



STELVIOKONTEK
engineering & manufacturing



KONN&go



CONNECTORS 2014

INNOVATION SUPPORTED BY A TRULY SOLID INDUSTRIAL ORGANIZATION.

Stelvio Kontek S.p.A. is one of the leading groups in the connectors market. With a solid background in the sector and having gained strength from the merger between Stelvio and Kontek Comatel in 2009, the group's ground-breaking production facilities and vertical organization result in high performance and innovation.

Technical experts operate in our in-house R&D department and at the production sites (Italy, Hungary, Romania) to transform sketches into reality.

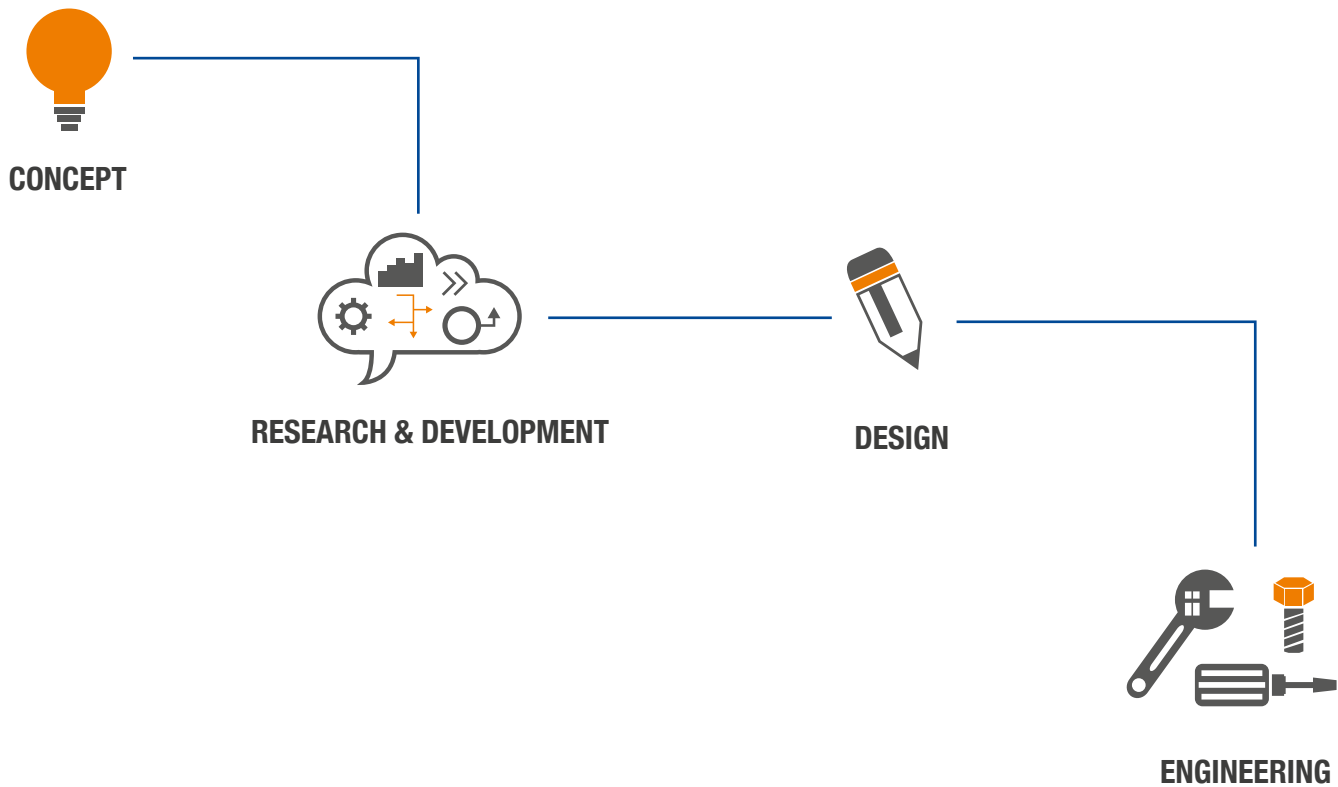
The company designs, engineers and manufactures standardized & customized solutions using dedicated equipment, relying on its hi-tech facilities powered up with in-house technology.

Our products are type-tested in our laboratory, approved by the main international institutes (UL, VDE, IMQ) and comply with latest European directives (RoHS, WEEE, PFOS, REACH), ensuring that our commitment towards environment is consistent.

Simultaneously, our engagement *vis-à-vis* great missions is formalized through our constant and renewed support to the United Nation Global Compact.

Everyday, the group is proud to serve customers all over the world through its skilled rep's network, with the support of its central technical and sales offices.

This fully verticalized organization is our master tool that enables us to square things right. *Allo stato dell'arte.*



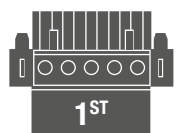
FULLY VERTICALIZED PRODUCTION.

Our structure is organised to satisfy even the most demanding customers needs from design to production and engineering.

We offer engineering, design and manufacturing of custom products with dedicated equipment, supported by a modern and fully verticalized structure and with all processes constantly under control. All of this thanks to unique in-house designed software's and hardware's. Stelvio Kontek follows the whole development process: from design to production, validation and commercialization.



► Scan the qr-code with your smartphone and discover the flow of Stelvio Kontek's products, from the idea to your hands.



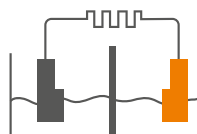
PROTOTYPING



PRODUCTION



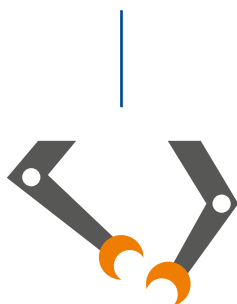
PLASTIC MOULDING



GALVANIC TREATMENT



STAMPING & CUTTING



ASSEMBLING



QUALITY CONTROL



MARKETING



LOGISTICS



CUSTOMER SERVICE



DELIVERY

BOARD TO BOARD CONNECTION PITCH 1.27 mm

MALE HEADER	PTH	straight	16-17
		right angle	18-19
		double base	20-21
	SMT	straight	22-23
		right angle	24
		double base	25-26
	PTH	polarized, straight	27
	SMT		28
SOCKET	SMT	polarized, straight	29
	PTH	straight	30-33
	SMT	straight	34-37

BOARD TO BOARD CONNECTION PITCH 2 mm

MALE HEADER	PTH	straight	40-41
		right angle	42-43
		double base	44-45
	SMT	straight	46-47
		right angle	48-49
		double base	50-51
SOCKET	PTH	straight	52-58
		right angle	59-61
	SMT	straight	62-70
		right angle	71-73
JUMPERS			74

BOARD TO BOARD CONNECTION PITCH 2.54 mm

MALE HEADER	PTH	straight	76-84
		right angle	85-94
		double base	95-96
	SMT	straight	97-98
		right angle	99-100
		double base	101-102
SOCKET	PTH	straight	103-114
		right angle	115
	SMT	straight	116-118
		right angle	119-120
JUMPERS			121-126

BOARD TO BOARD CONNECTION PITCH 3.96 mm

MALE HEADER	PTH	straight	128
		right angle	129
		double base	130
	SMT	straight	131
		double base	132
SOCKET	PTH	straight	133
	SMT	straight	134

BOARD TO BOARD CONNECTION PITCH 5.08 mm

MALE HEADER	PTH	straight	136-137
		right angle	138-139
		double base	140
	SMT	straight	141
		double base	142
SOCKET	PTH	straight	143-145
	SMT	straight	146-147

WIRE TO BOARD CONNECTION

2.5 mm pitch	crimp connector	crimp contact	150
		housing	151
		shrouded header	152
2.54 mm pitch	IDT	idt connector	153-154
	crimp connector	crimp contact	155
		housing	156-157
	Shrouded header	straight	158-159
		right angle	160-161
		SMT	162
3 mm pitch	crimp connector	female crimp contact	163
		housing	164-165
		male crimp contact	166
		housing	167-168
	Header	PTH	169-172
		SMT	173-174
4.20 mm pitch	crimp connector	female crimp contact	175
		housing	176-177
		male crimp contact	178
		housing	179-180
	Header	PTH	181-185
5 mm pitch	Header	PTH	186-187
5.08 mm pitch	crimp connector	crimp contact	188
		housing	189
		shrouded header	190
FAST-ON	Header	5.08 mm pitch	191
		7.62 mm pitch	192
		10.16 mm pitch	193
		12.7 mm pitch	194
		15.24 mm pitch	195

FFC CONNECTION

ZIF	ZIF 0.5 mm	side entry	198-203
		vertical entry	204-205
	ZIF 1 mm	side entry	206-207
		vertical entry	208
FFC	0.5 and 1 mm	cable	209

I/O

USB	A type	side entry receptacle	212-214
		vertical entry receptacle	215
		SMT side entry receptacle	216
	B type	side entry	217
		SMT side entry	218
	Mini USB	side entry	219
		SMT side entry	220-221
RJ MODULAR JACK	8 position	side entry	222
		side entry shielded with led	223-226

TURNED CONNECTORS AND TERMINALS

TERMINAL STRIP	straight	Male test strip	228-229
		“U” pins strip	230-232
		female test strip	233-234
TEST TERMINAL	fork	loose terminal	235-247
	male	loose terminal	248-253
	minifaston	loose terminal	254
	female	loose terminal	255-260
JUMPERS		loose terminal	261-265

TOOLING

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BOARD TO BOARD CONNECTION

PITCH 1.27x1.27 mm

Note:

PLATING standard version

Gold 0.25 μ m
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT

INTERKON

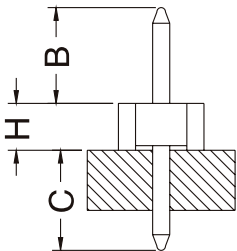
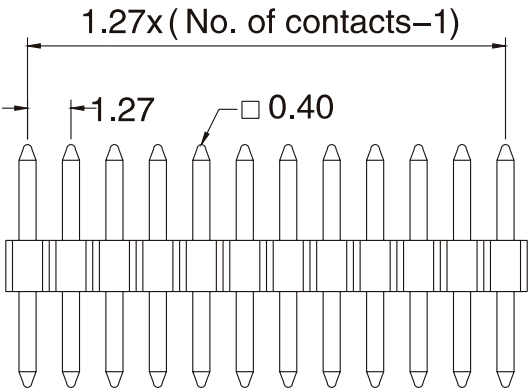
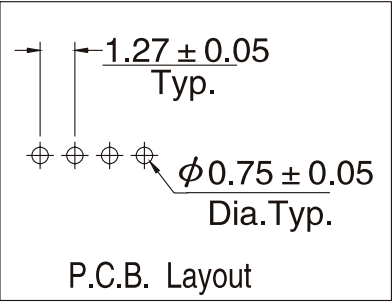
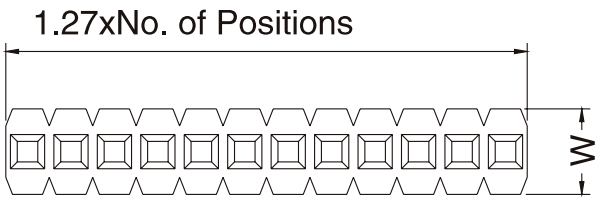


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
471	831x	5xx	2x0

	B	C	H
8316	3.05	2.29	1.5
8317	3.05	2.29	2.5

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 7 Selective gold flash



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 1.27x1.27 mm

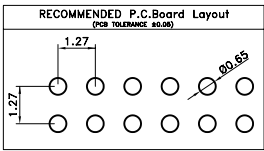
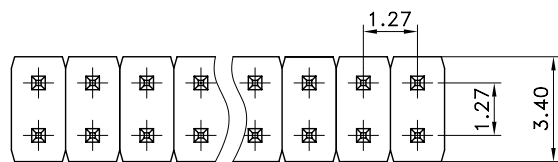
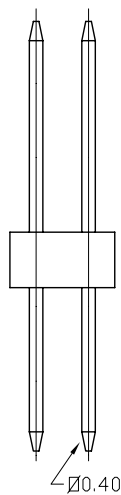
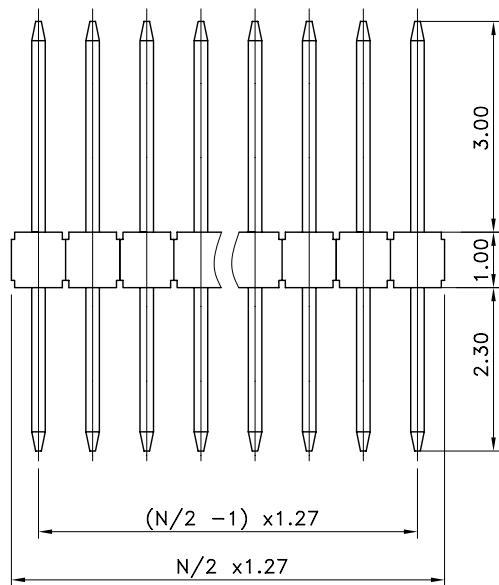
MODUKON



Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
473	9703	5	xx	4x0

D	Number of contacts from 06 to 100 (for 100 sign 00)
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 6 Selective gold flash 7 Selective gold



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MALE HEADER
MALE HEADER RIGHT ANGLE

INTERKON

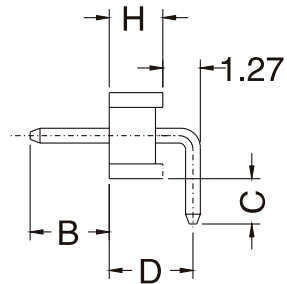
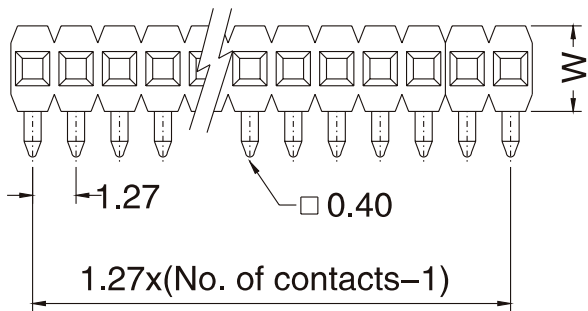
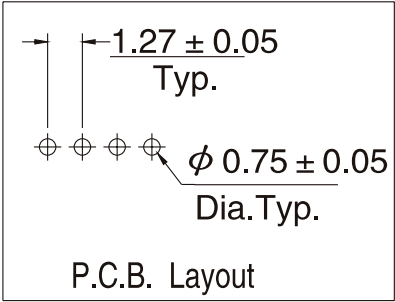
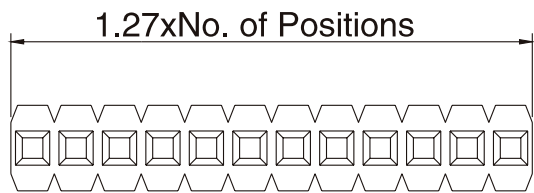


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
472	831x	5xx	2x0x

	B	C	D	H
8314	3.05	2.29	1.5	1.5
8315	3.05	2.29	1.5	2.5

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



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MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 1.27x1.27 mm

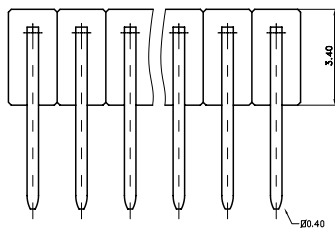
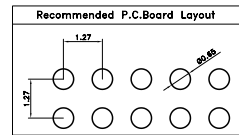
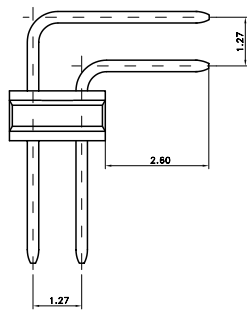
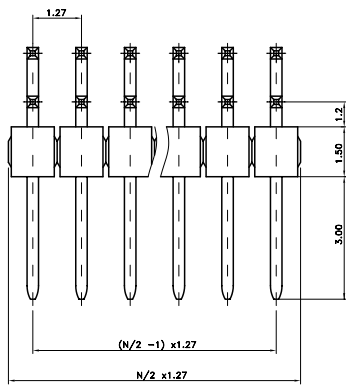
MODUKON



Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
474	9704	5	xx	4x0

D	Number of contacts from 06 to 100 (for 100 sign 00)
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 7 Selective gold 6 Selective gold flash



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MALE HEADER
MALE HEADER DOUBLE BASE

INTERKON

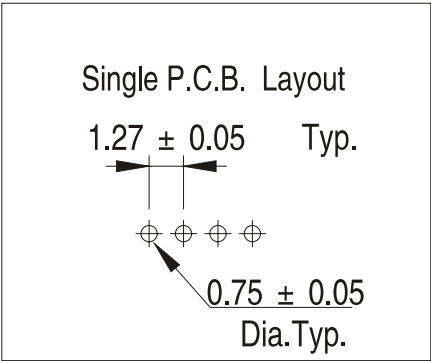
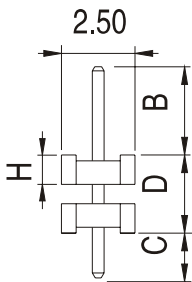
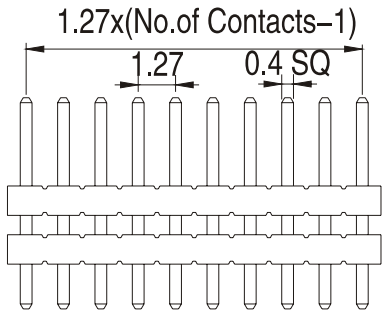
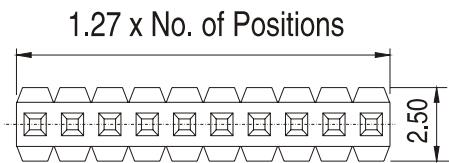


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
380	831x	5xx	2x0

	B	C	D
8318	3.0	2.85	6.0
8319	3.0	2.85	4.0

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



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MALE HEADER
MALE HEADER DOUBLE BASE 1.27x1.27 mm

INTERKON

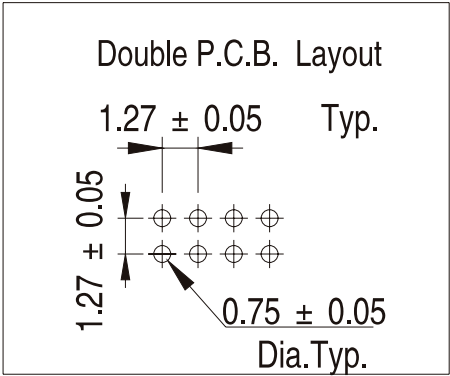
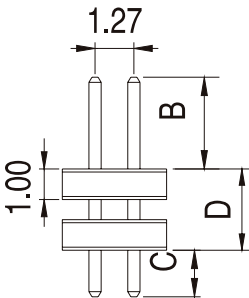
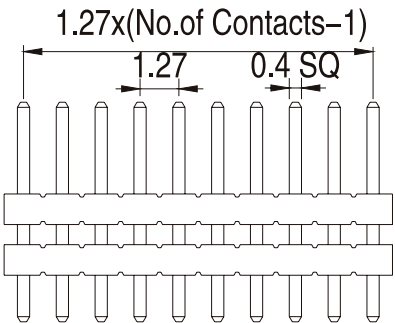
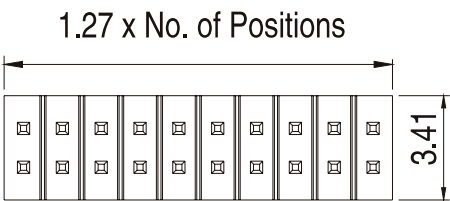


Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
380	832x	5xx	2x0

	B	C	D
8327	3.0	2.85	6.0
8328	3.0	2.85	4.0

B	Standard connectors: view table
C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



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MALE HEADER
MALE HEADER STRAIGHT SMT

INTERKON SMT

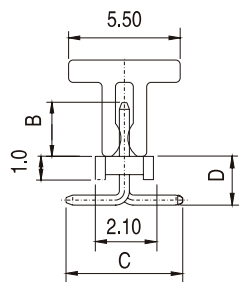
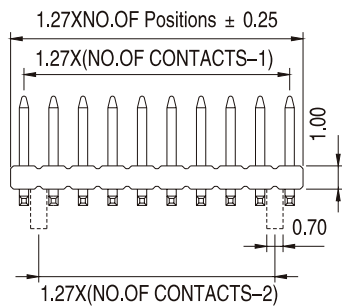
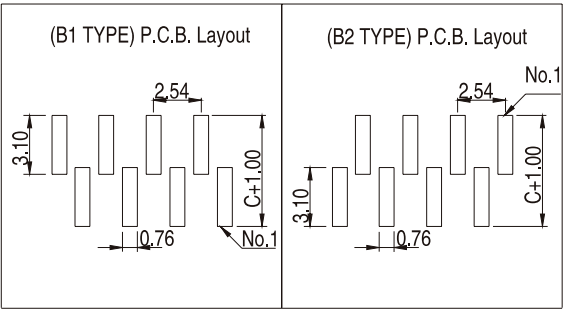
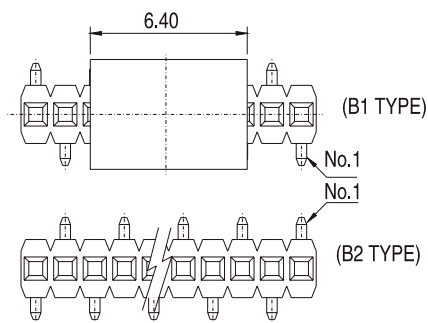


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
671	832x	5xx	2x	x	- x

	B	C	D
8320	3.0	5.5	1.7
8321	6.0	6.5	2.7

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the first pin (see below 1 or 2)
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER DOUBLE ROW SMT 1.27x1.27 mm

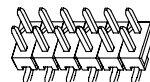
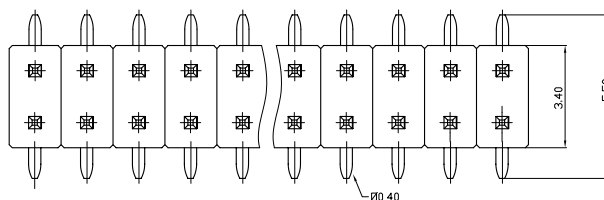
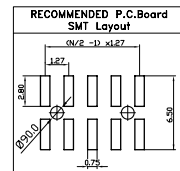
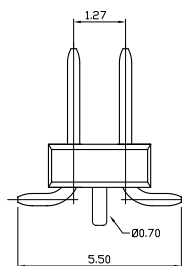
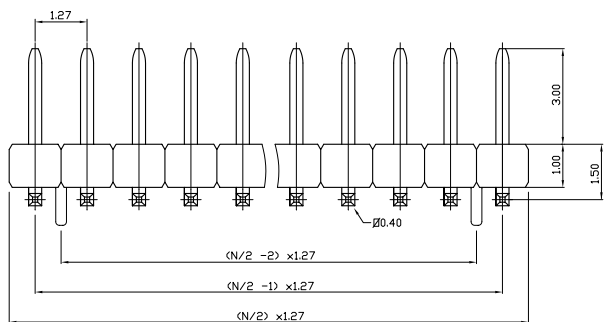
INTERKON SMT



Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
673	9702	5	xx	4x0	-x

D	Number of contacts from 10 to 100 (for 100 sign 00)
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 6 Selective gold flash 7 Selective gold
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER, RIGHT ANGLE, SMT 1.27x1.27 mm

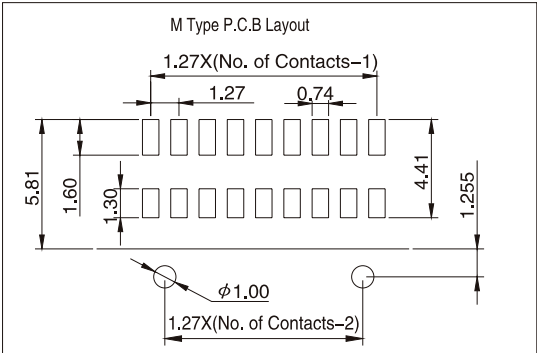
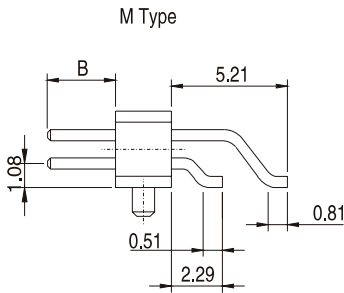
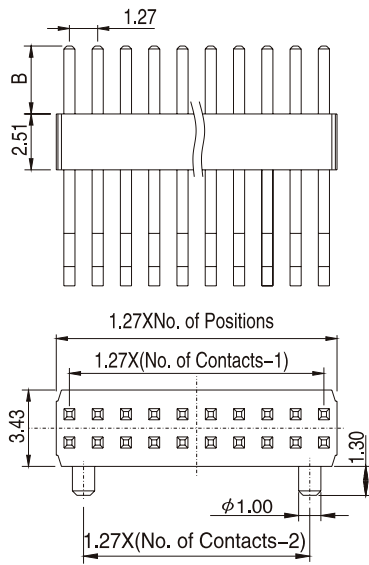
INTERKON SMT



Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
673	832x	5xx	2x	x	- x

B	Dimension B 4: B= 3.05mm 5: B= 3.81mm
C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	PLocating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER DOUBLE BASE SMT

INTERKON SMT

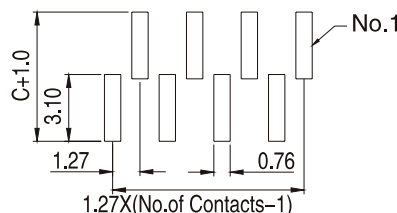
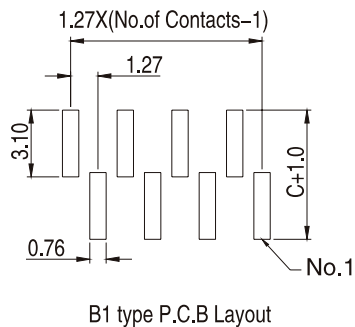
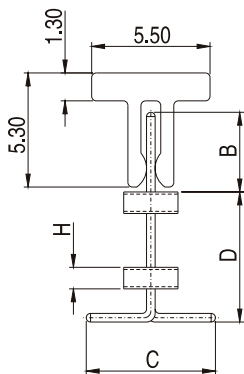
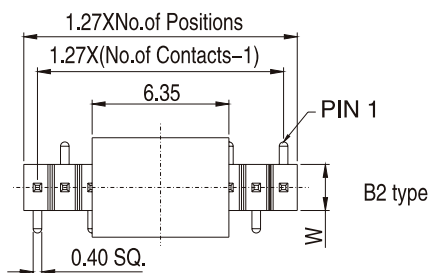
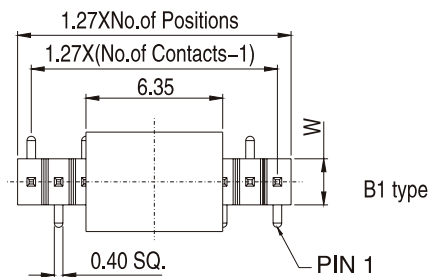


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
670	832x	5xx	2x	x	- x

	B	C	D
8322	3.00	5.00	6.35
8323	5.00	5.00	5.00

B	Standard connectors: view table
C	Number of contacts from 02 to 50
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the first pin (see below 1 or 2)
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER DOUBLE BASE SMT 1.27X1.27 mm

INTERKON SMT

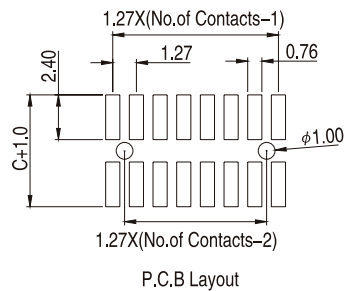
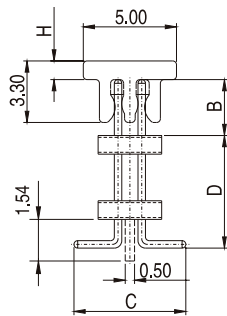
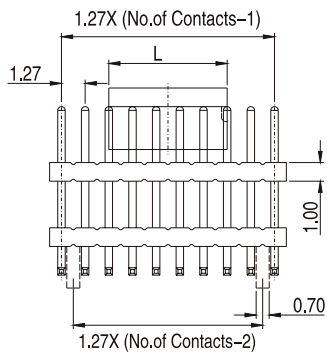
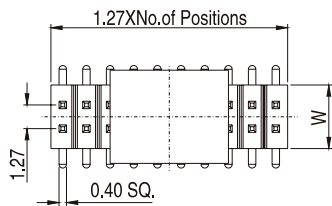


Features	Breakable header 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
380	8xxx	5xx	2x	x	- x

	B	C	D
8329	3.0	5.0	6.0
8330	3.0	5.0	5.0

B	Please see table
C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER POLARIZED 1.27x1.27 mm

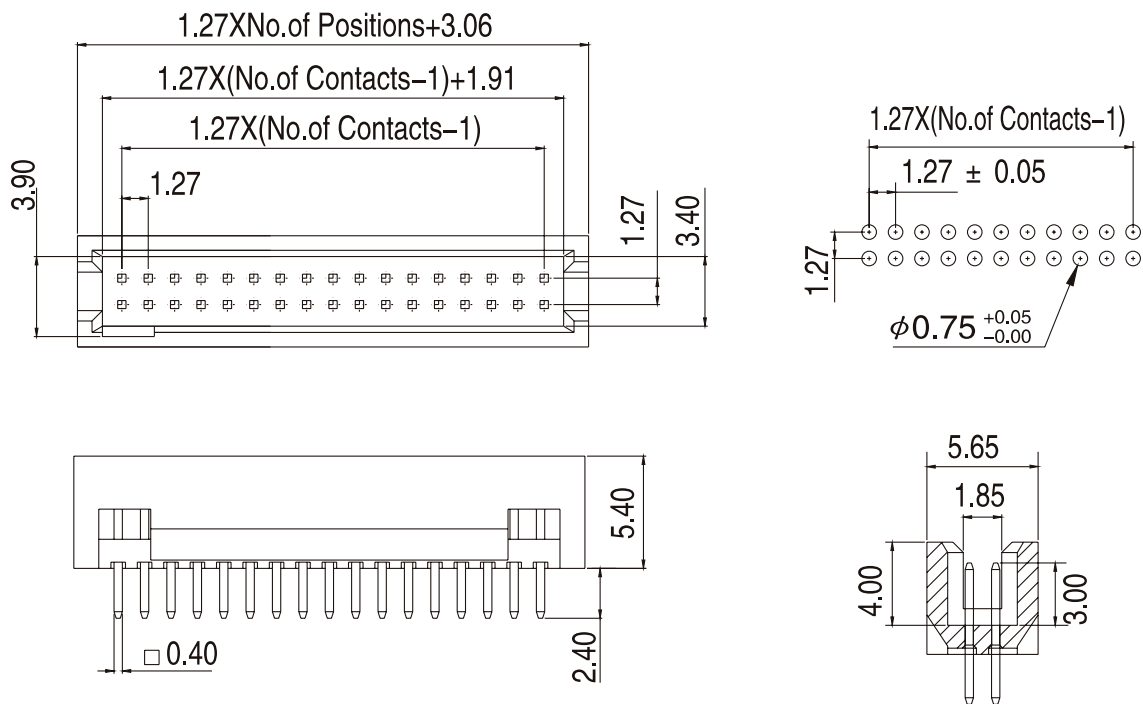
INTERKON



Features	Polarized male header PTH 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube

Product Code			
A	B	C	D
473	8254	5xx	2x0

B	Number of contacts from 06 to 100 (for 100 mark 00)
C	Plating 1 Gold flash 4 Tin 7 Selective gold flash



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MALE HEADER
MALE HEADER POLARIZED 1.27x1.27 mm

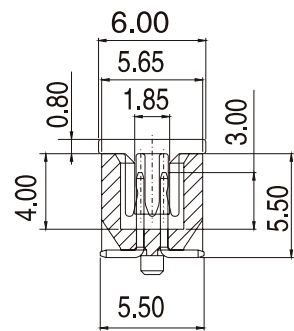
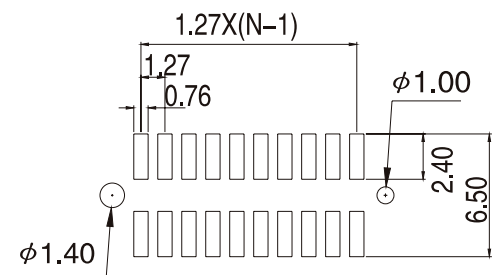
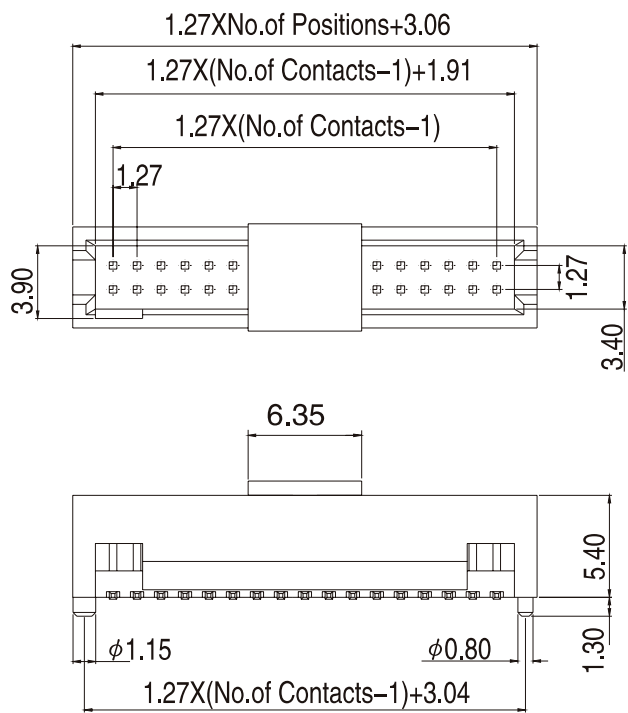
INTERKON SMT



Features	Polarized male header SMT 1.27x1.27 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
673	8255	5xx	2x	x	- x

C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap

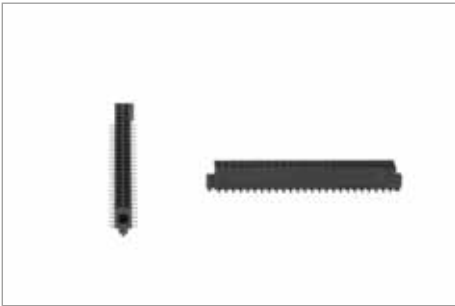


“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET

SOCKET CONNECTOR POLARIZED DOUBLE ROW SMT 1.27x1.27 mm

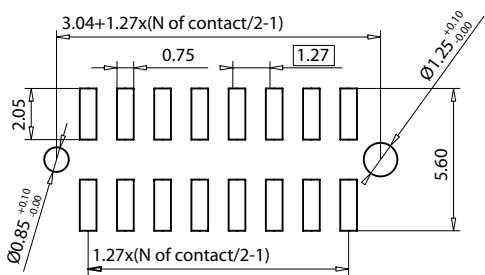
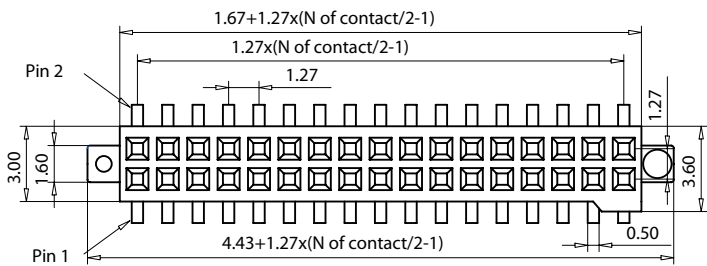
MODUKON SMT



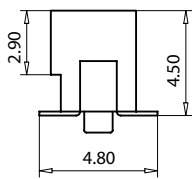
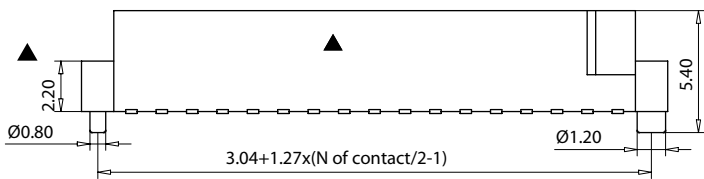
Features	Polarized socket connector 1.27x1.27 mm Body height 4.5 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8013	5xx	4x	x	- x

C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



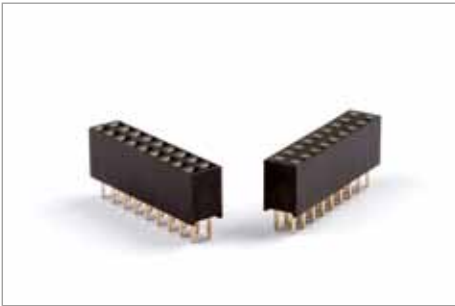
Recommended PCB Layout
(PCB TOLERANCE ±0.05)



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR STRAIGHT 1.27x1.27 mm

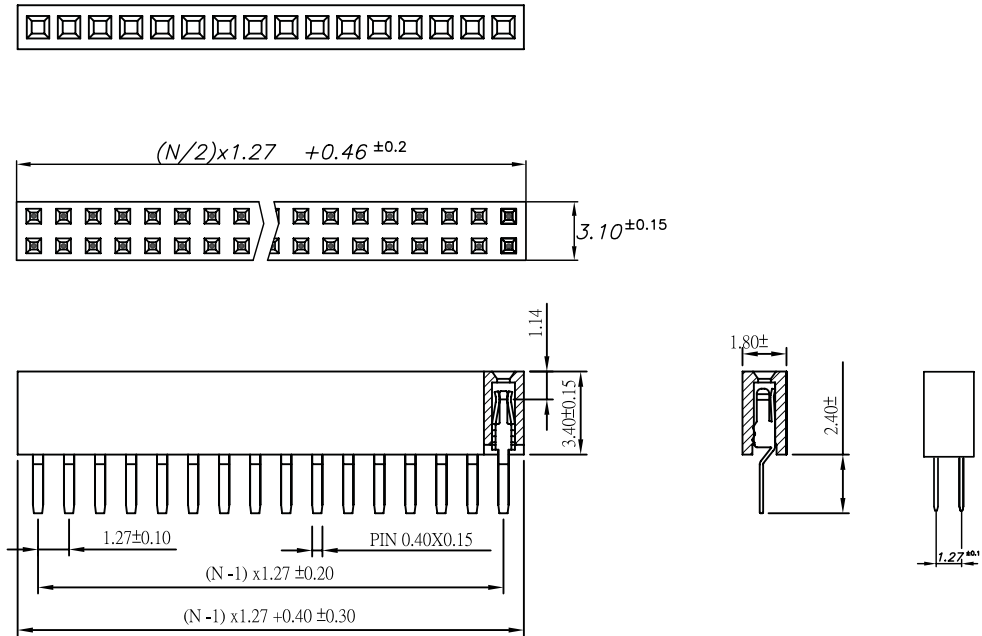
MODUKON



Features	Socket 1.27x1.27 mm Body height 3.4 mm
Material	Insulator: High temperature thermoplastic UL94VO Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	xxxx	5xx	4x0

B	Number of row 9831 Single row 9705 Double row
C	Number of contacts from 03 to 36 for single row from 06 to 100 for double row
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 6 Selective gold flash



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW

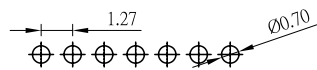
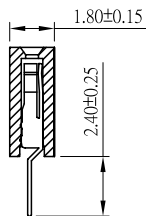
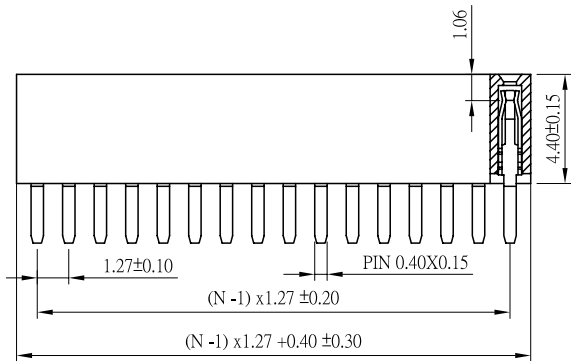
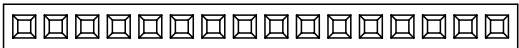
MODUKON



Features	Profile 4.3 mm height
Material	Insulator: Nylon 6T Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	9832	5xx	4x0

C	Number of contacts from 03 to 36
D	Plating
	0 Gold 0.25 μm
	1 Gold flash
	4 Tin
	6 Selective gold flash



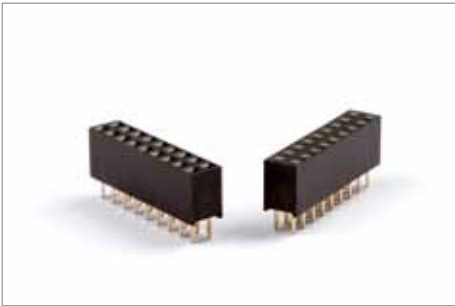
Recommended PCB Layout
(PCB TOLERANCE ±0.05)

“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET

SOCKET CONNECTOR STRAIGHT DOUBLE ROW 1.27x1.27 mm

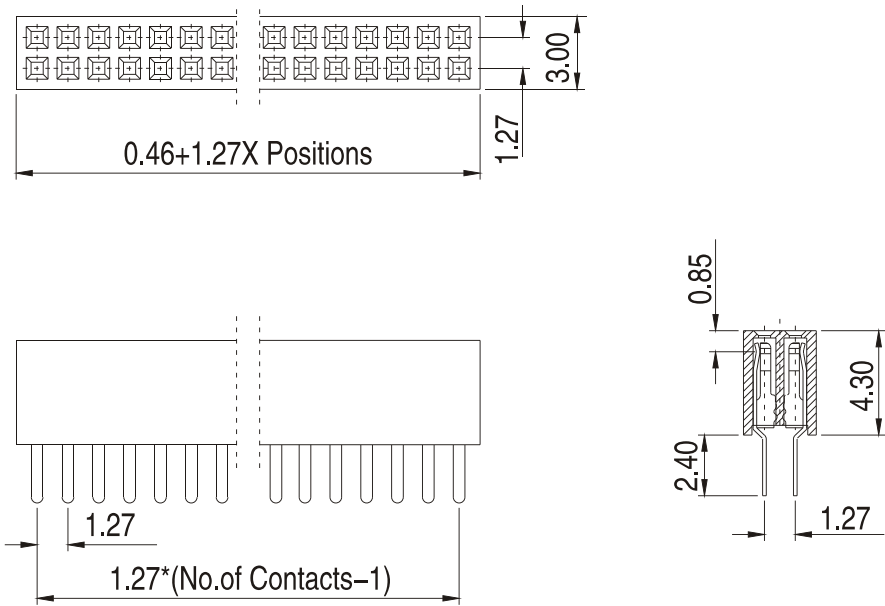
MODUKON



Features	Socket 1.27x1.27 mm Body Height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube

Product Code			
A	B	C	D
477	8311	5xx	4x0

C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



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SOCKET
 SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW 1.27x1.27 mm

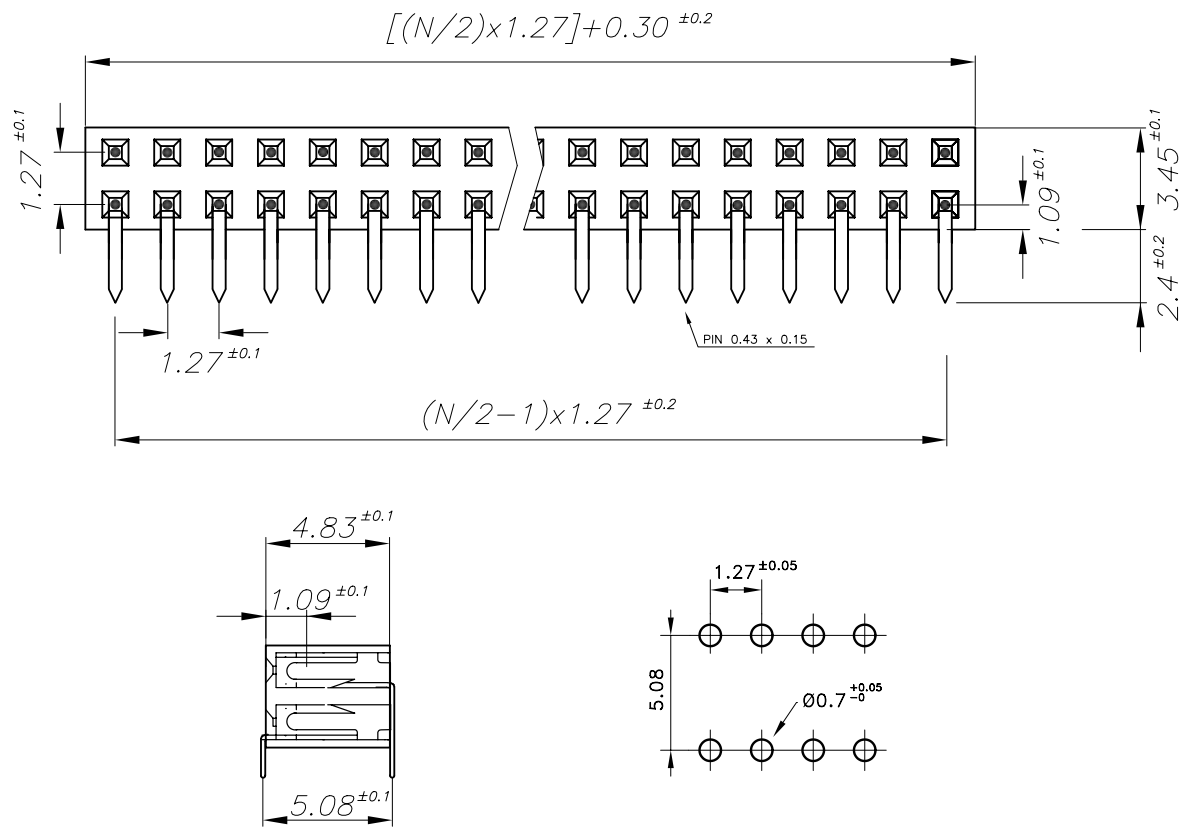
MODUKON



Features	Socket 1.27x1.27 mm Body height 3.45 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
477	9741	5	xx	4x0

D	Number of contacts from 10 to 50
E	Plating 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash

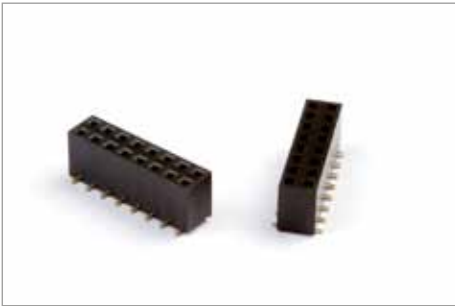


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SOCKET

SOCKET CONNECTOR STRAIGHT DOUBLE ROW 1.27x1.27 mm

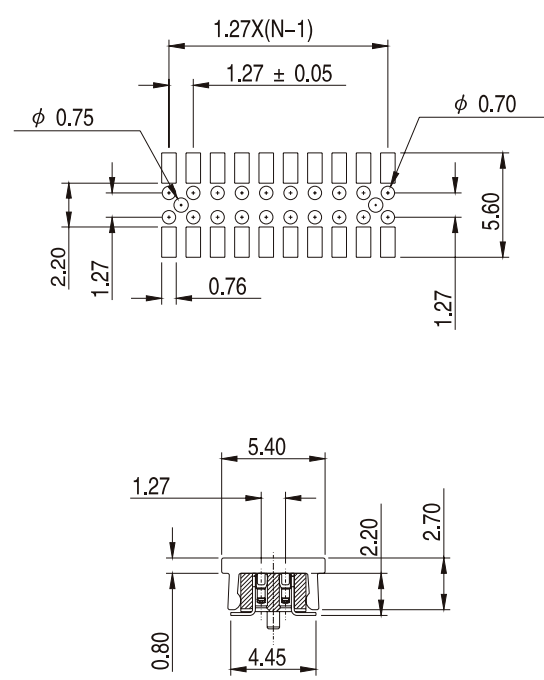
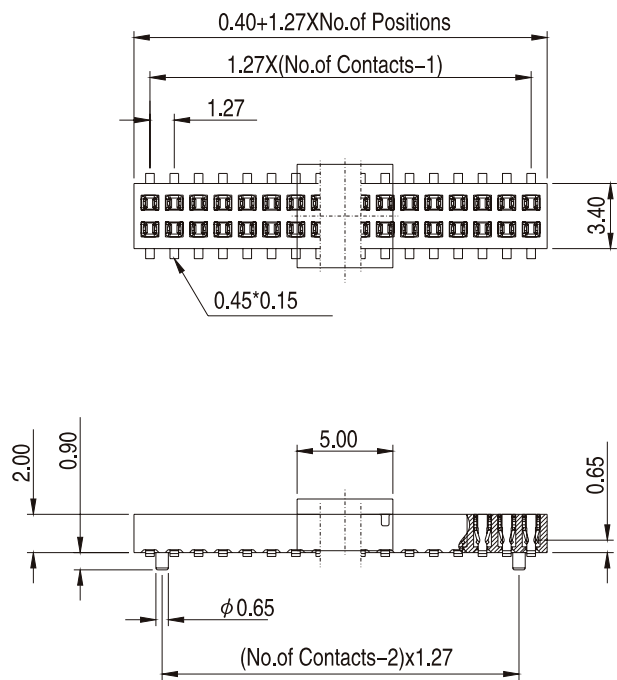
MODUKON SMT



Features	Pass trough socket 1.27x1.27 mm Body height 2.2 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8012	5xx	4x	x	- x

C	Number of contacts from 06 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT

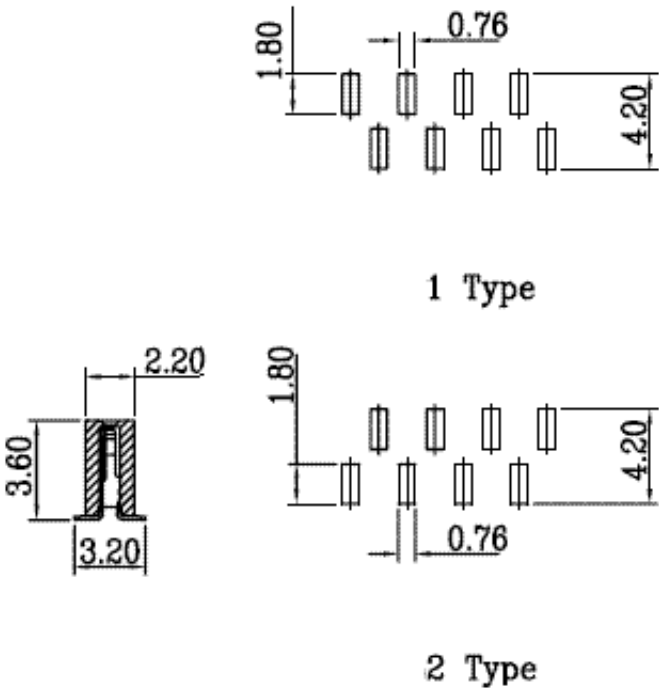
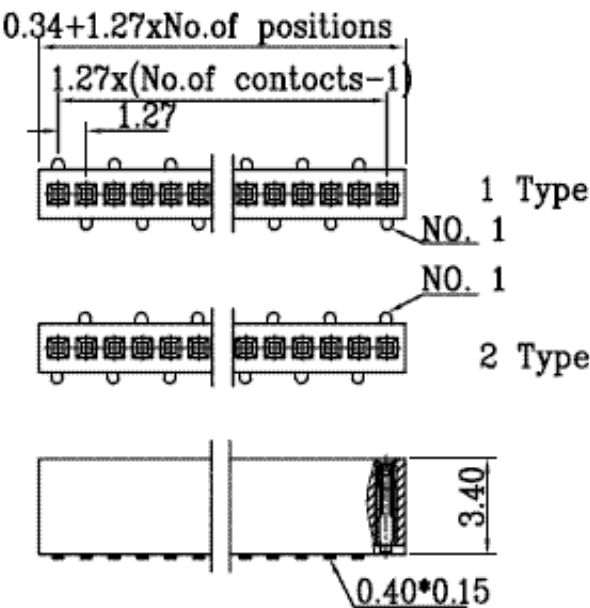
MODUKON SMT



Features	Socket Body height 3.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	E
677	8310	5xx	4x	x	- x

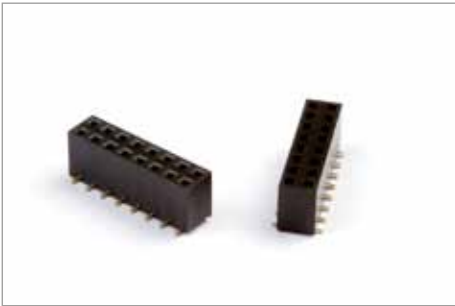
C	Number of contacts from 06 to 36
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the first pin See below 1 or 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 1.27x1.27 mm

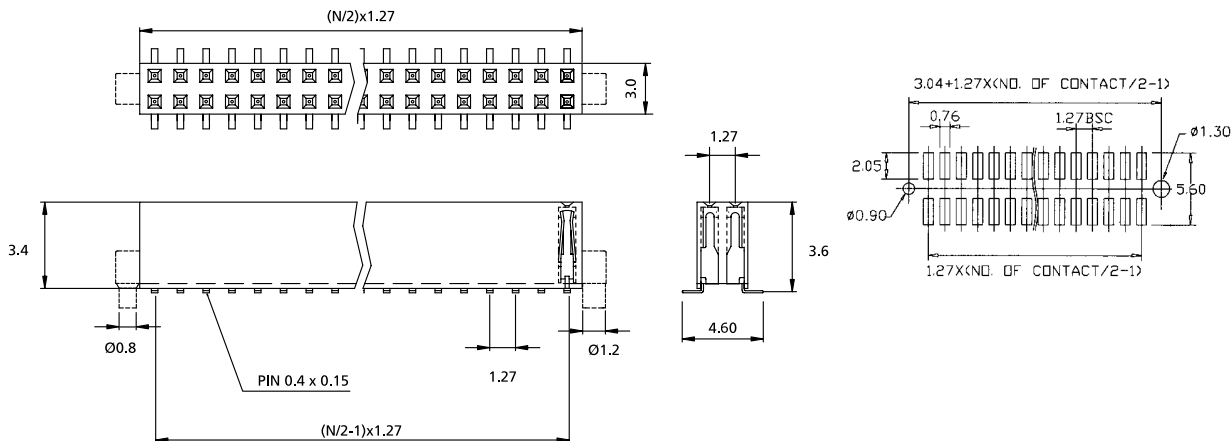
MODUKON SMT



Features	Socket 1.27x1.27 mm Body height 3.4 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Carton box, Tube or T&R

Product Code						
A	B	C	D	E	F	G
677	9707	5	xx	4x	x	- x

D	Number of contacts from 06 to 100
E	Plating 1 Gold flash 4 Tin 7 Selective gold 6 selective gold flash
F	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap

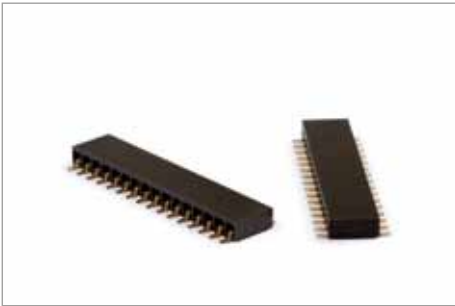


“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET

SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW SMT 1.27x1.27 mm

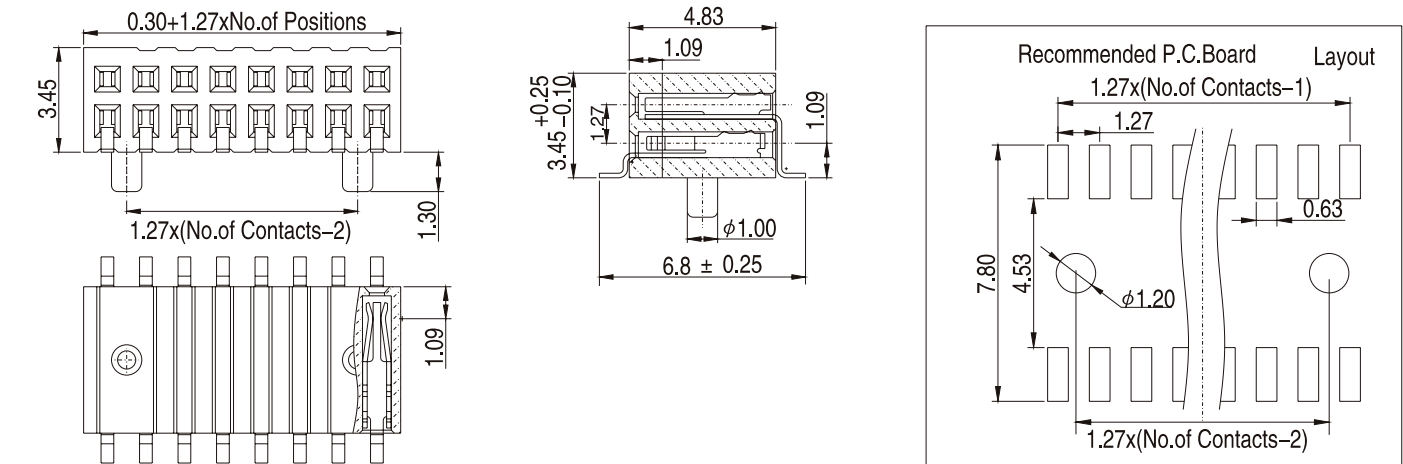
MODUKON SMT



Features	Socket 1.27x1.27mm Body height 3.45 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8279	5xx	4x	x	- x

C	Number of contacts from 06 to 100 (for 100 mark 00)
D	Plating 1 Gold flash 4 Tin 7 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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BOARD TO BOARD CONNECTION

PITCH 2 mm

Note:

PLATING standard version

Gold 0.25 μm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT 2 mm

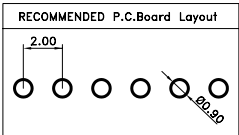
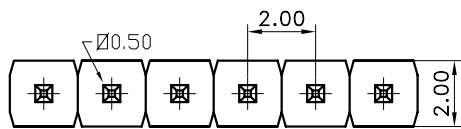
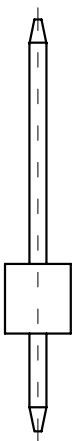
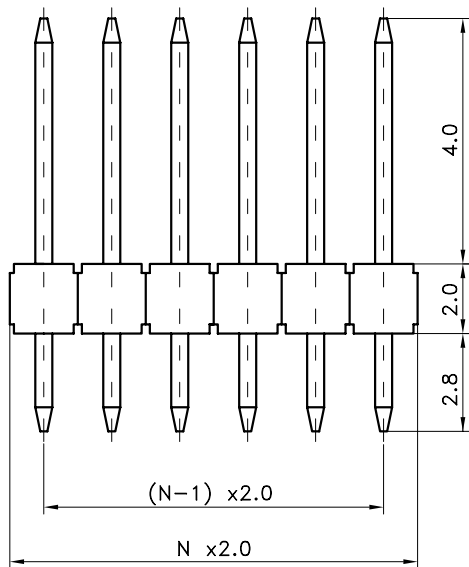
MODUKON



Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
471	9709	6xx	4x0

C	Number of contacts from 02 to 40
D	Plating 1 Gold flash 0 Gold 0.25 µm 4 Tin 7 Selective gold 6 Selective gold flash



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2 mm

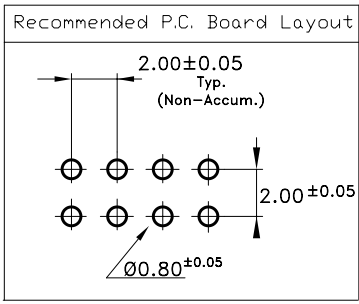
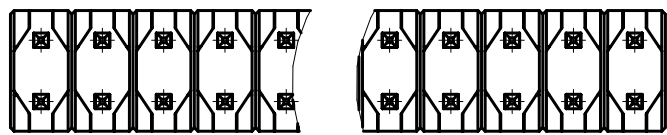
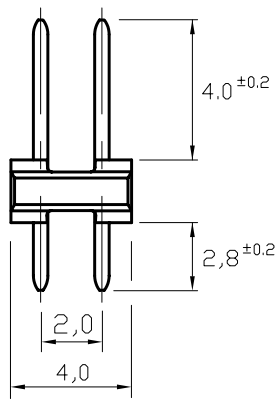
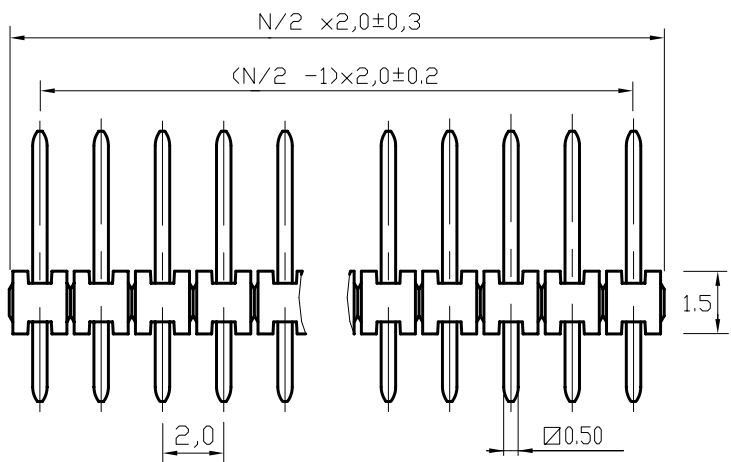
INTERKON



Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
473	9711	6	xx	4x0

D	Number of contacts from 04 to 80
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 7 Selective gold 6 Selective gold flash



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MALE HEADER
MALE HEADER RIGHT ANGLE 2 mm

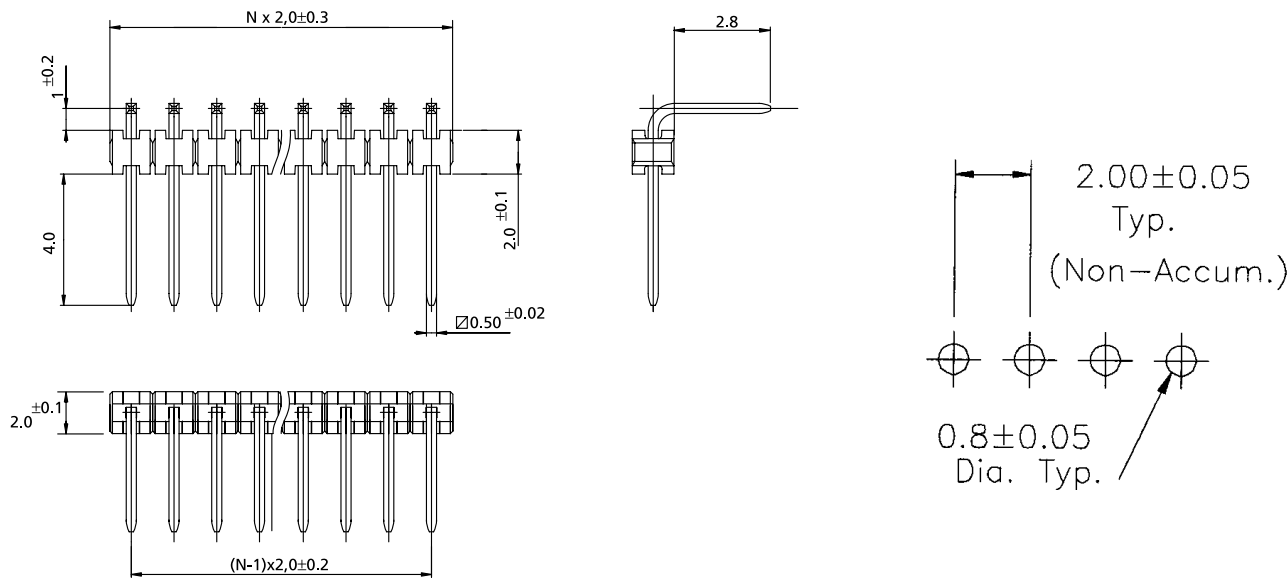
INTERKON



Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Brass
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
472	9708	6	xx	4x0

D	Number of contacts from 02 to 40
E	Plating 1 Gold flash 4 Tin 6 Selective gold flash



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2 mm

INTERKON

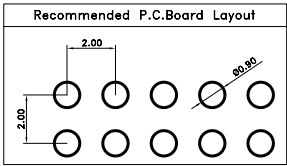
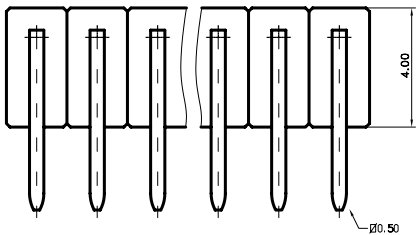
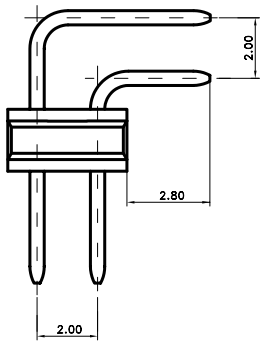
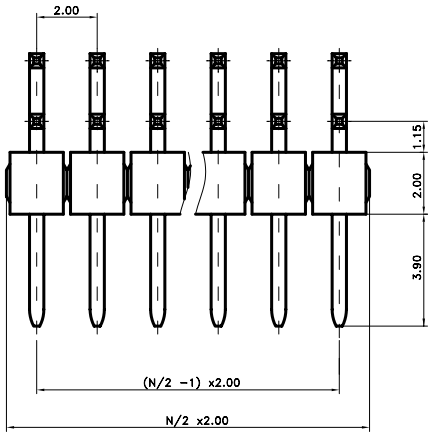


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code

A	B	C	D	E
474	9710	6	xx	4xØ

D	Number of contacts from 04 to 80
E	Plating 1 Gold flash 4 Tin 0 Gold 0.25 µm 7 Selective gold 6 Selective gold flash



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MALE HEADER
MALE HEADER DOUBLE BASE 2 mm

INTERKON

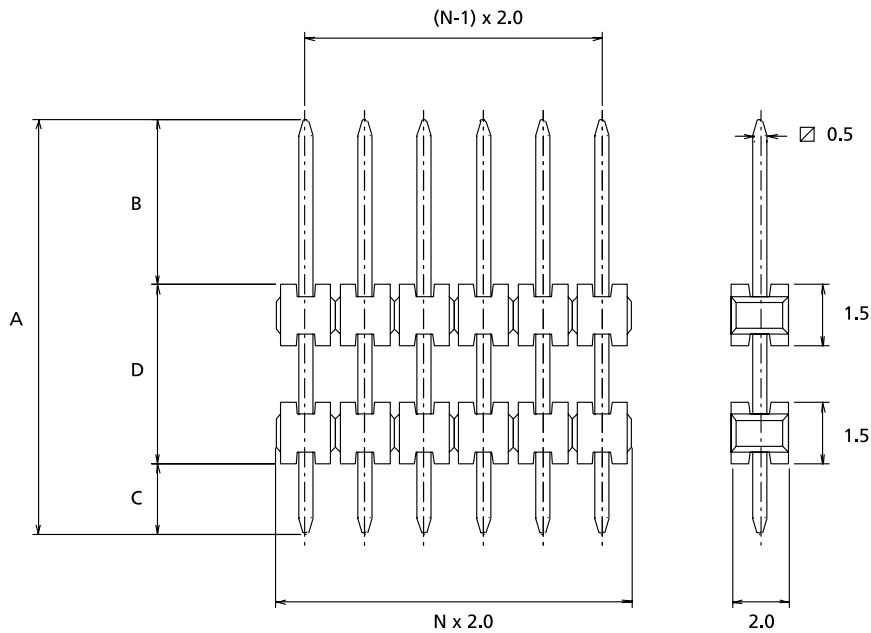


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
380	98xx	6xx	4x0

	A	B	C	D
9813	10.50	4.90	2.30	3.30
9814	14.50	2.50	4.00	8.00
9815	16.85	2.40	2.45	12.00
9816	20.50	4.00	2.50	14.00

B	See table
D	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash



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MALE HEADER
MALE HEADER DOUBLE BASE 2 mm

INTERKON

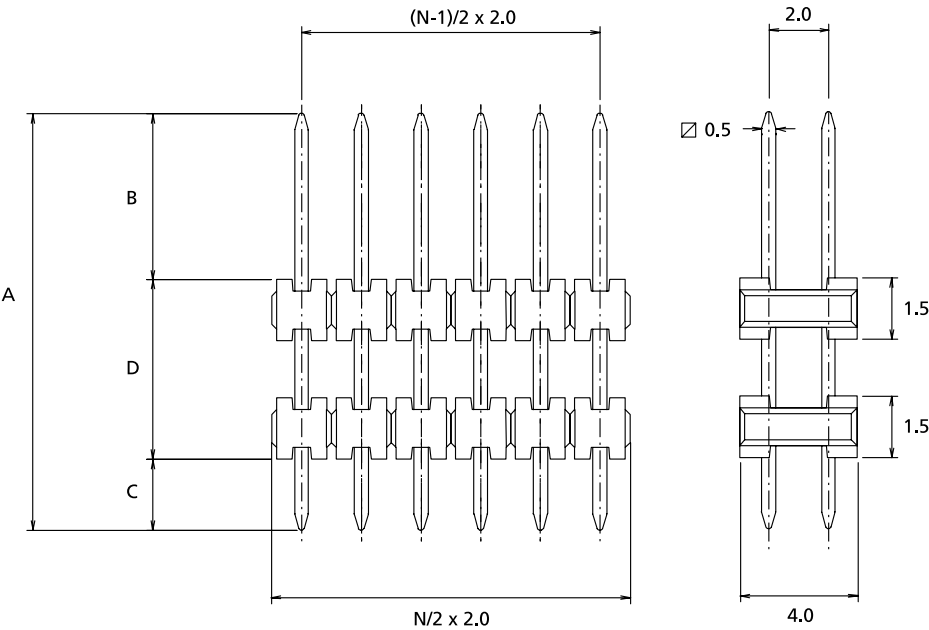


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
380	9xxx	6xx	4x0

	A	B	C	D
9817	10.50	4.90	2.30	3.30
9818	14.50	2.50	4.00	8.00
9819	16.85	2.40	2.45	12.00
9820	20.50	4.00	2.50	14.00

B	See table
C	Number of contacts from 04 to 80
D	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER STRAIGHT SMT 2 mm

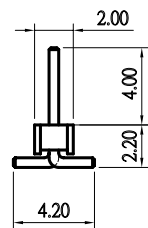
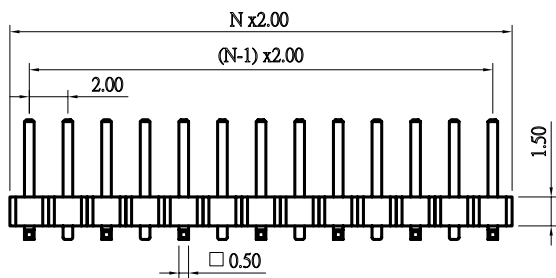
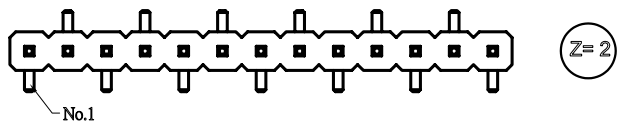
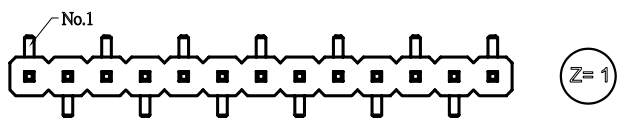
INTERKON SMT



Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code						
A	B	C	D	E	F	G
671	9806	6	xx	4x	x	-x

D	Number of contacts from 02 to 40
E	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash
F	Locating peg and position of the first pin (see drawing below)
G	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER DOUBLE ROW SMT 2 mm

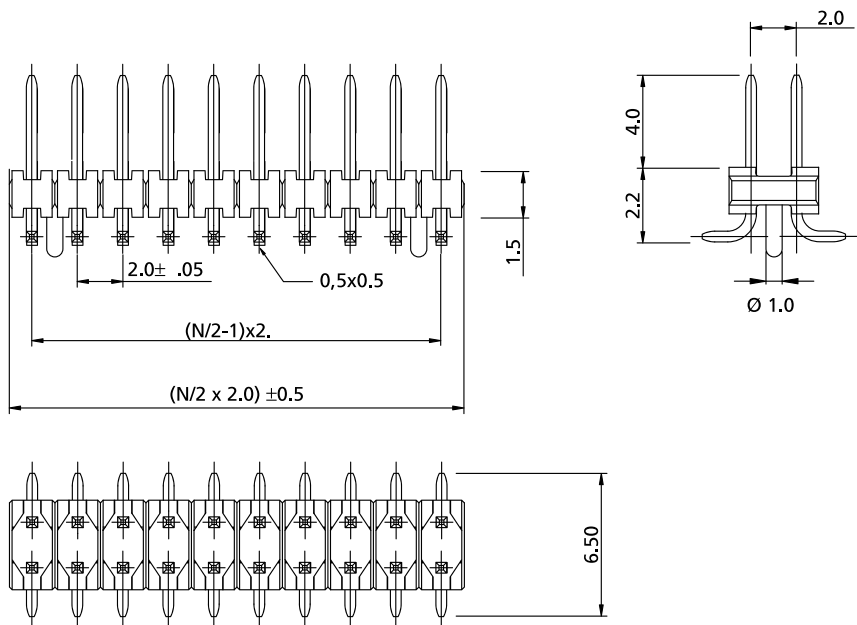
INTERKON SMT



Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code						
A	B	C	D	E	F	G
673	9769	6	xx	4x	x	-x

D	Number of contacts from 06 to 50
E	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash
F	Locating peg 0 without 1 with
G	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER RIGHT ANGLE SMT 2 mm

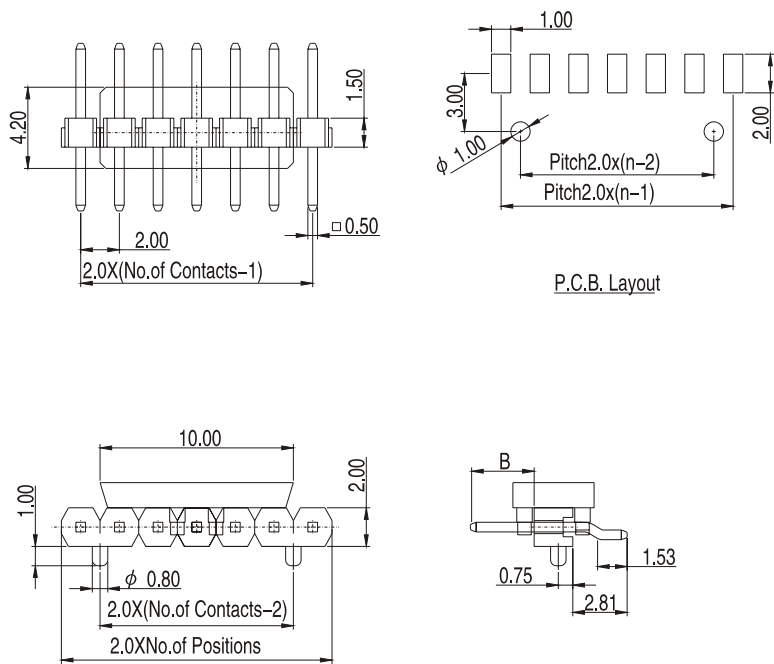
INTERKON SMT



Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
671	8280	6xx	2x	x	-x

B	B= 4.45 mm
C	Number of contacts from 04 to 36
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER RIGHT ANGLE SMT 2 mm

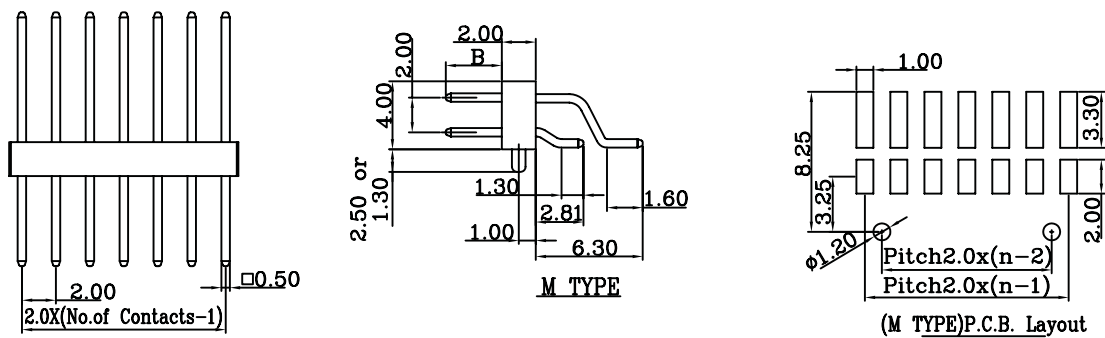
INTERKON SMT



Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
673	8334	6xx	2x	x	-x

B	B = 4 mm
C	Number of contacts from 06 to 72
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER DOUBLE BASE SMT 2 mm

INTERKON SMT

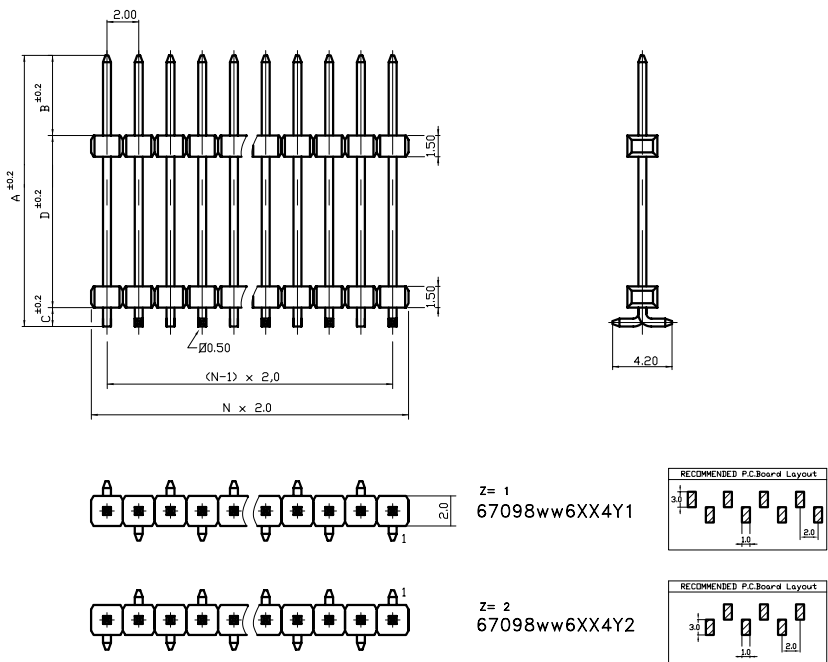


Features	Dual insulated headers, single row pitch 2.0 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
670	982x	6xx	4x	x	-x

	A	B	C	D
9822	8.6	4.0	0.7	3.9
9823	10.0	3.9	0.7	5.4
9824	11.8	3.4	0.7	7.7

B	See table
C	Number of contact from 02 to 40
D	Plating 0 Gold 1 Gold flash 4 Tin
E	Position of the first pin
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER DOUBLE BASE SMT 2 mm

INTERKON SMT

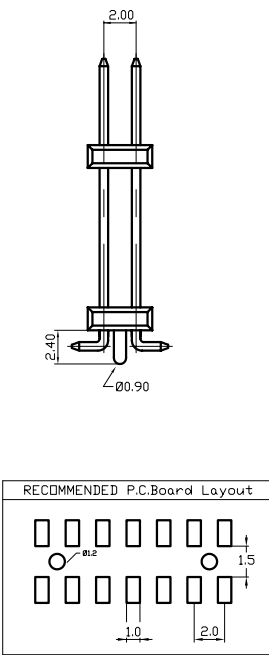
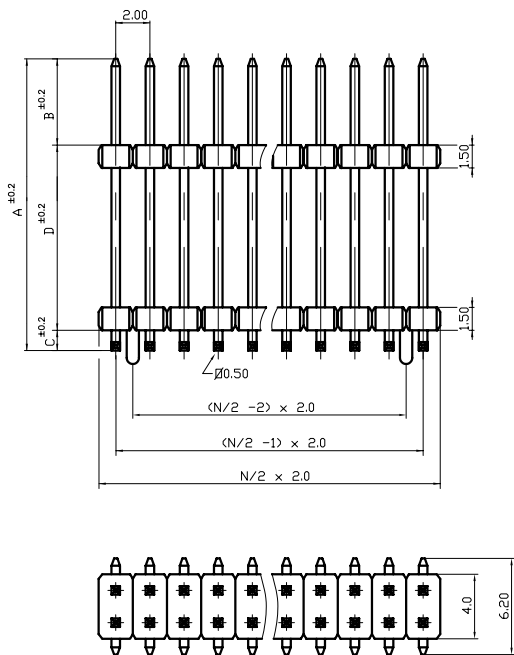


Features	Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code						
A	B	C	D	E	F	G
670	98xx	6	xx	4x	x	-x

	A	B	C	D
9825	8.6	4.0	0.7	3.9
9826	10.0	3.9	0.7	5.4
9827	11.8	3.4	0.7	7.7

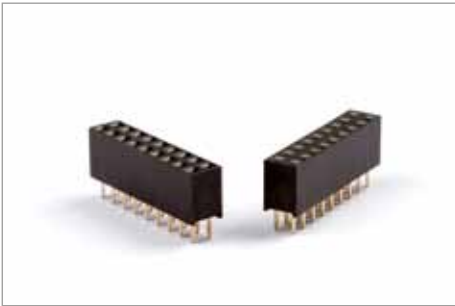
B	See table
D	Number of contact from 04 to 80
E	Plating 0 Gold 1 Gold flash 4 Tin 6 Selective gold flash
F	Locating peg 0 without 1 with
G	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

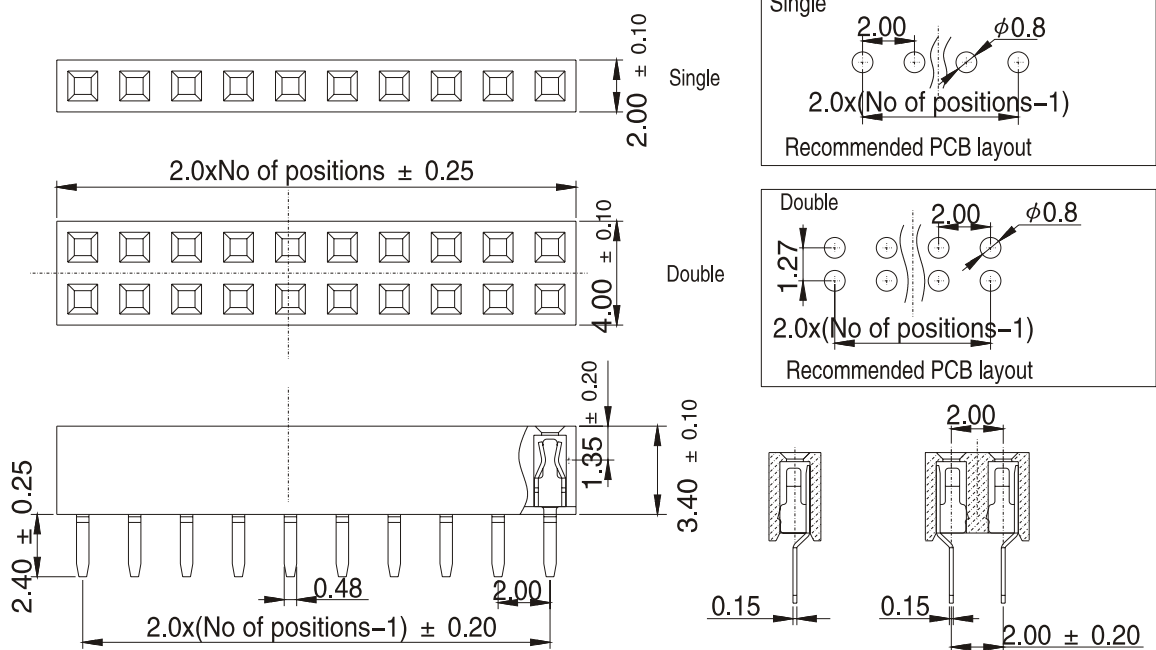
MODUKON



Features	Body height 3.4 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	828x	6xx	4x0

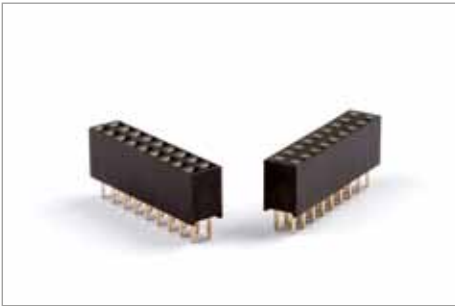
B	Number of row 6: Single row 7: Double row
C	Number of contacts: Single row from 03 to 40 Double row from 06 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
 SOCKET CONNECTOR STRAIGHT 2 mm

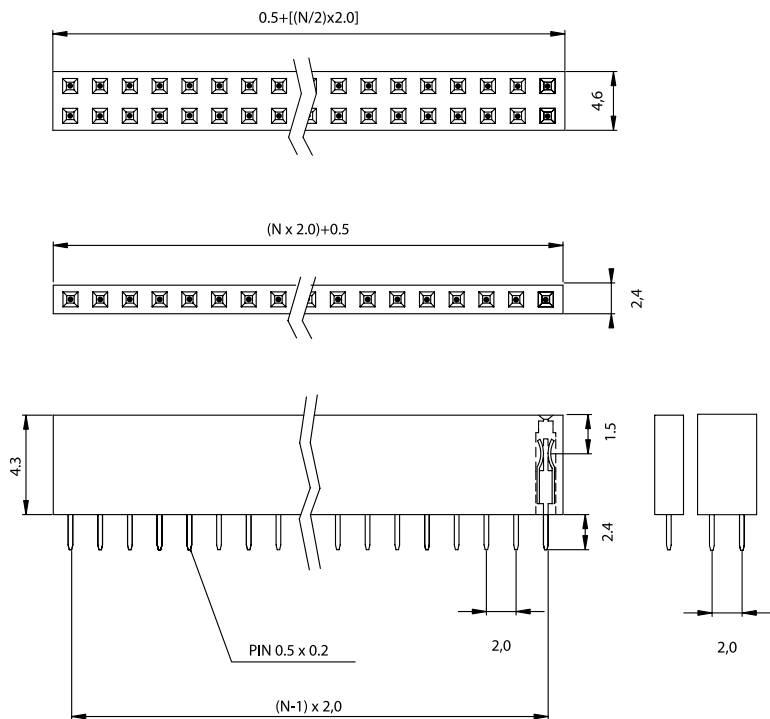
MODUKON



Features	Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
477	973x	6	xx	4x0

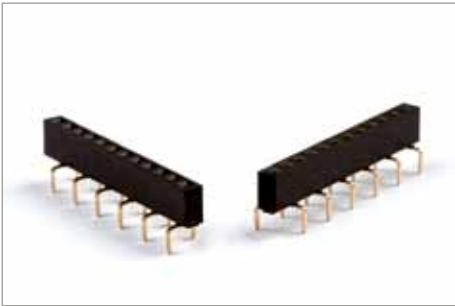
B	Number of row 3 Single Row 2 Double row
C	Number of contacts from 04 to 40 single row from 06 to 80 double row
D	Plating 1 Gold flash 4 Tin 7 Selective gold 0 Gold 0.25 µm 6 Selective gold flash



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 2 mm

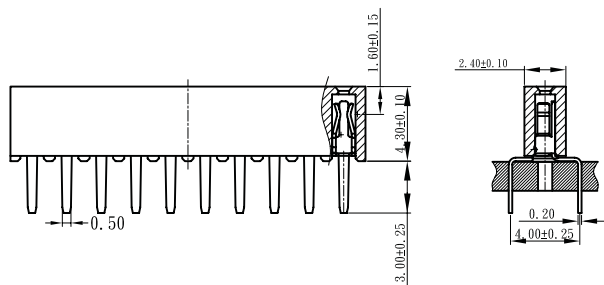
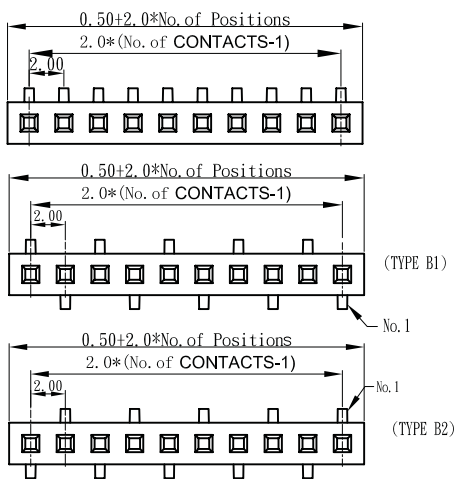
MODUKON



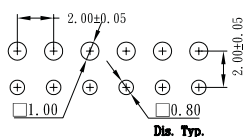
Features	Dual entry socket Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
477	8294	6xx	4x	x

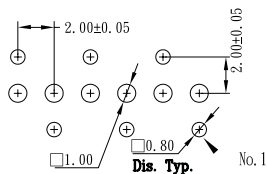
C	Number of contacts from 03 to 40
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the first pin See below 1 or 2 0: same side pins



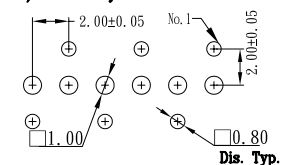
(One side)P.B.C. Layout



(TYPE B1)P.B.C. Layout



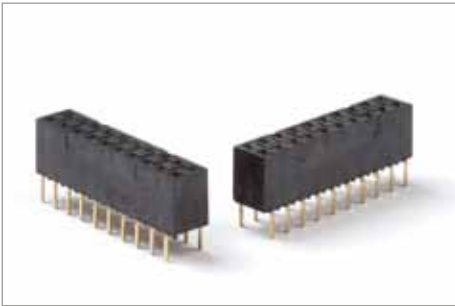
(TYPE B2) P.B.C. Layout



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
 SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2 mm

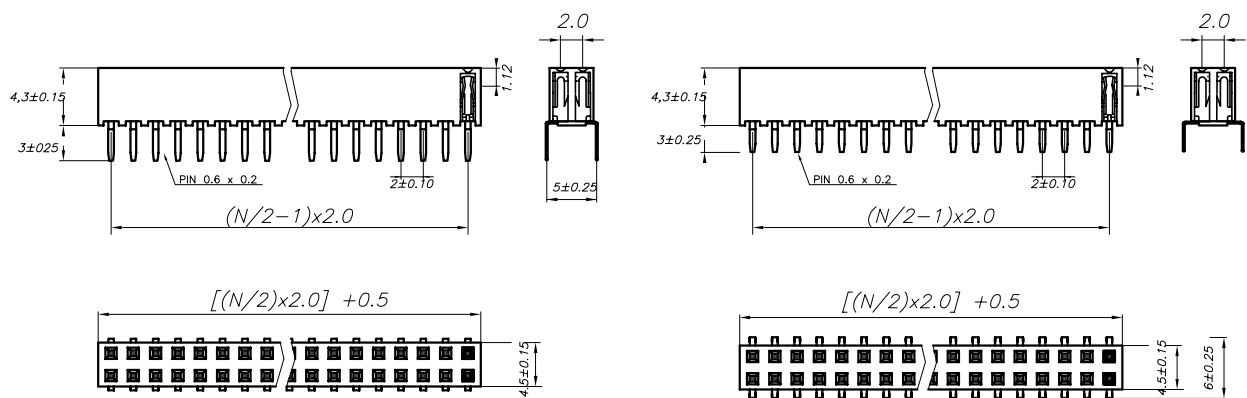
MODUKON



Features	Dual entry socket Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
477	9736	6xx	4x	x

C	Number of contacts from 06 to 80
D	Plating 1 Gold flash 4 Tin 7 Selective gold 0 Gold 0.25 µm 6 Selective gold flash
E	Distance between rows 1 5.0 mm 2 6.0 mm



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SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

MODUKON

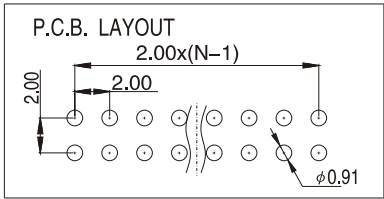
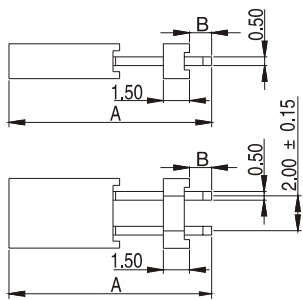
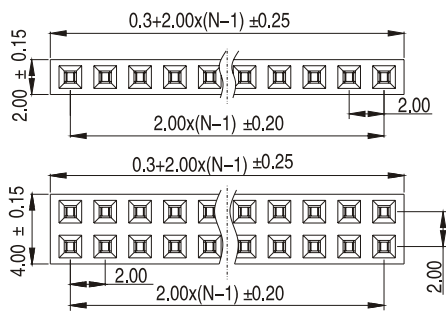


Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
477	829x	6xx	4x	x

	A	B
1	9.35	1.27
2	11.63	1.27
3	12.34	1.27
4	21.59	1.27

B	Number of row: 5: Single row 6: Double row
C	From 04 to 80 contact per row
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Standard dimension, please refer to the table



SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

MODUKON

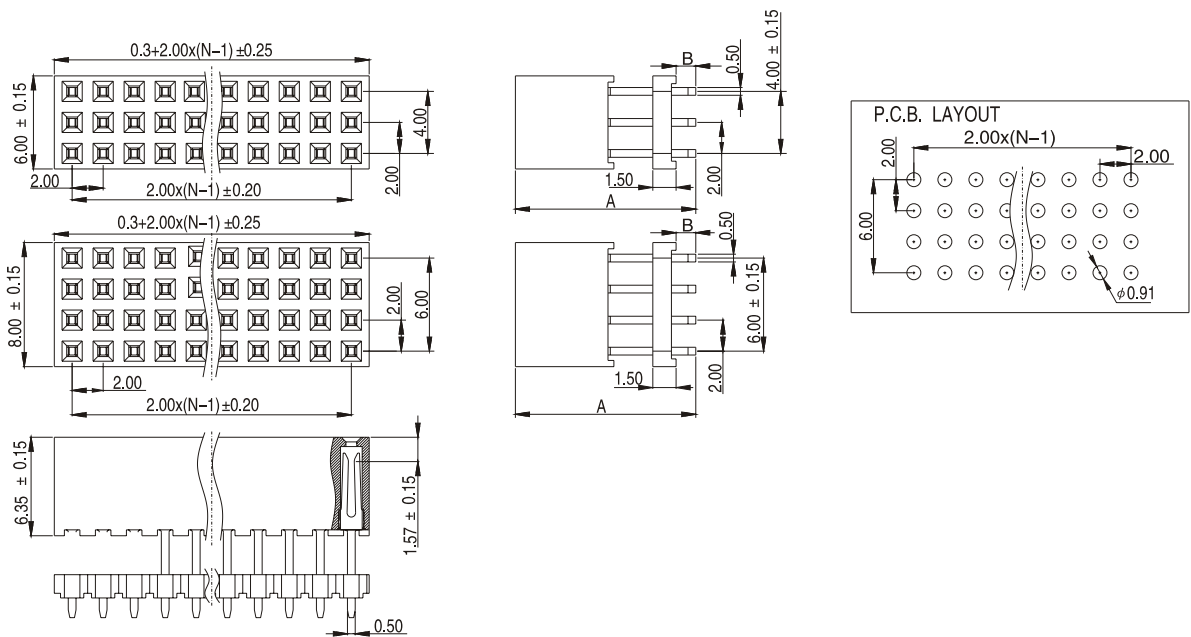


Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code					
A	B	C	D	E	F
477	8297	x	xx	4x	x

	A	B
1	9.35	1.27
2	11.63	1.27
3	12.34	1.27
4	21.59	1.27

C	Number of Row C: Triple row D: Four row
D	Number of contact per row From 02 to 40 contact per row
E	Plating 1 Gold flash 4 Tin 6 Selective gold flash
F	Standard dimension, please refer to the table



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR STRAIGHT 2 mm

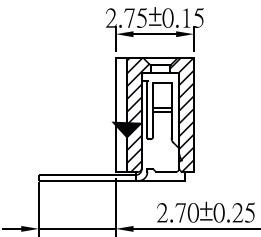
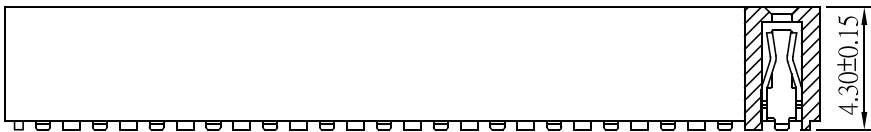
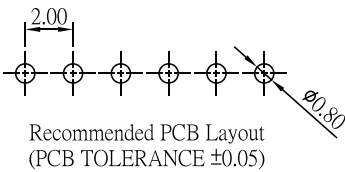
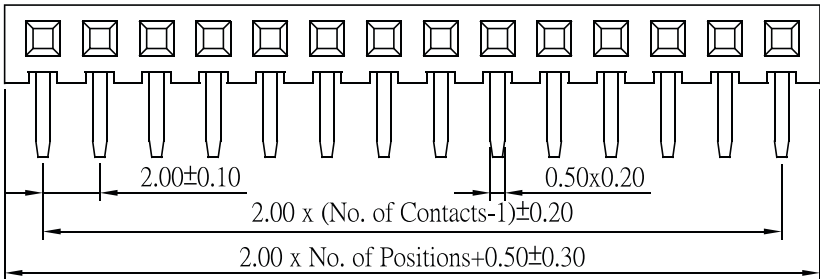
MODUKON



Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
477	9773	6xx	4x	x

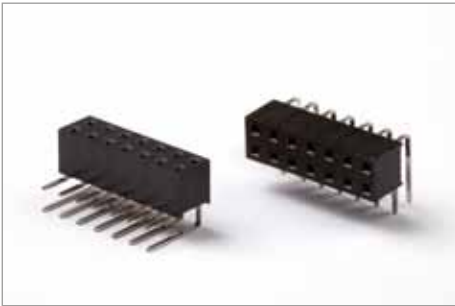
C	Number of contacts from 04 to 40
D	Plating 1 Gold flash 4 Tin 7 Selective gold



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SOCKET
 SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW 2 mm

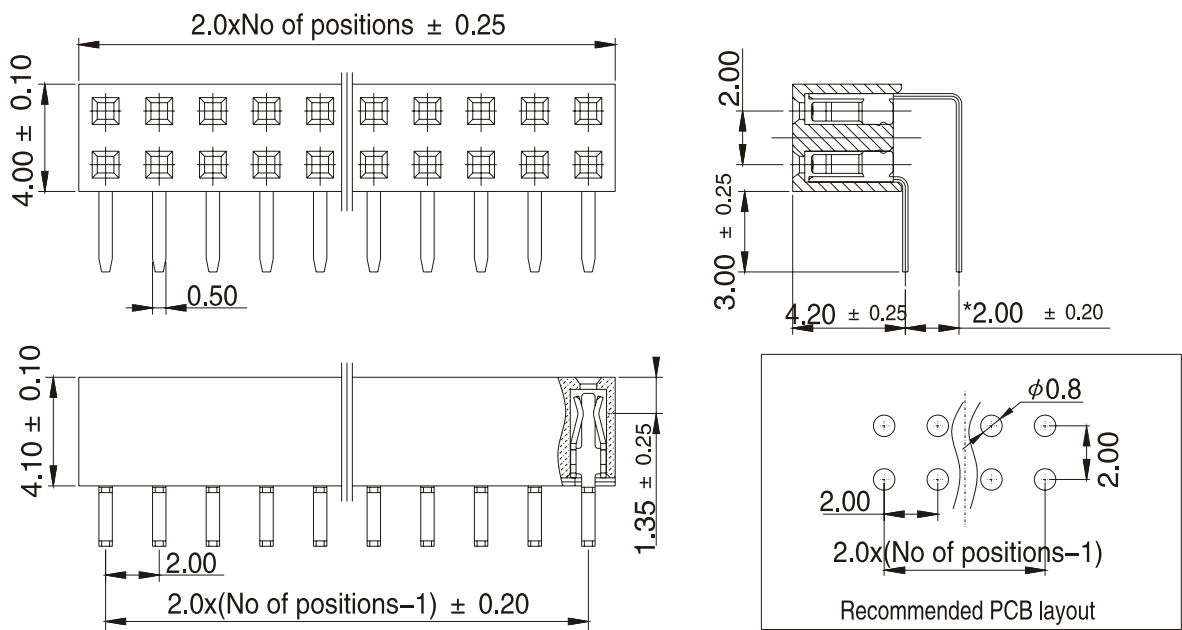
MODUKON



Features	Body height 4 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	8288	6xx	4x0

C	Number of contacts from 04 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



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SOCKET
SOCKET CONNECTOR RIGHT ANGLE SINGLE ROW 2 mm

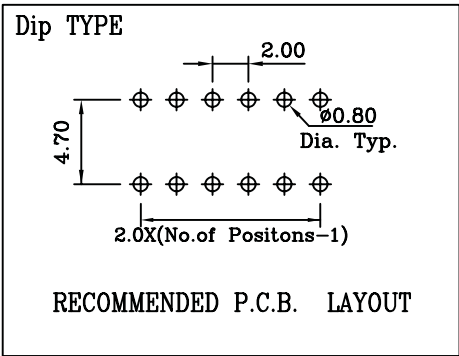
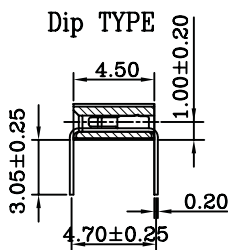
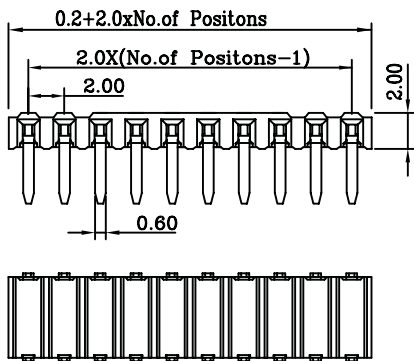
MODUKON



Features	Body height 2 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	8302	6xx	4x0

C	Number of contacts from 02 to 30
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



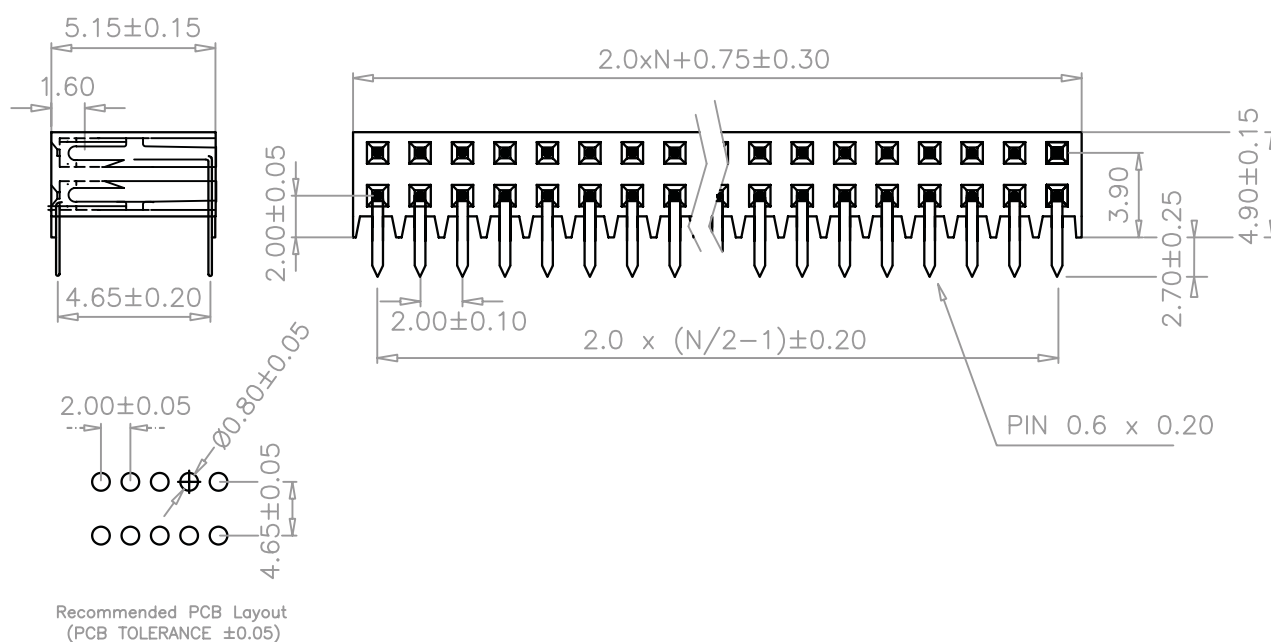
“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW 2 mm

Features	Body height 4.9 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

A	B	C	D	E
477	9742	6	xx	4x0

D	Number of contacts from 06 to 50
E	Plating 1 Gold flash 4 Tin 7 Selective gold plating 0 Gold 0.25 μm



"Due to technical progress, all design, specification and components are subject to change without notice".

SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

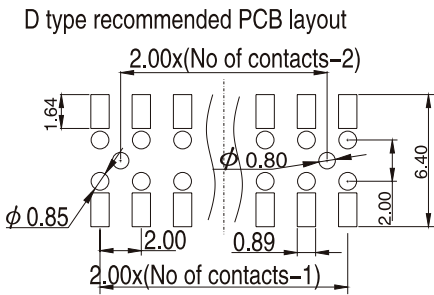
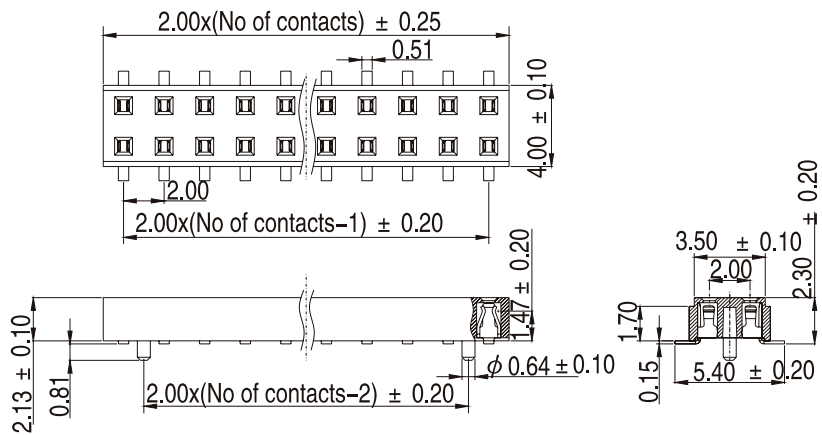
MODUKON SMT



Features	Dual entry socket Body height 2.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code					
A	B	C	D	E	F
677	8304	6xx	4x	x	-x

C	Number of contacts from 04 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

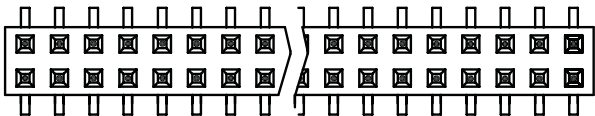
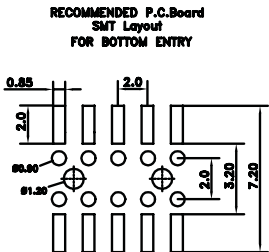
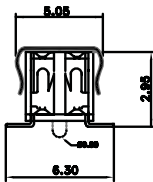
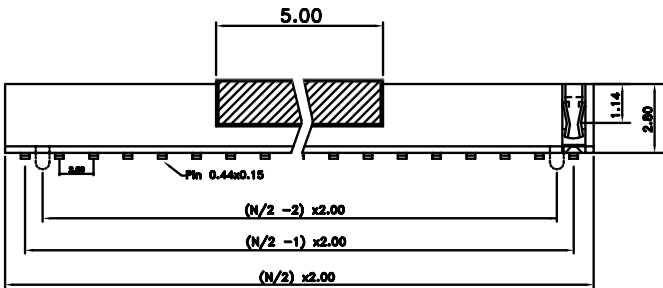
MODUKON SMT



Features	Dual entry socket Body height 2.8 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code						
A	B	C	D	E	F	G
677	9784	6	xx	4x	x	-x

D	Number of contacts from 10 to 60
E	Plating 0 Gold 1 Gold flash 4 Tin 7 Selective gold
F	Locating peg 0 without 1 with
G	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 2 mm

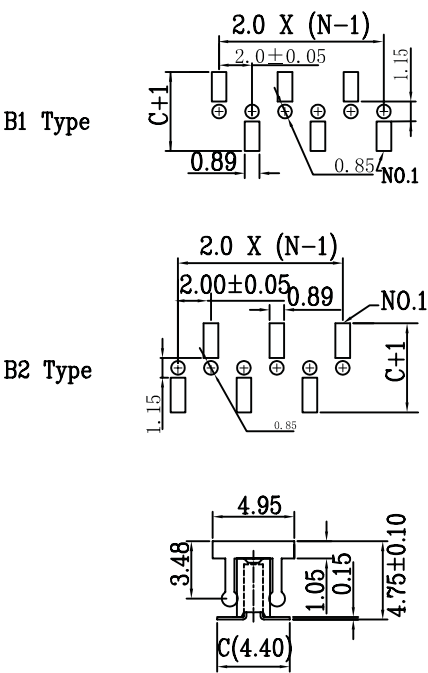
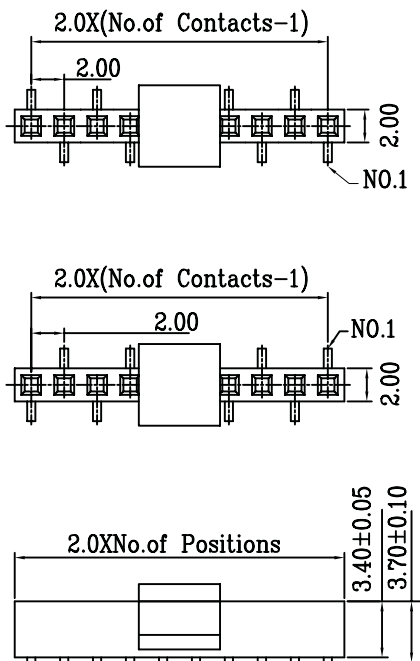
MODUKON SMT



Features	Dual entry socket Body height 3.7 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8300	6xx	4x	x	-x

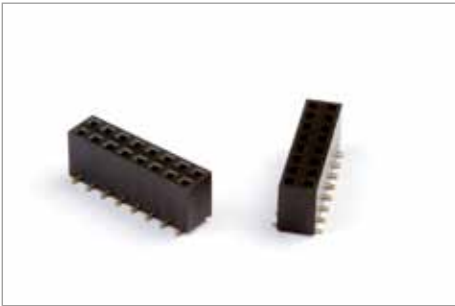
C	Number of contacts from 04 to 40
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the first pin See below 1 or 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

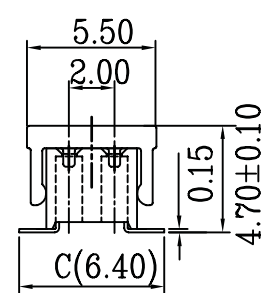
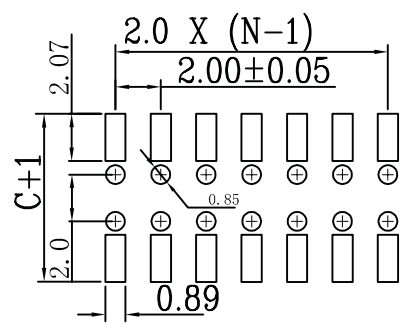
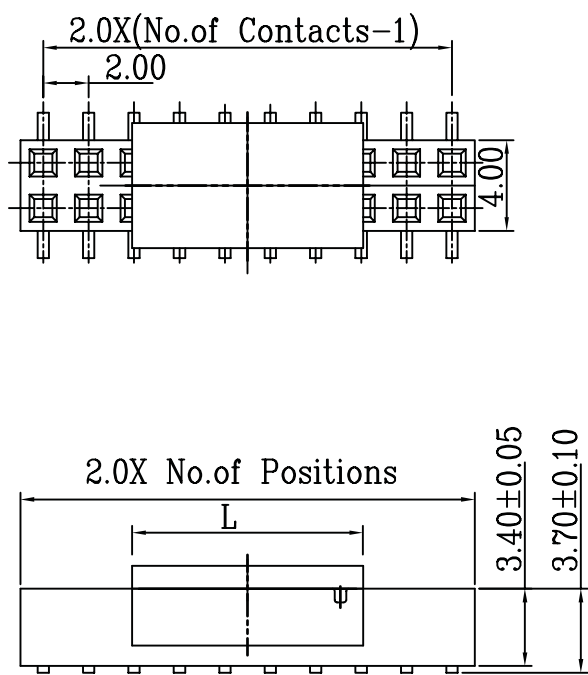
MODUKON SMT



Features	Dual entry socket Body height 3.7 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8301	6xx	4x	x	-x

C	Number of contacts from 06 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 2 mm

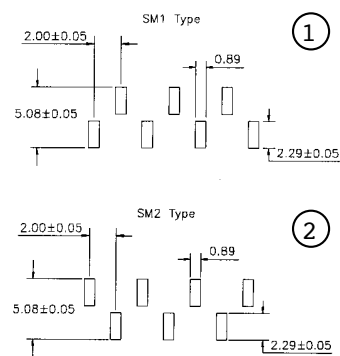
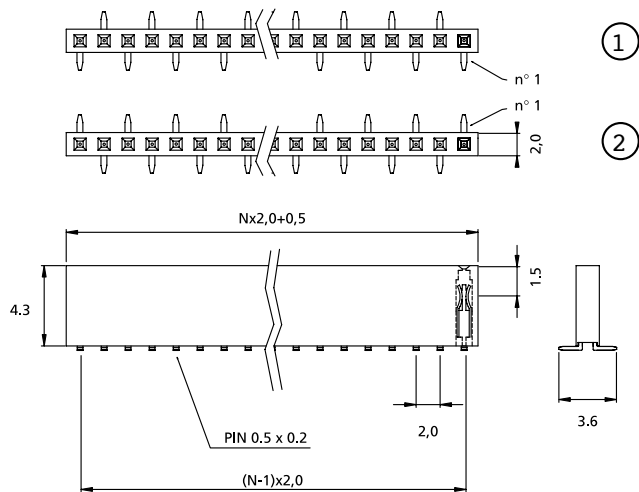
MODUKON SMT



Features	Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Carton box, Tube or T&R

Product Code						
A	B	C	D	E	F	G
677	9734	6	xx	4x	x	-x

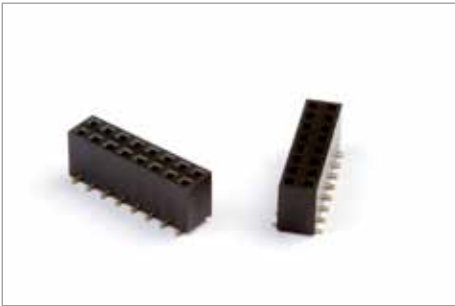
D	Number of contacts from 04 to 25
E	Plating 1 Gold flash 4 Tin 7 Selective gold plating 0 Gold 0.25 µm 6 Selective gold flash
F	Position of the first pin see below 1 or 2
G	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

MODUKON SMT

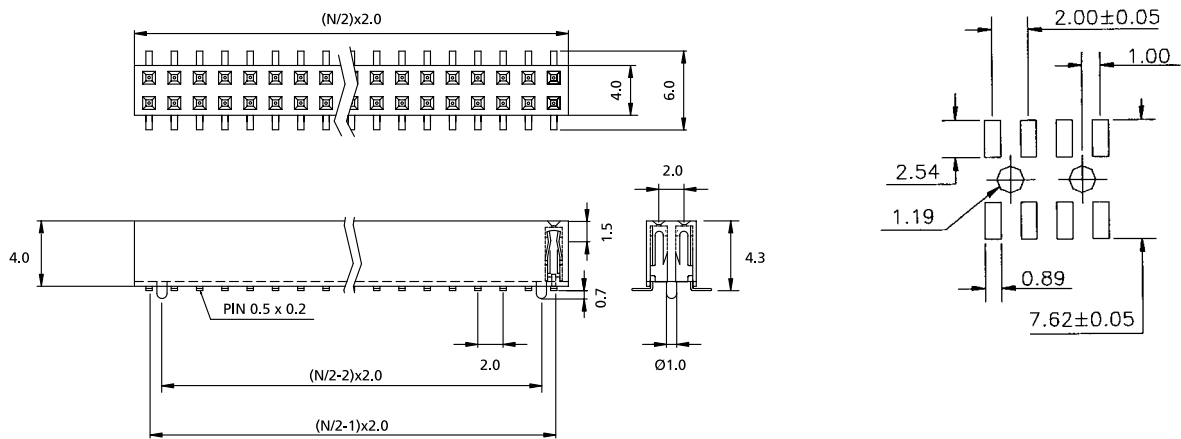


Features	Body height 4.3 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Carton box, Tube or T&R

Product Code						
A	B	C	D	E	F	G
677	9735	6	xx	4x	x	-x

D	Number of contacts from 06 to 60
E	Plating 1 Gold flash 4 Tin 7 Selective gold plating 0 Gold 0.25 µm 6 Selective gold flash
F	Locating peg (Ø 1 mm) 0 without 1 with
G	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap

(N= Number of contacts)



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 2 mm

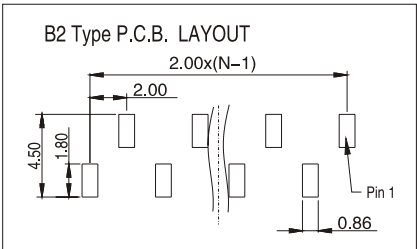
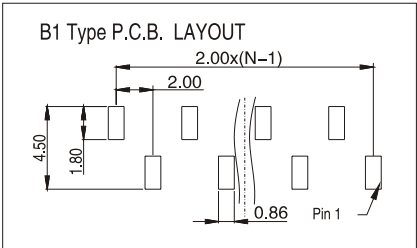
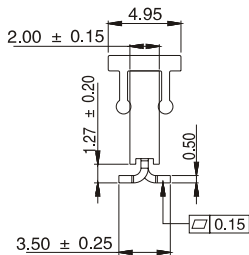
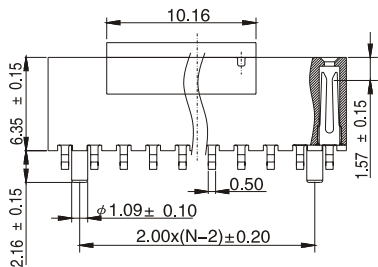
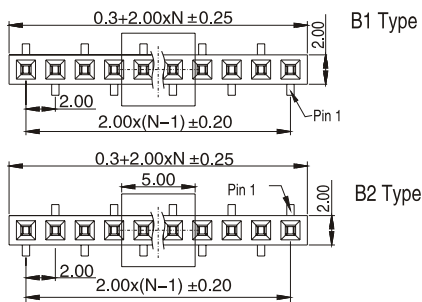
MODUKON SMT



Features	Toal body height 7.62 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8290	6xx	4x	x	-x

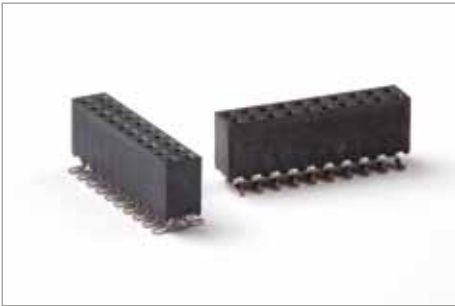
C	Number of contacts from 02 to 30
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Position of the frst pin See below 1 or 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

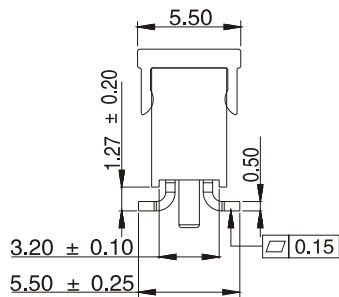
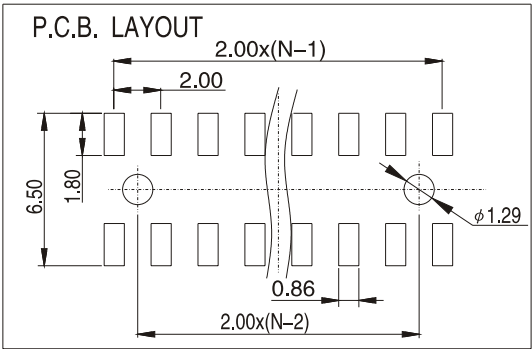
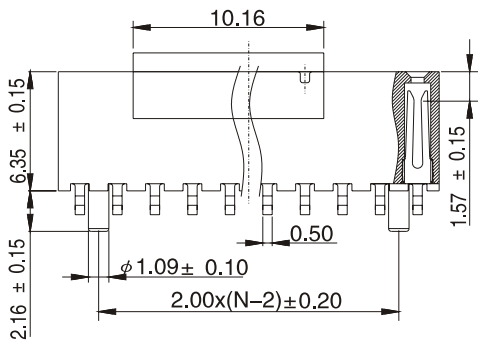
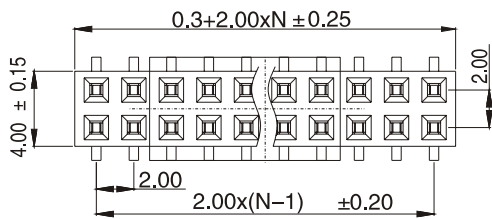
MODUKON SMT



Features	Total body height 7.62 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8291	6xx	4x	x	-x

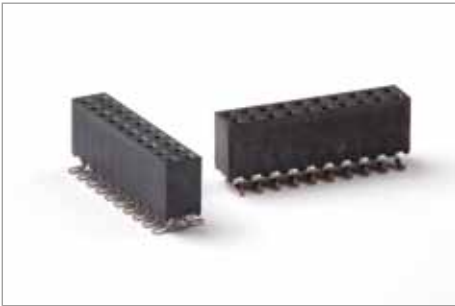
C	Number of contacts from 04 to 60
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2 mm

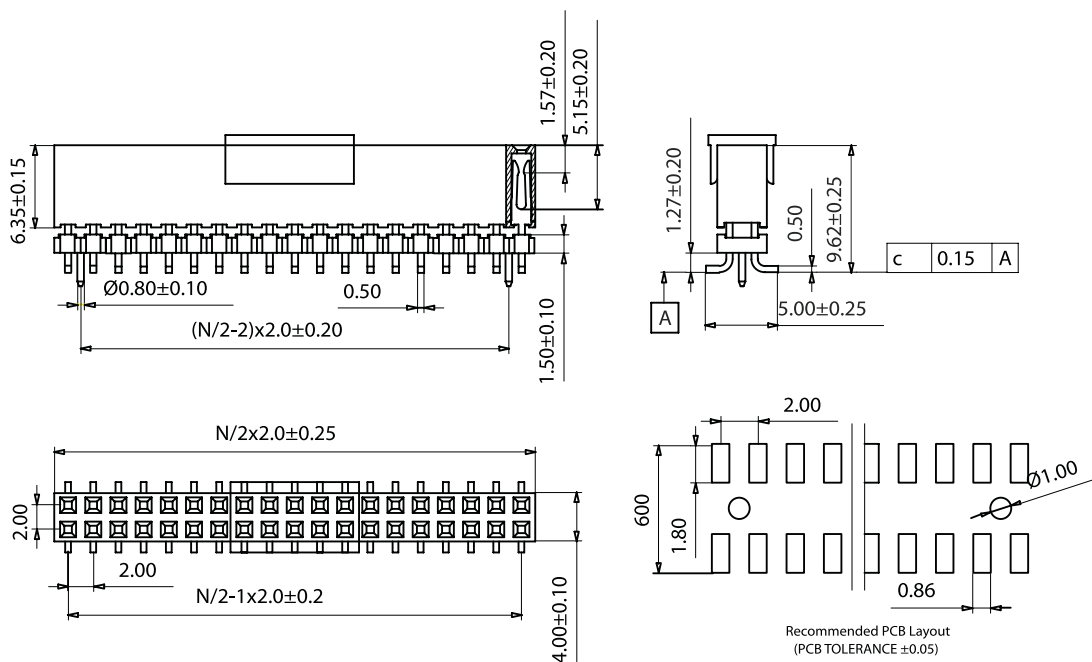
MODUKON SMT



Features	Elevated SMT socket Cody height 9,62 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8299	6xx	4x	x	-x

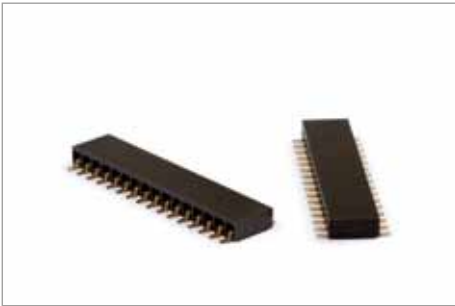
C	Number of contacts from 04 to 60
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR RIGHT ANGLE SINGLE ROW SMT 2 mm

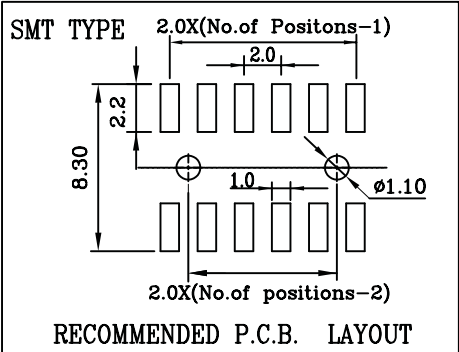
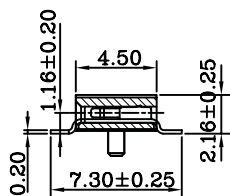
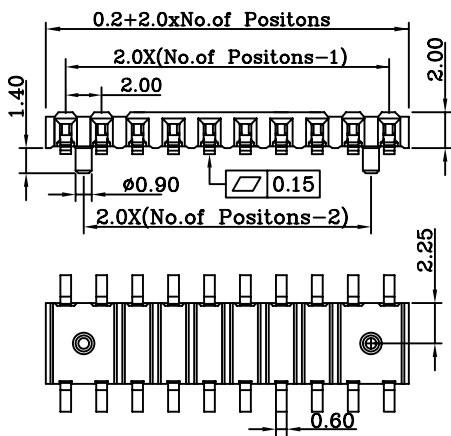
MODUKON SMT



Features	Body height 2.16 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
677	8303	6xx	4x	x	-x

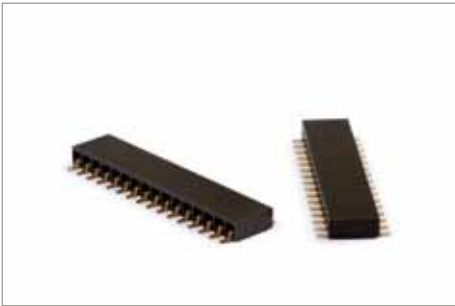
C	Number of contacts from 02 to 20
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	Locating peg 0 without 1 with
F	T: tube R: Tape & Reel



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SOCKET
SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW SMT 2 mm

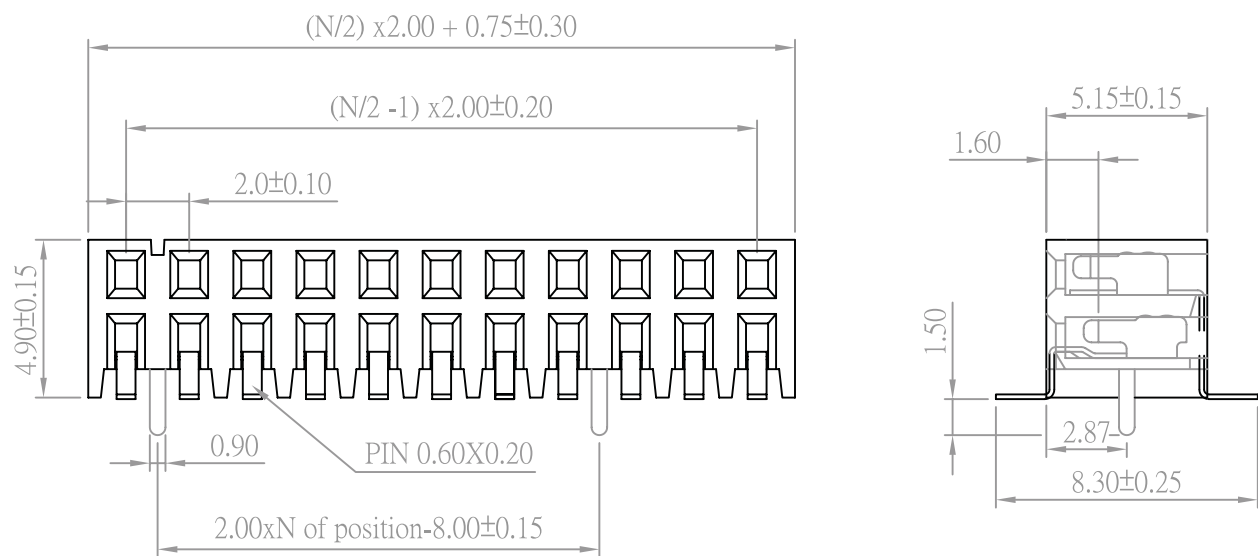
MODUKON SMT



Features	Body height 4.9 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 1.5A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩmini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or Tape & Reel

Product Code					
A	B	C	D	E	F
677	9841	6xx	4x	x	-x

C	Number of contacts from 04 to 40
D	Plating 1 Gold flash 4 Tin 7 Selective gold
E	Location peg 0: without location peg 1: with location peg
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR RIGHT ANGLE SMT 2 mm

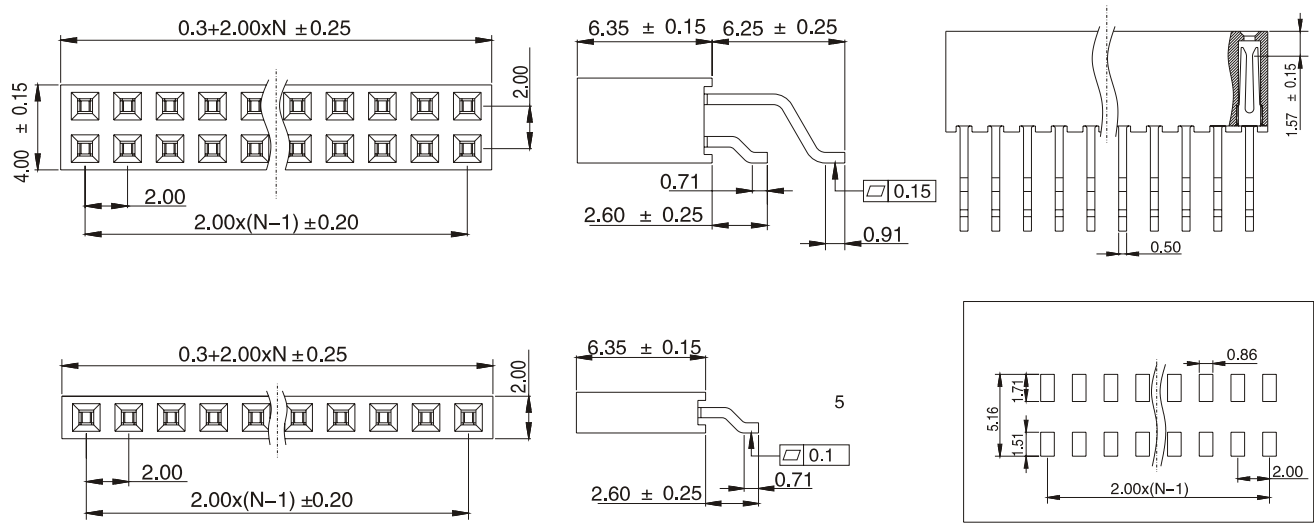
MODUKON SMT



Features	Body height 2 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code				
A	B	C	D	E
677	829x	6xx	4x0	-x

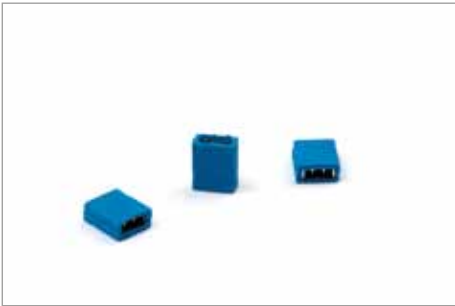
B	Number of row 2 Single row 3 Double row
C	Number of contacts from 02 to 30 single row from 04 to 60 double row
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	T: tube R: Tape & Reel



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JUMPERS
JUMPERS 2 mm

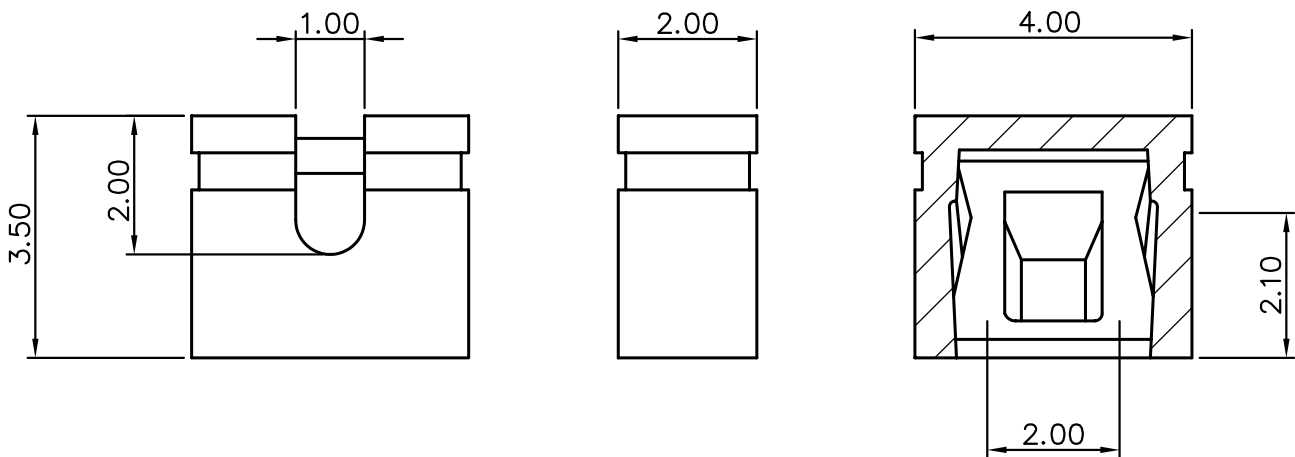
INSULATED JUMPERS



Features	Mate with 2.0 mm grid male header connectors
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 1A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
313	971x	000	4x	x

B	3 Open jumper, low profile 3.5 mm 4 Close jumper, profile 5.0 mm
D	Plating 1 Gold flash 0 Gold 0.25 μm 4 Tin 7 Selective gold 6 Selective gold flash
E	colors: 0 black 2 red 4 yellow 5 green 6 blue 8 gray 9 white



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BOARD TO BOARD CONNECTION

PITCH 2.54 mm

Note:

PLATING standard version

Gold 0.25 μm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

INTERKON



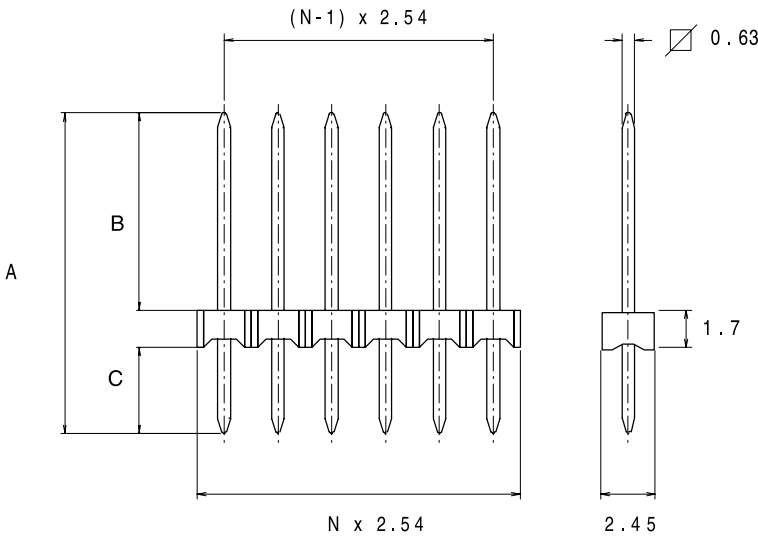
Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
985	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 01 to 40
D	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

xx	A	B	C
11	9.2	4.3	3.2
13	10.2	5.3	3.2
15	11.2	6.3	3.2
17	12.4	7.5	3.2
19	13.8	8.9	3.2
21	14.5	9.6	3.2
22	15.1	10.2	3.2
24	16.0	11.2	3.2
28	17.7	12.5	3.2
31	19.5	14.6	3.2
33	22.0	17.1	3.2
35	23.3	18.5	3.2
37	25.8	20.9	3.2
39	28.3	23.4	3.2
42	30.8	25.9	3.2

(N= Number
of contacts)



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MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

INTERKON

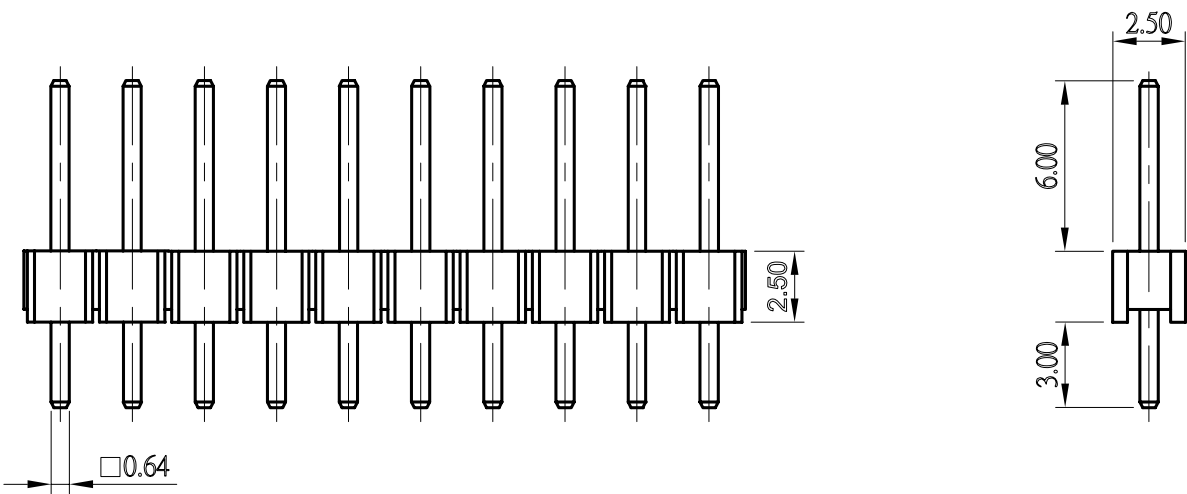


Features	Breakable header Insulator profile 2.54 mm Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 5000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
471	9760	1xx	4x0

C	Number of contacts from 02 to 40
	Plating
	0 Gold 0.25 µm
D	1 Gold flash
	4 Tin
	7 Selective gold

(N= Number
of contacts)



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MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

STRIP HEADERS

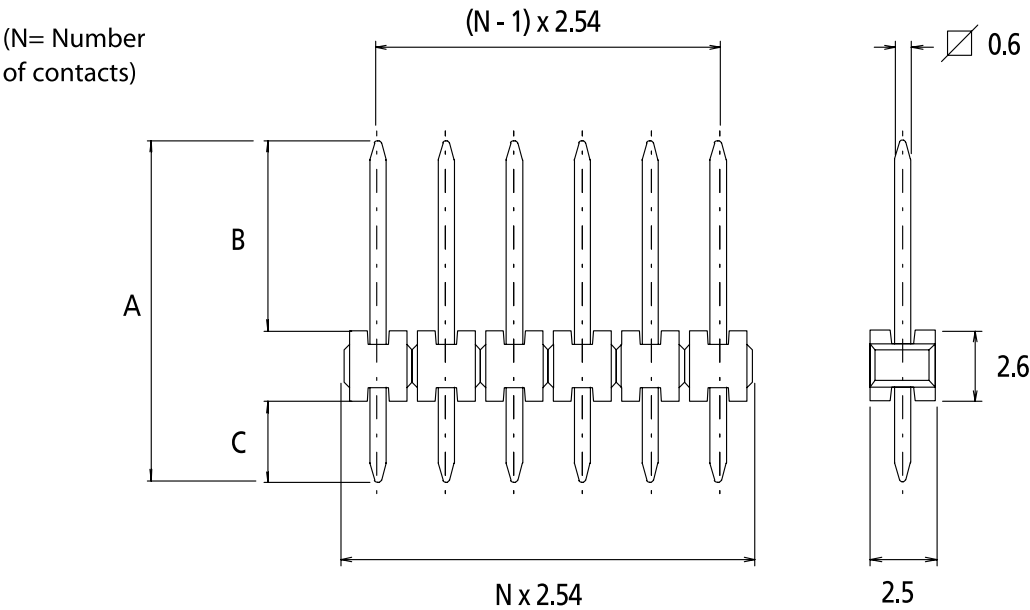


Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

Product Code			
A	B	C	D
471	xxxx	1xx	4x0

B	Version
C	Number of contacts from 01 to 40
D	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

Version	A	B	C
0543	9.2	3.3	3.3
0298	10.2	4.5	3.1
0358	11.2	5.4	3.2
1955	11.2	5.8	2.8
1956	12.4	5.8	4.0
0334	12.4	6.8	3.0
2801	12.9	7.3	3.0
0369	13.8	7.7	3.5
2035	13.8	8.1	3.1
0302	14.5	7.0	4.9
2754	14.5	8.8	3.1
0395	15.1	8.0	4.5
2256	15.1	9.3	3.2
2581	16.3	10.9	2.8
0575	17.7	12.0	3.1
2673	19.5	13.7	3.2
0211	22.0	15.6	3.8
2643	22.0	16.5	2.9
2003	25.8	20.2	3.0
0307	30.8	22.4	5.8
2804	30.8	25.2	3.0



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MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

INTERKON

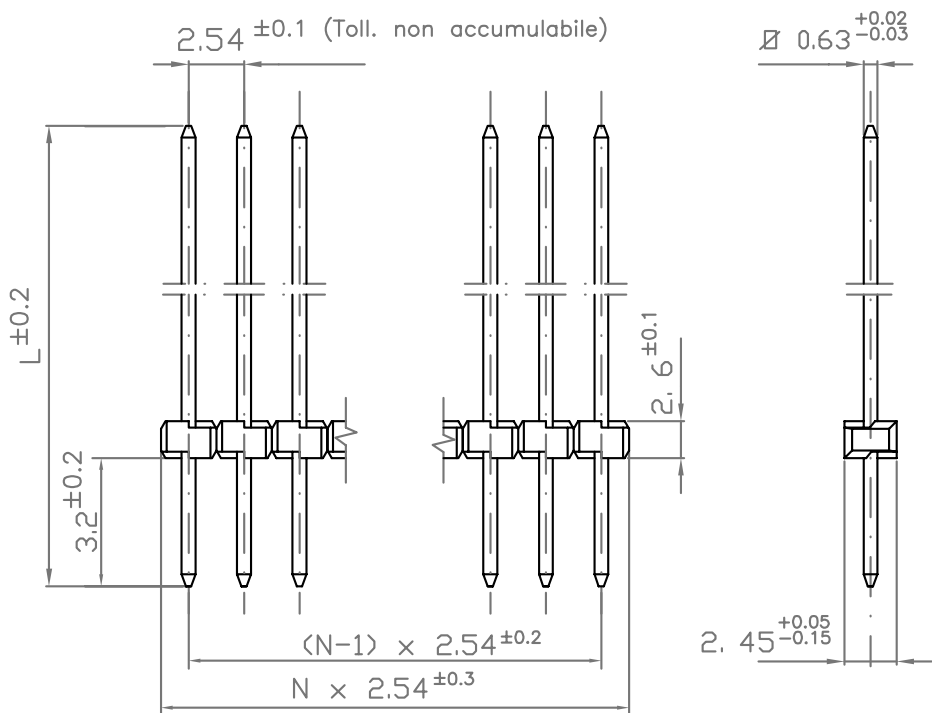


Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
971	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 01 to 40
D	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

xx	A	B	C
11	9.2	3.4	3.2
13	10.2	4.4	3.2
15	11.2	5.4	3.2
17	12.4	6.6	3.2
19	13.8	8.0	3.2
21	14.5	8.7	3.2
22	15.1	9.3	3.2
24	16.0	10.2	3.2
28	17.7	11.9	3.2
31	19.5	13.7	3.2
33	22.0	16.2	3.2
35	23.3	17.5	3.2
37	25.8	20.0	3.2
39	28.3	22.5	3.2
42	30.8	25.0	3.2



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MALE HEADER
MALE HEADER STRAIGHT 2.54 mm

STRIP HEADERS



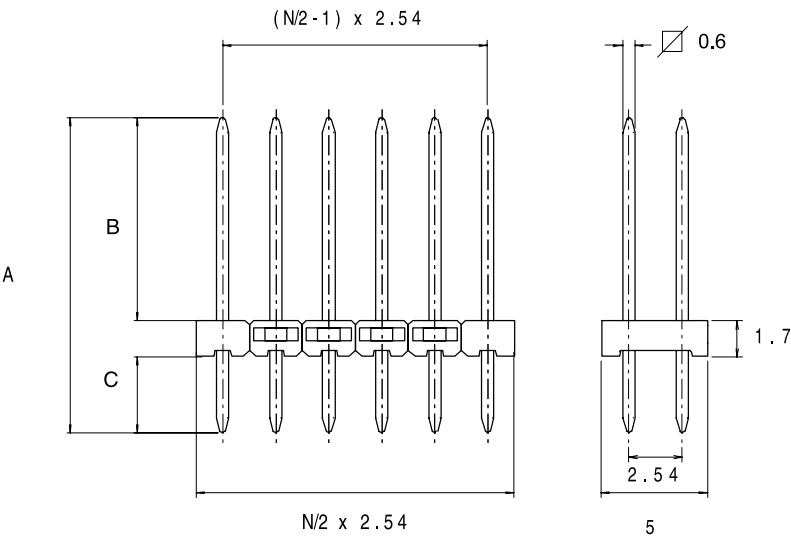
Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

Product Code				
A	B	C	D	E
38x	0xxx	1	xx	4x0

Version	A	B	C
0543	9.2	4.3	3.2
0298	10.2	5.4	3.1
0358	11.2	6.3	3.2
0334	12.4	7.5	3.2
0369	13.8	8.6	3.5
0395	15.1	8.9	4.5
0575	17.7	12.8	3.2
0211	22.0	16.5	3.8

A	5 Gold version 6 Tin version
B	Version see table
D	Number of contacts per strip from 01 to 40
E	00/40 Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

(N= Number
of contacts)



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2.54 mm

INTERKON



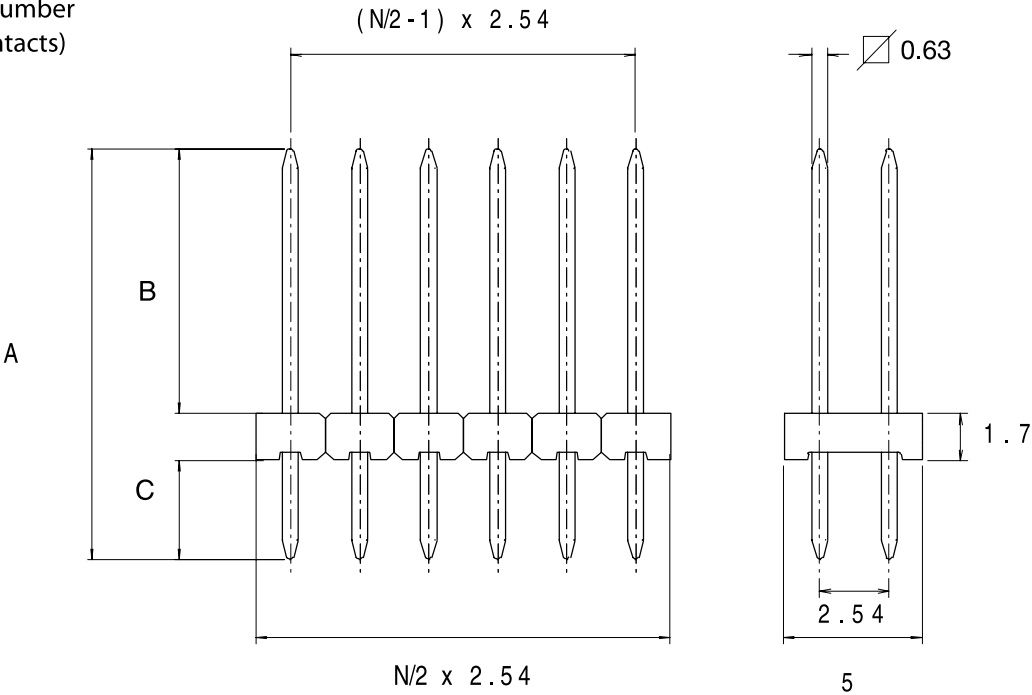
Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
989	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 02 to 80
D	0 Gold 0.20÷0.25 µm over 1÷2µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

xx	A	B	C
11	9.2	4.3	3.2
13	10.2	5.3	3.2
15	11.2	5.3	3.2
17	12.4	7.5	3.2
19	13.8	8.9	3.2
21	14.5	9.6	3.2
22	15.1	10.2	3.2
24	16.0	11.2	3.2
28	17.7	12.8	3.2
31	19.5	14.6	3.2
33	22.0	17.1	3.2
35	23.3	18.5	3.2
37	25.8	20.9	3.2
39	28.3	23.4	3.2
42	30.8	25.9	3.2

(N= Number
of contacts)



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2.54 mm

INTERKON

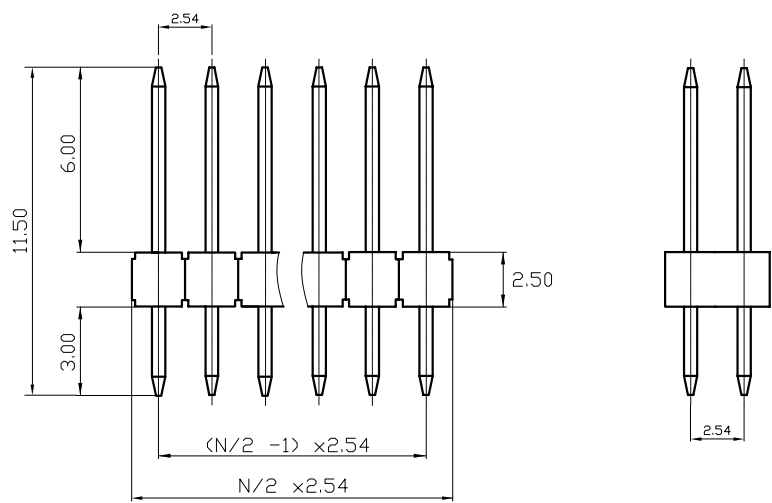


Features	Breakable header Insulator profile 2.54 mm Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
473	9750	1xx	4x0

C	Number of contacts from 02 to 80
Plating	
0 Gold 0.25 μm	
D 1 Gold flash	
4 Tin	
7 Selective gold	

(N= Number
of contacts)



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2.54 mm

STRIP HEADERS

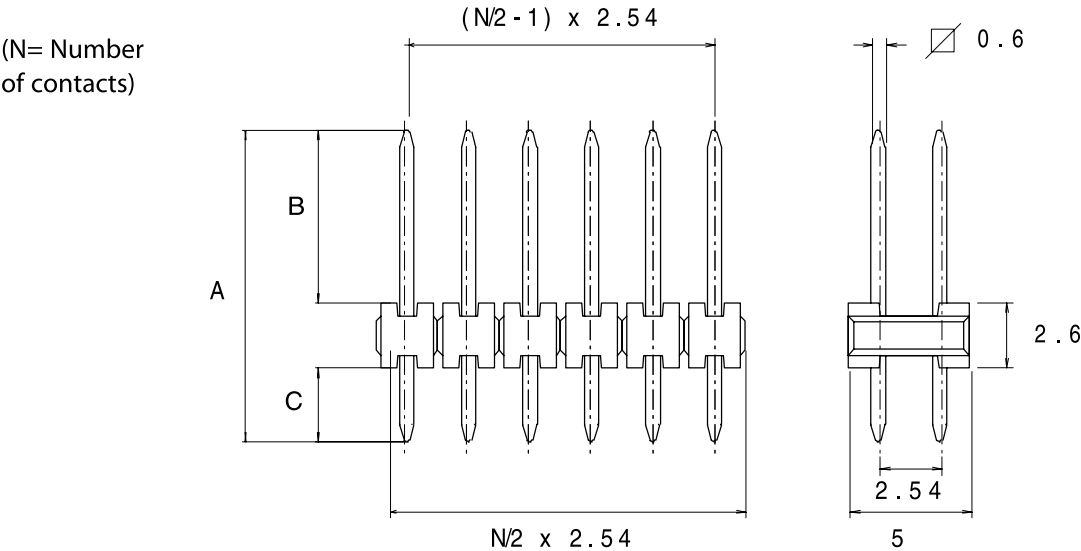


Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

Product Code			
A	B	C	D
473	xxxx	1xx	4x0

B	Version
C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.2 μm over Ni 1.27 μm 4 Tin 4 μm over Ni 1.27 μm Other platings on demand

Version	A	B	C
0358	11.2	5.4	3.2
1955	11.2	5.8	2.8
0334	12.4	6.8	3.0
2801	12.9	7.3	3.0
0369	13.8	7.7	3.5
2035	13.8	7.7	3.5
2754	14.5	8.8	3.1
2256	15.1	9.3	3.2
2581	16.3	10.9	2.8
0575	17.7	12.0	3.1
1960	17.7	9.3	5.8
0211	22.0	15.6	3.8
2804	30.8	25.2	3.0
0395	15.1	8.0	4.5
0298	10.2	4.5	3.2
0543	9.2	3.3	3.3
0303	19.5	12.0	4.9
0307	30.8	22.4	5.8
0306	28.3	19.9	5.8
0305	25.8	17.4	5.8
0304	23.3	14.9	5.8
1844	16.3	7.9	5.8
1958	14.5	6.1	5.8
1956	12.4	4.0	5.8



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MALE HEADER
MALE HEADER STRAIGHT DOUBLE ROW 2.54 mm

INTERKON



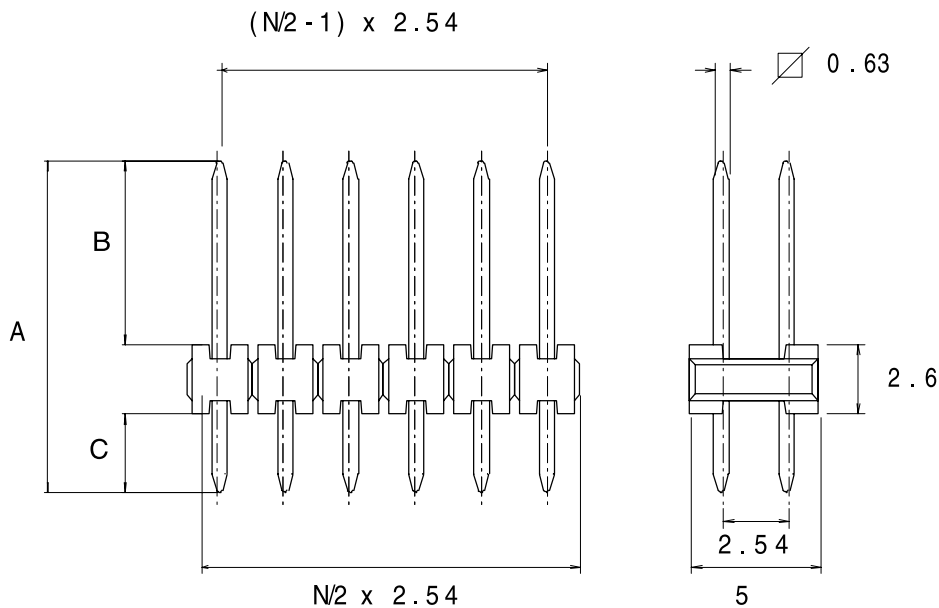
Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
973	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

xx	A	B	C
11	9.2	3.4	3.2
13	10.2	4.4	3.2
15	11.2	5.4	3.2
17	12.4	6.6	3.2
19	13.8	8.0	3.2
21	14.5	8.7	3.2
22	14.5	8.7	3.2
24	16.0	10.2	3.2
28	17.7	11.9	3.2
31	19.5	13.7	3.2
33	22.0	16.2	3.2
35	23.3	17.5	3.2
37	25.8	20.0	3.2
39	28.3	22.5	3.2
42	30.8	25.0	3.2

(N= Number
of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE 2.54 mm

INTERKON



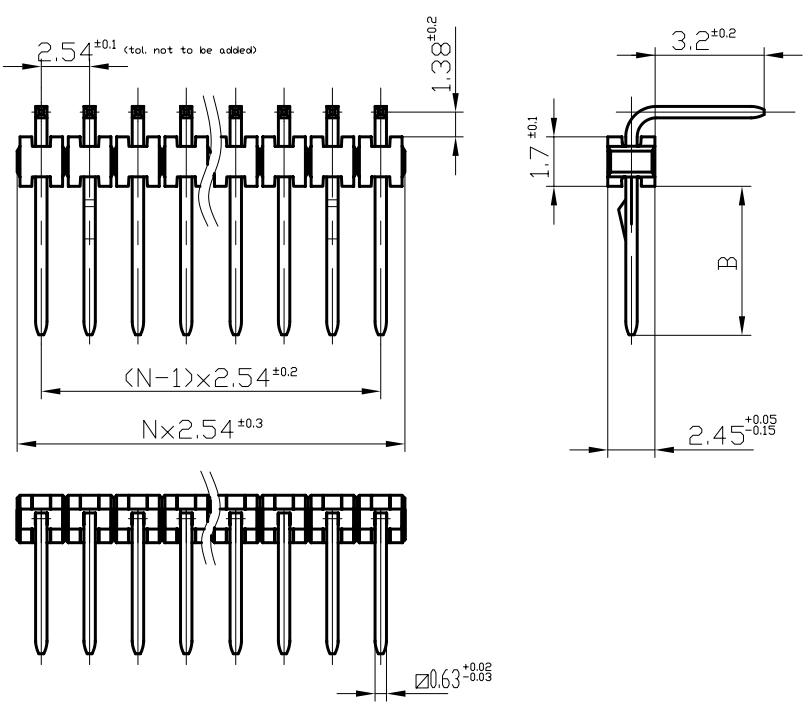
Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
903	99xx	1xx	4x0

B	Standard connectors: view table
C	Number of contacts from 01 to 40
D	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

Version	A	B	C
11	2.30	3.20	1.38
13	3.30	3.20	1.38
15	4.30	3.20	1.38
17	5.50	3.20	1.38
19	6.90	3.20	1.38
21	7.60	3.20	1.38
22	8.20	3.20	1.38
24	9.10	3.20	1.38
28	10.80	3.20	1.38
31	12.60	3.20	1.38
32	13.40	3.20	1.38
33	15.10	3.20	1.38

(N= Number
of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE 2.54 mm

INTERKON



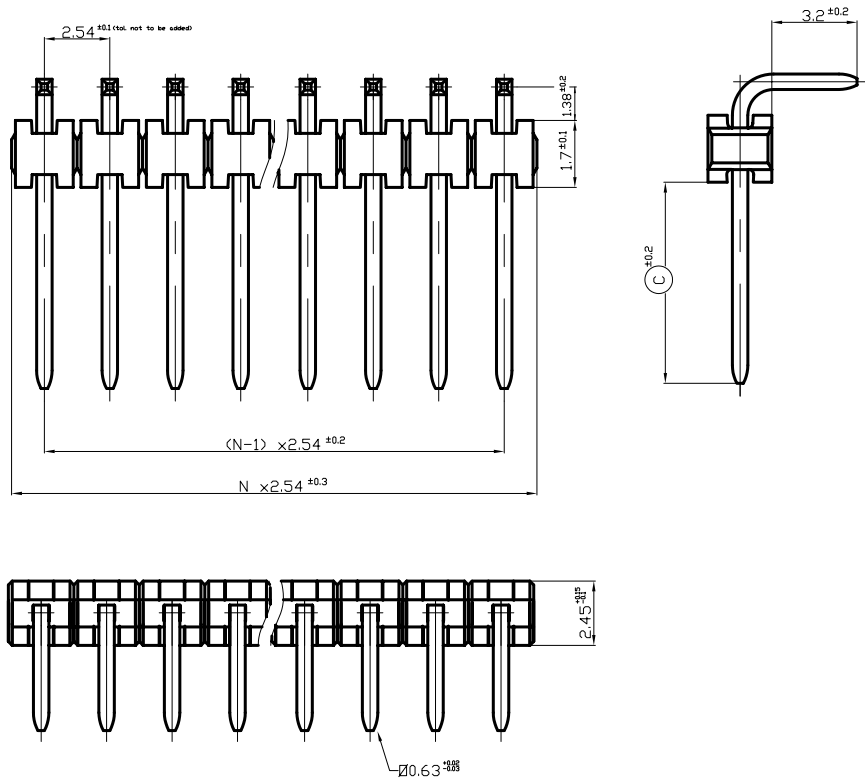
Features	Breakable header Insulator profile 31.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code				
A	B	C	D	E
987	99xx	1	xx	4x0

xx	B	C	D
11	3.2	2.2	1.38
13	3.2	3.2	1.38
15	3.2	4.2	1.38
17	3.2	5.4	1.38
19	3.2	6.8	1.38
22	3.2	8.1	1.38
24	3.2	9.0	1.38
28	3.2	10.7	1.38
31	3.2	12.5	1.38
33	3.2	15.0	1.38

B	Standard connectors: view table
D	Number of contacts from 01 to 40
E	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni

(N= Number
of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE 2.54 mm

INTERKON

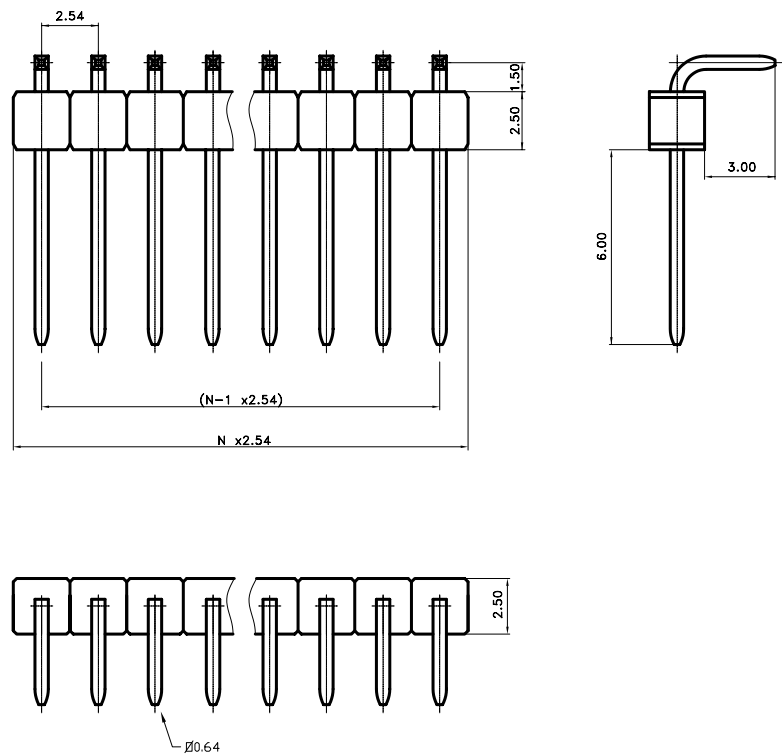


Features	Breakable header Insulator profile 2.54 mm Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
472	9716	1xx	4x0

C	Number of contacts from 02 to 40
	Plating
D	0 Gold 0.25 µm
	1 Gold flash
	4 Tin
	7 Selective gold

(N= Number
of contacts)



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STRIP HEADERS
STRIP HEADERS RIGHT ANGLE 2.54 mm

INTERKON



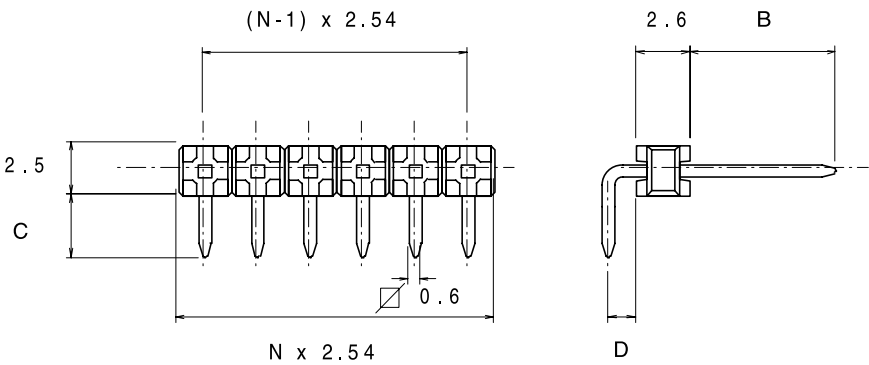
Features	Header breakable to required length Pitch 2.54 mm
Material	Housing: Black GF thermoplastic UL94 V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Voltage: 1000 V eff. Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -55 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

Product Code				
A	B	C	D	E
472	xxx	1	xx	4x0

Version	B	C	D
47203031xx4x0	3.2	9.1	3.9
47203581xx4x0	3.3	3.2	1.4
47203691xx4x0	5.6	3.6	1.4
47203021xx4x0	7	3	1.4
47218441xx4x0	7	5	1.4
47205751xx4x0	9.9	3.2	1.4
47202111xx4x0	14.1	3.2	1.4

B	Version
D	Number of contacts from 01 to 40
E	Plating 0 Gold 0.20 µm over 1.27 µm Ni 4 Tin 4 µm over 1.27 µm Ni Other platings on demand

(N= Number
of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE 2.54 mm

INTERKON

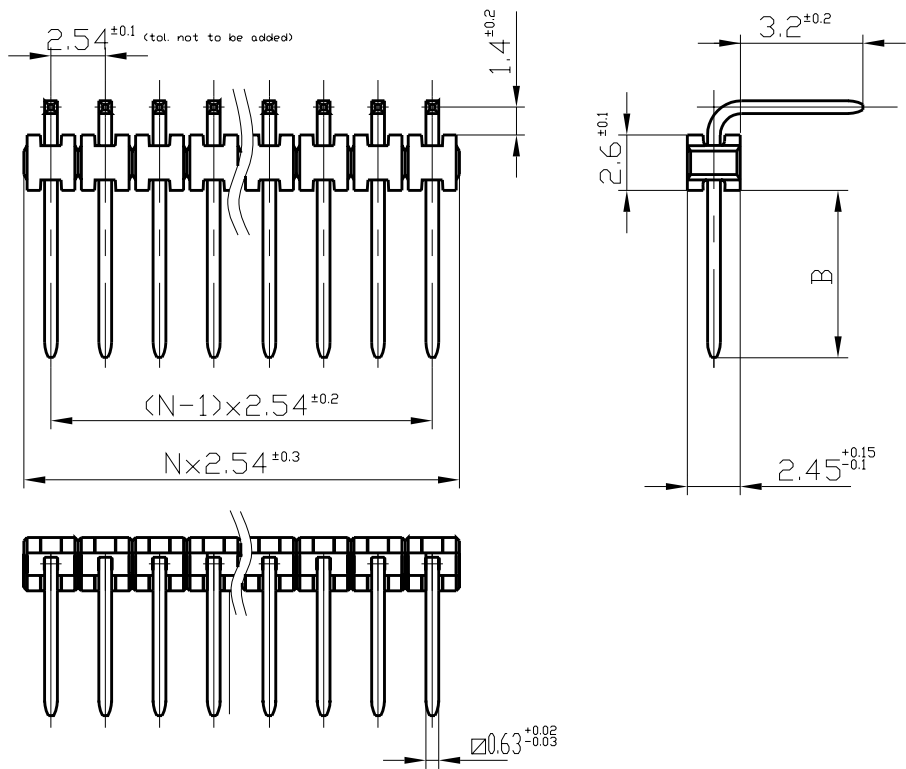


Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
972	99xx	1xx	4x0

xx	B	C	D
15	3.4	3.2	1.4
17	4.6	3.2	1.4
19	6.0	3.2	1.4
21	6.7	3.2	1.4
22	7.3	3.2	1.4
24	8.2	3.2	1.4
28	9.9	3.2	1.4
31	11.7	3.2	1.4
33	14.2	3.2	1.4
35	15.5	3.2	1.4
37	18.0	3.2	1.4
39	20.5	3.2	1.4
42	23.0	3.2	1.4

B	Standard connectors: view table
D	Number of contacts from 01 to 40
E	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1 µm Ni



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MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

STRIP HEADERS



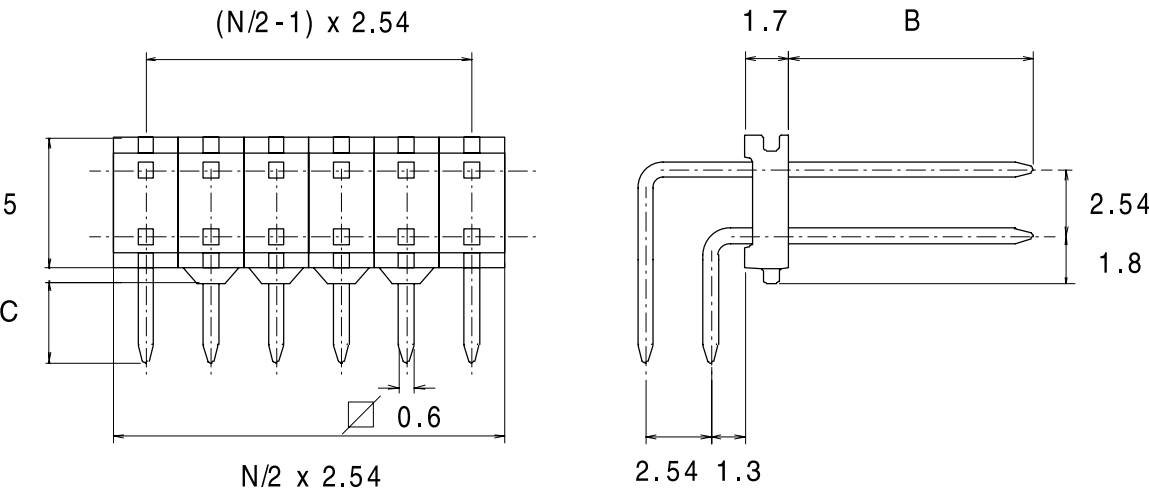
Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

Product Code			
A	B	C	D
39x	0xxx	1xx	4xx

Version	B	C
0419	5.8	3.0
0401	6.0	4.3

A	1 Gold version 2 Tin version
B	Version
C	Number of contacts per strip from 04 to 80
D	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

(N= Number
of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

INTERKON



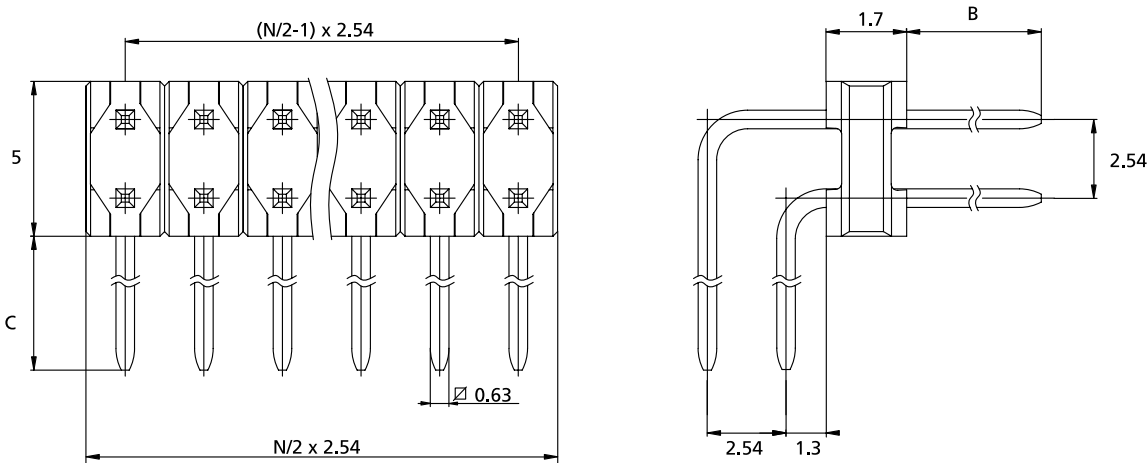
Features	Breakable header Insulator profile 1.7 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
991	99xx	1xx	4x0

xx	B	C
51	3.2	3.2
52	7.5	3.2
53	5.4	3.2
54	8.1	3.2
79	18.8	3.2

B	Standard connectors: view table
C	Number of contacts from 02 to 80
D	0 Gold 00.25 µm 1 Gold flash 4 Tin

(N= Number
of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

INTERKON

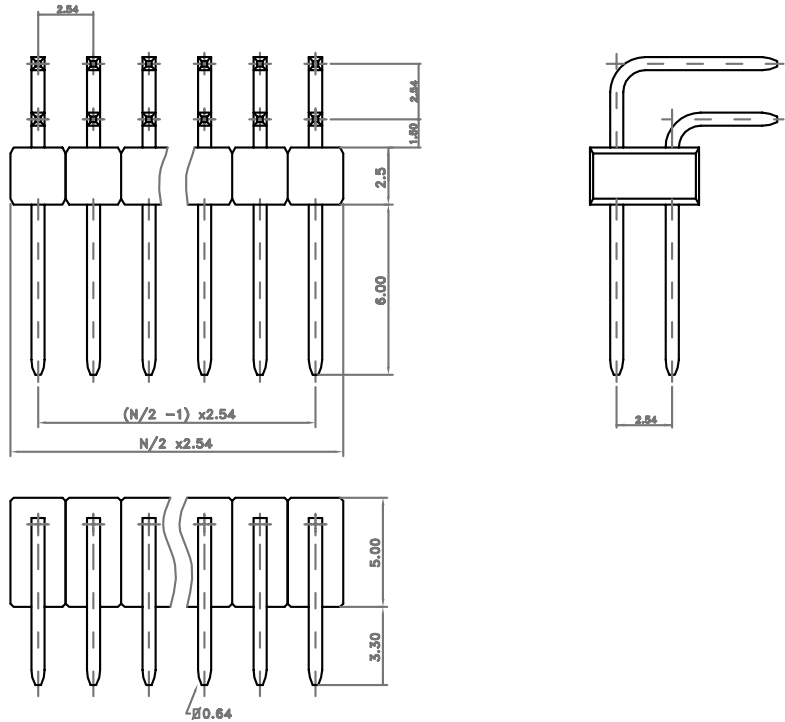


Features	Breakable header Insulator profile 2.54 mm Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
474	9751	1xx	4x0

C	Number of contacts from 04 to 80
Plating	0 Gold 0.25 µm
D	1 Gold flash
	4 Tin
	7 Selective gold

(N= Number
of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

STRIP HEADERS



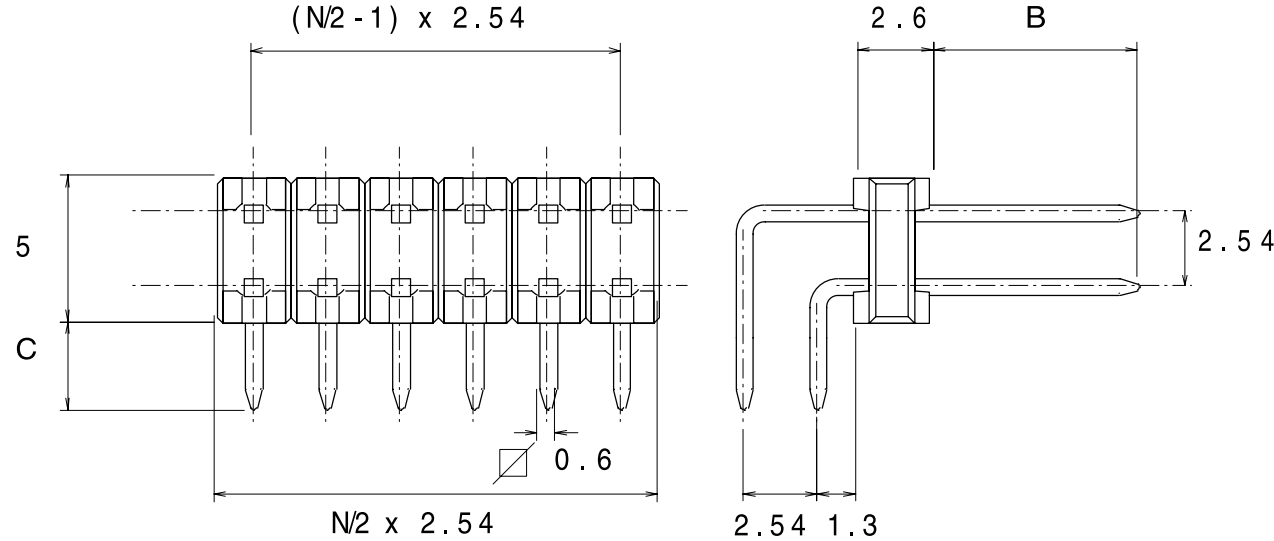
Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40° C to 125 °C Pc board Hole diameter Ø 1 mm
Packaging	Recyclable cardboard boxes

Product Code			
A	B	C	D
474	xxxx	1xx	4x0

Version	B	C
2160	3.3	3.4
2280	5.8	3.3
1965	6.0	3.8
1845	7.0	3.0
1984	8.1	3.5
1983	5.8	5.8

B	Version
C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand

(N= Number of contacts)



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MALE HEADER
MALE HEADER RIGHT ANGLE DOUBLE ROW 2.54 mm

INTERKON



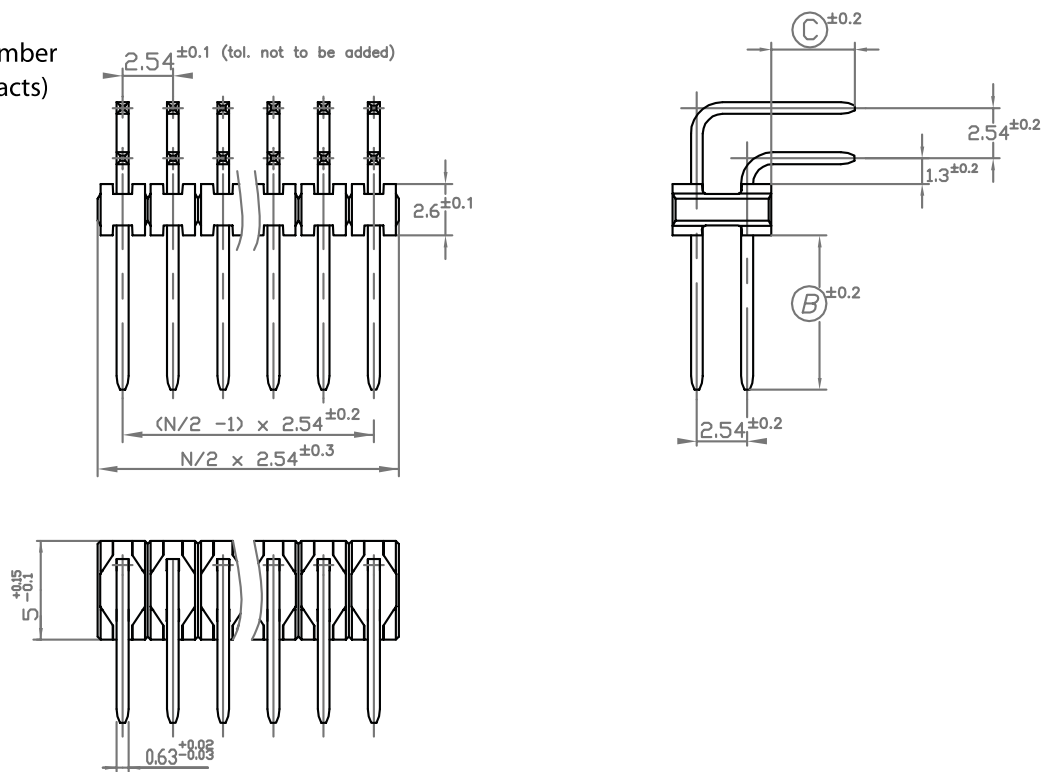
Features	Breakable header Insulator profile 2.6 mm Pin side dimension 0.63 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Cardboard boxes

Product Code			
A	B	C	D
974	99xx	1xx	4x0

Version	B	C
51	2.3	3.2
52	6.6	3.2
53	4.5	3.2
54	7.2	3.2
67	11.5	3.2
74	15.4	3.2
79	17.9	3.2

B	Standard connectors: view table
C	Number of contacts from 02 to 80
D	Plating 0 Gold 0.20÷0.25 µm over 1÷2 µm Ni 1 Gold flash 4 Tin 3÷5 µm over 0.5÷1µm Ni

(N= Number of contacts)



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MALE HEADER
DUAL INSULATED STRIP HEADERS 2.54 mm

INTERCOM



Features	Dual insulated headers Breakable pitch 2.54 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding:500 V AC Insulation resistance: 10000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable card board boxes

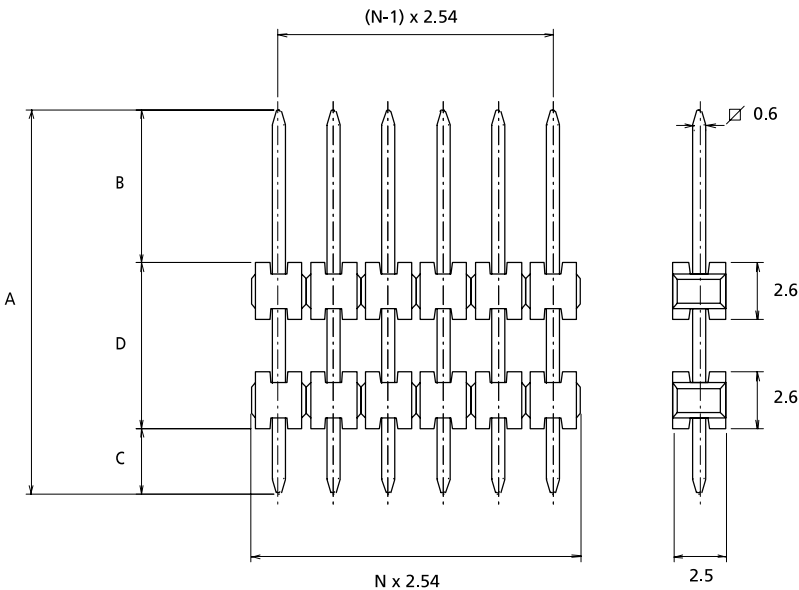
BUILD YOUR OWN HEADER:
Choose the A lenght of the standard pin shown in the table below and settle the B,C and D dimensions according to your needs. Then, inform K-C about these main features you require and you will get the complete P/N of the product you need. In order to inform K-C, you can send a copy of this page by fax (+39 0341 265400) completely filling in the hereunder form.

N = Total number of contacts (02÷40)	A ± 0,2	B ± 0,2	C ± 0,2	D ± 0,2	Plating
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0	Gold plating 0.2µm over Ni 1.27µm
1	Gold plating flash
4	Tin plating 4µm over Ni 1.27µm
7	Selective gold plating 0.2µm over Ni
8	Selective gold plating 0.4µm over Ni
9	Selective gold plating 0.8µm over Ni

(N= Number of contacts)



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
DUAL INSULATED DUAL ROW STRIP HEADERS 2.54 mm

INTERCOM



Features	Dual insulated headers Breakable pitch 2.54 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding:500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable card board boxes

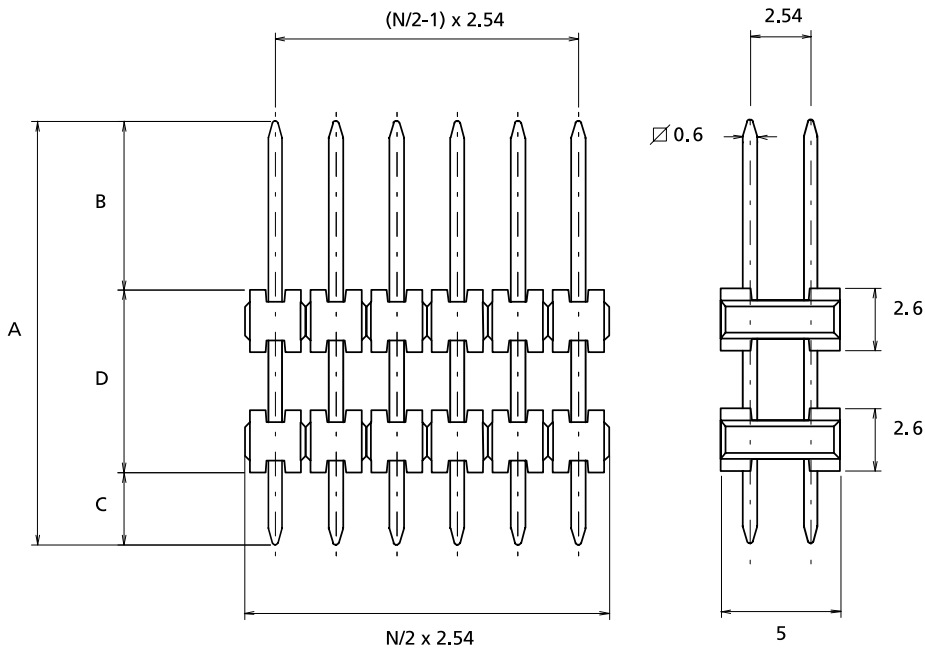
BUILD YOUR OWN HEADER:
Choose the A lenght of the standard pin shown in the table below and settle the B,C and D dimensions according to your needs. Then, inform K-C about these main features you require and you will get the complete P/N of the product you need. In order to inform K-C, you can send a copy of this page by fax (+39 0341 265400) completely filling in the hereunder form.

N = Total number of contacts (02÷40)	A ± 0,2	B ± 0,2	C ± 0,2	D ± 0,2	Plating
---	------------	------------	------------	------------	---------

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0	Gold plating 0.2 µm over Ni 1.27 µm
1	Gold plating flash
4	Tin plating 4 µm over Ni 1.27 µm
7	Selective gold plating 0.2 µm over Ni

(N= Number
of contacts)



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MALE HEADER
MALE HEADER STRAIGHT SMT 2.54 mm

INTERKON SMT

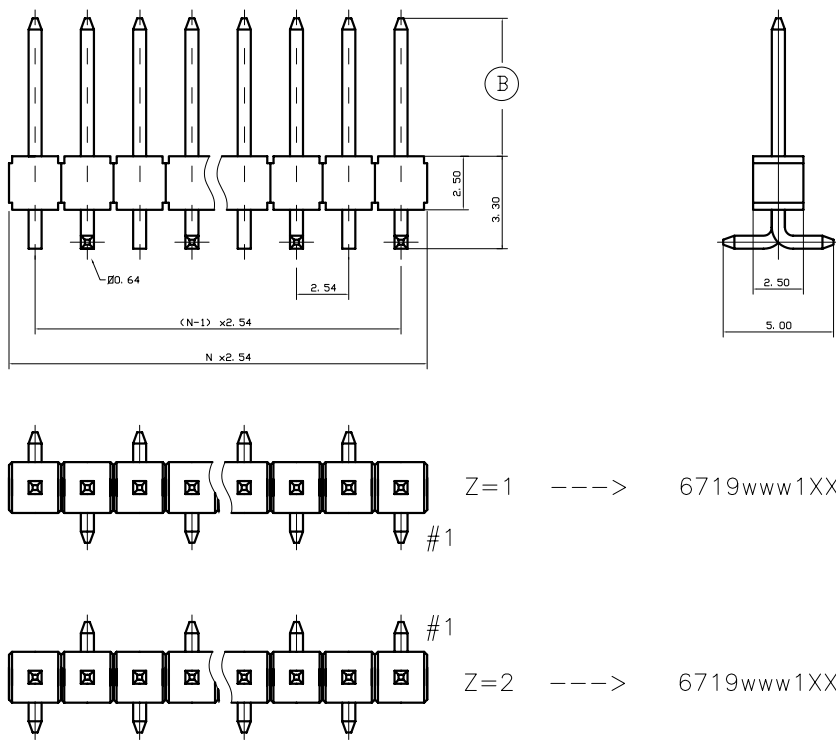


Features	Breakable header Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi. Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code					
A	B	C	D	E	F
671	9xxx	1xx	4x	x	-x

Cod	B
9807	3.3
9808	5.8
9798	6.0

B	See table
C	Number of contacts from 02 to 40
D	Plating 4 *Tin 4 µm over Ni 1.27 µm 7 *Selective Gold 0 Gold 0.25 µm 1 Gold flash
E	Position of the first pin (see below 1 or 2)
F	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER DOUBLE ROW SMT 2.54 mm

INTERKON SMT

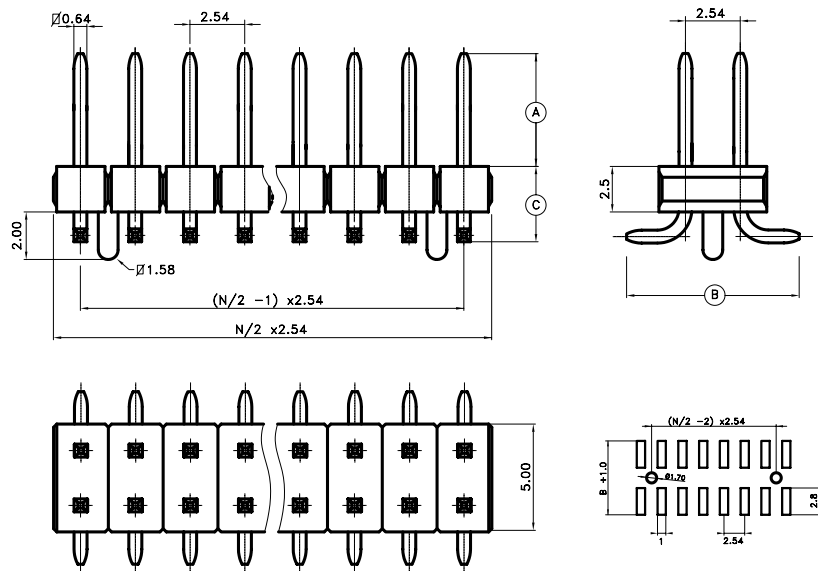


Features	Breakable header Pin side dimension 0.64 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi. Dielectric withstanding: 1000 V AC Insulation resistance: 1 000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code					
A	B	C	D	E	F
673	98xx	1xx	4x	x	-x

Cod	B
9809	3.3
9810	5.8
9811	6.0

B	See table
C	Number of contacts from 04 to 80
D	Plating 4 *Tin 4 µm over Ni 1.27 µm 7 *Selective Gold 0.2 µm over Ni 1.27 µm 0 Gold 0.25 µm 1 Gold flash 9 Gold 0.75 µm
E	Locating peg 0 without 1 with
F	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER RIGHT ANGLE SMT 2.54 mm

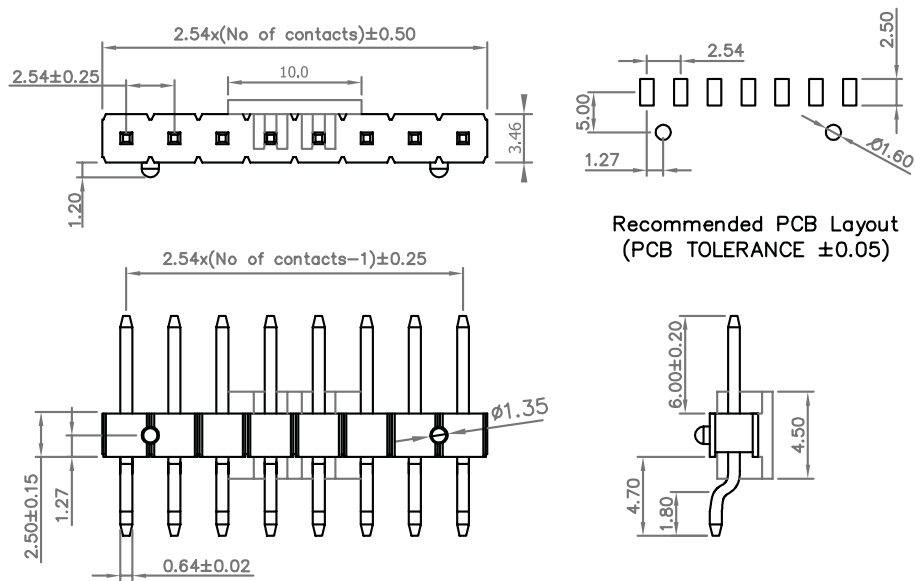
INTERKON SMT



Features	Breakable header Insulator profile 32.5 mm Positioning peg
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Brass
Electrical	Current rating: 3A maxi. Dielectric withstanding: 1000 V AC Insulation resistance: 5000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube or T&R

Product Code						
A	B	C	D	E	F	G
671	9749	1	xx	4x	1	-x

D	Number of contacts from 03 to 25
E	Plating 4 *Tin 7 *Selective Gold flash 0 Gold 0.25um 1 Gold flash 6 Selective gold flash tyht
G	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER RIGHT ANGLE SMT 2.54 mm

INTERKON SMT

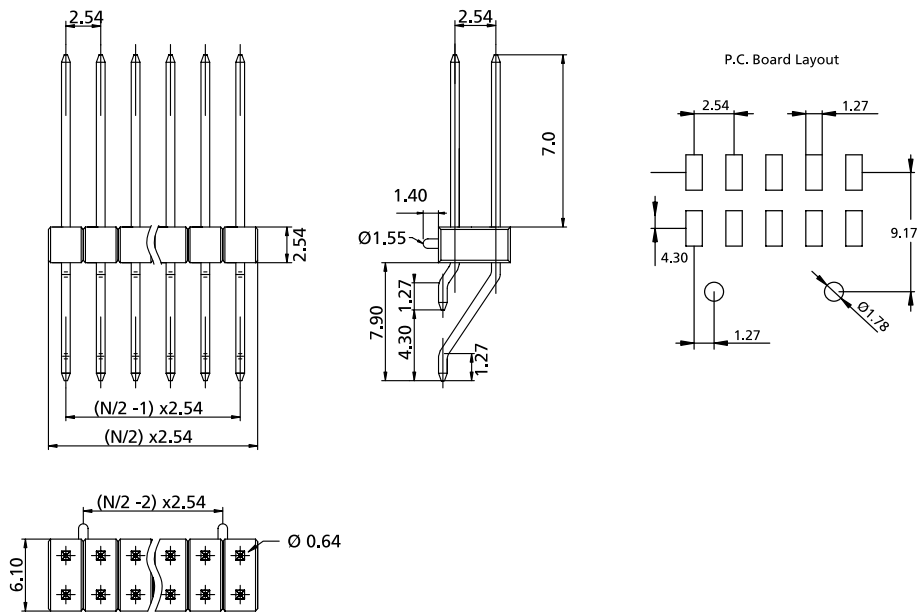


Features	Breakable header Insulator profile 2.5 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 5000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code						
A	B	C	D	E	F	G
673	9812	1	xx	4x	x	-x

D	Number of contacts from 06 to 60
E	Plating 4 Tin 1 Gold flash 0 Gold 7 Selective Gold
F	Locating peg 0 without 1 with
G	Packging T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap

(N= Number
of contacts)



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER DOUBLE BASE SMT 2.54 mm

INTERKON SMT



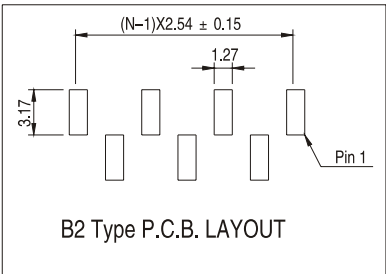
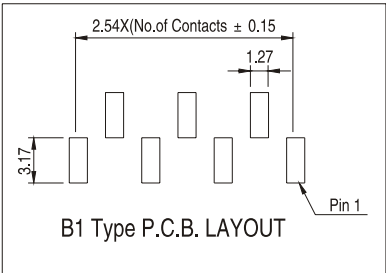
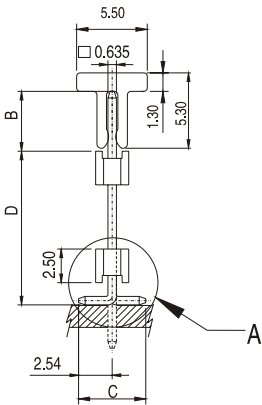
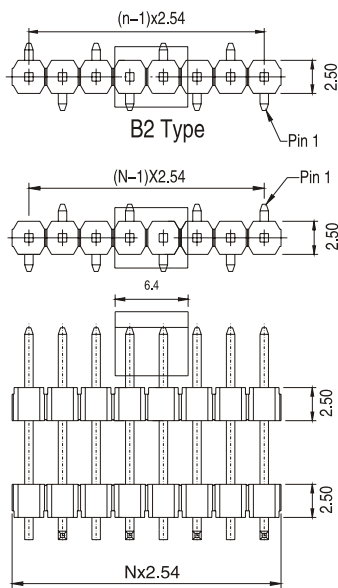
Features	Dual insulated headers Breakable pitch 2.54 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Voltage: 500 V Insulation resistance: 5000 MΩ mini
Mechanical	Temperature rating: -55 °C to 105 °C
Packaging	Tube, box or T&R

BUILD YOUR OWN HEADER:
Choose the A lenght of the standard pin shown in the table below and settle the B,C and D dimensions according to your needs. Then, inform K-C about these main features you require and you will get the complete P/N of the product you need. In order to inform K-C, you can send a copy of this page by fax (+39 0341 265400) completely filling in the hereunder form.

N = Total number of contacts (02÷40)	A ± 0,2	B ± 0,2	C ± 0,2	D ± 0,2	Plating
--------------------------------------	------------	------------	------------	------------	---------

0	Gold plating 0.2µm over Ni 1.27µm
1	Gold plating flash
4	Tin plating 4µm over Ni 1.27µm
7	Selective gold plating 0.2µm over Ni
8	Selective gold plating 0.4µm over Ni
9	Selective gold plating 0.8µm over Ni

B1 Type



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MALE HEADER
MALE HEADER DOUBLE BASE SMT 2.54 mm

INTERKON SMT



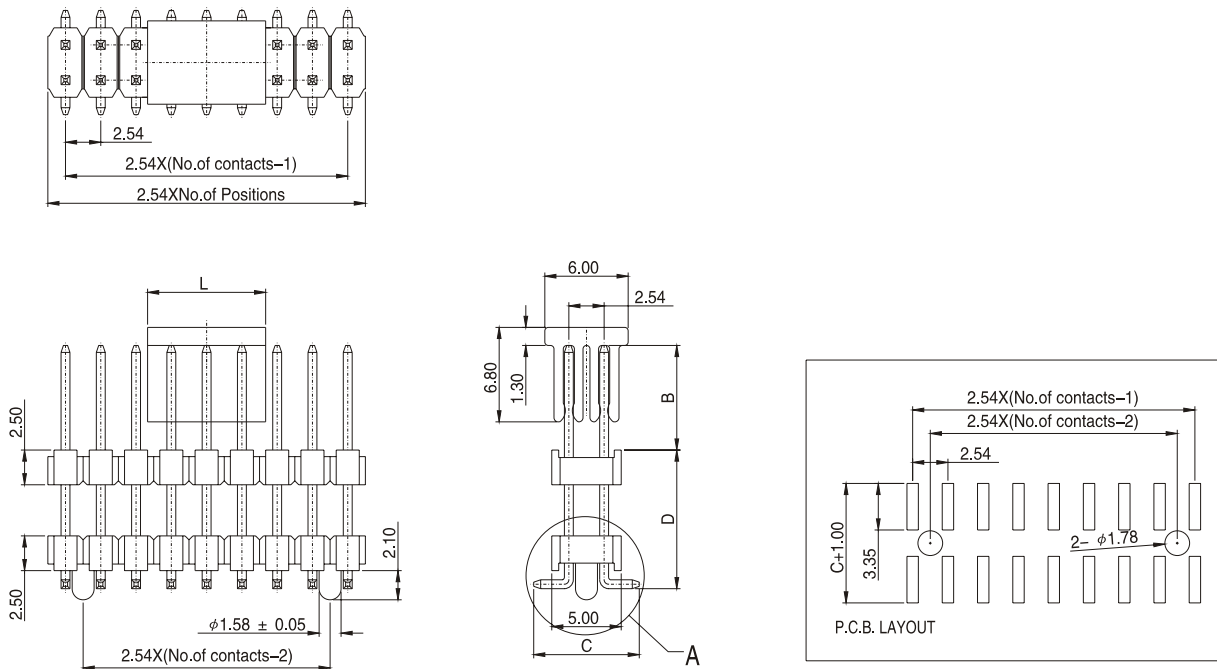
Features	Dual insulated headers Breakable pitch 2.54 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

BUILD YOUR OWN HEADER:
Choose the A lenght of the standard pin shown in the table below and settle the B,C and D dimensions according to your needs. Then, inform K-C about these main features you require and you will get the complete P/N of the product you need. In order to inform K-C, you can send a copy of this page by fax (+39 0341 265400) completely filling in the hereunder form.

N = Total number of contacts (02÷40)	A ± 0,2	B ± 0,2	C ± 0,2	D ± 0,2	Plating
--------------------------------------	------------	------------	------------	------------	---------

--	--	--	--	--	--

0	Gold plating 0.2 µm over Ni 1.27 µm
1	Gold plating flash
4	Tin plating 4 µm over Ni 1.27 µm
7	Selective gold plating 0.2 µm over Ni



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR STRAIGHT 2.54 mm

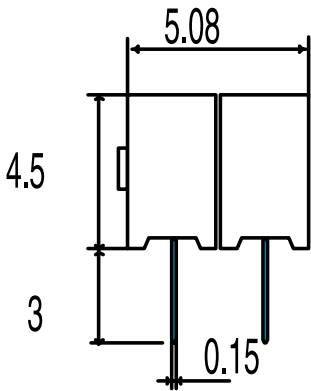
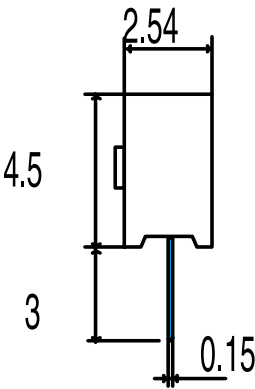
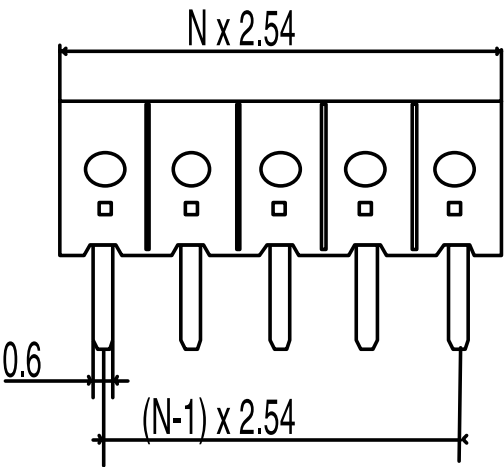
MINICOM



Features	Top entry breakable socket Body height 4.6 mm
Material	Housing: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Plastic tubes (220 contacts per stick)

Product Code				
A	B	C	D	E
477	xxxx	1	xx	4x0

B	Number of row 2845 Single row 3001 Double row
D	Number of contacts from 02 to 25 single row from 04 to 50 double row
E	Plating 0 Selective Gold plating 0.2 μm over Ni 4 Tin 4 μm 9 Selective Gold plating 0.8 μm over Ni



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SOCKET CONNECTOR STRAIGHT 2.54 mm

Body height 5.0 mm

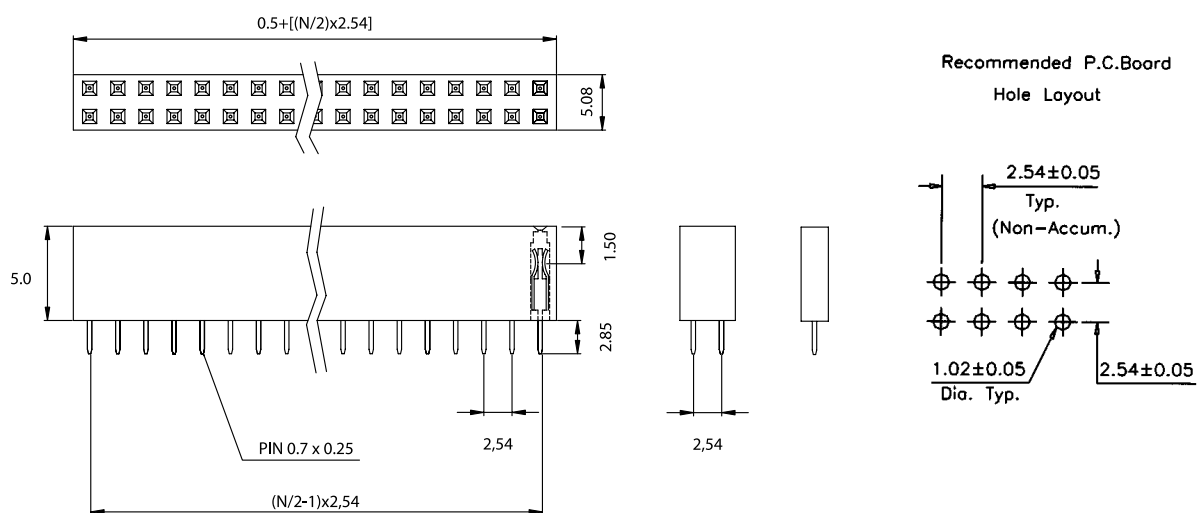
Insulator: PA UL 94V0
Contact: Phosphor bronze

Current rating 3A maxi
Dielectric withstanding: 1000 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 20 mΩ

Temperature rating: -40 °C to 105 °C

A	B	C	D
477	972x	1xx	4x0

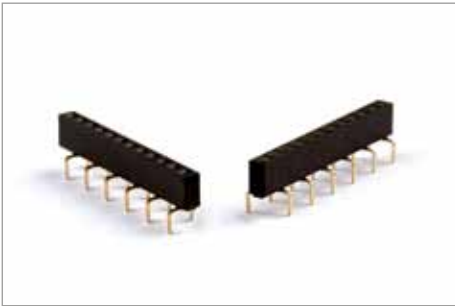
B	Number of row 0 Single row 4 Double row
C	Number of contacts from 03 to 40 single row from 04 to 80
D	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold 6 Selective gold flash 6 Gold 0.75 μm



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 2.54 mm

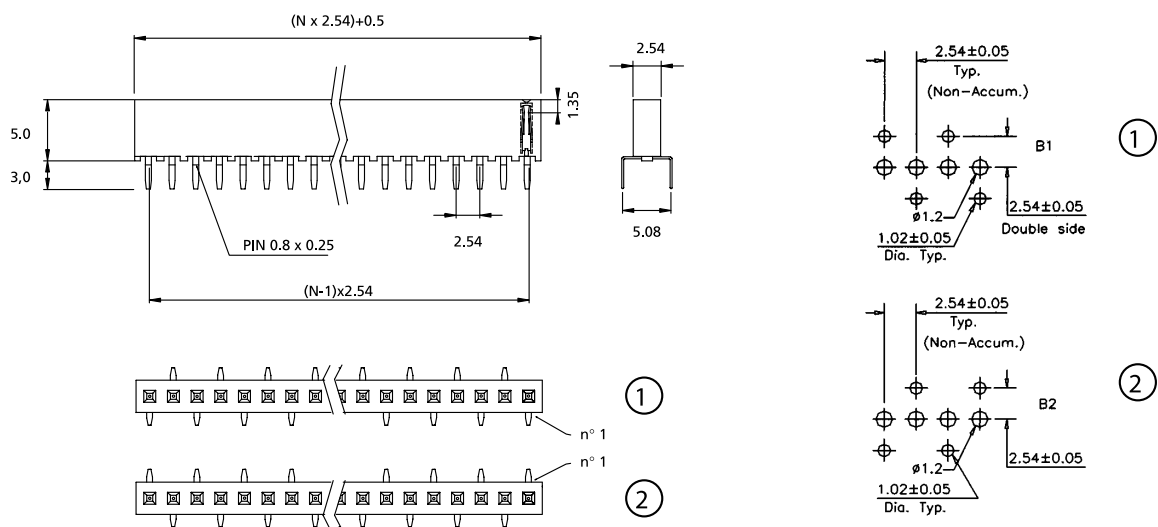
MODUKON



Features	Dual entry body height 5.0 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
477	9721	1xx	4x	x

C	Number of contacts from 03 to 30
D	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold
E	Position of the first pin (see below 1 or 2) 0 all pin on same side



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2.54 mm

MODUKON

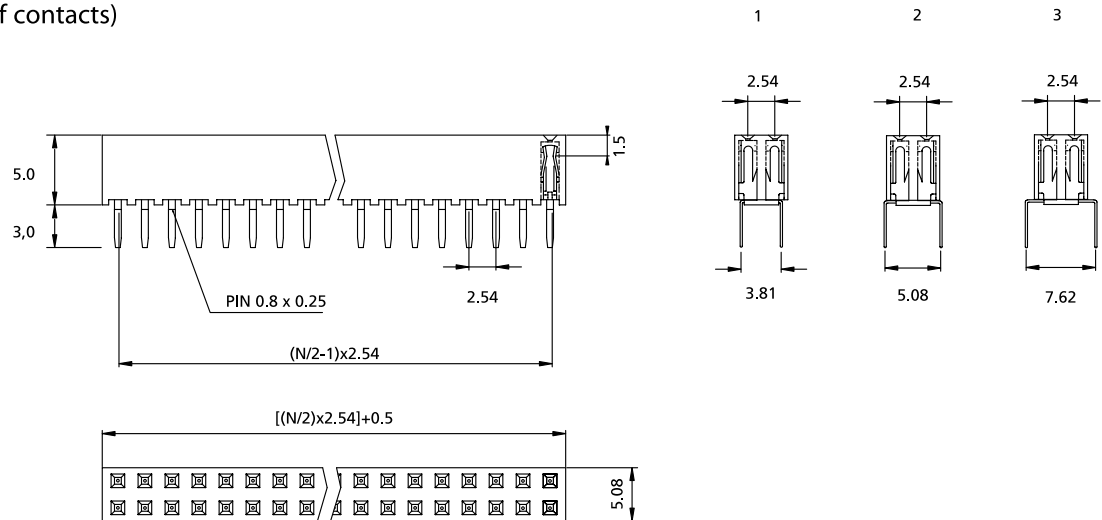


Features	Dual entry socket Body height 5.0 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphore bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code					
A	B	C	D	E	F
477	9725	1	xx	4x	x

D	Number of contacts from 04 to 80
E	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold plating
F	Pitch between rows (type) 1 3.81 mm 2 5.08 mm 3 7.62 mm

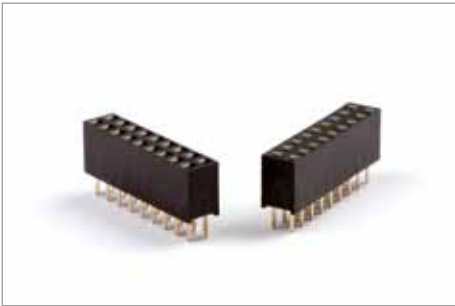
(N= Number
of contacts)



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SOCKET
SOCKET CONNECTOR STRAIGHT 2.54 mm

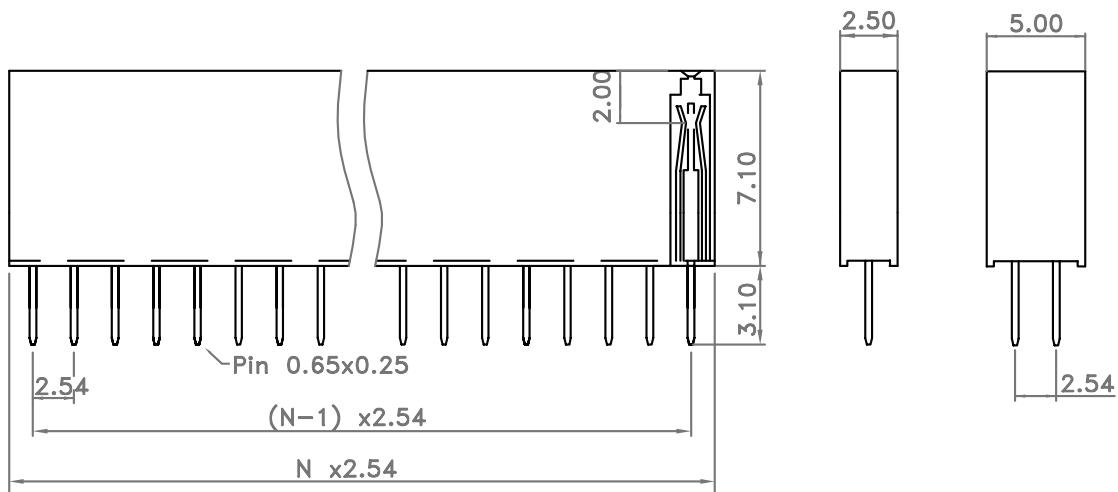
MODUKON



Features	Body height 7.1 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
477	97xx	1	xx	4x0

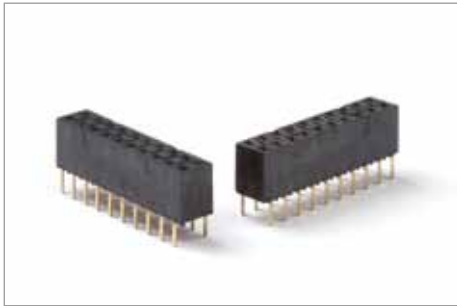
B	Number of row 67 single row 70 double row
C	Number of contacts from 02 to 40 single row from 06 to 80 double row
D	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold 9 Gold 0.75 μm



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2.54 mm

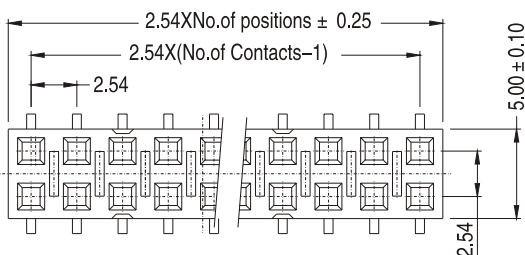
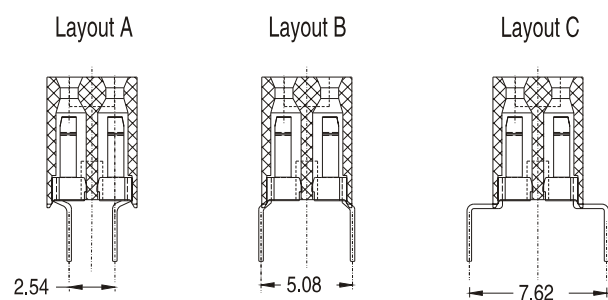
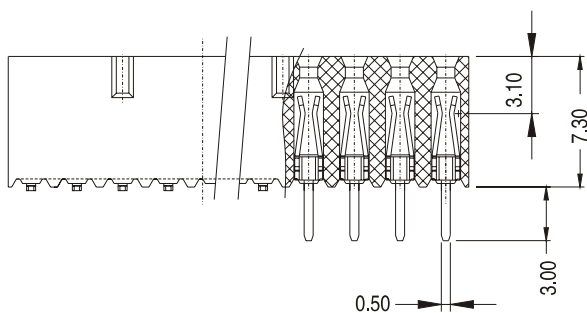
MODUKON



Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	823x	1xx	4x0

B	Layout 1: 2.54 mm 2: 5.08 mm 3: 7.62 mm
C	Number of contacts from 04 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash



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SOCKET
SOCKET CONNECTOR STRAIGHT 2.54 mm

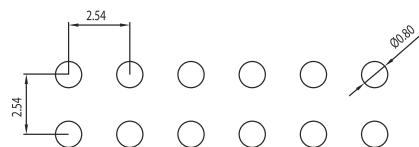
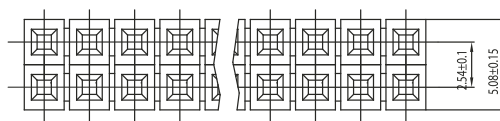
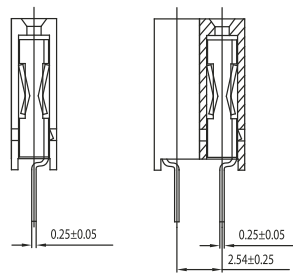
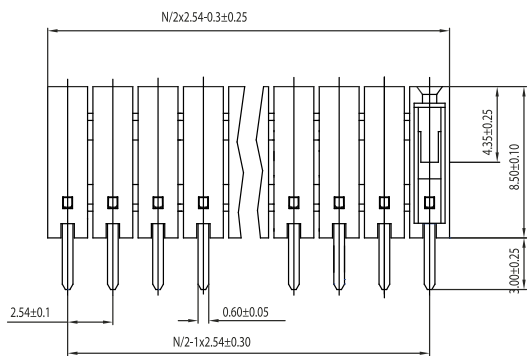
MODUKON



Features	Top entry modular connector Pitch 2.54 mm
Material	Insulator: LCP UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	820x	1xx	4x0

B	Number of row 5 Single row 1 Double row
C	Number of contacts from 02 to 45 single row from 04 to 90 double row
D	Plating 4 Tin 7 Selective Gold over Ni

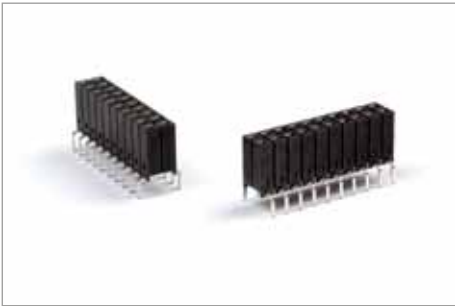


Recommended PCB Layout
(PCB TOLERANCE ±0.05)

“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2.54 mm

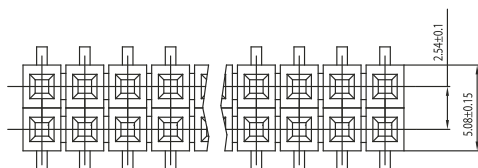
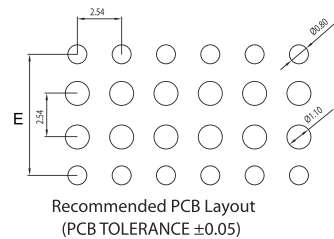
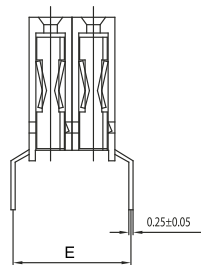
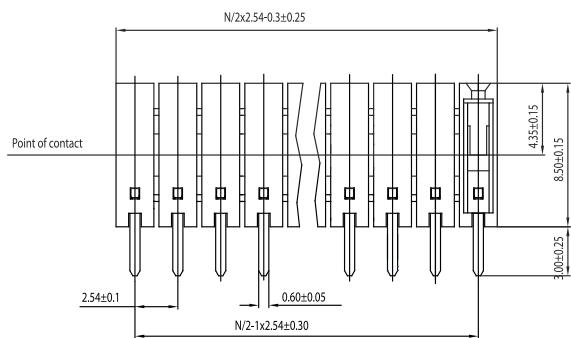
MODUKON



Features	Bottom entry
Material	Insulator: LCP UL 94 V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	820x	1xx	4x0

B	2: E = 5.71 mm 3: E = 6.5 mm 4: E = 7.62 mm
C	Number of contacts from 04 to 90
D	Plating 4 Tin 7 Selective Gold over Ni

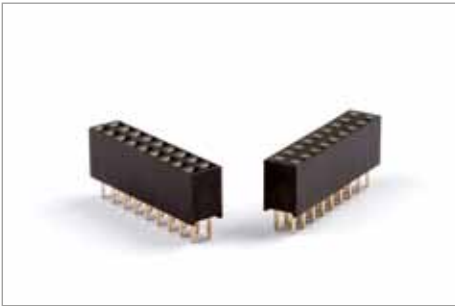


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SOCKET

SOCKET CONNECTOR STRAIGHT SINGLE ROW 2.54 mm

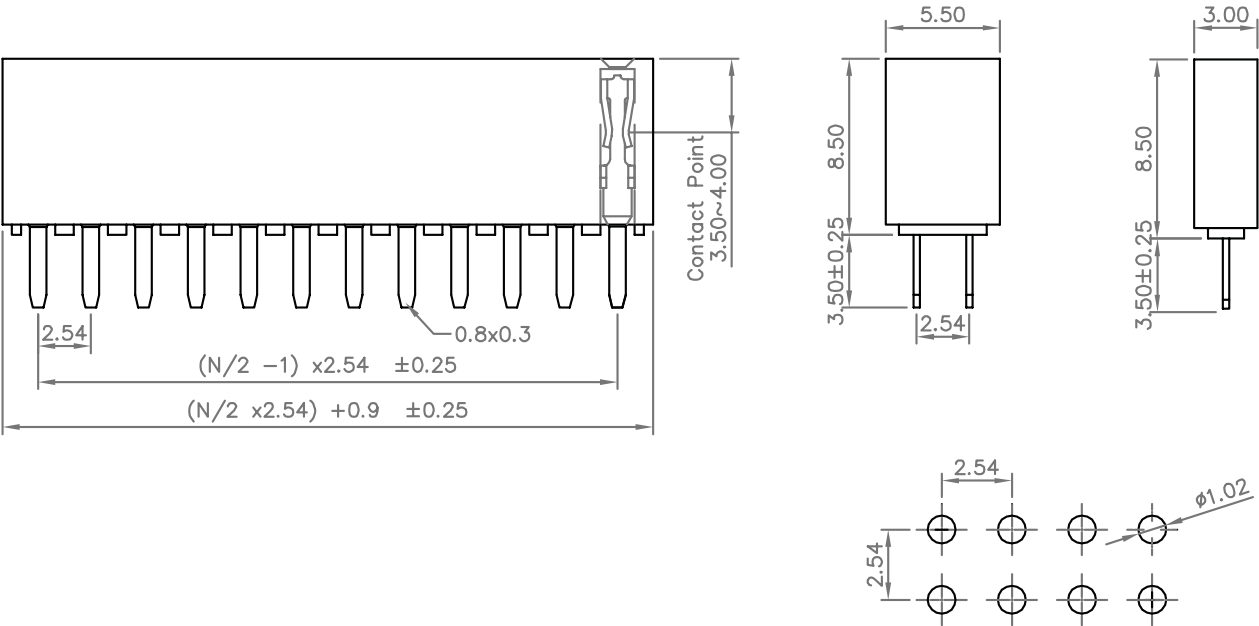
MODUKON



Features	Body height 8.5 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	97xx	1xx	4x0

B	Number of row 26 Single row 68 Double row
C	Number of contacts from 03 to 40 single row from 06 to 80 double row
D	Plating 0 Gold 0.25 µm 1 Gold flash 4 Tin 7 Selective gold



Recommended PCB Layout
(PCB TOLERANCE ±0.05)

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SOCKET

SOCKET CONNECTOR STRAIGHT SINGLE ROW 2.54 mm

MODUKON



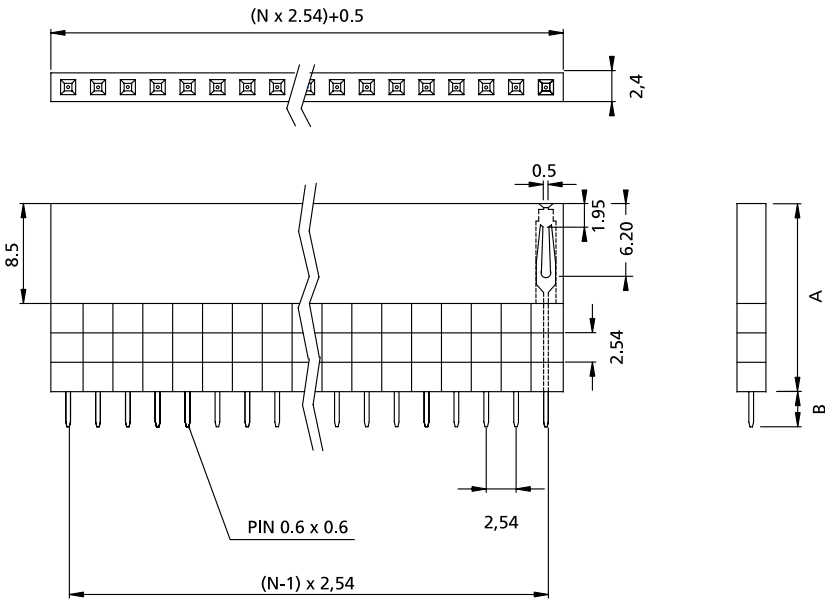
Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code				
A	B	C	D	E
401	9718	1xx	4x	x

x	A	B
1	11.05	2.50
2	11.05	7.35
3	13.59	4.85
4	16.13	2.30
5	11.05	12.20
6	13.59	9.65
7	16.13	7.10
8	18.67	4.60

C	Number of contacts from 02 to 40
D	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold
E	Options for foot lenght and plastic height: see table.

(N= Number of contacts)



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET CONNECTOR STRAIGHT DOUBLE ROW 2.54 mm

Features	Elevated socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code					
A	B	C	D	E	F
477	9723	1	xx	4x	x

D	Number of contacts from 04 to 80
E	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold
F	Options for foot length and plastic height: see table

x	A	B
1	11.00	2.30
2	11.00	7.35
3	13.50	4.85
4	16.10	2.30
5	11.00	12.20
6	13.50	9.65
7	16.10	7.10

Technical drawing of a multi-pin connector showing three views: top, side, and end views.

Top View:

- Overall length: $(N \times 2.54) + 0.5$
- Overall width: 5.0
- Pin pitch: 2.54
- Pin diameter: 0.5
- Pin length: 1.95
- Pin spacing from edge: 0.5

Side View:

- Overall height: 8.5
- Pin pitch: 2.54
- Pin length: 1.95
- Pin diameter: 0.5
- Pin spacing from edge: 0.5

End View:

- Overall width: 5.0
- Pin pitch: 2.54
- Pin length: 1.95
- Pin diameter: 0.5
- Pin spacing from edge: 0.5

Labels:

- PIN 0.6 x 0.6
- $(N-1) \times 2.54$



SOCKET
 SOCKET CONNECTOR STRAIGHT SINGLE ROW 2.54 mm

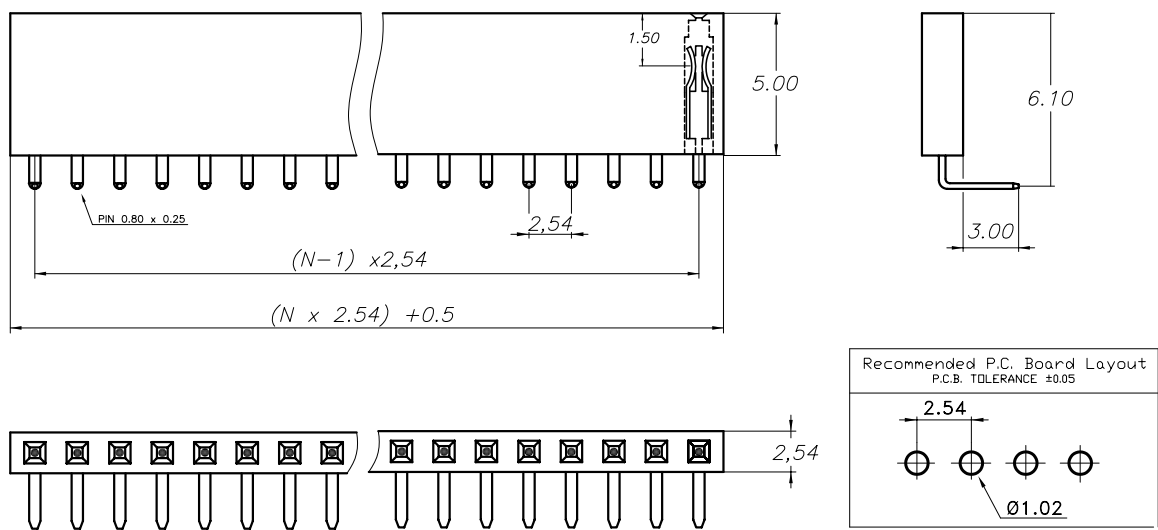
MODUKON



Features	Body height 2.6 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating 3A maxi Dielectric withstanding: 1000 V Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	9719	1xx	4x0

C	Number of contacts from 03 to 40
D	Plating
	0 Gold 0.25 μm
	1 Gold flash
	4 Tin
	7 Selective gold
	6 Selective gold flash
	6 Gold 0.75 μm



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
 SOCKET CONNECTOR RIGHT ANGLE 2.54 mm

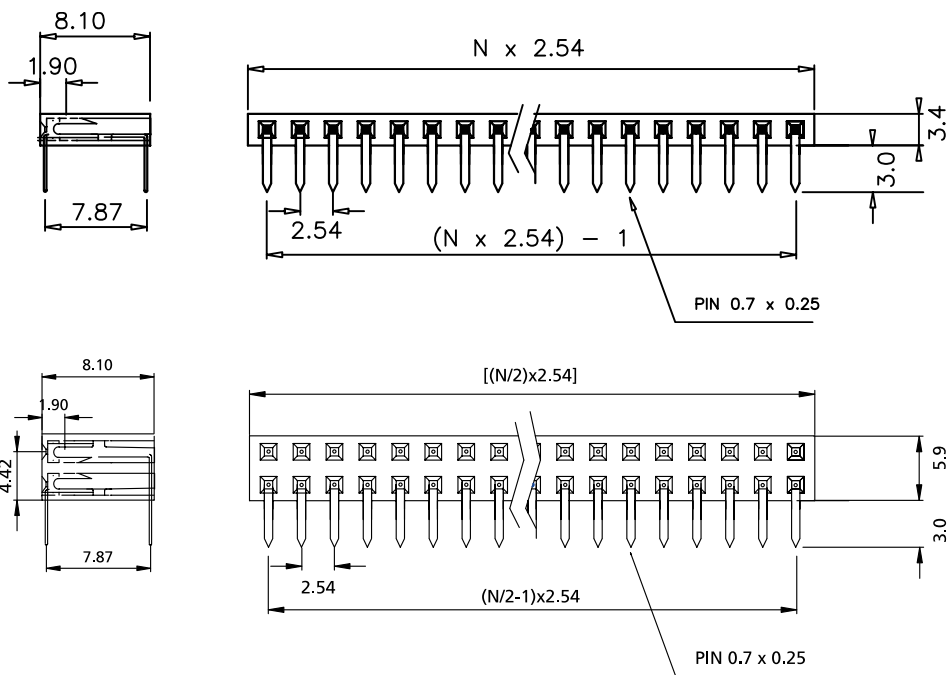
MODUKON



Features	Body height 3.4 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
477	97xx	1xx	4x0

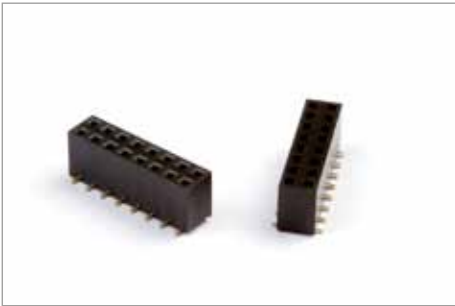
B	Number of row 17 Single row 22 Double row
C	Number of contacts from 02 to 40 single row from 04 to 80 double row
D	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2.54 mm

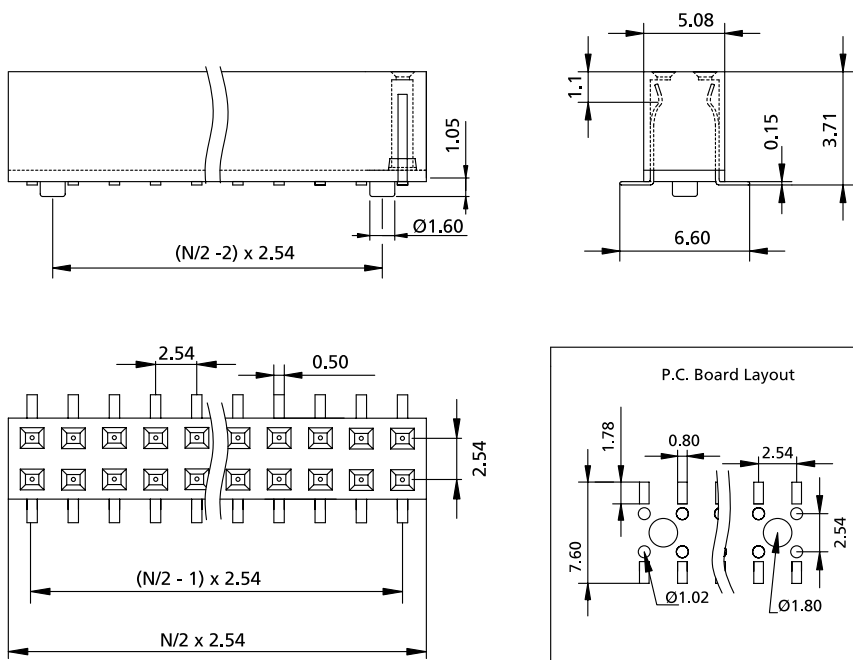
MODUKON SMT



Features	Dual entry socket Body height 3.7 mm
Material	Insulator Material: High temperature thermoplastic Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Tube, box or T&R

Product Code					
A	B	C	D	E	F
677	9797	1xx	4x	x	-x

C	Number of contacts from 04 to 80
D	Plating 0 Gold 0.25 μm 1 Gold flash 4 Tin 7 Selective gold
E	Locating peg 0 without 1 with Only selective gold plating available
T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap	



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 2.54 mm

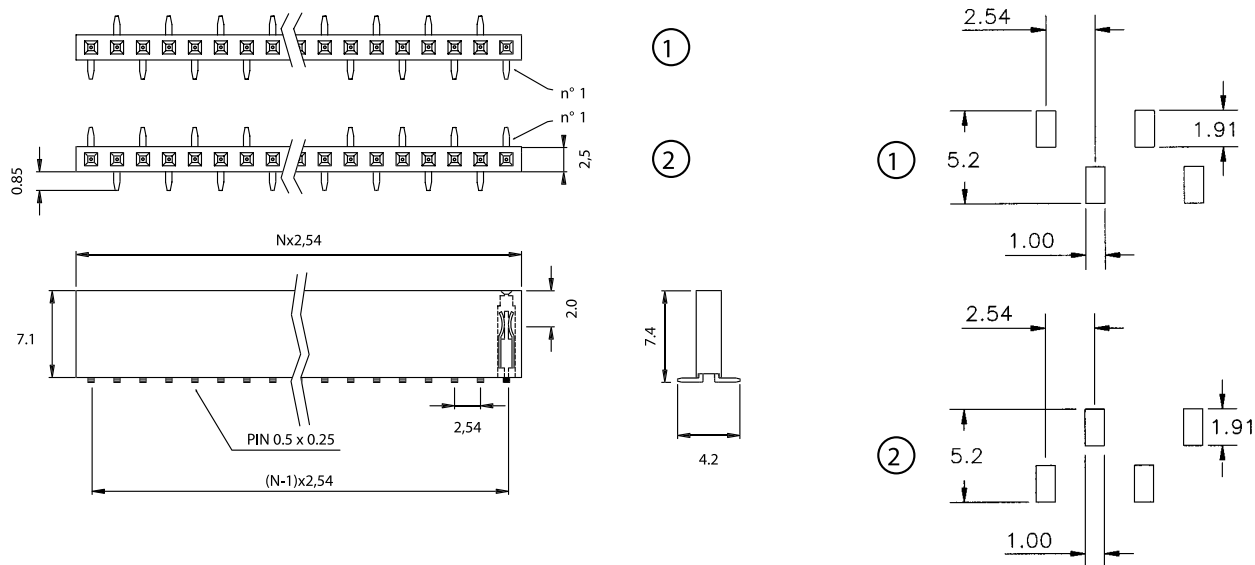
MODUKON SMT



Features	Body height 7.1 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code					
A	B	C	D	E	F
677	9753	1xx	4x	x	-x

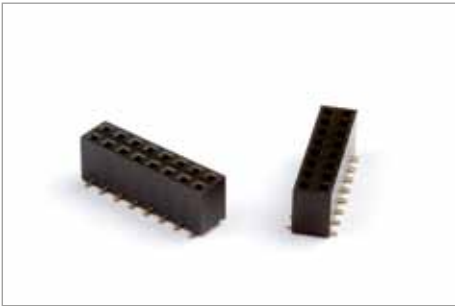
(N= Number
of contacts)



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SOCKET
SOCKET CONNECTOR STRAIGHT DOUBLE ROW SMT 2.54 mm

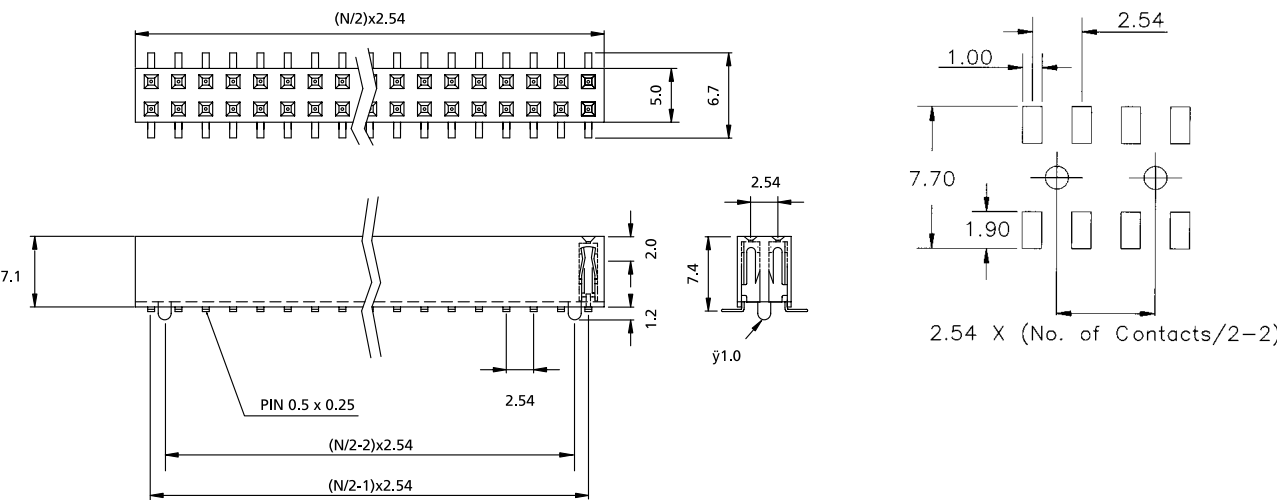
MODUKON SMT



Features	Dual entry socket Body height 7.1 mm
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 3A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code					
A	B	C	D	E	F
677	9754	1xx	4x	x	-x

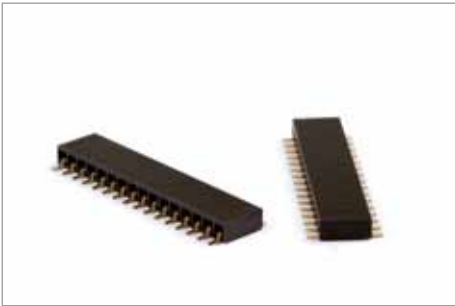
C	Number of contacts from 03 to 40
D	Plating 1 Gold flash 4 Tin 7 Selective gold
E	Alignment pin 0 without 1 with
F	T: tube TC: Tube + Cap R: Tape & Reel RC: Tape & Reel + Cap



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SOCKET
 SOCKET CONNECTOR RIGHT ANGLE SINGLE ROW SMT 2.54 mm

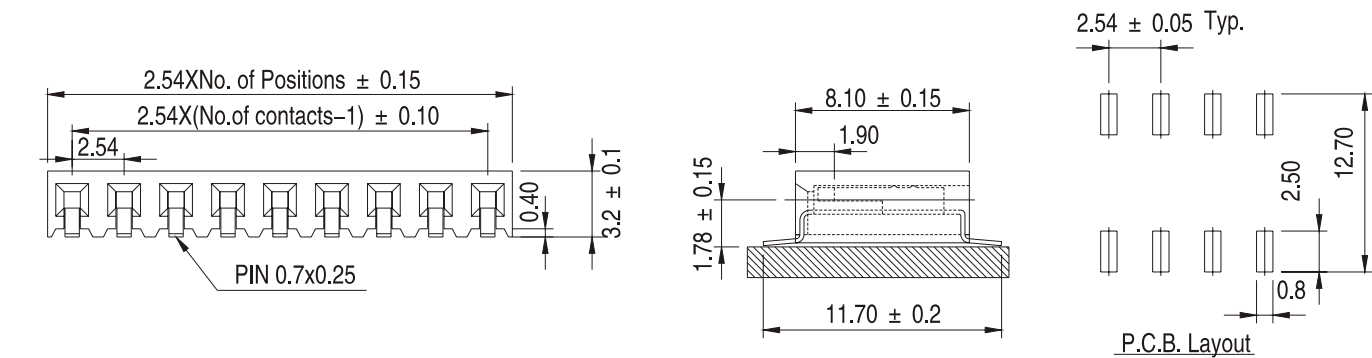
MODUKON SMT



Features	Body height 3.2 mm
Material	Housing: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube, box or T&R

Product Code				
A	B	C	D	E
677	8334	1xx	4x0	-x

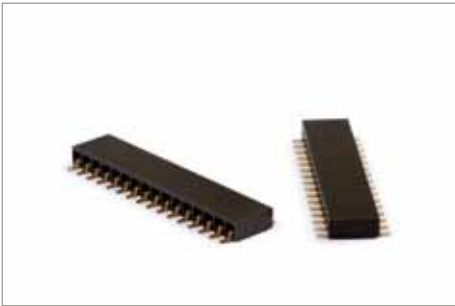
C	Number of contacts from 02 to 40
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
E	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET
SOCKET CONNECTOR RIGHT ANGLE DOUBLE ROW SMT 2.54mm

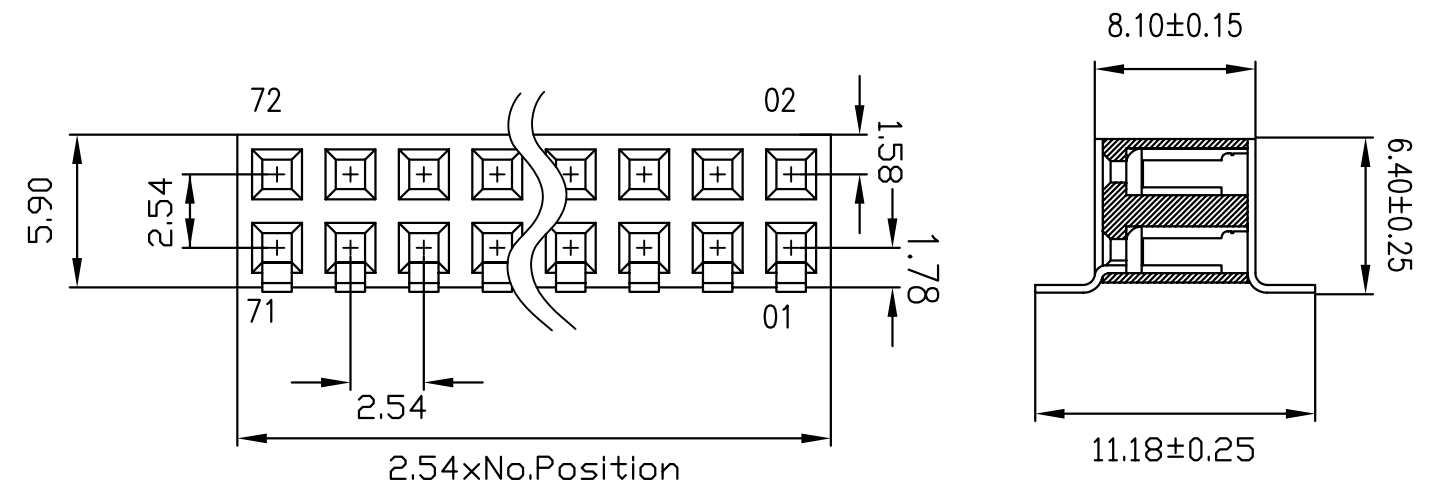
MODUKON SMT



Material	Housing: High temperature thermoplastic UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 105 °C
Packaging	Tube and T&R

Product Code				
A	B	C	D	E
677	8309	1xx	4x0	-x

C	Number of contacts from 06 to 80
D	Plating 1 Gold flash 4 Tin 6 Selective gold flash
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



JUMPERS
JUMPERS 2.54 mm

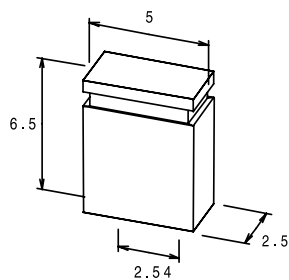
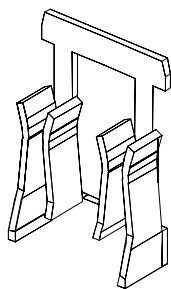
INSULATED JUMPERS



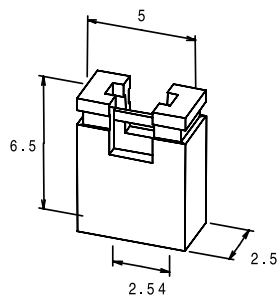
Features	Colour Coded
Material	Housing: Polyester GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code				
A	B	C	D	E
313	xxxx	000	4x	x

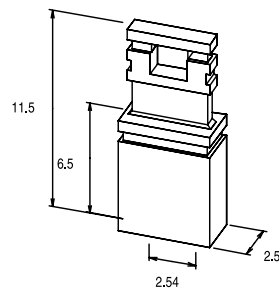
B	1730 Closed jumper 1731 Open jumper 2274 Tabs jumper
D	Plating 0 Selective Gold plating 0.2 µm over Ni 1.27 µm 4 Tin plating 4 µm over Ni 1.27 µm Other plating upon request.
E	Colour 0 Black 2 Red 6 Blue



31317300004xx



31317310004xx

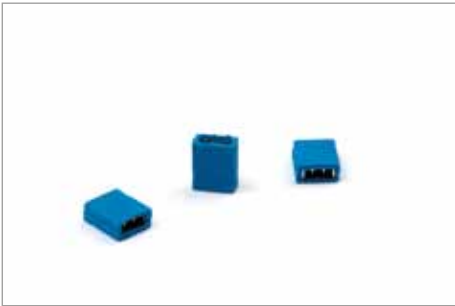


31322740004xx

“Due to technical progress, all design, specification and components are subject to change without notice”.

JUMPERS
JUMPERS 2.54 mm

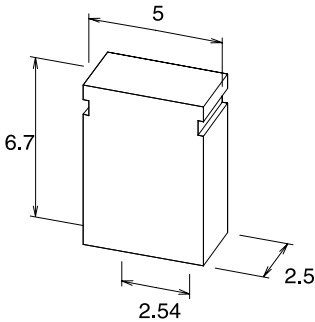
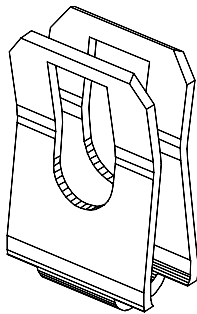
INSULATED JUMPERS



Features	Colour Coded
Material	Housing: Polyester GF UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ max
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code				
A	B	C	D	E
313	0946	000	4 0	x

B	0946 Closed jumper
D	Plating 0 Selective Gold plating 0.8 µm over Ni 1.27 µm
E	Colour 0 Black 2 Red 6 Blue



31309460004xx

JUMPERS
JUMPERS 2.54 mm

INSULATED JUMPERS

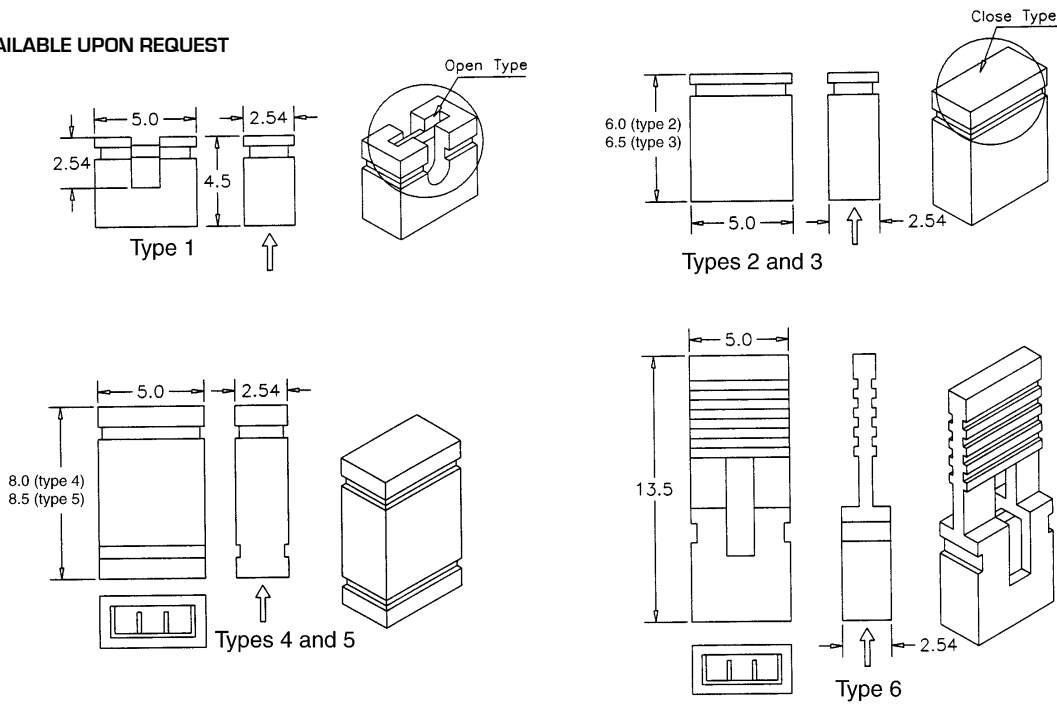


Material	Insulator: Black polyester PBT UL 94V0 Contact: Copper alloy Plating: Gold flash
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 105 °C

Product Code			
A	B	C	D
313	976x	000	41x

B	Type
	1 Height 4.5mm open type
	2 Height 6.0mm open type
	3 Height 6.5mm close type
	4 Height 8.0mm open type
	5 Height 8.5mm close type
	6 Height 13.5mm open type
D	Color
	0 Black (all types)
	2 Red (types 1,2,3 and 6)
	4 Yellow (types 1,2,3 and 6)
	5 Green (types 2 and 3)
	6 Blue (types 1,2,3 and 6)
	9 White (all types)

DRAWING AVAILABLE UPON REQUEST



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JUMPERS
JUMPERS 2.54 mm

INSULATED JUMPERS

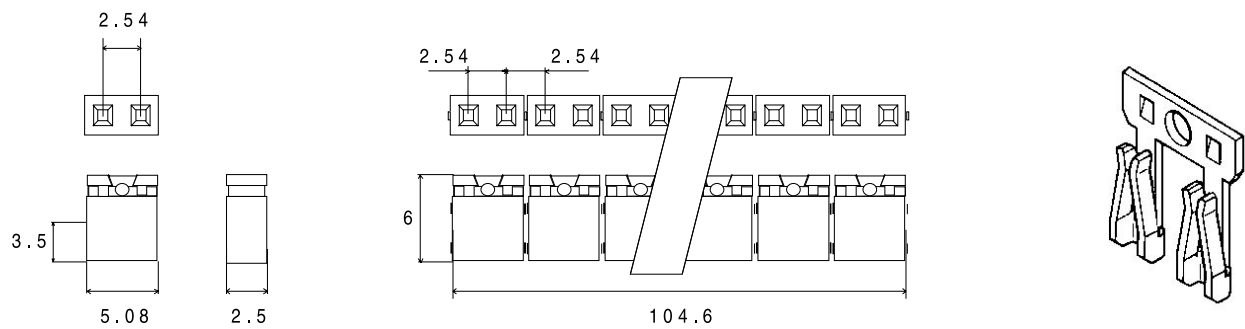


Features	Quick and easy handling in strips Highly reliable twin leaf contact Easy insertion: tapered entry
Material	Housing: Black Glass filled polyester UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ Maxi Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Plastic tubes or cardboard boxes

Product Code					
A	B	C	D	E	F
313	2512	0xx	4	x	x

C	Packaging 01 by Units in box 20 In strips of 20 shunts
E	Plating 4 *Tin plating 4 µm over Ni 1.27 µm 7 Selective Gold plating 0.2 µm over Ni 8 Selective Gold plating 0.4 µm over Ni 9 Selective Gold plating 0.8 µm over Ni
F	Colour 0 Black 2 Red 6 Blue

(N= Number
of contacts)



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JUMPERS
JUMPERS 2.54 mm

INSULATED JUMPERS

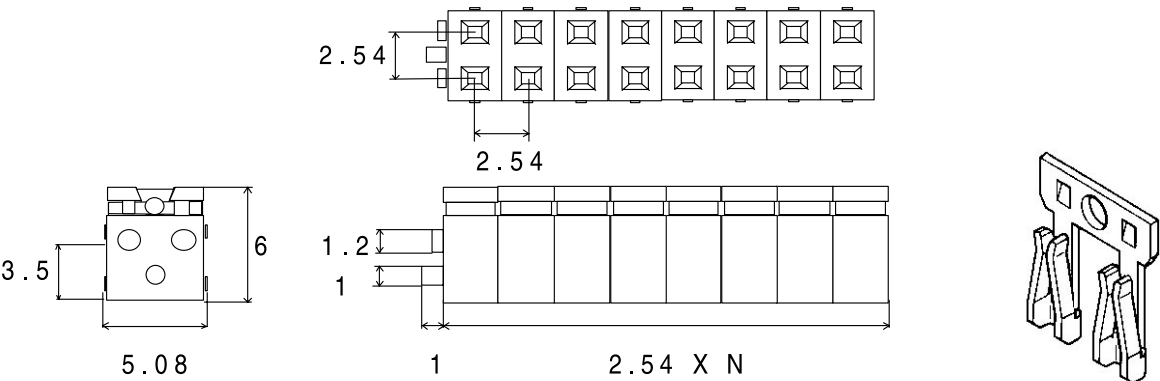


Features	Quick and easy handling in strips Highly reliable twin leaf contact Easy insertion: tapered entry
Material	Housing: Black Glass filled polyester UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ Maxi Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Plastic tubes or cardboard boxes

Product Code				
A	B	C	D	E
313	2769	0xx	4x	x

C	Number of positions from 02 to 10
D	Plating 4 *Tin plating 4 µm over Ni 1.27 µm 7 Selective Gold plating 0.2 µm over Ni 1.27 µm 9 0.8 µm over Ni 1.27 µm
E	Colour 0 Black 2 Red 6 Blue

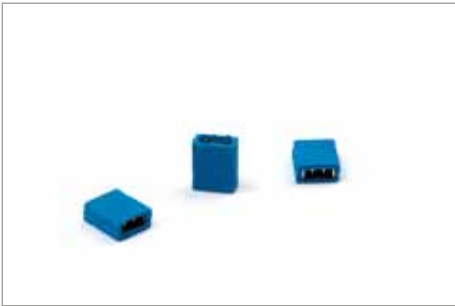
(N= Number
of contacts)



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JUMPERS
JUMPERS 5.08 mm

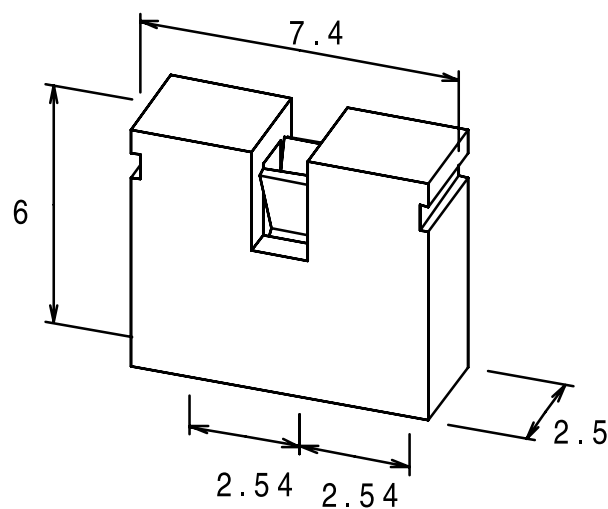
INSULATED JUMPERS



Features	Pitch 5.08 mm Colour Coded
Material	Insulator: Polyester GF UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 3A maxi Dielectric withstanding: 500 V AC Contact resistance: 20 mΩ Maxi Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code					
A	B	C	D	E	F
313	1493	000	4	x	8

C	Plating 0 Selective 0.35 µm over Nickel 1.27 µm 3 Tin 5 µm over Ni 1.27 µm Glass filled Polyester UL 94 V1 grey
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BOARD TO BOARD CONNECTION

PITCH 3.96 mm

Note:

PLATING standard version

Gold 0.25 μm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT 3.96 mm

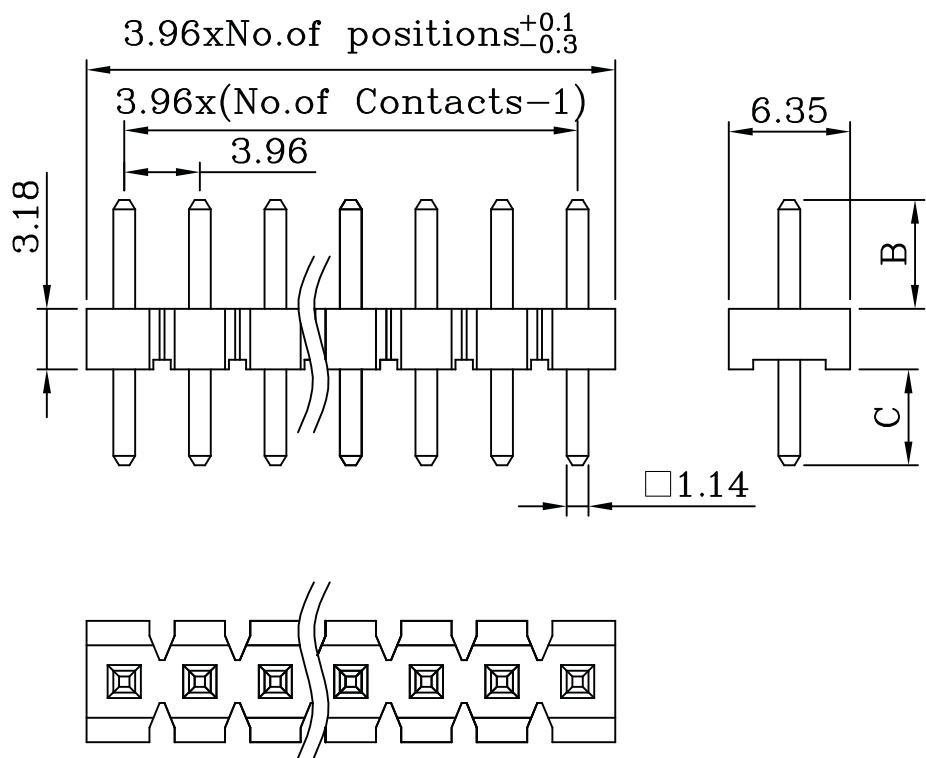
INTERCOM



Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30° C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C

Product Code			
A	B	C	D
471	822x	8xx	4x0

B	1: B=11.43mm C=4.44mm 2: B=12.70mm C=4.44mm
C	Number of contacts from 02 to 24
D	1 Gold flash 4 Tin



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER RIGHT ANGLE 3.96 mm

INTERCOM



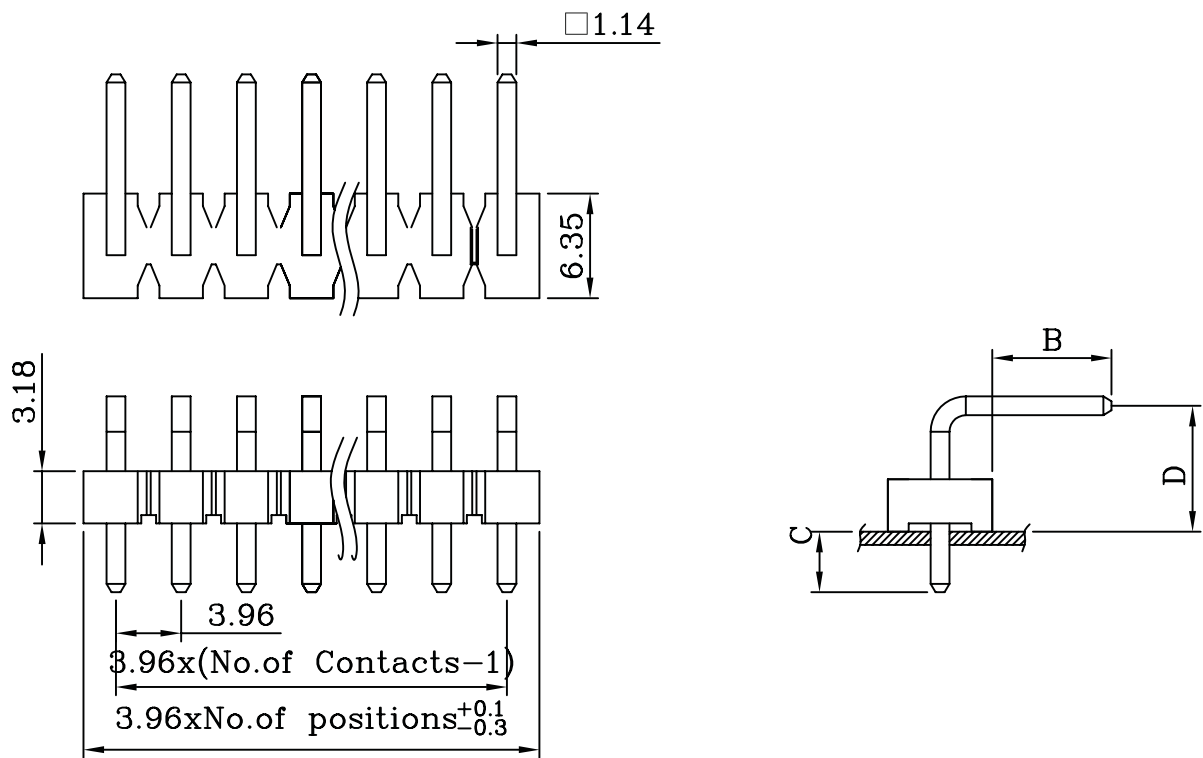
Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C

Product Code			
A	B	C	D
472	820x	8xx	4x0

B	5: B=11.43mm C=3.81mm D=6.29mm 6: B=12.70mm C=3.81mm D=7.56mm
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C	Number of contacts from 02 to 24
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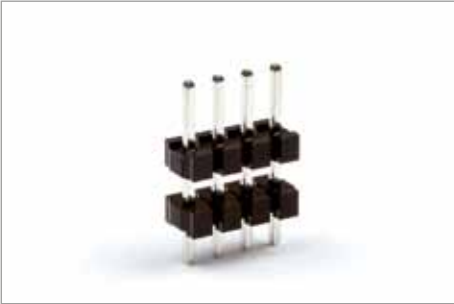
D	1 Gold flash 4 Tin
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MALE HEADER
MALE HEADER DOUBLE BASE 3.96 mm

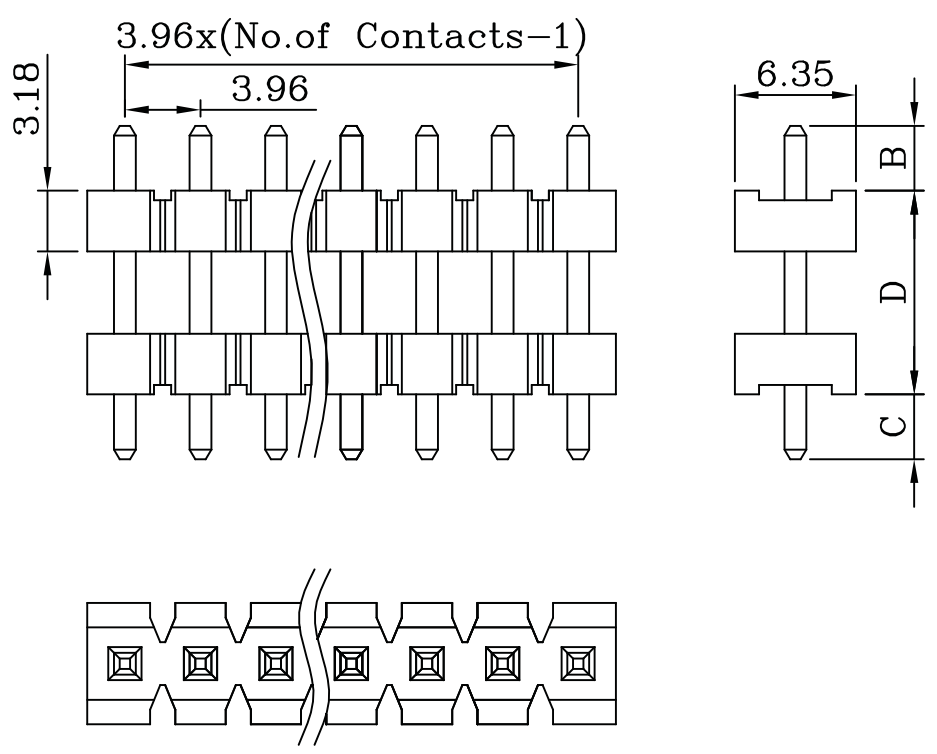
INTERCOM



Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30 °C temperature rise Dielectric withstanding: 500V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C

Product Code			
A	B	C	D
468	821x	8xx	4x0

B	7: B=11.43 mm C=4.44mm D=8.35 mm 8: B=12.70 mm C=4.44mm D=8.35 mm
C	Number of contacts from 02 to 24
D	1 Gold flash 4 Tin



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MALE HEADER
MALE HEADER STRAIGHT SMT 3.96 mm

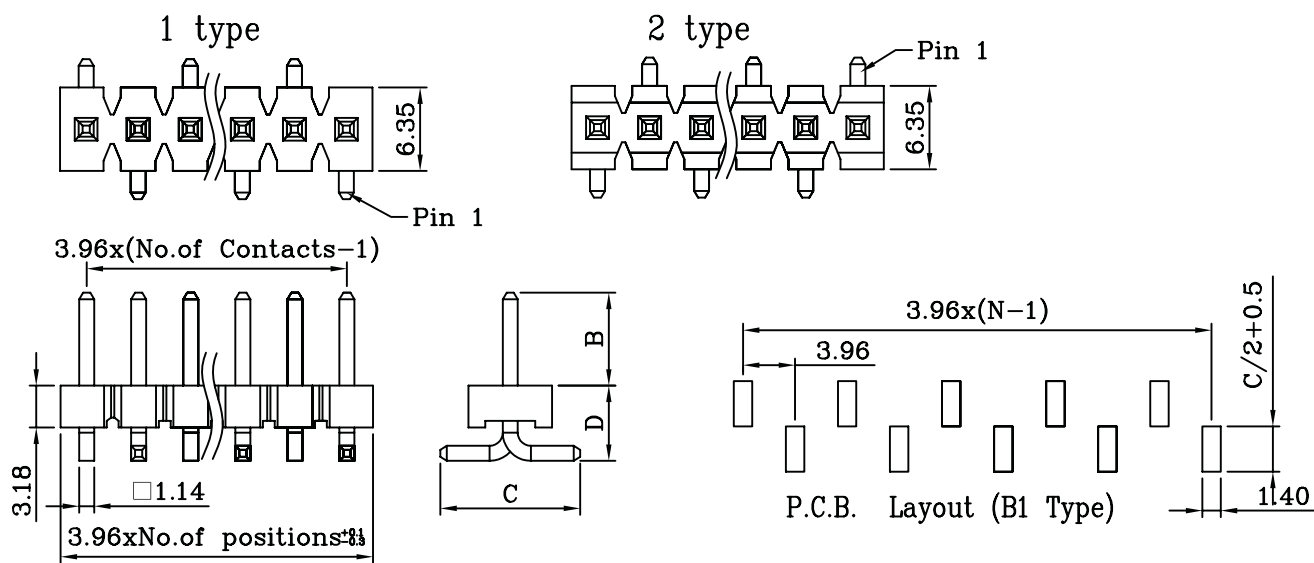
INTERCOM SMT



Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30 °C temperature rise Dielectric withstanding: 500V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code					
A	B	C	D	E	F
671	821x	8xx	4x	x	-x

B	3: B=3.81mm C=8.39 mm 4: B=12.7mm C=8.39 mm
C	Number of contacts from 01 to 24
D	1 Gold flash 4 Tin
E	Position of the first pin 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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MALE HEADER
MALE HEADER DOUBLE BASE 3.96 mm

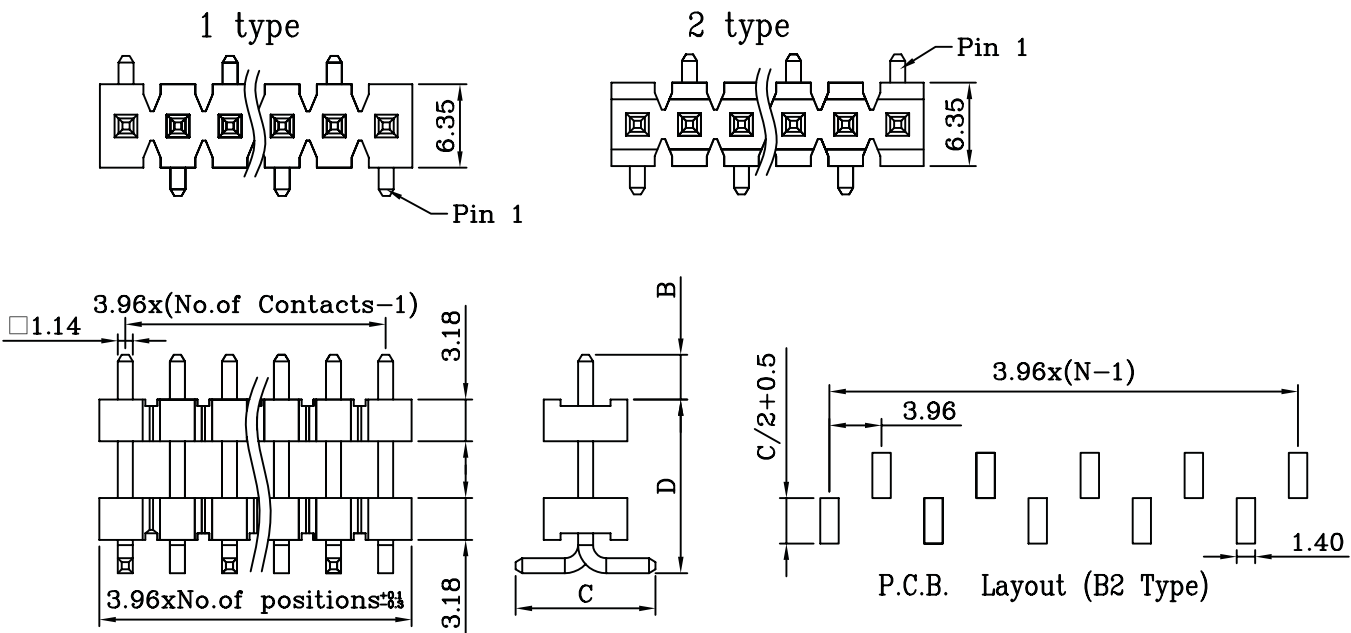
INTERCOM SMT



Features	Pitch 3.96 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 8.2 A maxi 30 °C temperature rise Dielectric withstanding: 500V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code					
A	B	C	D	E	F
668	821x	8xx	4x	x	-x

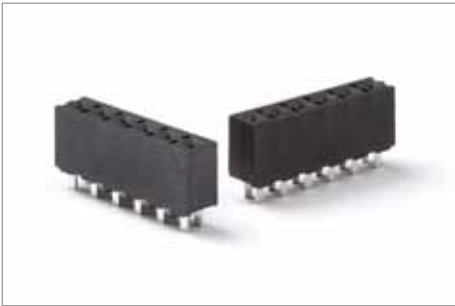
B	1: B=3.81 mm C=8.39 mm D=9.5 mm 2: B=12.7 mm C=8.39 mm D=9.5 mm
C	Number of contacts from 01 to 24
D	1 Gold flash 4 Tin
E	Position of the first pin 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 3.96 mm

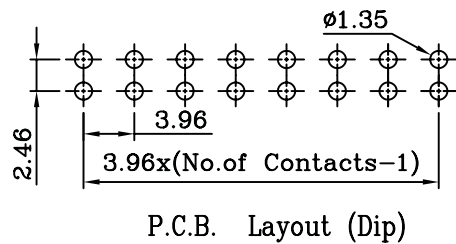
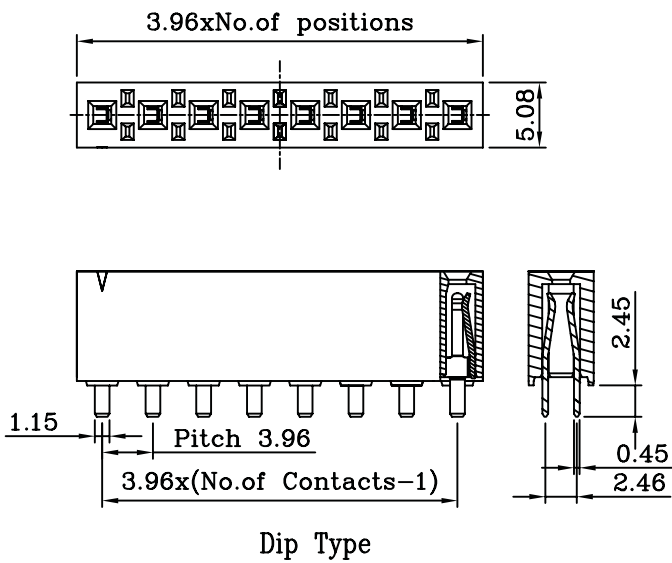
INTERCOM



Features	Pitch 3.96 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper Alloy
Electrical	Current rating: 8.2 A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code			
A	B	C	D
477	8219	8xx	4x0

B	Number of contacts from 02 to 24
C	1 Gold flash 4 Tin



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MALE HEADER
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 3.96 mm

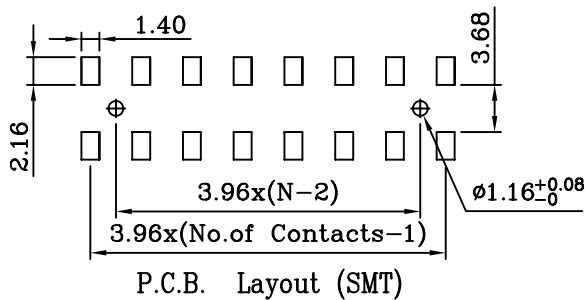
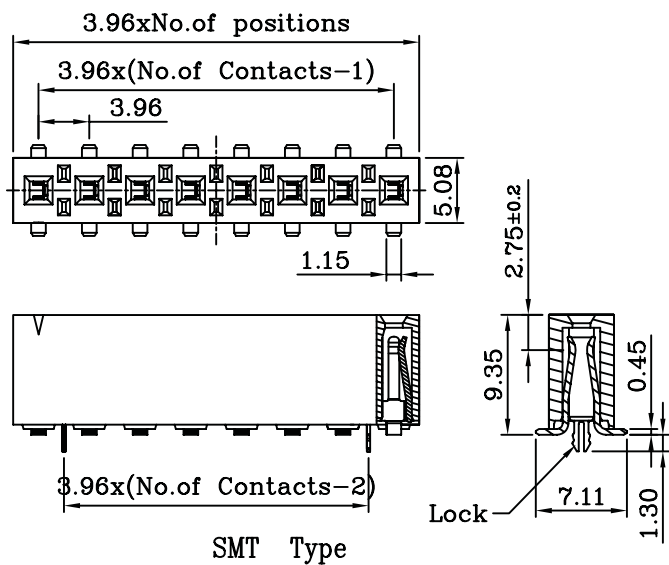
INTERCOM SMT



Features	Pitch 3.96 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper Alloy
Electrical	Current rating: 8.2 A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code					
A	B	C	D	E	F
677	8222	8xx	4x	x	-x

C	Number of contacts from 02 to 24
D	1 Gold flash 4 Tin
E	0: Without locking peg 1: With locking peg
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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BOARD TO BOARD CONNECTION

PITCH 5.08 mm

Note:

PLATING standard version

Gold 0.25 μm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

MALE HEADER
MALE HEADER STRAIGHT 5.08 mm

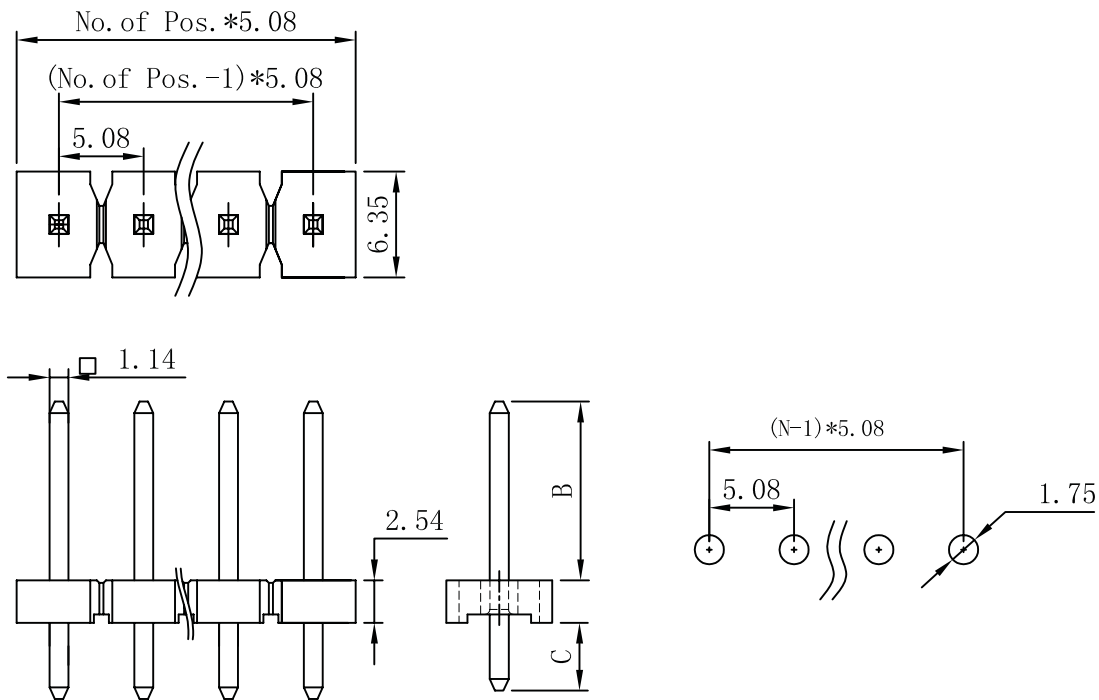
INTERCOM



Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code			
A	B	C	D
471	824x	2xx	4x0

B	1: B=11.94mm C=4.57 2: B=13.21mm C=4.57
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin



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MALE HEADER
MALE HEADER STRAIGHT 5.08 mm

INTERCOM

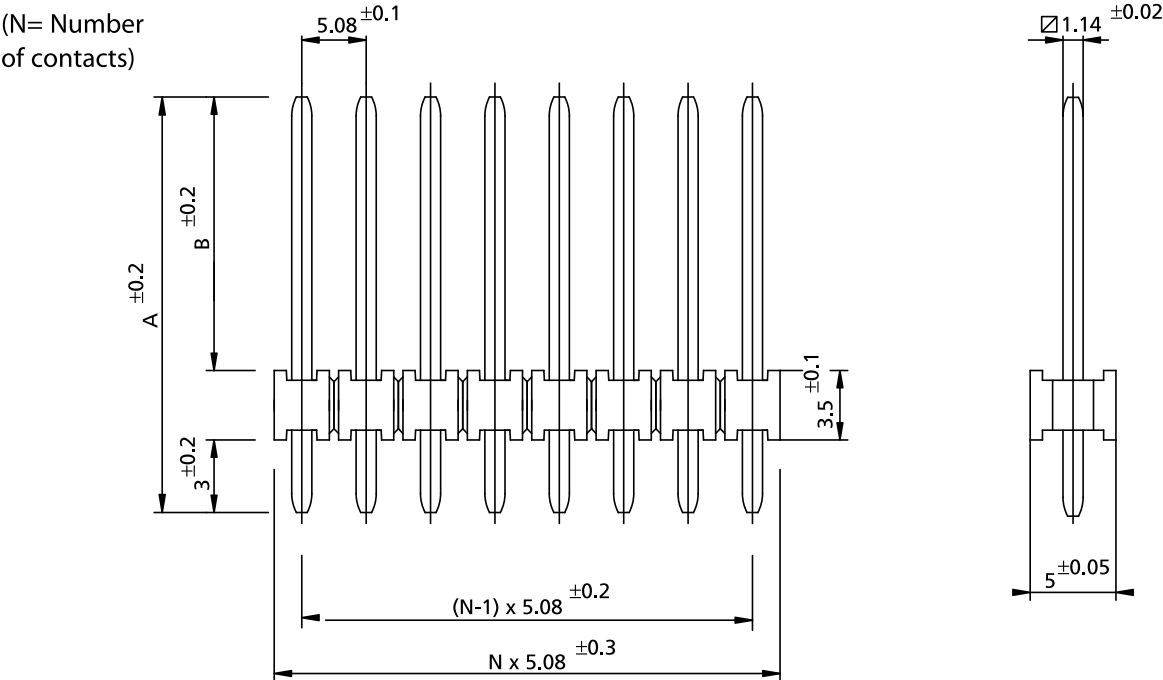


Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 6 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Box

Product Code			
A	B	C	D
471	0xxx	2xx	4x0

L pin	B	Connector code
16.5	10.00	2420
17.2	10.70	0002
19.5	12.55	0003
23	16.50	0004
28.5	22.00	0005
30.4	23.90	2421
40	33.50	0007

B	Version (see table)
C	Plating 0 Gold 0.2 μm over Ni 1.27 μm 4 Tin 4 μm over Ni 1.27 μm Other platings on demand



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MALE HEADER
MALE HEADER RIGHT ANGLE 5.08 mm

INTERCOM

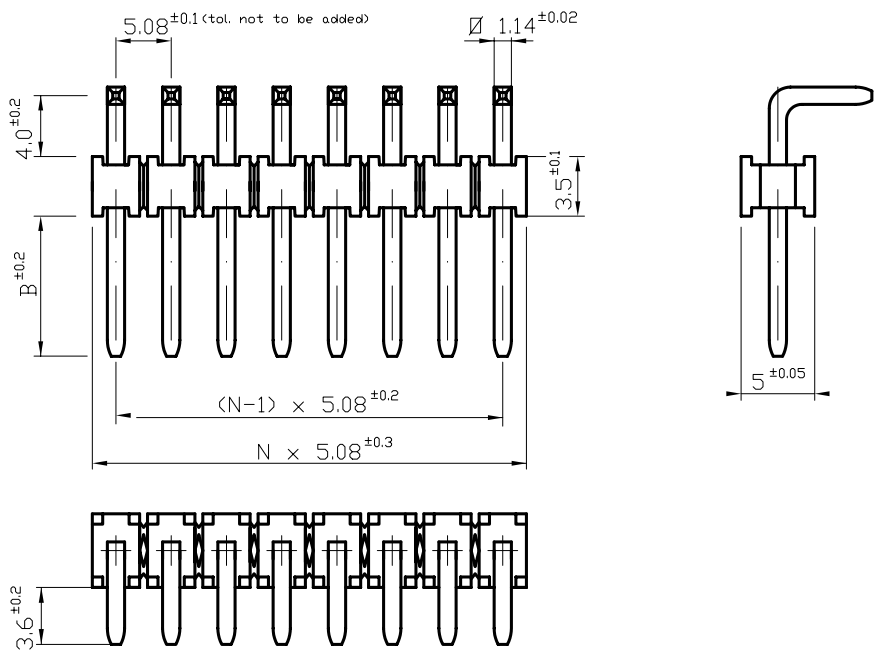


Features	Breakable header
Material	Insulator: Black glass filled polyester UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 6 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Box

Product Code				
A	B	C	D	E
472	xxxx	2	xx	4x0

L pin	B	Connector code
16.5	3.80	0001
17.2	4.50	0002
19.5	6.35	0003
23	10.30	0004
28.5	15.80	0005
30.4	17.70	0006
40	27.30	0007

B	Version (see table)
D	Number of contacts per strip from 02 to 14
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm Other platings on demand



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MALE HEADER
MALE HEADER RIGHT ANGLE 5.08 mm

INTERCOM



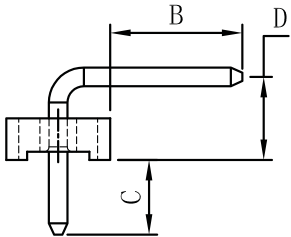
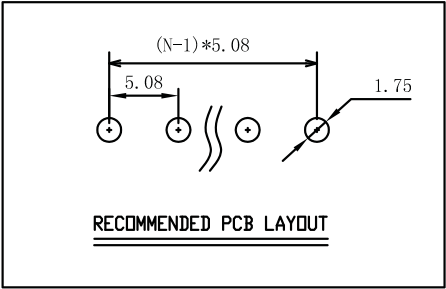
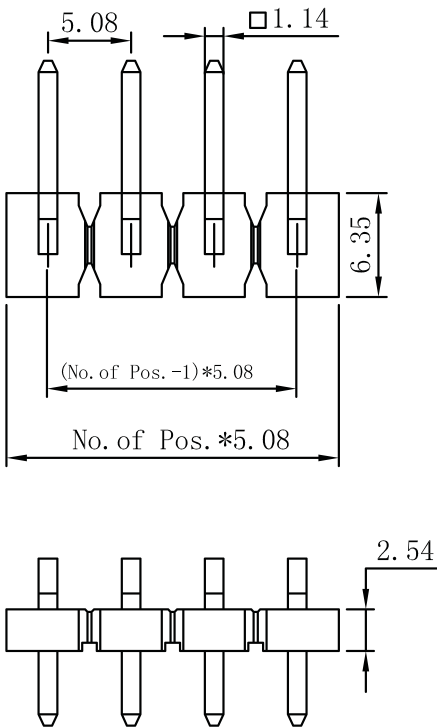
Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C

Product Code			
A	B	C	D
472	82xx	2xx	4x0

B	32: B=8.08 mm C=4.57 mm D=7.62 mm 33: B=13.82 mm C=3.96 mm D=7.62 mm
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C	Number of contacts from 01 to 20
---	----------------------------------

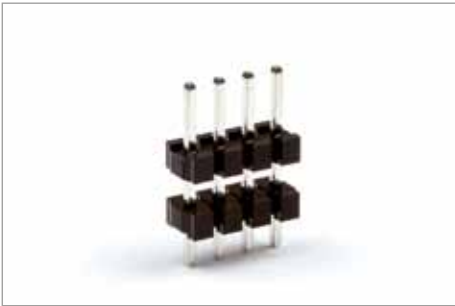
D	1 Gold flash 4 Tin
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MALE HEADER
MALE HEADER DOUBLE BASE 5.08 mm

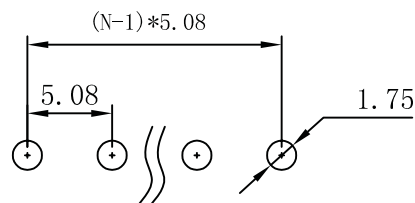
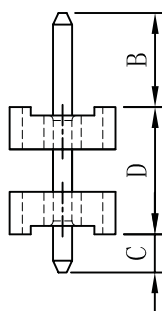
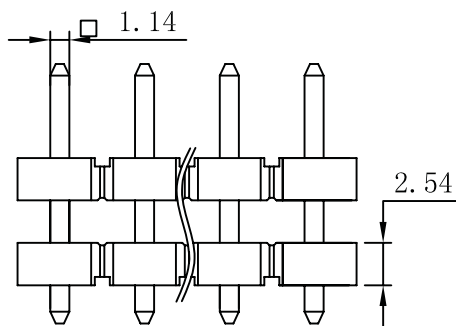
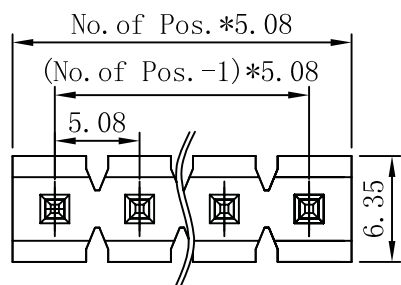
INTERCOM



Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code			
A	B	C	D
468	8231	2xx	4x0

B	B= 6.86 mm C=2.29 mm D=7.62 mm
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin



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MALE HEADER
MALE HEADER STRAIGHT SMT 5.08 mm

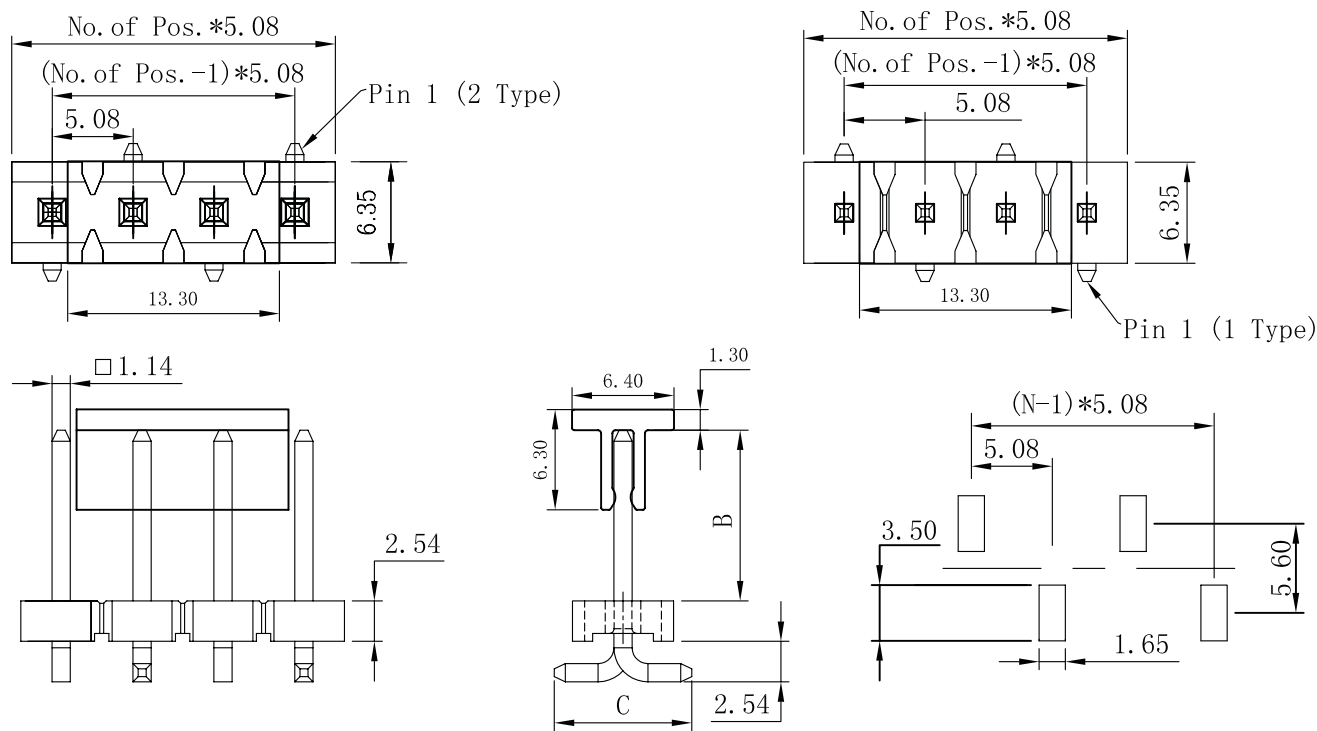
INTERCOM SMT



Features	Pitch 5.08 mm pin 1.14 mm Breakable header
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code					
A	B	C	D	E	F
671	82xx	2xx	4x	x	-x

B	34: B=10.72 mm C=8.68 mm 35: B=12.24 mm C=8.38 mm
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin
E	Position of the first pin 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



“Due to technical progress, all design, specification and components are subject to change without notice”.

MALE HEADER
MALE HEADER DOUBLE BASE SMT 5.08 mm

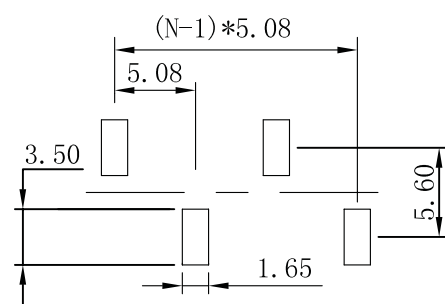
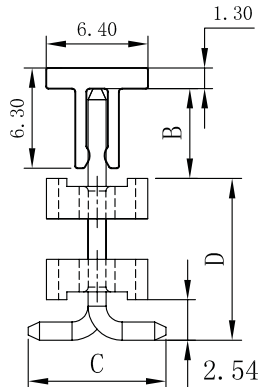
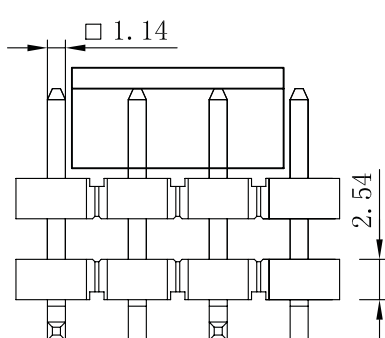
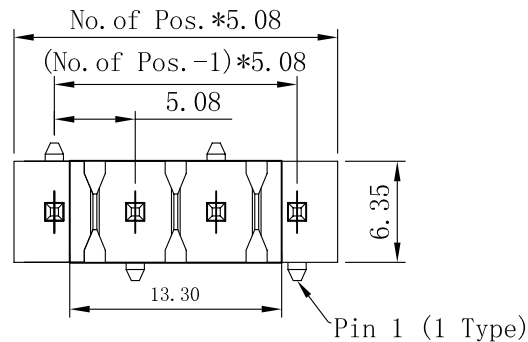
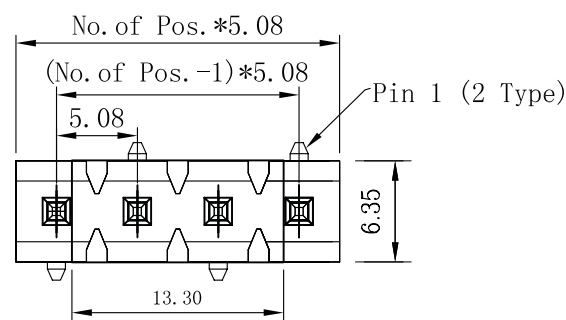
INTERCOM SMT



Features	Pitch 5.08 mm pin 1.14 mm Breakable heade
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Copper alloy
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code					
A	B	C	D	E	F
668	8236	2xx	4x	x	-x

B	B=5.64 mm C=8.64 mm D=10.16 mm
C	Number of contacts from 01 to 20
D	1 Gold flash 4 Tin
E	Position of the first pin 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 5.08 mm

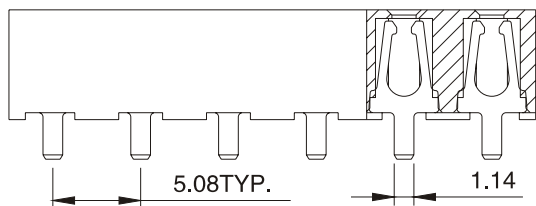
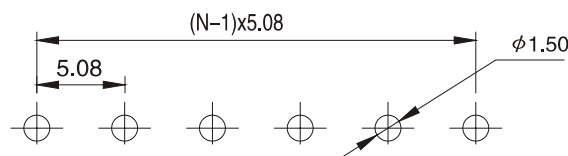
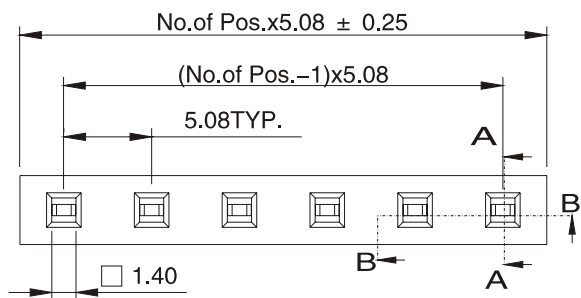
INTERCOM



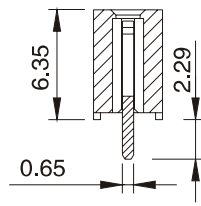
Features	Pitch 5.08 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor Bronze
Electrical	Current rating: 6.8 A maxi 30 °C temperature rise Contact Resistance: 10 mΩ Max Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code			
A	B	C	D
477	8206	2xx	4x0

C	Number of contacts from 02 to 20
D	1 Gold flash 4 Tin



SECTION B-B



SECTION A-A

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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 5.08 mm

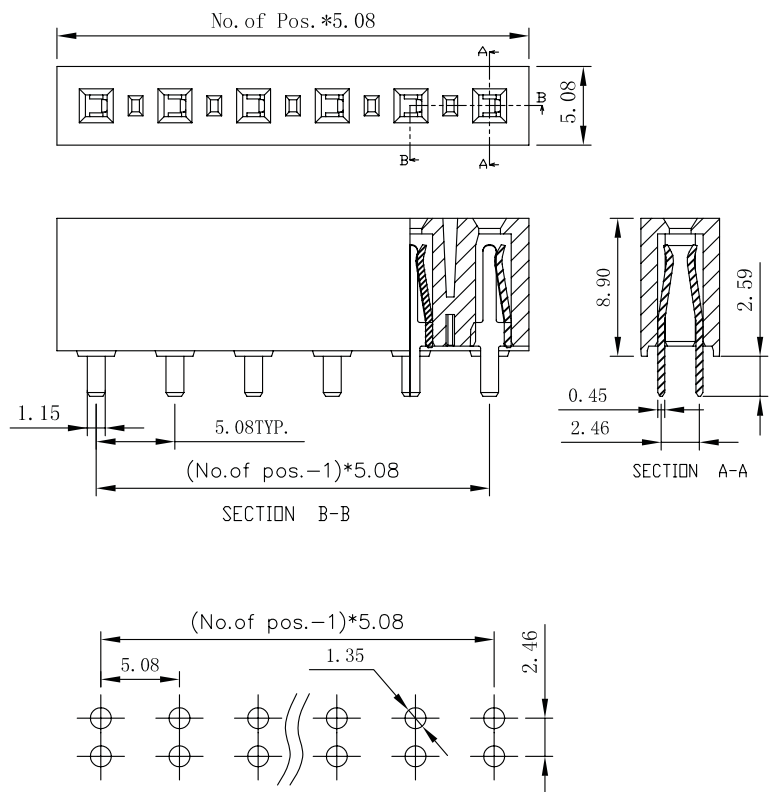
INTERCOM



Features	Pitch 5.08 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor Bronze
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Contact Resistance: 10 mΩ Max Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code			
A	B	C	D
477	8237	2xx	4x0

C	Number of contacts from 02 to 20
D	1 Gold flash 4 Tin

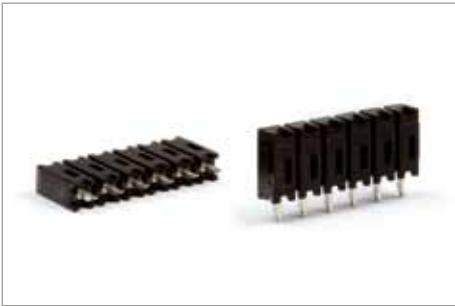


“Due to technical progress, all design, specification and components are subject to change without notice”.

SOCKET

SOCKET CONNECTOR STRAIGHT SINGLE ROW 5.08 mm

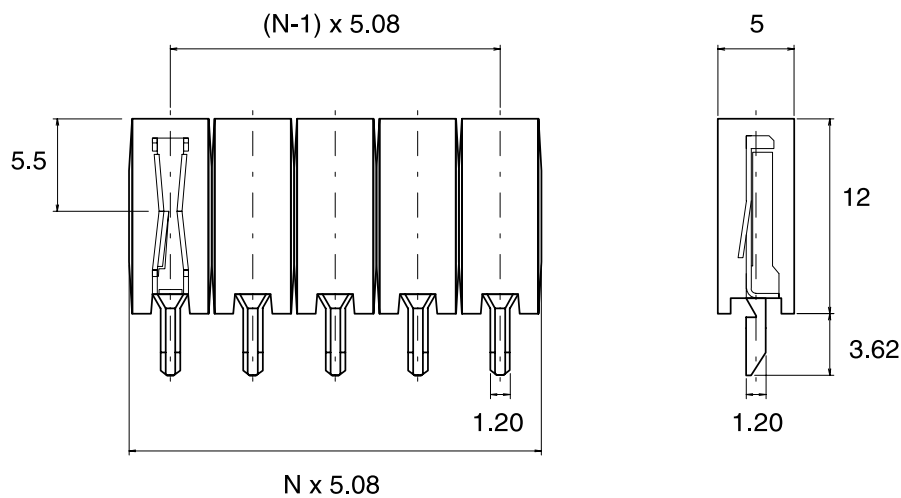
INTERCOM



Features	Pitch 5.08 for pin 1.14 mm Socket breakable, pitch 5.08 mm Double wipe contact
Material	Insulator: Black glass filled polyester UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 6 A maxi Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: from -40 °C to 125 °C Pc board hole diameter Ø 1.7 mm
Packaging	Recyclable card board boxes

Product Code				
A	B	C	D	E
477	2023	2	xx	4x0

C	Number of pins from 02 to 12
	Plating
D	0 Selective Gold
	0.2 μm over Ni
	4 Tin 4 μm
	Other platings on demand.



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW SMT 5.08 mm

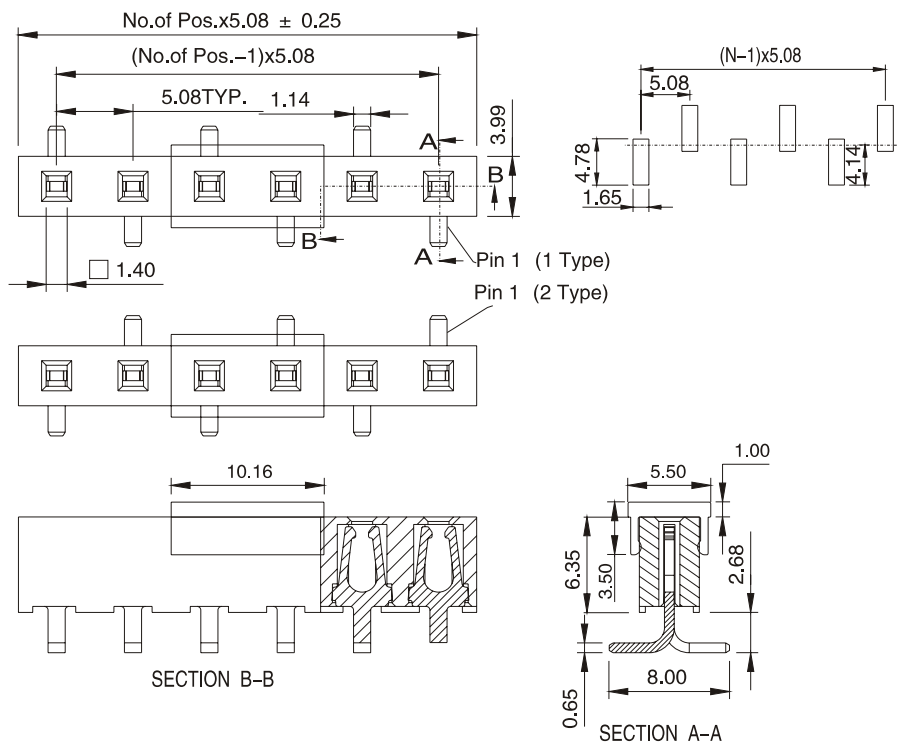
INTERCOM SMT



Features	Pitch 5.08 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor Bronze
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Contact Resistance: 10 mΩ Max Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube

Product Code					
A	B	C	D	E	F
677	8238	2xx	4x	x	-x

C	Number of contacts from 02 to 20
D	1 Gold flash 4 Tin
E	Position of the first pin: 1: Type 1 2: Type 2
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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SOCKET
SOCKET CONNECTOR STRAIGHT SINGLE ROW 5.08 mm

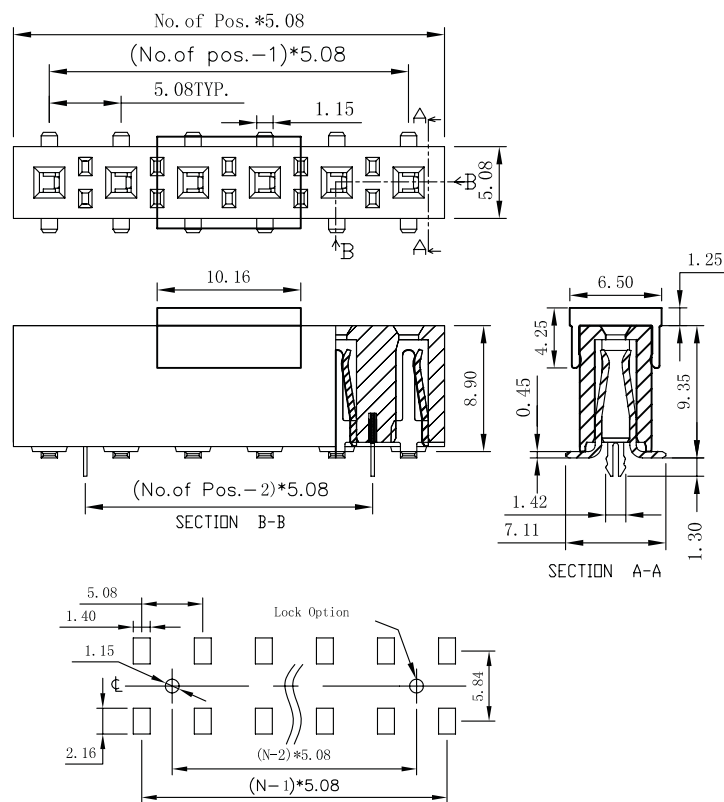
INTERCOM SMT



Features	Pitch 5.08 mm Socket
Material	Insulator: High temperature thermoplastic UL 94V0 Contact: Phosphor Bronze
Electrical	Current rating: 7.9 A maxi 30 °C temperature rise Contact Resistance: 10 mΩ Max Dielectric withstanding: 500 V AC Insulation resistance: 500 MΩ mini
Mechanical	Temperature rating: from -40 °C to 105 °C
Packaging	Tube or Tape and Reel

Product Code					
A	B	C	D	E	F
677	8239	2xx	4x	x	-x

C	Number of contacts from 02 to 20
D	1 Gold flash 4 Tin
E	0: Without locking peg 1: With locking peg
F	T: tube TC: Tube + Cap RC: Tape & Reel + Cap



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WIRE TO BOARD CONNECTION

Note:

PLATING standard version

Gold 0.25 μm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

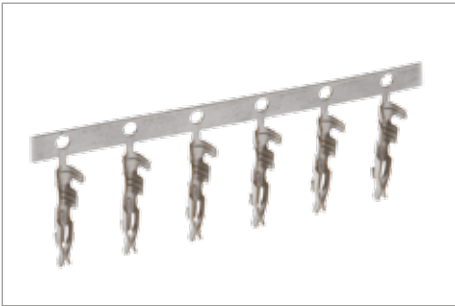
Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

CRIMP CONTACT

CT31x - 2.5 mm PITCH

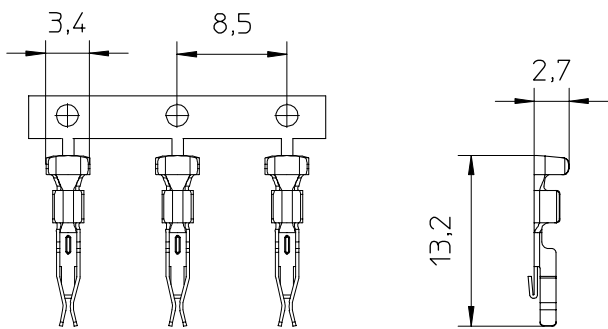


Features	Double wipe contact use with BS442 Housing
Material	Copper alloy Tin plated
Electrical	Current rating: CT 317 6A CT 310 7.5A
Mechanical	Temperature rating: from -30 °C to 110 °C
Packaging	Reel 10.000 pcs

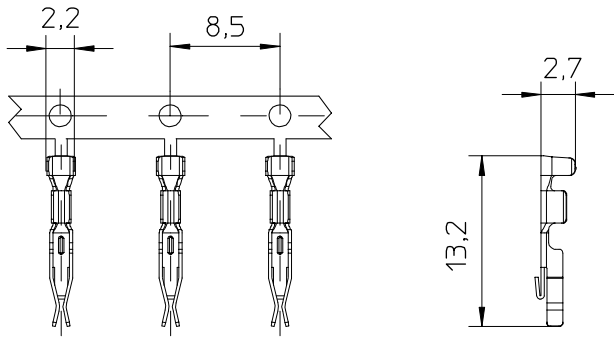
Product Code		
A	B	C
CT	31x	SN

B	awg
	7 22-24
	0 20-24

CT310



CT317



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HOUSING

BS442 - 2.5 mm PITCH



- Features

Friction lock single row housing, use with CT31x contact mates with CFM 2.5 header
- Material

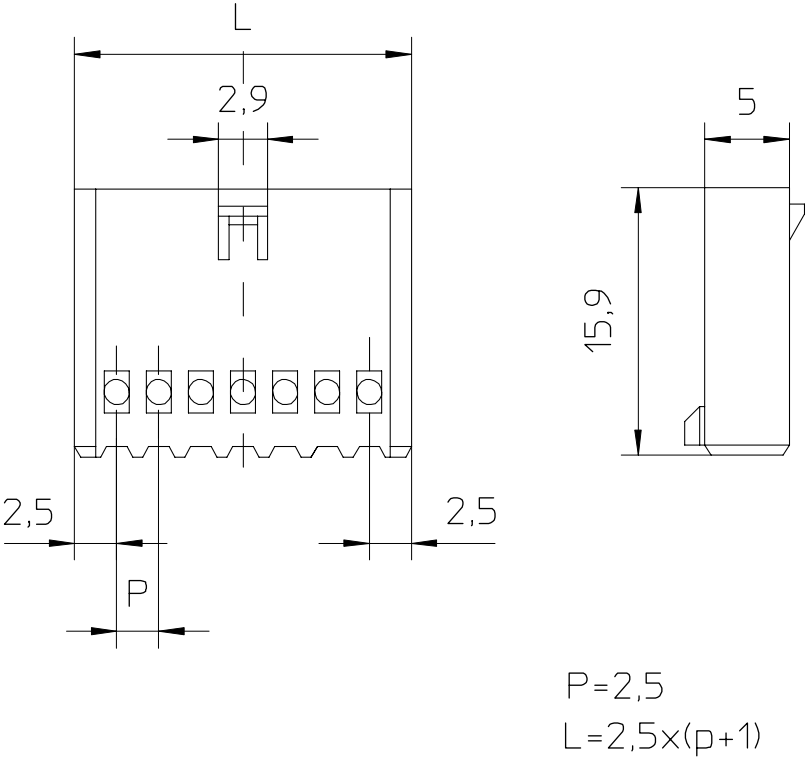
PA UL94VO
- Electrical

Voltage 125V
- Mechanical

Temperature rating: from -30 °C to 110 °C

Product Code		
A	B	C
BS442	/xx	GR

B	Number of contacts from 2 to 20
---	---------------------------------



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SHROUDED HEADER

CFM 2.5 mm PITCH

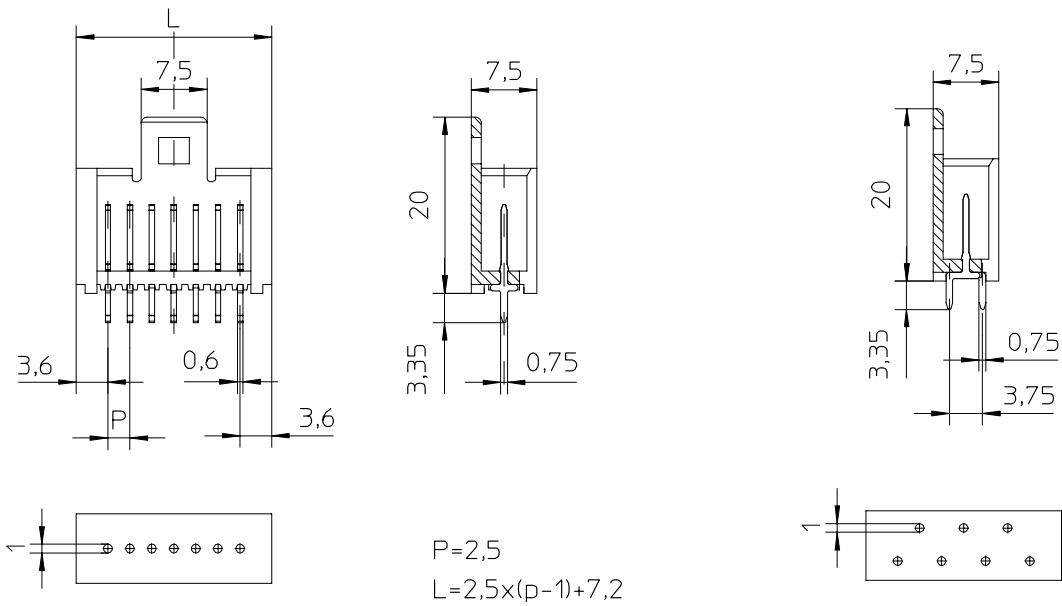


Features	Friction lock single row header, mates with BS442
Material	PA UL94VO
Electrical	Voltage 125V Current rating 6A
Mechanical	Temperature rating: from -30 °C to 125 °C

Product Code			
A	B	C	D
CFM2.5	/xx	xx	GR

B	Number of contacts from 2 to 20
C	Foot print: Blank: single row VO1: double row

Version V01



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WIRE TO BOARD
IDT CONNECTOR

AUTOCOM



Product Code

A	B	C	D
478	28xx	1xx	4x0

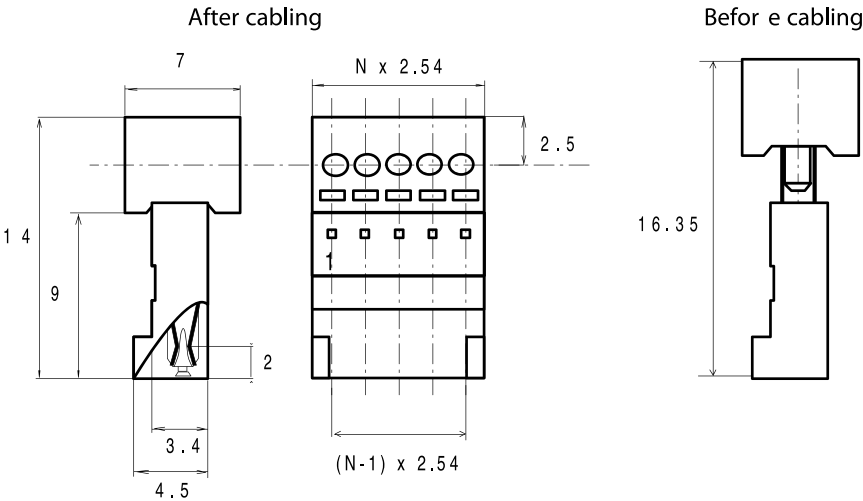
B	AWG and polarization
	26/28 AWG
	2836
	2709
	22/24 AWG
C	2837
	2710
	Number of contacts from 02 to 15
D	Plating
	4 *Tin 4 µm
	7 Selective Gold 0.2 µm over Ni 1.27 µm

Features	Single row right angle insulation displacement connector
	Pitch 2.54 mm
	Fast & easy wiring of flat cable or discrete wire
Material	Double wipe contact
	Insulator: Black glass filled polyester UL 94VO
	Contact: Phosphor bronze
Electrical	Current rating: 3 A maxi
	Dielectric withstanding: 500 V AC
	Insulation resistance: 1000 MΩ mini
	Contact resistance: 20 mΩ maxi
Mechanical	Temperature rating: -40 °C to 125 °C
	Maximum Insulation:
	Diameter: Ø 1.45 mm
	Insertion force:
	Tin version: 3 N Maxi per contact
	Gold version: 1.5 N maxi per contact
	Withdrawal force:
	Tin version: 0.2 N mini per contact
	Gold version: 0.15 N mini per contact
Packaging	Plastic tubes (220 contacts per row)



SEE OUR TOOLS
PAGE 268

(N= Number
of contacts)



Serie 4782710
Serie 4782709



Serie 4782837
Serie 4782836

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WIRE TO BOARD
IDT CONNECTOR

INTERCOM



- Features

ID Locking connector single and double row
Pitch 2.54 mm
Gauge 28 to 22
Fast and easy wiring of flat cable or discrete wire
Double wipe contact
- Material

Insulator: Black glass filled polyester UL 94VO
Contact: Phosphor bronze
- Electrical

Current rating: 3 A maxi
Dielectric withstanding: 500 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 20 mΩ maxi
- Mechanical

Temperature rating: -40 °C to 125 °C
Maximum Insulation:
Diameter: Ø 1.45 mm
- Packaging

Recyclable cardboard boxes

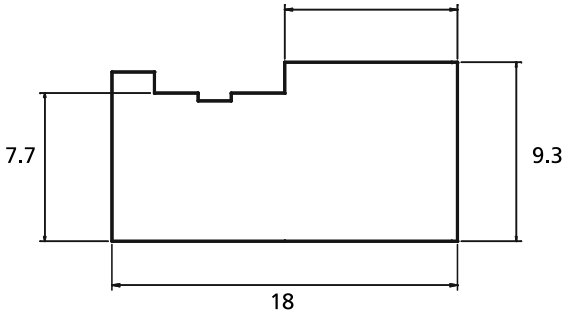
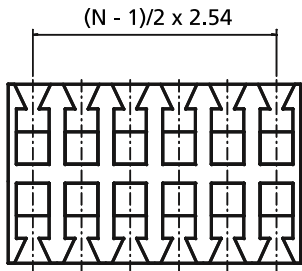
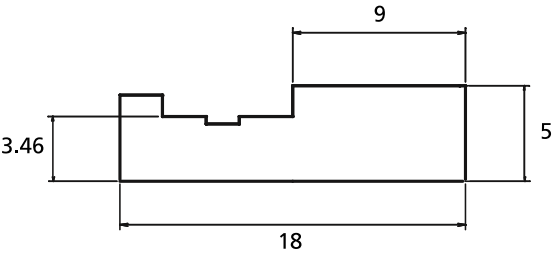
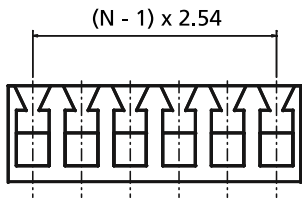
Product Code			
A	B	C	D
478	3xxx	1xx	4x0

B	3219 (SR) Single Row 3220 (DR) Double Row
C	Number of contacts from 02 to 18 SR 04 to 36 DR
D	Plating 4 Tin 4 μm 0 Selective Gold 0.2 μm over Ni



SEE OUR TOOLS
PAGE 268

(N= Number
of contacts)



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WIRE TO BOARD
CRIMP CONTACT CONNECTOR

INTERCOM



- Features

Crimp contact for single and double row housing
Double Wipe Removable contact
AWG 22 - 24 - 26 - 28
- Material

Material: Phosphor bronze
- Electrical

Current rating: 3 A maxi
Contact resistance: 20 mΩ maxi
- Mechanical

Temperature rating: -55 °C to 125 °C
Maximum Insulation
Diameter: Ø 1.45 mm
- Packaging

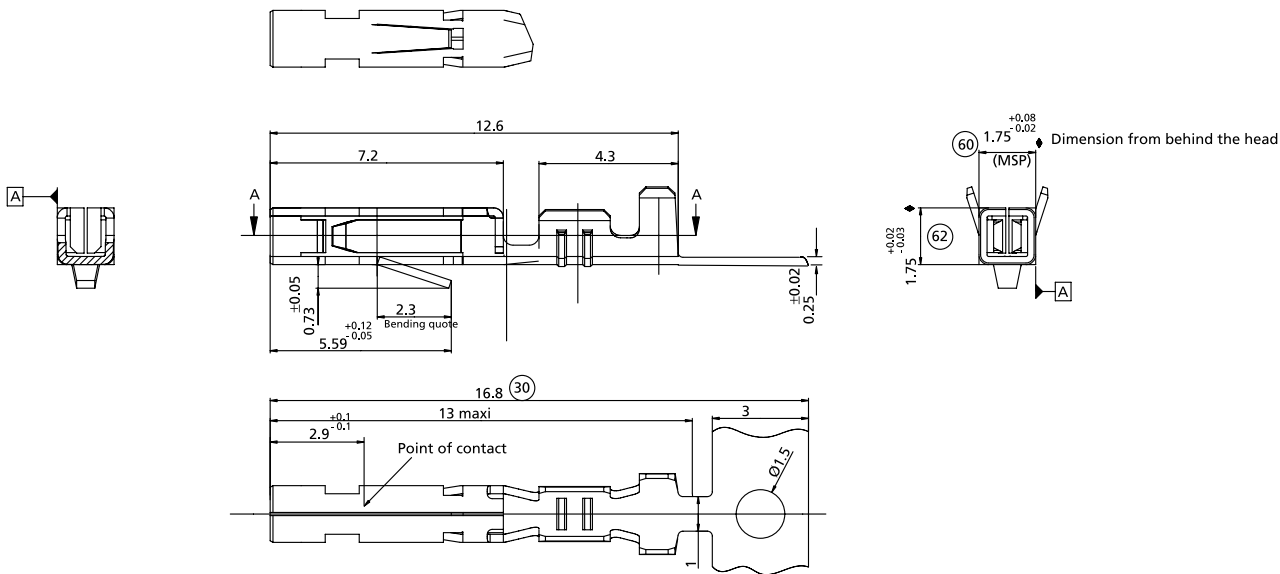
Recyclable cardboard reels

Product Code				
A	B	C	D	E
485	3250	000	4x	x

D	Plating 2 Tin 4 µm 7 Selective gold 0.2 µm over 1.27 µm Ni
E	Packaging 1 reel (8000 contacts each) 2 reel (1000 contacts each)



SEE OUR TOOLS
PAGE 268



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WIRE TO BOARD
SINGLE ROW HOUSING

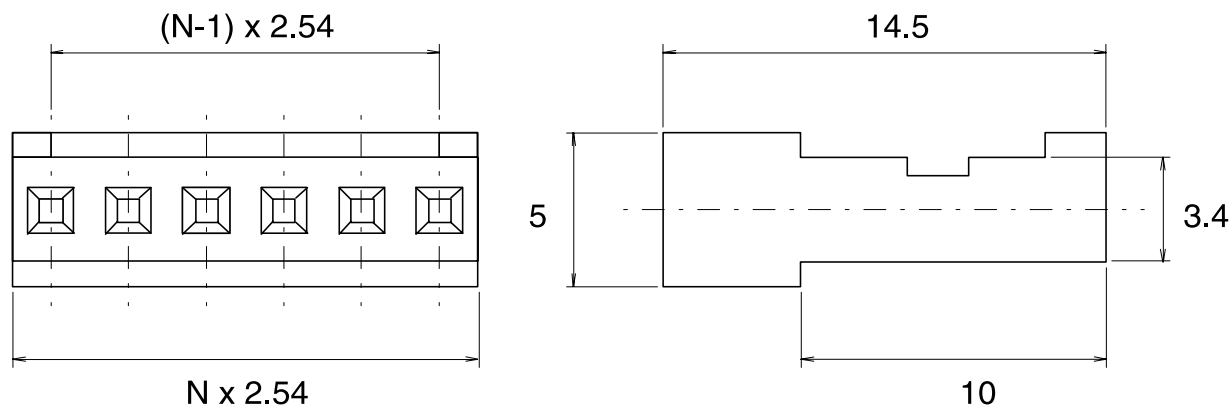
INTERCOM



Features	Single row housing for crimping contact Double Wipe Removable contact AWG 22 - 24 - 26 - 28
Material	Insulator: Black glass filled polyester UL 94VO
Electrical	Current rating: 3 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 100000 MΩ mini Contact resistance: 20 mΩ maxi
Mechanical	Temperature rating: -55 °C to 125 °C Maximum Insulation Diameter: Ø 1.45 mm
Packaging	Recyclable cardboard boxes

Product Code			
A	B	C	D
485	3248	0xx	740

C	Number of contacts 02, 03, 04, 05, 08, 10
---	---



“Due to technical progress, all design, specification and components are subject to change without notice”.

WIRE TO BOARD
DOUBLE ROW HOUSING

INTERCOM



- Features

Double row housing for crimping contact
Double Wipe Removable contact
AWG 22 - 24 - 26 - 28
- Material

Insulator: Black glass filled polyester UL 94VO
- Electrical

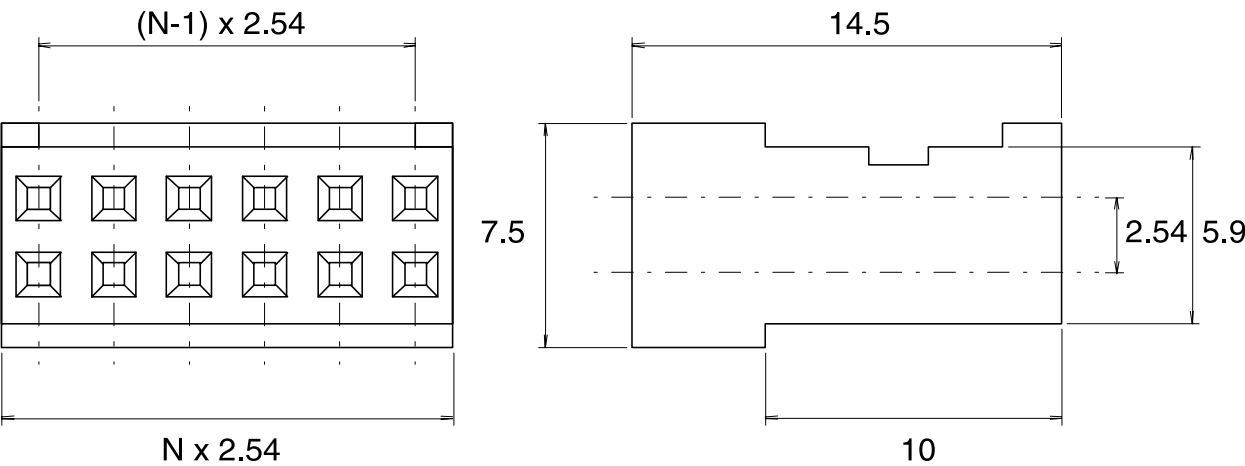
Current rating: 3 A maxi
Dielectric withstanding: 500 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 20 mΩ maxi
- Mechanical

Temperature rating: -40 °C to 125 °C
Maximum Insulation
Diameter: Ø 1.45 mm
- Packaging

Recyclable cardboard boxes

Product Code			
A	B	C	D
485	3401	0xx	740

C	Number of contacts 08, 10, 14, 16
---	-----------------------------------



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WIRE TO BOARD
SHROUDED HEADER

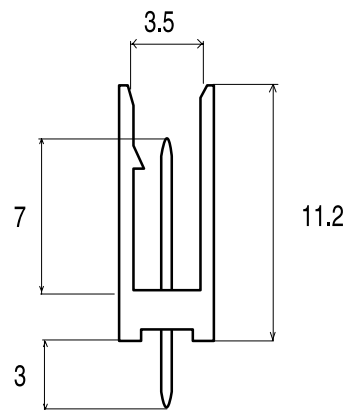
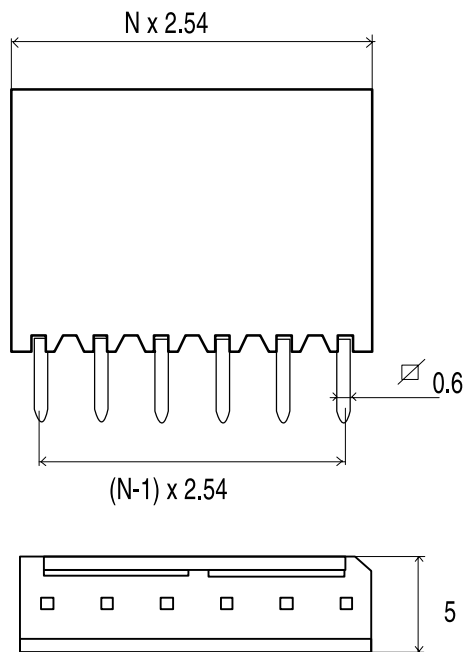
INTERCOM



Features	Polarized header with friction lock Pitch 2.54 mm
Material	Insulator: Black thermoplastic GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 4 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 10000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code			
A	B	C	D
475	0334	1xx	4x0

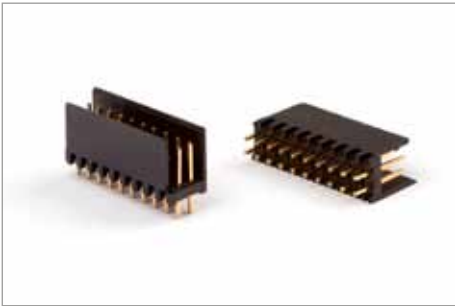
C	Number of contacts 02, 03, 04, 05, 08, 10
D	Plating
	0 Gold 0.2 μm over Ni 1.27 μm
	4 Tin 4 μm over Ni 1.27 μm
	7 Selective Gold 0.2 μm over Ni 1.27 μm Other platings on demand



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WIRE TO BOARD
SHROUDED HEADER

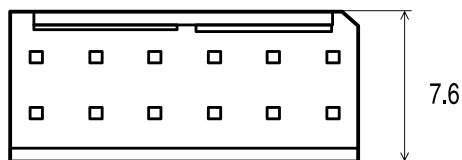
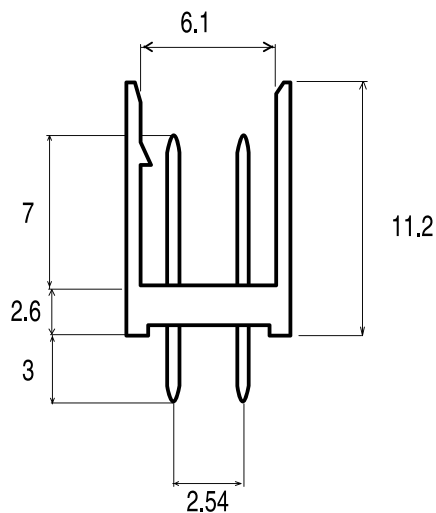
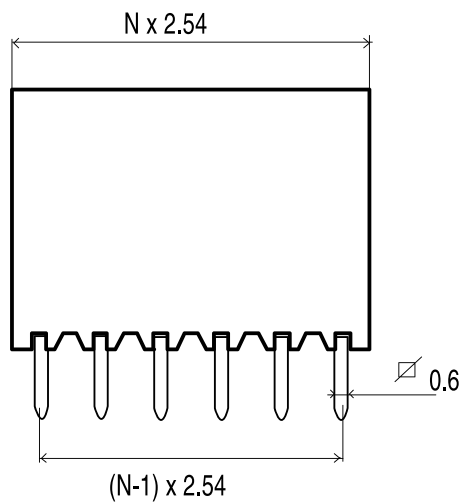
INTERCOM



Features	Polarized header with friction lock Pitch 2.54 mm
Material	Insulator: Black thermoplastic GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 4 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code					
A	B	C	D	E	F
475	1848	1	xx	4x0	-1

D	Number of contacts from 04 to 40
E	Plating 0 Gold plating 0.2 µm over Ni 1.27 µm 4 Tin plated 4 µm over Ni 1.27 µm 7 Selective Gold plating 0.2 µm over Ni 1.27 µm Other plating upon request



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WIRE TO BOARD
SHROUDED HEADER

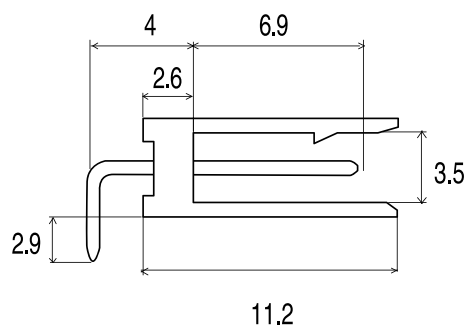
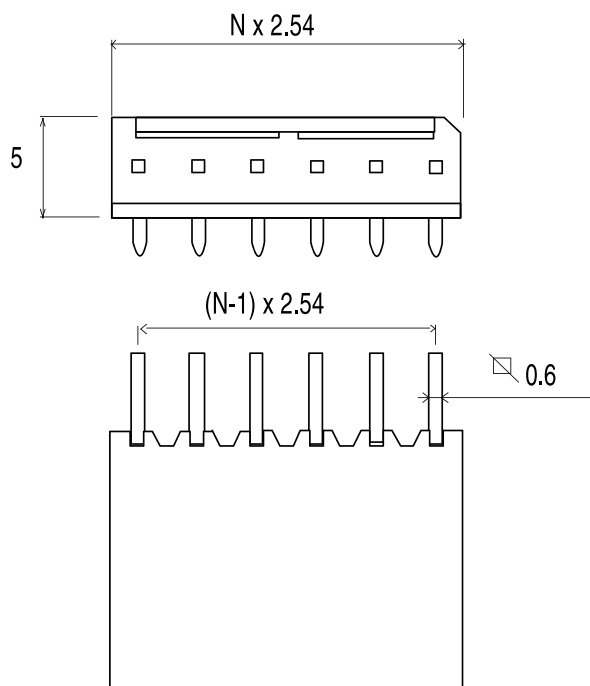
INTERCOM



Features	Polarized header with friction lock Pitch 2.54 mm
Material	Insulator: Black thermoplastic GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 4 A maxi Dielectric withstanding Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code					
A	B	C	D	E	F
476	0395	1	xx	4x0	-1

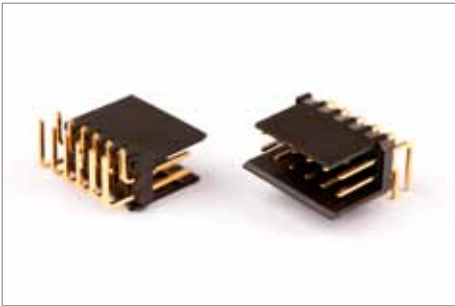
D	Number of contacts from 02 to 20
E	Plating
	0 Gold 0.2 μm over Ni 1.27 μm
	4 Tin 4 μm over Ni 1.27 μm
	7 Selective Gold 0.2 μm over Ni 1.27 μm Other platings on demand



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WIRE TO BOARD
SHROUDED HEADER

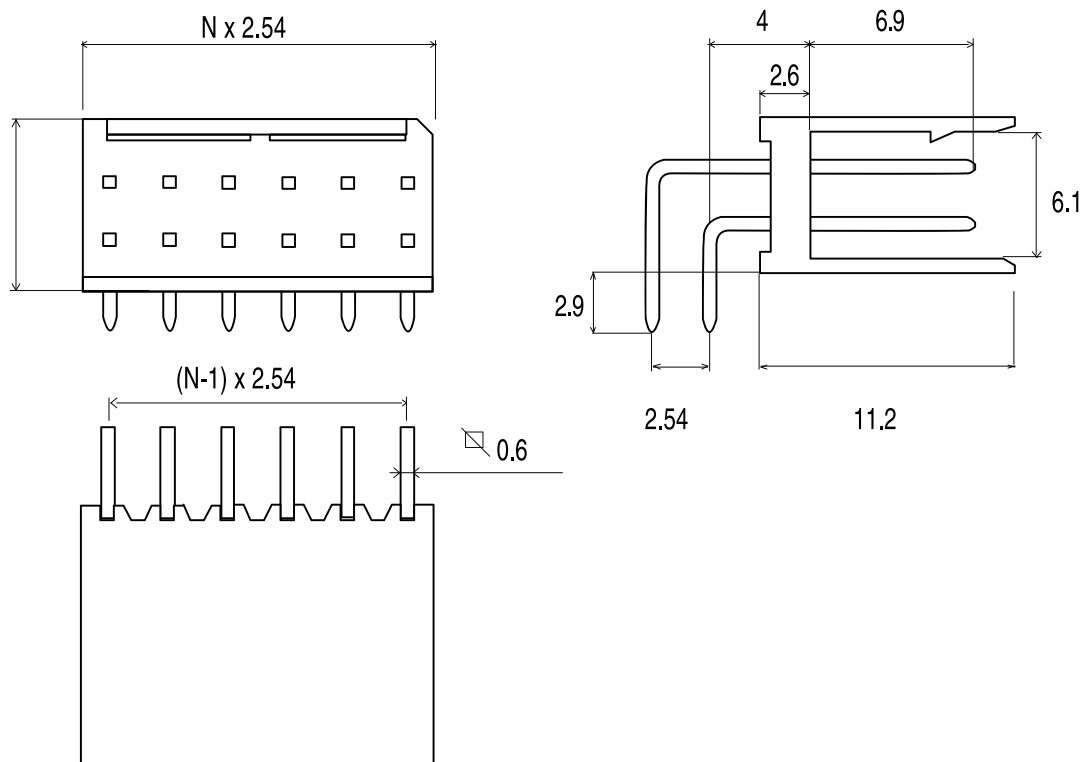
INTERKON



Features	Polarized header with friction lock Pitch 2.54 mm
Material	Insulator: Black thermoplastic GF UL 94VO Contact: Phosphor bronze
Electrical	Current rating: 4 A maxi Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C
Packaging	Recyclable cardboard boxes

Product Code					
A	B	C	D	E	F
476	2075	1	xx	4x0	-1

D	Number of contacts from 04 to 26
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm 7 Selective Gold 0.2 µm over Ni 1.27 µm Other platings on demand.



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WIRE TO BOARD
SHROUDED HEADER

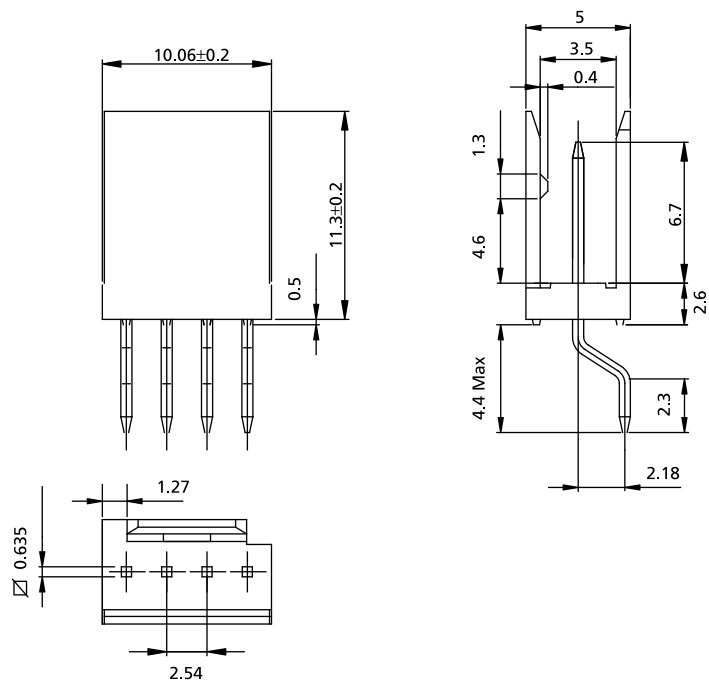
INTERCOM SMT



Features	SMD horizontal single row Header Pitch 2.54 mm
Material	Insulator: PA 4.6 UL 94V0 Contact: Phosphor bronze
Electrical	Current rating: 4A maxi Dielectric withstanding: 500 V AC Insulation resistance: 10000 MΩ mini
Mechanical	Temperature rating: -40 °C to 125 °C

Product Code			
A	B	C	D
676	2130	1xx	4x0

D	Number of contacts from 02 to 20
E	Plating
	0 Gold 0.20 µm min over 1÷2 µm Ni
	4 Tin 4÷8 µm over 1.27÷3 µm Ni
	7 Selective gold 0.2 µm over 1.27 µm Ni
	Other platings on demand



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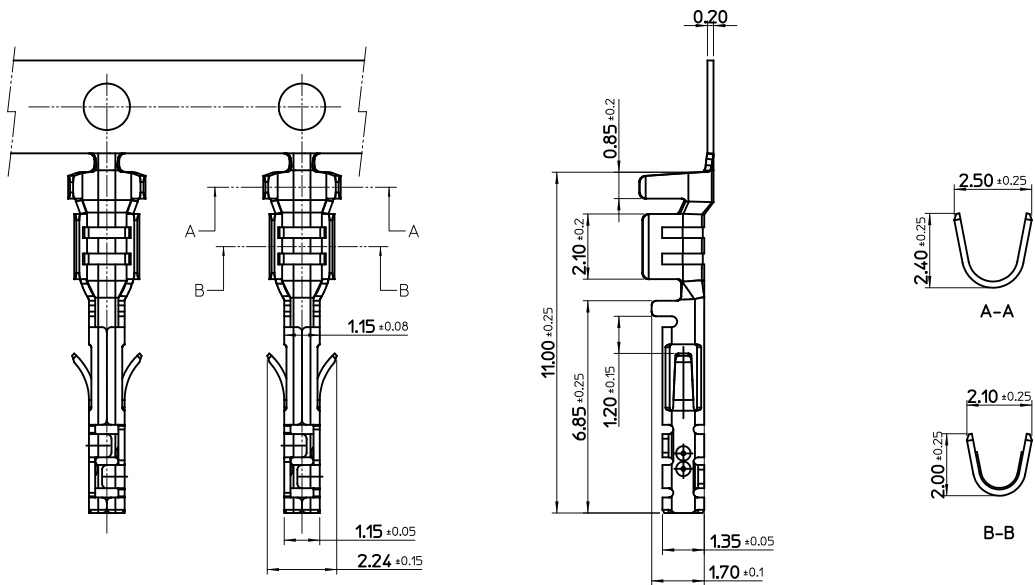
CRIMP CONNECTOR
FEMALE CONTACT

MICROPOWER



Features	Female crimp contact for Micropower receptacle
Material	Contact: Phosphor bronze Tin plated
Electrical	Current rating: 5 A Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C Wire range: AWG 20-24
Packaging	Reel 15.000 pcs

Product Code			
A	B	C	D
485	8414	000	540



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CRIMP CONNECTOR
RECEPTACLE HOUSING

MICROPOWER

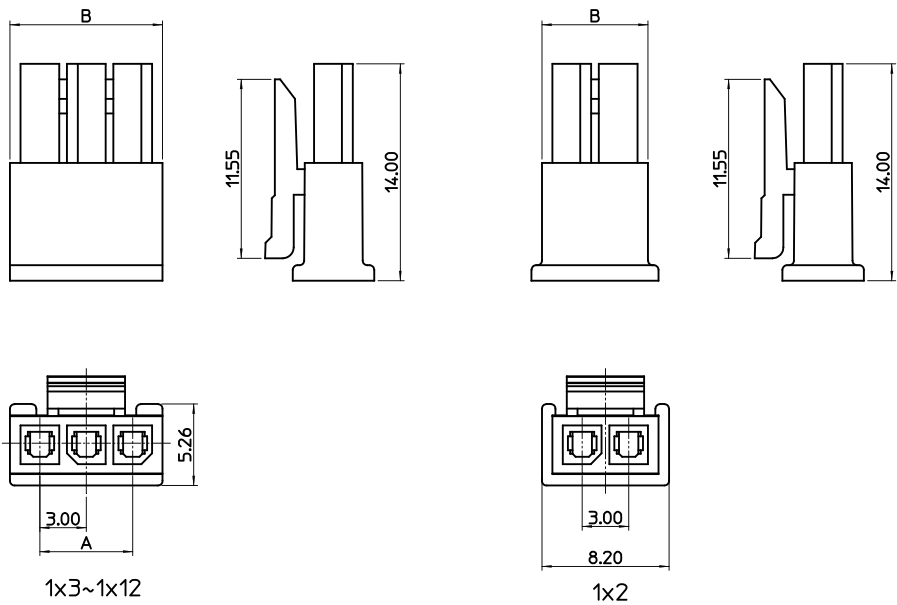


Features	Receptacle housing single row
Material	Insulator: PA 66
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8422	7xx	740

C	Number of contacts from 02 to 12
---	----------------------------------

Position	A	B
02	3.00	6.85
03	6.00	9.85
04	9.00	12.85
05	12.00	15.85
06	15.00	18.85
07	18.00	21.85
08	21.00	24.85
09	24.00	27.85
10	27.00	30.85
11	30.00	33.85
12	33.00	36.85



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CRIMP CONNECTOR
RECEPTACLE HOUSING

MICROPOWER

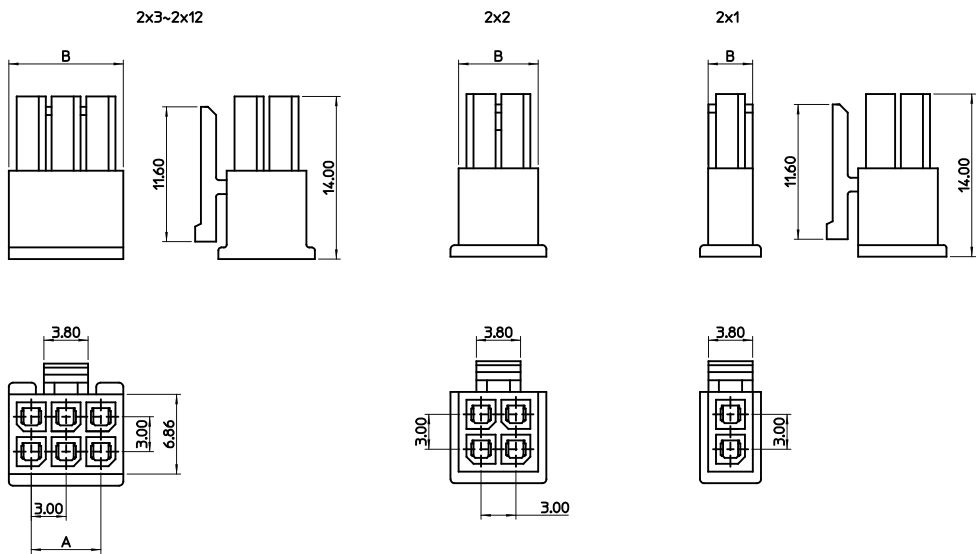


Features	Receptacle housing
Material	Insulator: PA 66
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8416	7xx	740

C	Number of contacts from 02 to 24
---	----------------------------------

Position	A	B
02	...	3.85
04	3.00	6.85
06	6.00	9.85
08	9.00	12.85
10	12.00	15.85
12	15.00	18.85
14	18.00	21.85
16	21.00	24.85
18	24.00	27.85
20	27.00	30.85
22	30.00	33.85
24	33.00	36.85



“Due to technical progress, all design, specification and components are subject to change without notice”.

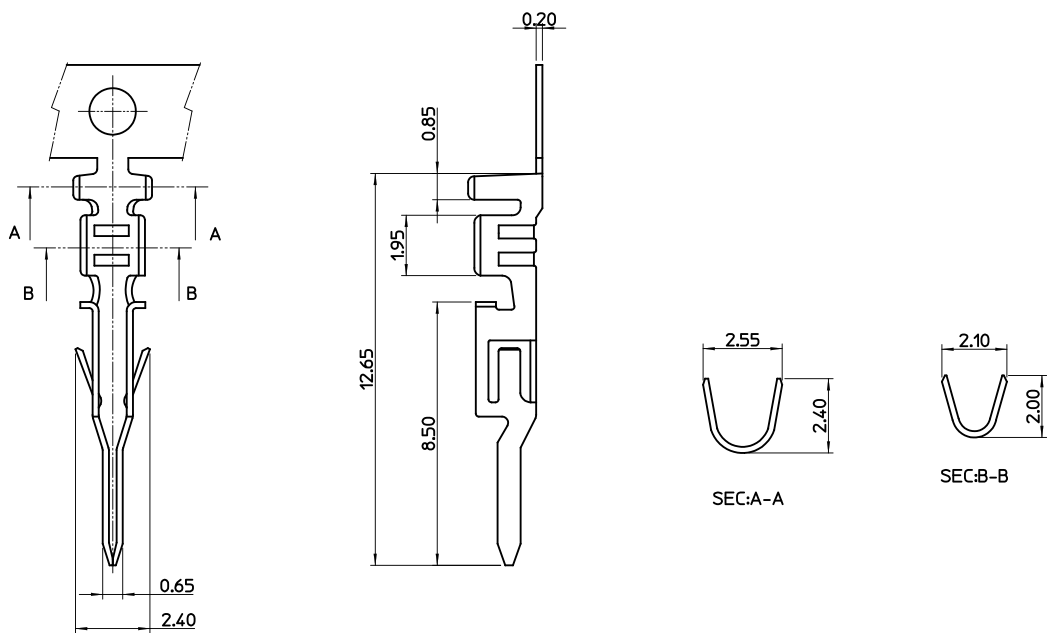
CRIMP CONNECTOR
MALE CONTACT

MICROPOWER



Features	Male crimp contact for Micropower receptacle
Material	Contact: Phosphor bronze Tin plated
Electrical	Current rating: 5A Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C Wire range: AWG 20-24
Packaging	Reel 15.000 pcs

Product Code			
A	B	C	D
485	8415	000	540



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CRIMP CONNECTOR
PLUG HOUSING

MICROPOWER

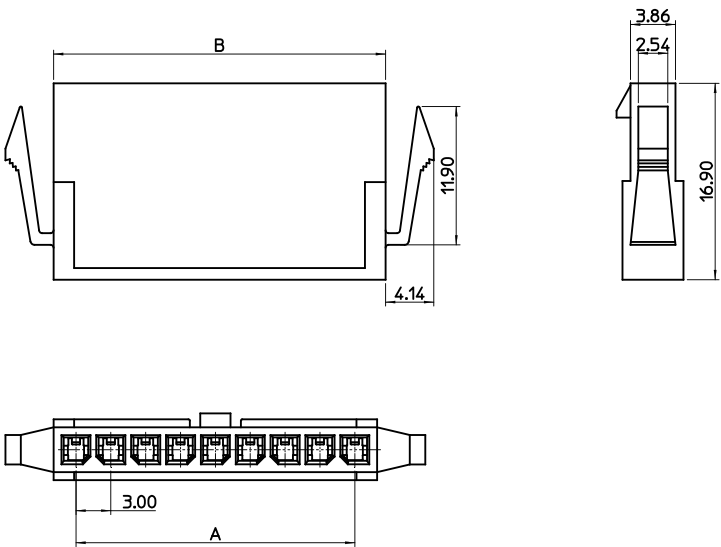


Features	Plug housing single row
Material	Insulator: PA 66
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8423	7xx	740

C	Number of contacts from 02 to 12
---	----------------------------------

Position	A	B
02	3.00	6.85
03	6.00	9.85
04	9.00	12.85
05	12.00	15.85
06	15.00	18.85
07	18.00	21.85
08	21.00	24.85
09	24.00	27.85
10	27.00	30.85
11	30.00	33.85
12	33.00	36.85



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CRIMP CONNECTOR
PLUG HOUSING

MICROPOWER

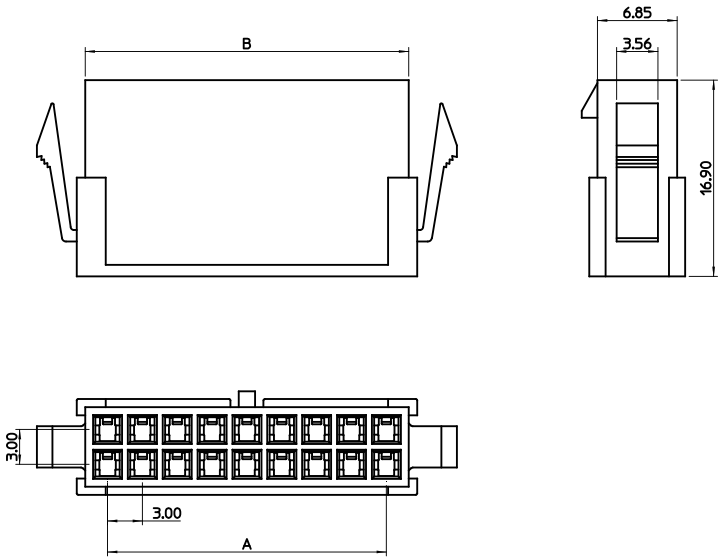


Features	Plug housing
Material	Insulator: PA 66
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8417	7xx	740

C	Number of contacts from 02 to 24
---	----------------------------------

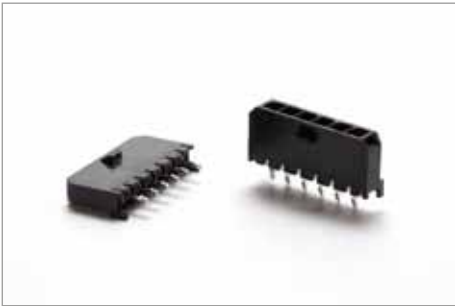
Position	A	B
02	...	3.85
04	3.00	6.85
06	6.00	9.85
08	9.00	12.85
10	12.00	15.85
12	15.00	18.85
14	18.00	21.85
16	21.00	24.85
18	24.00	27.85
20	27.00	30.85
22	30.00	33.85
24	33.00	36.85



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HEADER
VERTICAL PTH

MICROPOWER



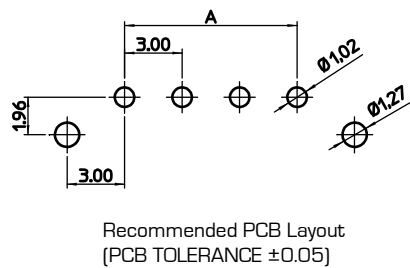
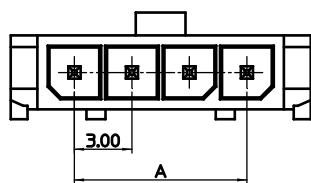
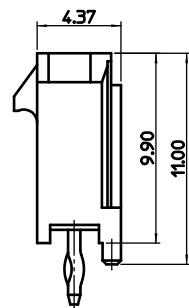
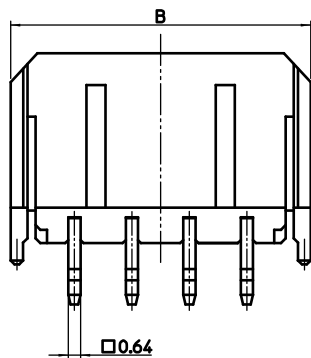
Features	Micropower vertical header
Material	Insulator: PBT Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
475	8424	7xx	240

C	Number of contacts from 02 to 12
---	----------------------------------

Position	A	B
02	3.00	9.65
03	6.00	12.65
04	9.00	15.65
05	12.00	18.65
06	15.00	21.65
07	18.00	24.65
08	21.00	27.65
09	24.00	30.65
10	27.00	33.65
11	30.00	36.65
12	33.00	39.65

THR version is available upon request.



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
VERTICAL PTH

MICROPOWER



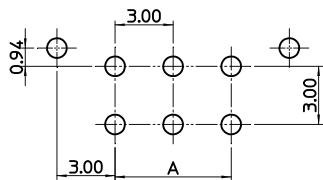
Features	Micropower vertical header
Material	Insulator: PBT Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
475	8418	7xx	240

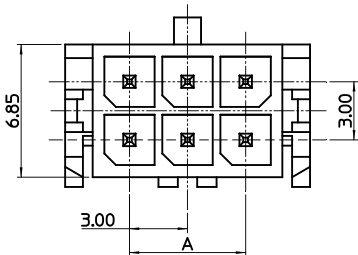
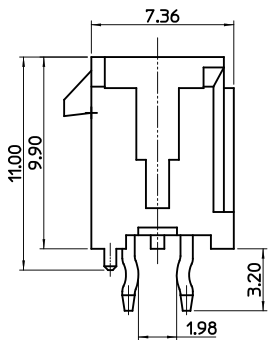
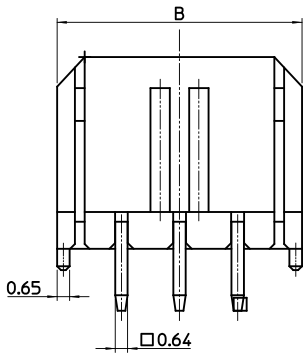
C	Number of contacts from 02 to 24
---	----------------------------------

THR version is available upon request.

Position	A	B
02	...	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65



Recommended PCB Layout
(PCB TOLERANCE ±0.05)



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HEADER
RIGHT ANGLE PTH

MICROPOWER



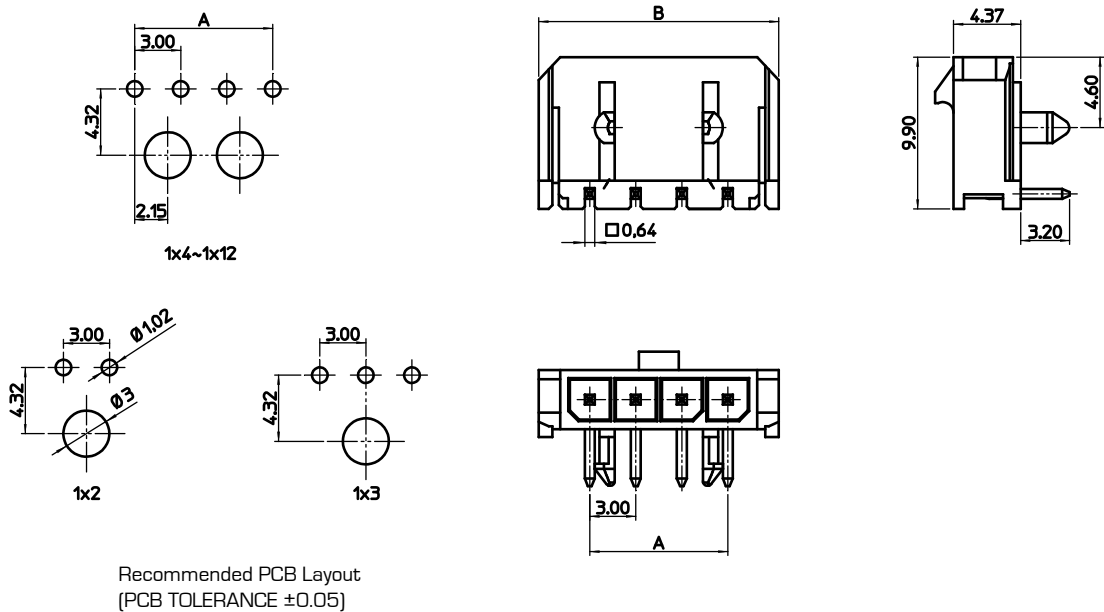
Features	Micropower right angle header
Material	Insulator: PBT Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
476	8425	7xx	240

C	Number of contacts from 02 to 12
---	----------------------------------

THR version is available upon request.

Position	A	B
02	3.00	9.65
03	6.00	12.65
04	9.00	15.65
05	12.00	18.65
06	15.00	21.65
07	18.00	24.65
08	21.00	27.65
09	24.00	30.65
10	27.00	33.65
11	30.00	36.65
12	33.00	39.65



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HEADER
RIGHT ANGLE PTH

MICROPOWER



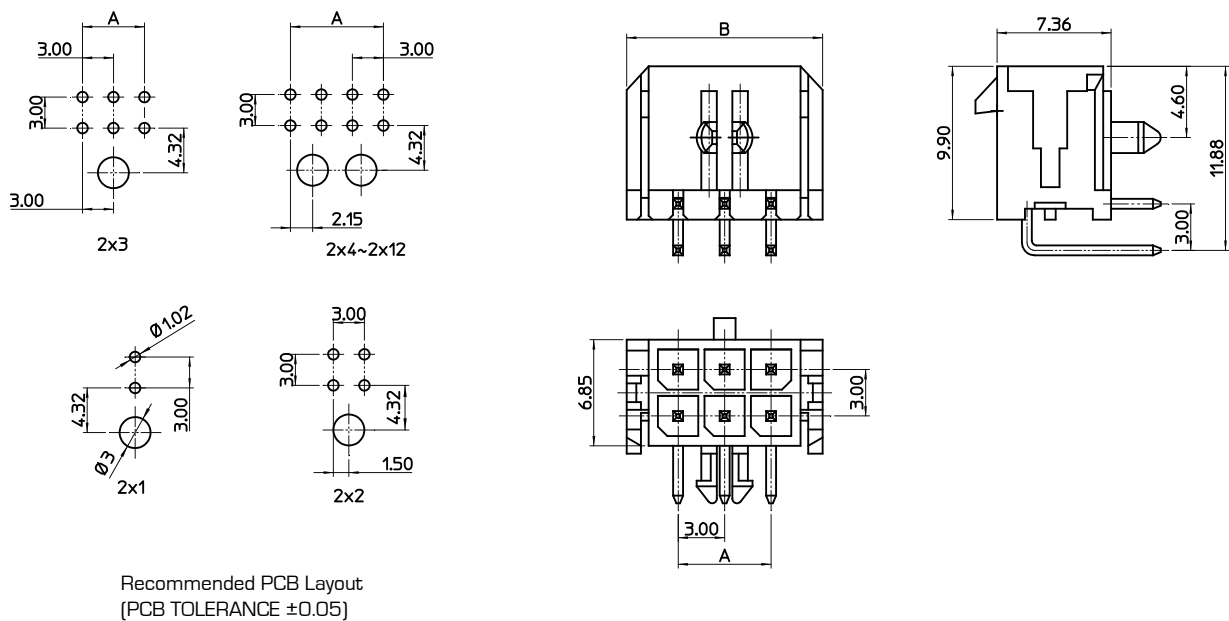
Features	Micropower right angle header
Material	Insulator: PBT Contact: Brass Tin plated
Electrical	Current rating: 5 A Voltage rating: 250 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
476	8420	7xx	240

C	Number of contacts from 02 to 24
---	----------------------------------

THR version is available upon request.

Position	A	B
02	...	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65



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HEADER
VERTICAL SMT

MICROPOWER



- Features

Micropower straight SMT header
- Material

Insulator: LCP
Contact: Brass Tin plated
- Electrical

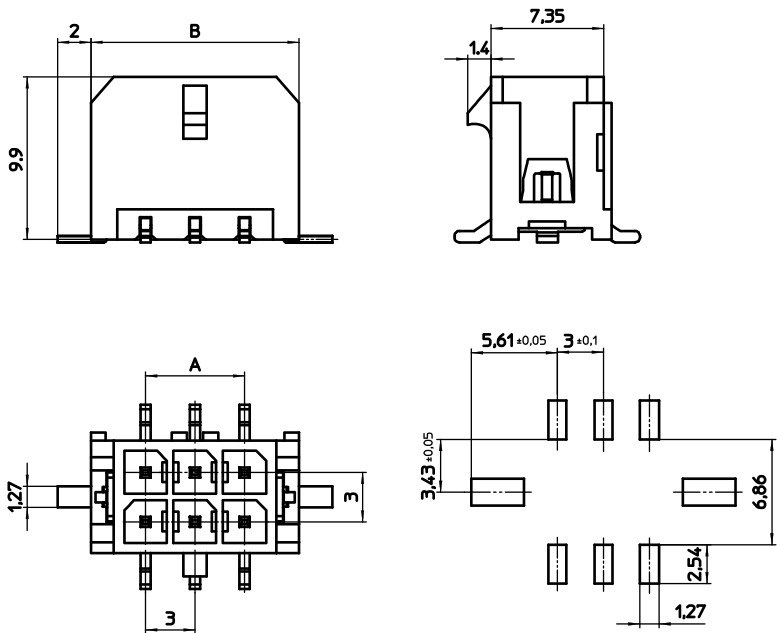
Current rating: 5 A
Voltage rating: 250 V
Dielectric withstanding: 1500 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 10 mΩ max
- Mechanical

Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
677	8419	7xx	240

C	Number of contacts from 02 to 24
---	----------------------------------

Position	A	B
02	...	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65



“Due to technical progress, all design, specification and components are subject to change without notice”.

MICROPOWER



- Features**
Micropower right angle SMT header
- Material**

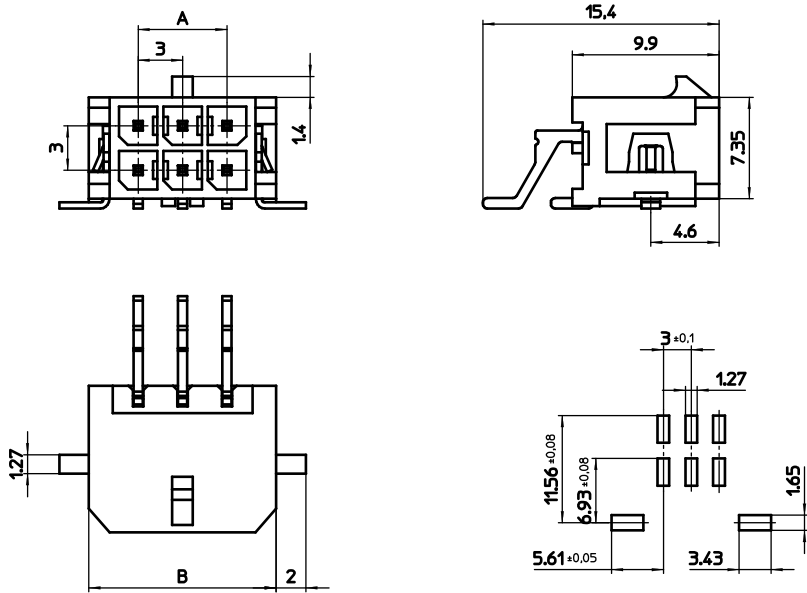
Insulator: LCP
Contact: Brass Tin plated
- Electrical**

Current rating: 5 A
Voltage rating: 250 V
Dielectric withstanding: 1500 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 10 mΩ max
- Mechanical**
Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
677	8421	7xx	240

C	Number of contacts from 02 to 24
---	----------------------------------

Position	A	B
02	...	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65



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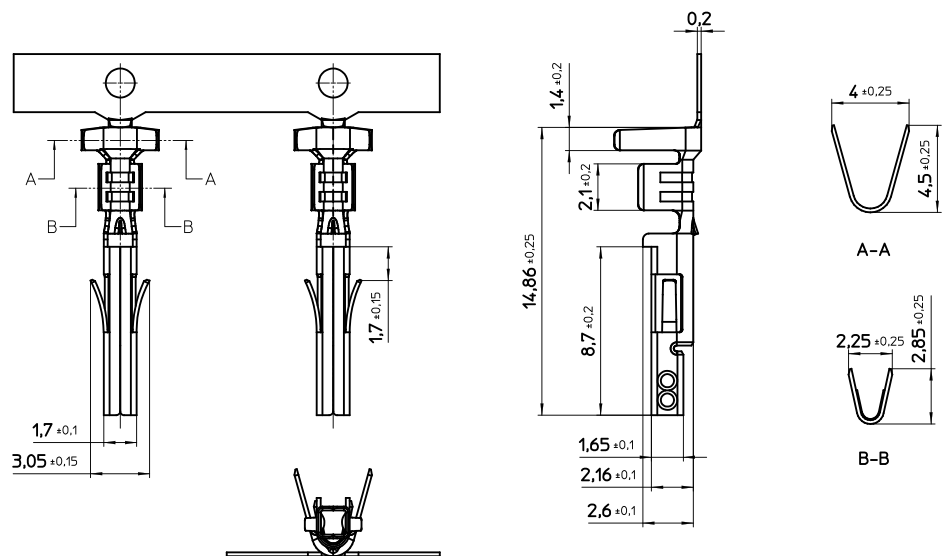
CRIMP CONNECTOR
FEMALE CONTACT

MINIPOWER



Features	Female crimp contact for Minipower receptacle housing
Material	Contact: Brass Tin plated
Electrical	Current rating: 9A Contact resistance: 10 mΩ maxi
Mechanical	Temperature rating: -40 °C to 105 °C Wire range: AWG 18-24
Packaging	Reel 5.000 pcs

Product Code			
A	B	C	D
485	8401	000	540



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CRIMP CONNECTOR
RECEPTACLE HOUSING

MINIPOWER

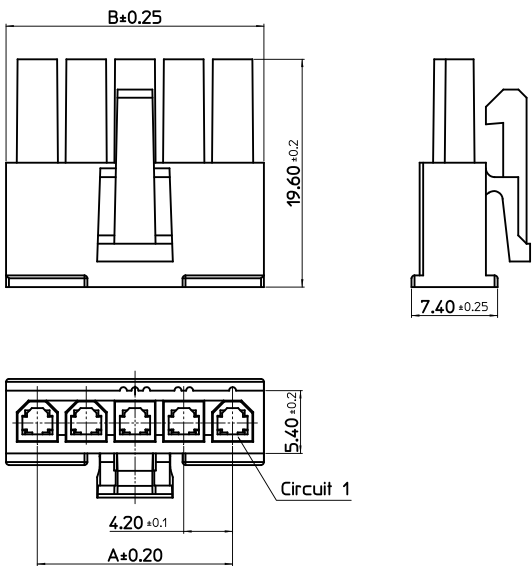
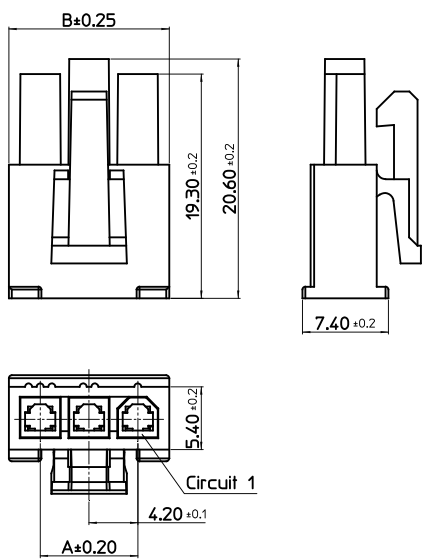


- Features** Receptacle housing single row
- Material** Insulator: PA 66
- Electrical** Current rating: 9 A
Voltage rating: 600 V
Dielectric withstanding: 1500 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 10 mΩ max
- Mechanical** Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8410	0xx	740

Position	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

C	Number of contacts from 02 to 05
---	----------------------------------



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CRIMP CONNECTOR
RECEPTACLE HOUSING

MINIPOWER

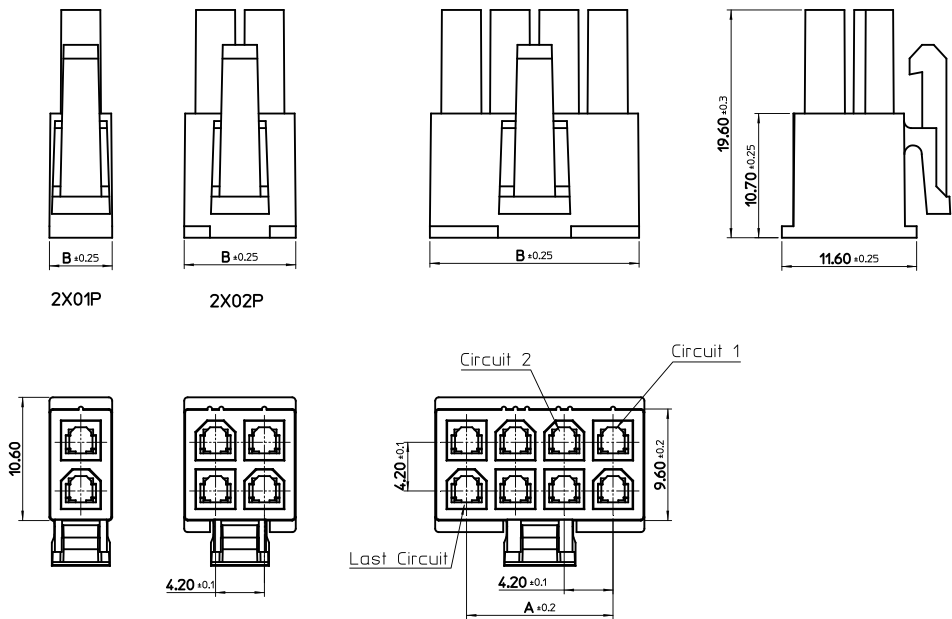


Features	Receptacle housing
Material	Insulator: PA 66
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8403	0xx	740

C	Number of contacts from 02 to 24
---	----------------------------------

Position	A	B
02	...	5.70
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



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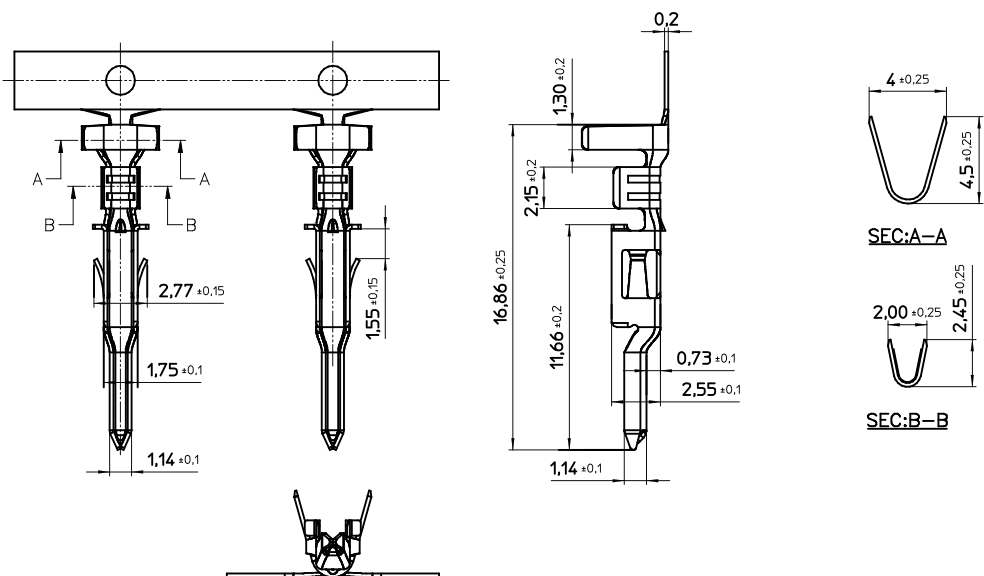
CRIMP CONNECTOR
MALE CONTACT

MINIPOWER



Features	Male crimp contact for Minipower plug housing
Material	Contact: Brass Tin plated
Electrical	Current rating: 9A Contact resistance: 10 mΩ maxi
Mechanical	Temperature rating: -40 °C to 105 °C Wire range: AWG 18-24
Packaging	Reel 5.000 pcs

Product Code			
A	B	C	D
485	8402	000	540



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CRIMP CONNECTOR
PLUG HOUSING

MINIPOWER

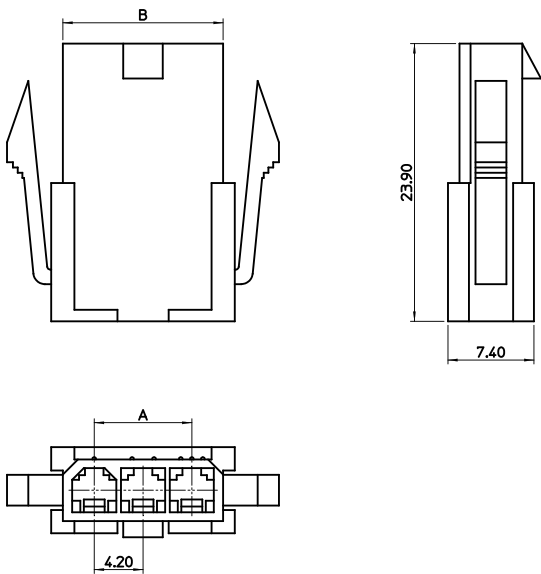


Features	Plug housing single row
Material	Insulator: PA 66
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8411	0xx	540

Position	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

C	Number of contacts from 02 to 05
---	----------------------------------



“Due to technical progress, all design, specification and components are subject to change without notice”.

CRIMP CONNECTOR
PLUG HOUSING

MINIPOWER

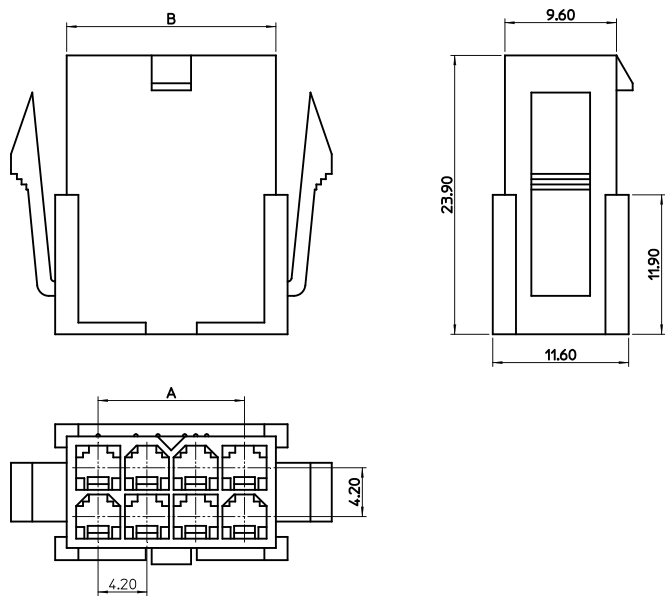


Features	Plug housing
Material	Insulator: PA 66
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature rating: -25 °C to 85 °C

Product Code			
A	B	C	D
485	8404	0xx	740

C	Number of contacts from 02 to 24
---	----------------------------------

Position	A	B
02	...	5.40
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
VERTICAL PTH

MINIPOWER

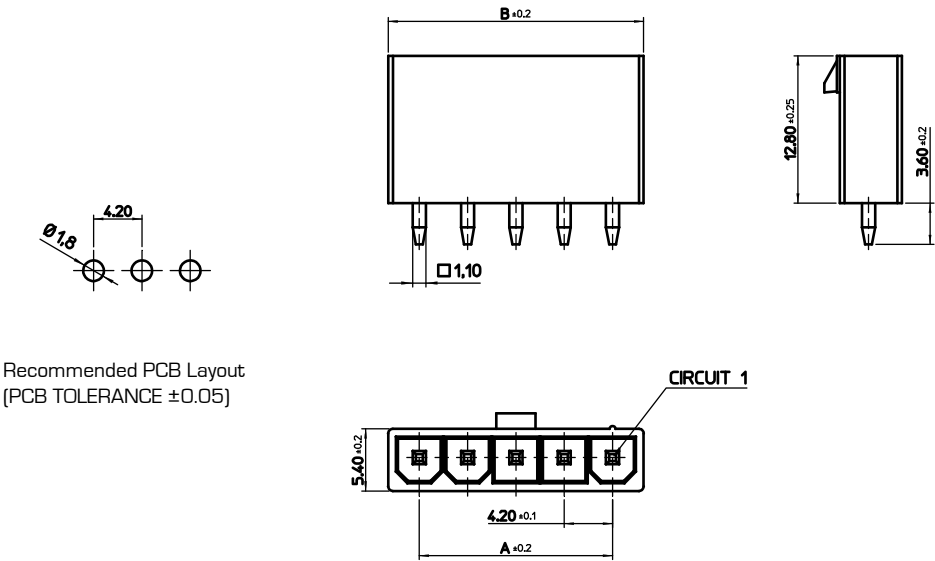


Features	Minipower vertical header
Material	Insulator: PA 66 Contact: Brass Tin Plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
475	8412	0xx	540

Position	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

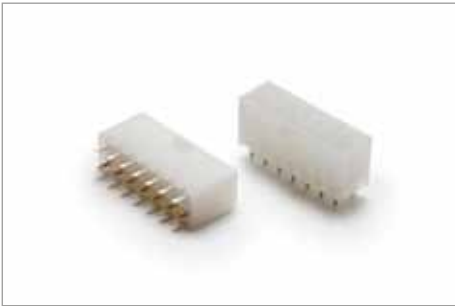
C	Number of contacts from 02 to 05
---	----------------------------------



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
VERTICAL PTH

MINIPOWER

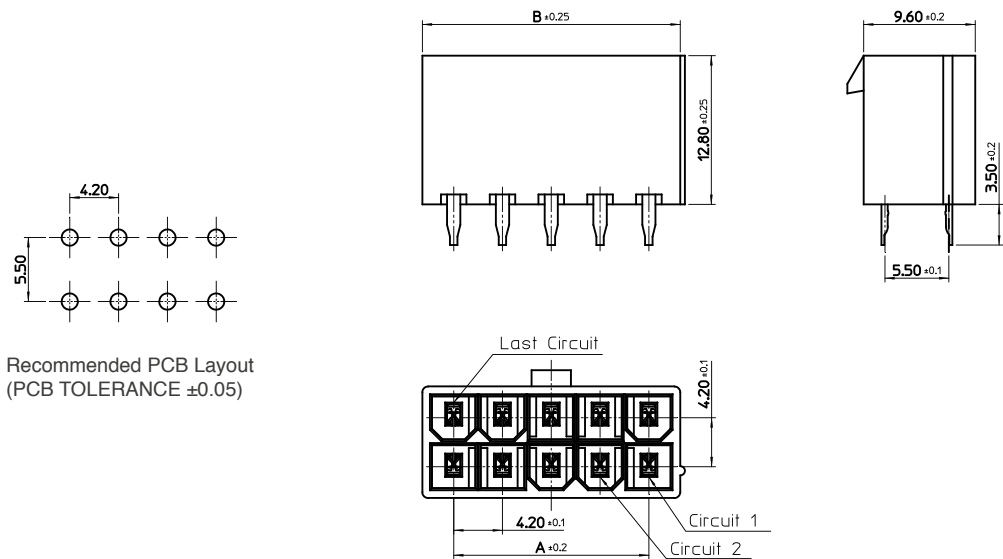


Features	Minipower vertical header
Material	Insulator: PA 66 Contact: Brass Tin plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
475	840x	0xx	540

B	5: without post 6: with post
C	Number of contacts from 02 to 24

Position	A	B
02	...	5.40
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



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HEADER
RIGHT ANGLE PTH

MINIPOWER

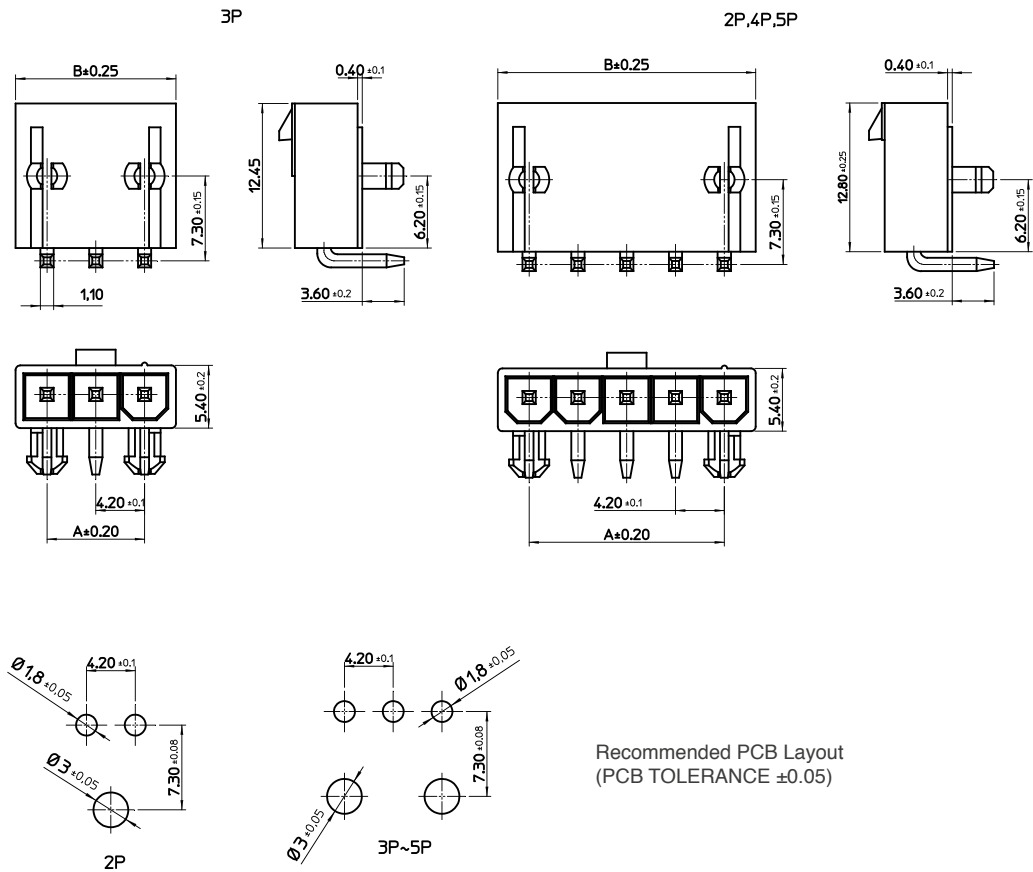


Features	Minipower right angle header
Material	Insulator: PA 66 Contact: Brass Tin Plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to +85 °C

Product Code			
A	B	C	D
476	8413	0xx	540

Position	A	B
02	4.20	9.60
03	8.40	13.80
04	12.60	18.00
05	16.80	22.20

C	Number of contacts from 02 to 05
---	----------------------------------



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
RIGHT ANGLE PTH

MINIPOWER

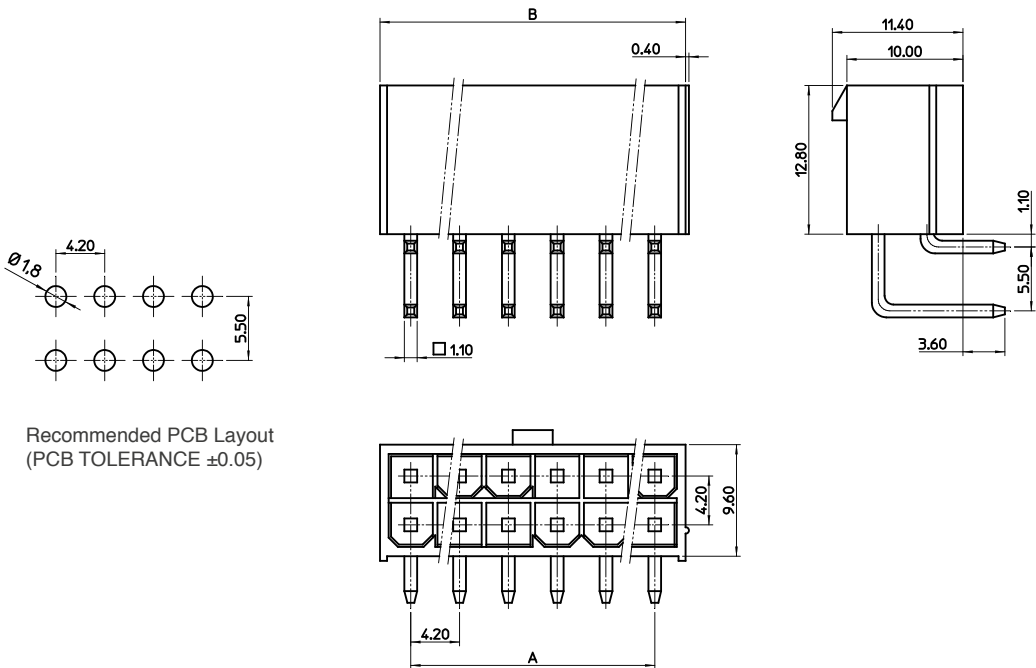


Features	Minipower right angle header
Material	Insulator: PA 66 Contact: Brass Tin Plated
Electrical	Current rating: 9 A Voltage rating: 600 V Dielectric withstanding: 1500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
476	840x	0xx	540

B	7: without post 8: with post
C	Number of contacts from 02 to 24

Position	A	B
02	...	5.40
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
RIGHT ANGLE PTH

MINIPOWER

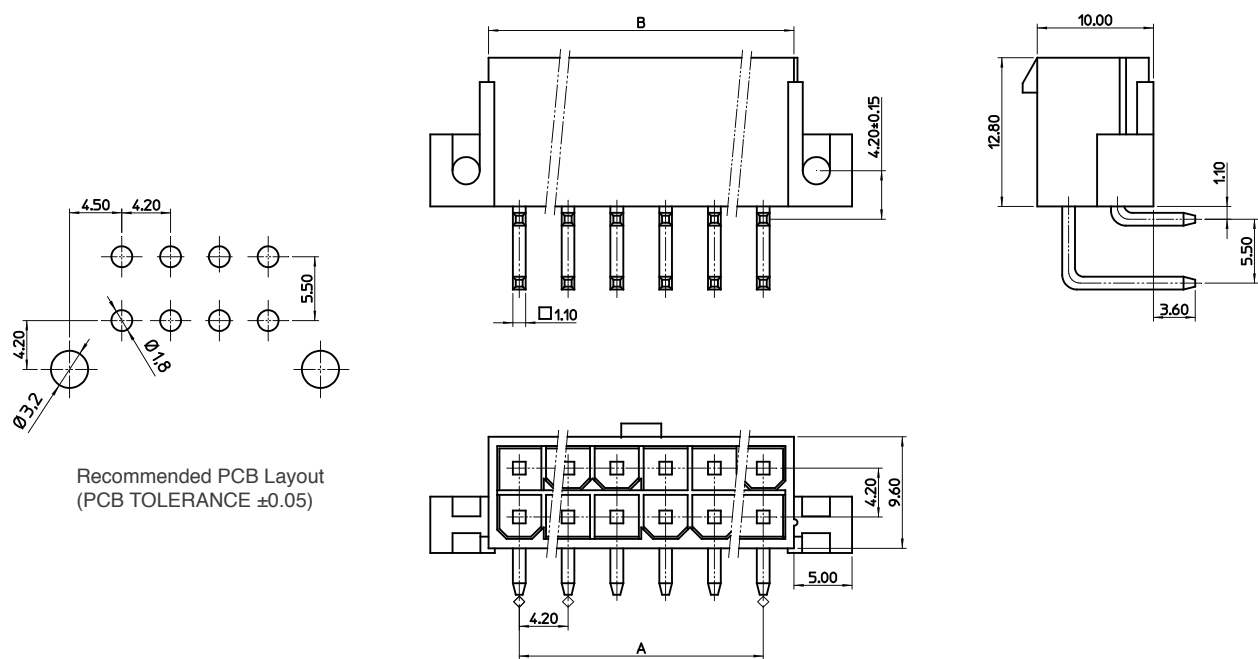


- Features**Minipower right angle header
- Material**Insulator: PA 66
Contact: Brass Tin Plated
- Electrical**Current rating: 9 A
Voltage rating: 600 V
Dielectric withstanding: 1500 V AC
Insulation resistance: 1000 MΩ mini
Contact resistance: 10 mΩ max
- Mechanical**Temperature Range: -25 °C to 85 °C

Product Code			
A	B	C	D
476	8409	0xx	540

C	Number of contacts from 02 to 24
---	----------------------------------

Position	A	B
02	...	5.40
04	4.20	9.60
06	8.40	13.80
08	12.60	18.00
10	16.80	22.20
12	21.00	26.40
14	25.20	30.60
16	29.40	34.80
18	33.60	39.00
20	37.80	43.20
22	42.00	47.40
24	46.20	51.60



“Due to technical progress, all design, specification and components are subject to change without notice”.

HEADER
VERTICAL PTH

RAST 5

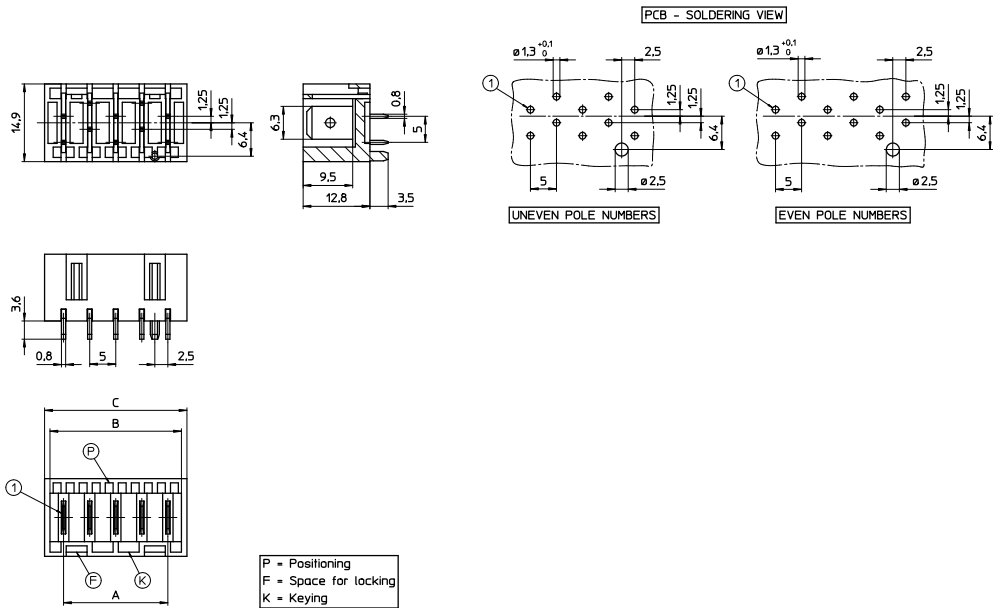


Features	PCB male header, pitch 5 mm
Material	Insulator: PA 66 UL-V0 GWT-compliant Contact: Brass Tin Plated
Electrical	Current rating: 10 A Dielectric withstanding: 250 V Insulation resistance: 1000 Ω mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -30 °C to 120 °C

Product Code				
A	B	C	D	E
CTR1	P5	xx	Vyy	NA

C	Number of contacts from 02 to 16
D	Different version, depending on P-F-K
E	NA: Natural color of the plastic body

Position	A	B	C
02	5.00	10.20	12.30
03	10.00	15.20	17.30
04	15.00	20.20	22.30
05	20.00	25.20	27.30
06	25.00	30.20	32.30
07	30.00	35.20	37.30
08	35.00	40.20	42.30
09	40.00	45.20	47.30
10	45.00	50.20	52.30
11	50.00	55.20	57.30
12	55.00	60.20	62.30
13	60.00	65.20	67.30
14	65.00	70.20	72.30
15	70.00	75.20	77.30
16	75.00	80.20	82.30



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HEADER
HORIZONTAL PTH

RAST 5 90°

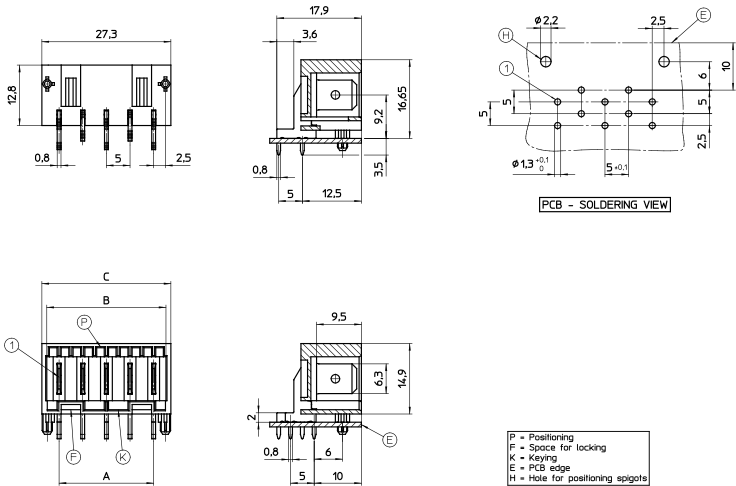


Features	PCB male header, 90°, pitch 5 mm
Material	Insulator: PA 66 UL-V0 GWT-compliant Contact: Brass Tin Plated
Electrical	Current rating: 10 A Dielectric withstanding: 250 V Insulation resistance: 1000 Ω mini Contact resistance: 10 mΩ max
Mechanical	Temperature Range: -30 °C to 120 °C

Product Code					
A	B	C	D	E	F
CTR1	P5	xx	SQ	Vyy	NA

C	Number of contacts from 02 to 12
D	SQ: 90° version
E	Different version, depending on P-F-K
F	NA: Natural colour of the plastic body

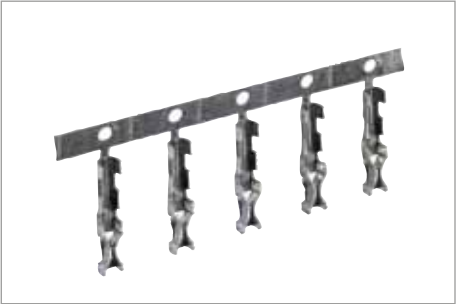
Position	A	B	C
02	5.00	10.20	12.30
03	10.00	15.20	17.30
04	15.00	20.20	22.30
05	20.00	25.20	27.30
06	25.00	30.20	32.30
07	30.00	35.20	37.30
08	35.00	40.20	42.30
09	40.00	45.20	47.30
10	45.00	50.20	52.30
11	50.00	55.20	57.30
12	55.00	60.20	62.30



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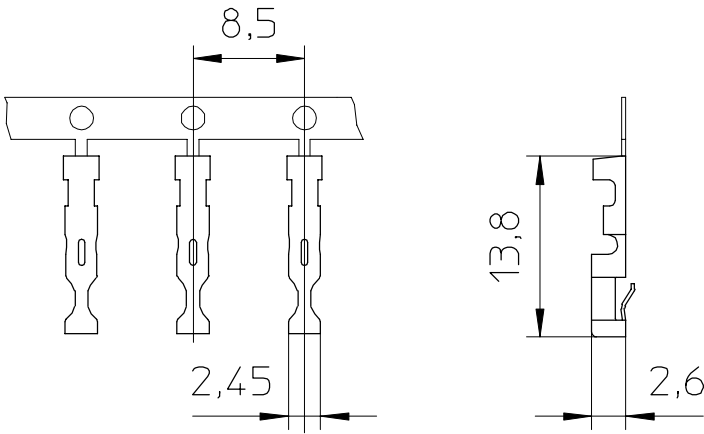
WIRE TO BOARD
CRIMP CONTACT

CT84SN



Features	Double wipe contact use with BS95 Housing awg 30-16
Material	Double wipe contact use with BS442 Housing
Electrical	Current rating: 4 A
Mechanical	Temperature rating: -30 °C to 85 °C
Packaging	Reel 10.000 pcs

Product Code	
A	
CT84SN	



WIRE TO BOARD
HOUSING

BS95

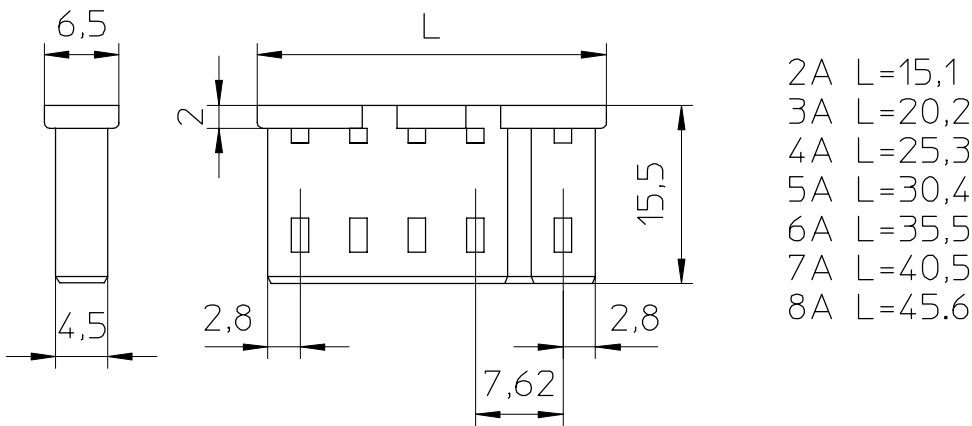


Features	Single row housing, use with ct84 contact mates with CFM 5.08 Header
Material	PPOM UL94V1 Gray colour
Electrical	Voltage 320V
Mechanical	Temperature rating: -30 °C to 85 °C

Product Code

A	B	C
BS95	/x	GR

B	Number of contacts from 02 to 08
---	----------------------------------



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WIRE TO BOARD
SHROUDED HEADER

CFM

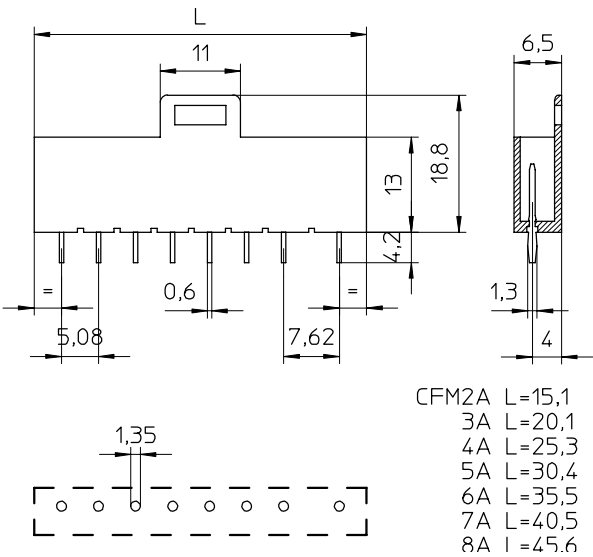


Features	Friction lock single row header, mates with BS95
Material	PA UL94VO
Electrical	Voltage 320 V Current rating 4A
Mechanical	Temperature rating: -30 °C to 85 °C

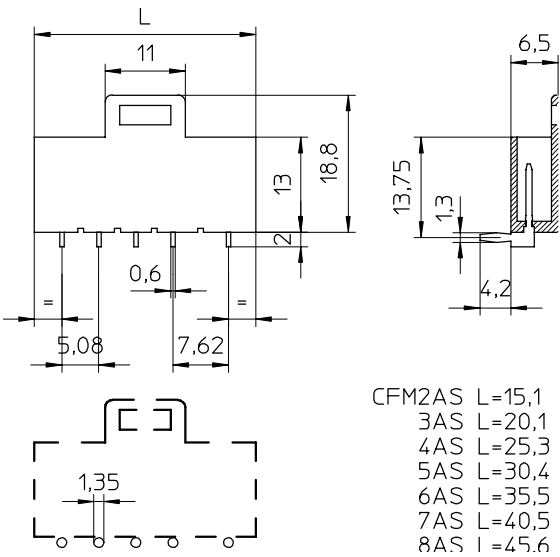
Product Code			
A	B	C	D
CFM	/xx	x	GR

B	Number of contacts from 02 to 08
C	A: straight AS: right angle

Version A



Version AS



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WIRE TO BOARD

FAST - ON

CQ

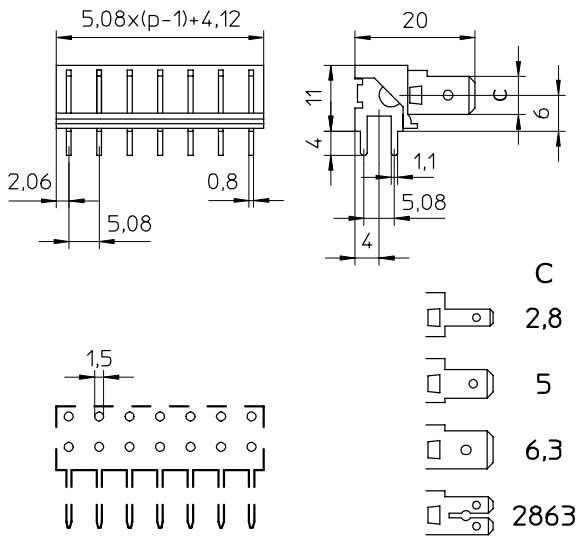


Features	Fast - on header 5.08 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 200 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

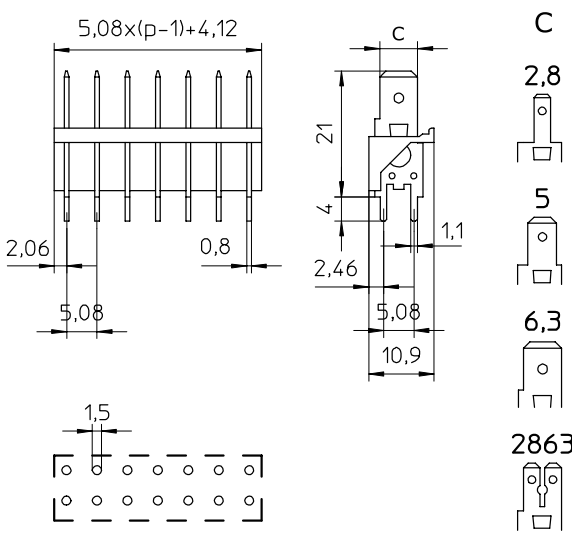
Product Code			
A	B	C	D
CQx	/Ax	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 17
C	Terminal shape (see drawing)

Version Q



Version S



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WIRE TO BOARD
FAST - ON

CQ

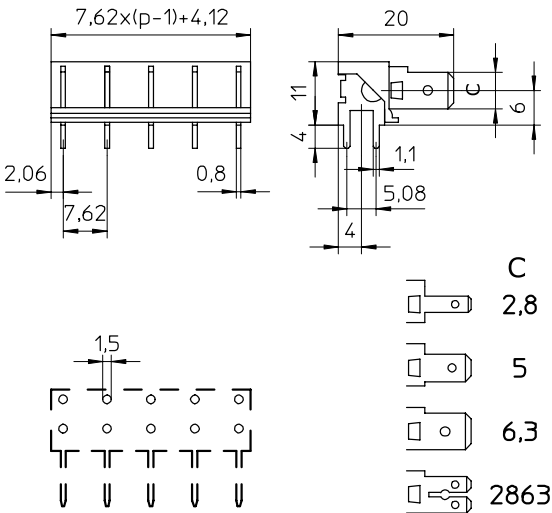


Features	Fast - on header 7.62 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 320 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

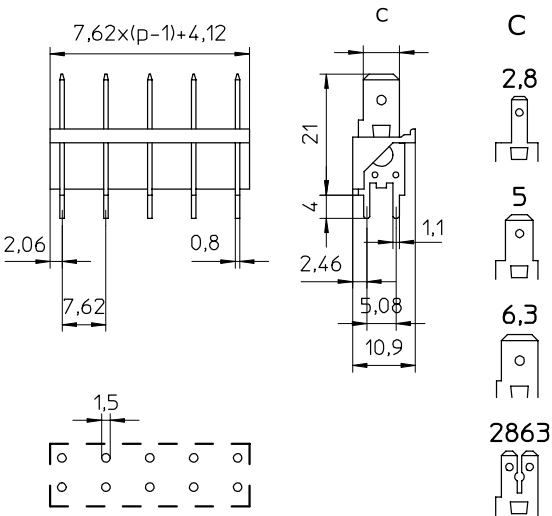
Product Code			
A	B	C	D
CQx	/Bx	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 11
C	Terminal shape (see drawing)

Version Q



Version S



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WIRE TO BOARD
FAST - ON

CQ

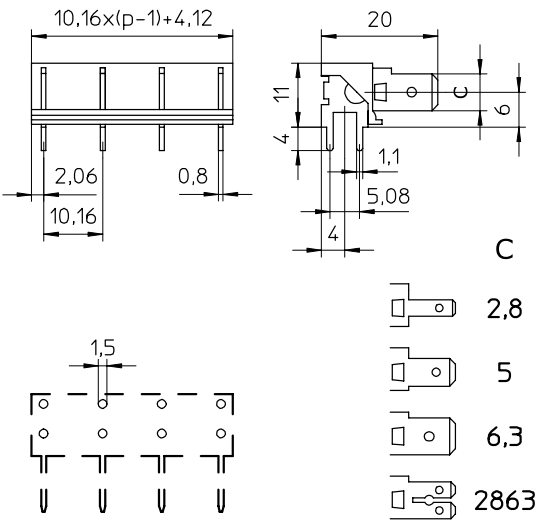


Features	Fast - on header 10.16 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 500 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

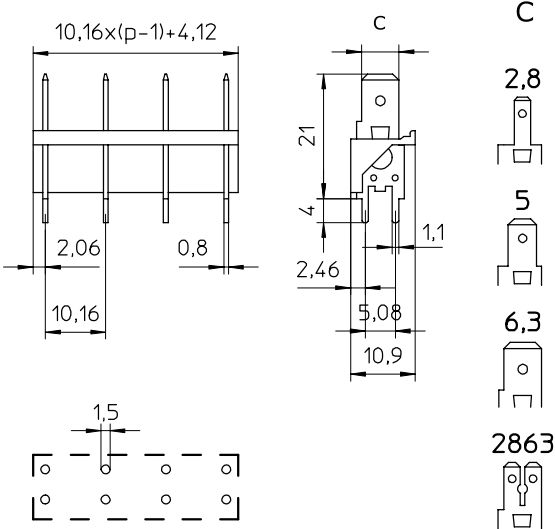
Product Code			
A	B	C	D
CQx	/Cx	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 09
C	Terminal shape (see drawing)

Version Q



Version S



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WIRE TO BOARD
FAST - ON

CQ

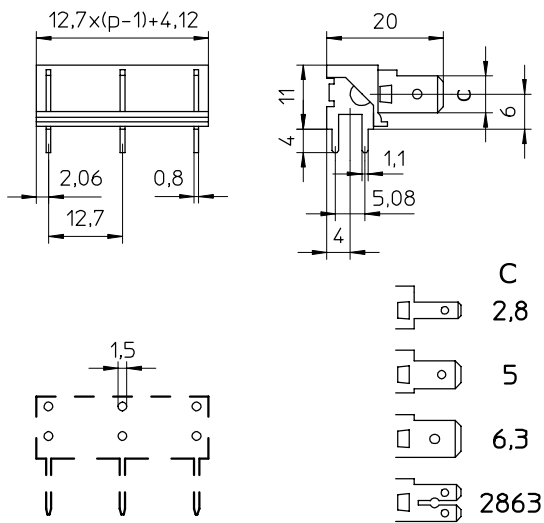


Features	Fast - on header 12.7 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 630 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

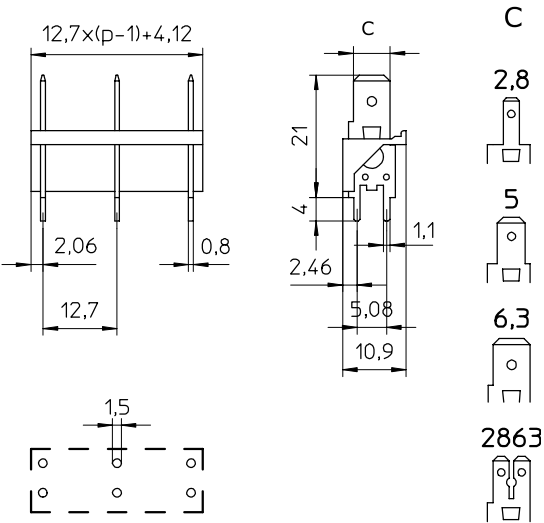
Product Code			
A	B	C	D
CQx	/Dx	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 07
C	Terminal shape (see drawing)

Version Q



Version S



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WIRE TO BOARD
FAST - ON

CQ

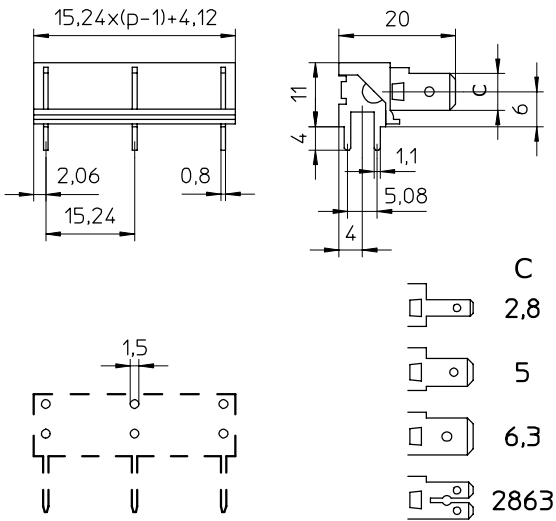


Features	Fast - on header 15.24 mm pitch UL file number E150931
Material	Insulator: PC UL94V0 Contact: FeP02 Plating Ni+Sn
Electrical	Voltage 630 V Current rating depending on contact shape C 2.8=6A 5=10 A 6.3=16 A 2863=16 A max depending on cable side
Mechanical	Temperature rating: -30 °C to 85 °C

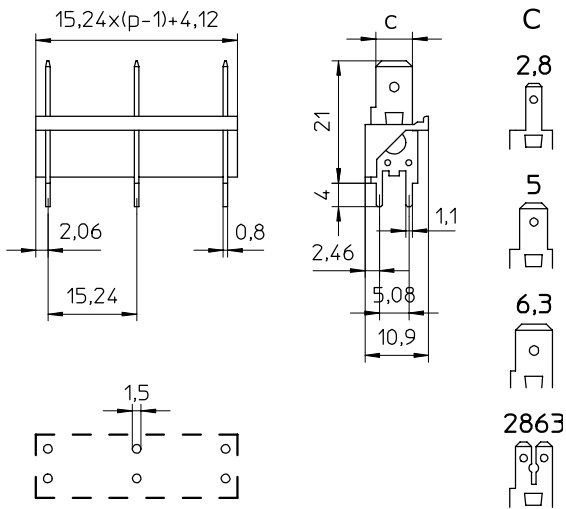
Product Code			
A	B	C	D
CQx	/Ex	/x	NE

A	Version: S Straight Q Right angle
B	Number of contacts from 02 to 06
C	Terminal shape (see drawing)

Version Q



Version S



“Due to technical progress, all design, specification and components are subject to change without notice”.

FFC CONNECTION

Note:

PLATING standard version

Gold 0.25 μm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

FFC CABLES AND CONNECTORS

FFC CONNECTOR SIDE ENTRY BOTTOM CONTACT

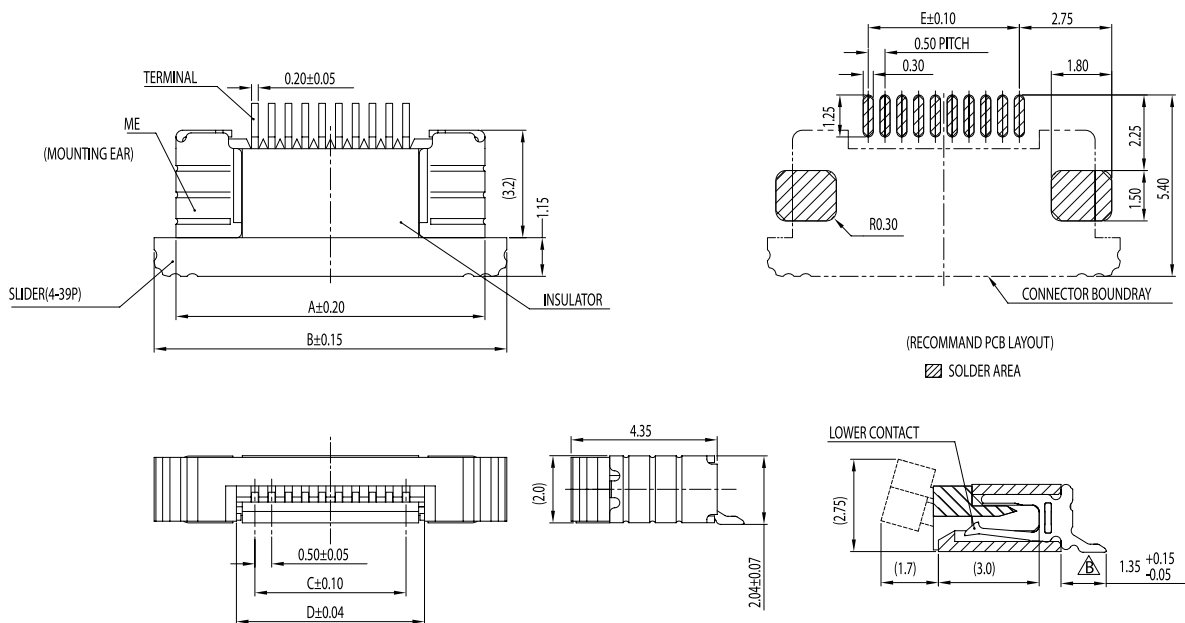
FFC CONNECTOR



Features	Connector pitch 0.5 mm for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

Product Code				
A	B	C	D	E
503	8113	0xx	440	-x

D	Number of contacts from 04 to 39
E	T: Tube packaging R: Tape & Reel packaging



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FFC CABLES AND CONNECTORS

FFC CONNECTOR SIDE ENTRY BOTTOM CONTACT

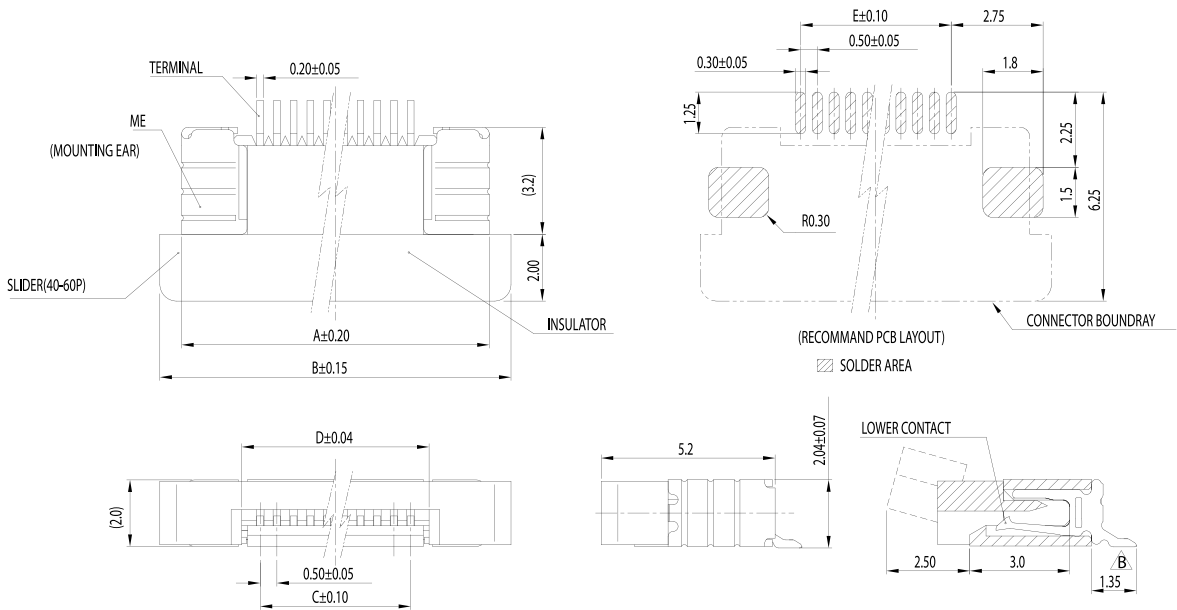
FFC CONNECTOR



Features	Connector pitch 1.0 mm Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

Product Code				
A	B	C	D	E
503	8114	0xx	440	-x

D	Number of contacts from 40 to 50
E	T: Tube packaging R: Tape & Reel packaging



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FFC CABLES AND CONNECTORS

FFC CONNECTOR SIDE ENTRY UPPER CONTACT

FFC CONNECTOR



- Features

Connector pitch 0.5 mm
Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
- Material

Insulator: NY-9T UL 94V0
Actuator: PPS UL 94V0
Contact: Phosphore Bronze
Plating: Tin
- Electrical

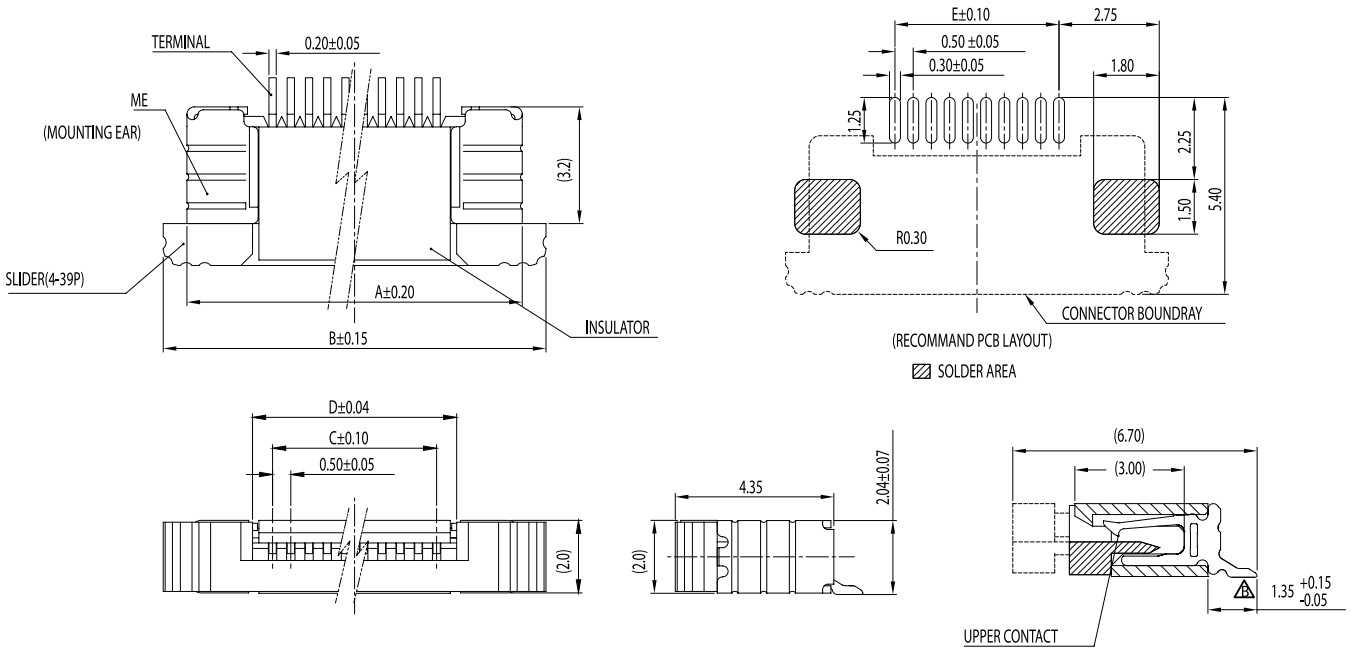
Current rating: 0.5 A
Dielectric withstanding: 250 VAC
Insulation resistance: 50 MΩ mini
Contact resistance: 20 mΩ max
- Mechanical

Operating Temperature: -20 °C to 85 °C
- Packaging

Tube or T&R

Product Code				
A	B	C	D	E
503	8111	0xx	440	-x

D	Number of contacts from 04 to 39
E	T: Tube packaging R: Tape & Reel packaging



“Due to technical progress, all design, specification and components are subject to change without notice”.

FFC CABLES AND CONNECTORS

FFC CONNECTOR SIDE ENTRY UPPER CONTACT

FFC CONNECTOR



- Features

Connector pitch 0.5 mm
Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
- Material

Insulator: NY-9T UL 94V0
Actuator: PPS UL 94V0
Contact: Phosphore Bronze
Plating: Tin
- Electrical

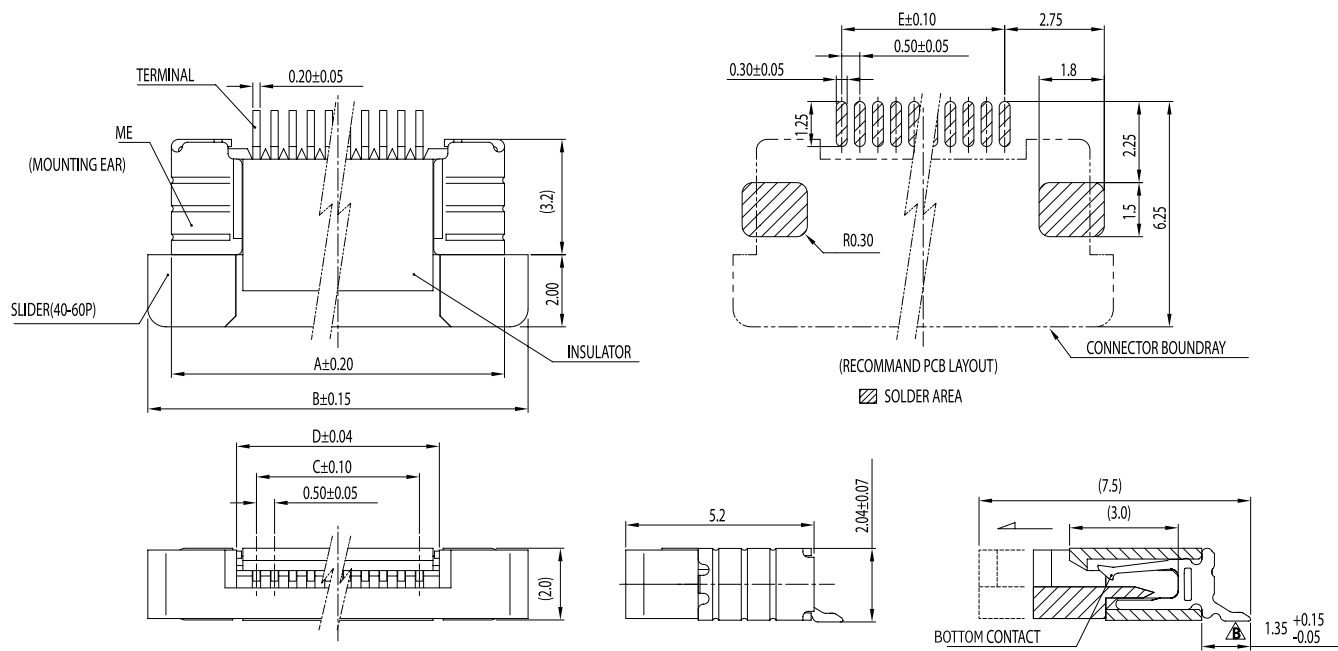
Current rating: 0.5 A
Dielectric withstanding: 250 VAC
Insulation resistance: 50 MΩ mini
Contact resistance: 20 mΩ max
- Mechanical

Operating Temperature: -20 °C to 85 °C
- Packaging

Tube or T&R

Product Code				
A	B	C	D	E
503	8112	0xx	440	-x

D	Number of contacts from 40 to 50
E	T: Tube packaging R: Tape & Reel packaging



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FFC CABLES AND CONNECTORS

FFC CONNECTOR SIDE ENTRY BOTTOM CONTACT

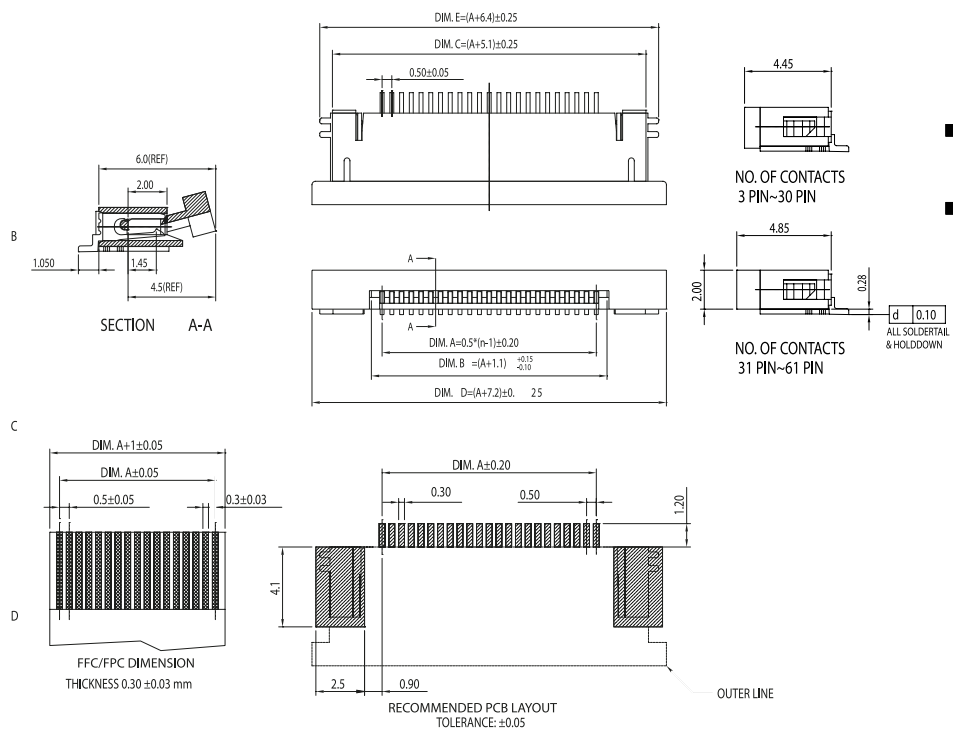
FFC CONNECTOR



Features	Connector pitch 0.5 mm Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
Material	Housing: PA 4.6 Actuator: PA9T Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 250 VAC Insulation resistance: 50 MΩ mini Contact resistance: 20 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tube or T&R

Product Code					
A	B	C	D	E	F
503	8118	0	xx	440	-x

D	Number of contacts from 04 to 60
E	T: Tube packaging R: Tape & Reel packaging



“Due to technical progress, all design, specification and components are subject to change without notice”.

FFC CABLES AND CONNECTORS

FFC CONNECTOR SIDE ENTRY BOTTOM CONTACT

FFC

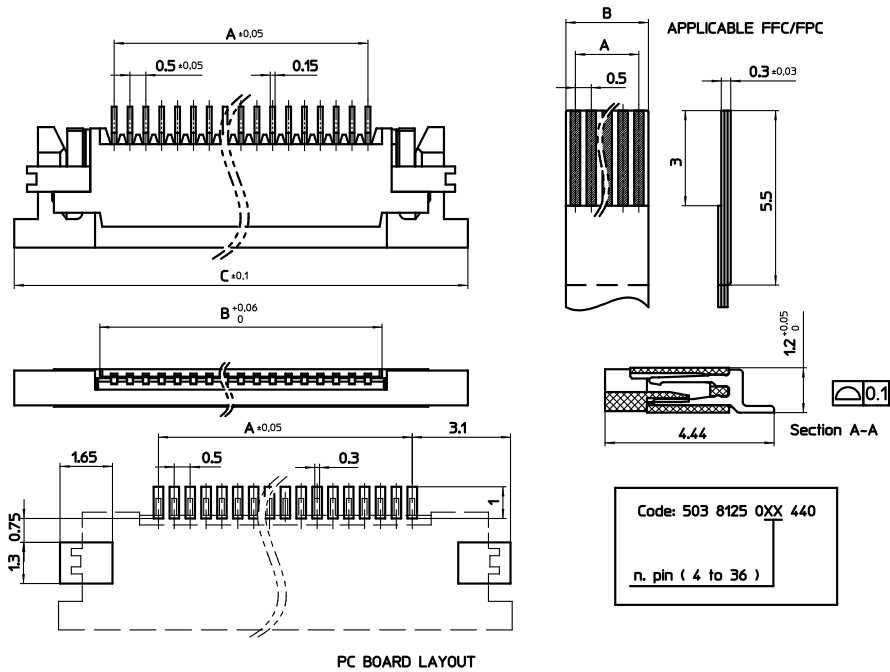


Features	Connector pitch 0.5mm for FFC/FPC
Material	Insulator: LCP Actuator: PPS Contact: Phosphor Bronze Plating: Tin
Electrical	Current rating: 0.5 A AC, DC Voltage rating: 50 V AC, DC Withstand voltage: 200 V/min Insulation resistance: $\geq 500\text{ M}\Omega$ Contact resistance: $\leq 0.03\text{ }\Omega$ mini
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tube or T&R

Product Code			
A	B	C	D
503	8125	0xx	440

C	Number of contacts from 04 to 36
---	----------------------------------

PIN	A	B	C
04	1.5	2.5	7.8
05	2.0	3.0	8.3
06	2.5	3.5	8.8
07	3.0	4.0	9.3
08	3.5	4.5	9.8
09	4.0	5.0	10.3
10	4.5	5.5	10.8
11	5.0	6.0	11.3
12	5.5	6.5	11.8
13	6.0	7.0	12.3
14	6.5	7.5	12.8
15	7.0	8.0	13.3
16	7.5	8.5	13.8
17	8.0	9.0	14.3
18	8.5	9.5	14.8
19	9.0	10.0	15.3
20	9.5	10.5	15.8
21	10.0	11.0	16.3
22	10.5	11.5	16.8
23	11.0	12.0	17.3
24	11.5	12.5	17.8
25	12.0	13.0	18.3
26	12.5	13.5	18.8
27	13.0	14.0	19.3
28	13.5	14.5	19.8
29	14.0	15.0	20.3
30	14.5	15.5	20.8
31	15.0	16.0	21.3
32	15.5	16.5	21.8
33	16.0	17.0	22.3
34	16.5	17.5	22.8
35	17.0	18.0	23.3
36	17.5	18.5	23.8



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FFC CABLES AND CONNECTORS

FFC CONNECTOR VERTICAL

FFC CONNECTOR



- Features

Connector pitch 0.5 mm
Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
- Material

Insulator: NY-9T UL 94V0
Actuator: PPS UL 94V0
Contact: Phosphore Bronze
Plating: Tin
- Electrical

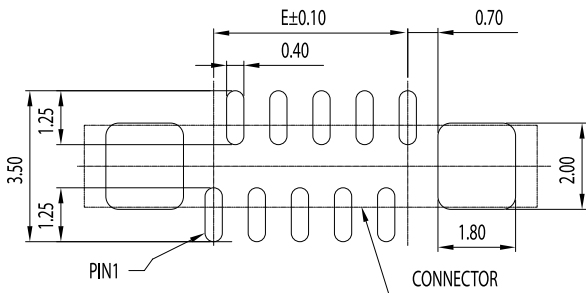
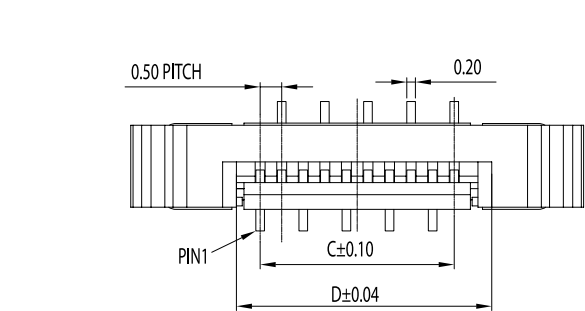
Current rating: 0.5 A
Dielectric withstanding: 250 VAC
Insulation resistance: 50 MΩ mini
Contact resistance: 20 mΩ max
- Mechanical

Operating Temperature: -20 °C to 85 °C
- Packaging

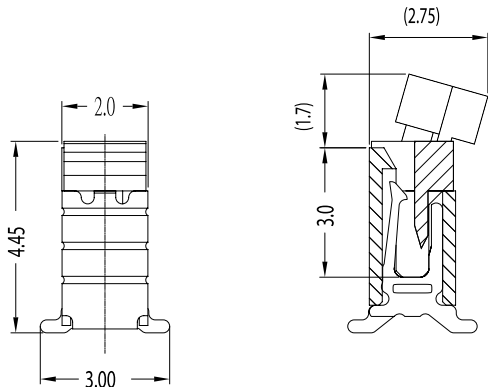
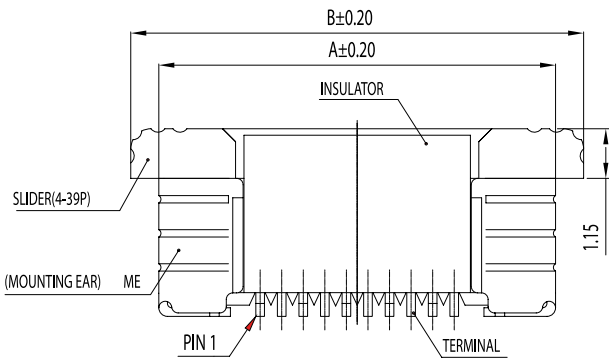
Tube or T&R

Product Code				
A	B	C	D	E
503	8115	0xx	440	-x

D	Number of contacts from 04 to 39
E	T: Tube packaging R: Tape & Reel packaging



(RECOMMAND PCB LAYOUT)



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FFC CABLES AND CONNECTORS

FFC CONNECTOR VERTICAL

FFC CONNECTOR



- Features

Connector pitch 0.5 mm
Connector for FFC/FPC thickness: 0.30 +/- 0.03 mm
- Material

Insulator: NY-9T UL 94V0
Actuator: PPS UL 94V0
Contact: Phosphore Bronze
Plating: Tin
- Electrical

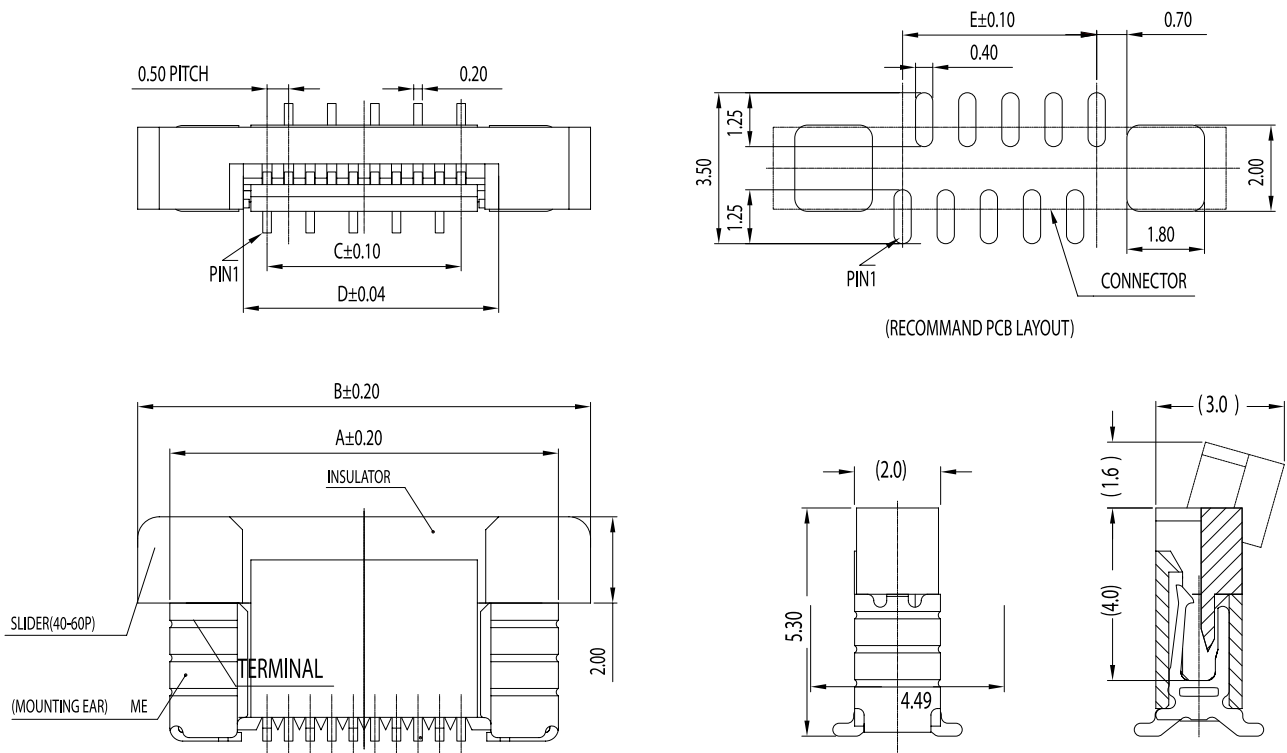
Current rating: 0.5 A
Dielectric withstanding: 250 VAC
Insulation resistance: 50 MΩ mini
Contact resistance: 20 mΩ max
- Mechanical

Operating Temperature: -20 °C to 85 °C
- Packaging

Tube or T&R

Product Code				
A	B	C	D	E
503	8116	0xx	440	-x

D	Number of contacts from 04 to 50
E	T: Tube packaging R: Tape & Reel packaging

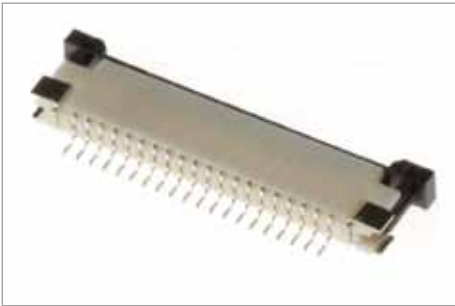


“Due to technical progress, all design, specification and components are subject to change without notice”.

FFC CABLES AND CONNECTORS

FFC CONNECTOR SIDE ENTRY BOTTOM CONTACT

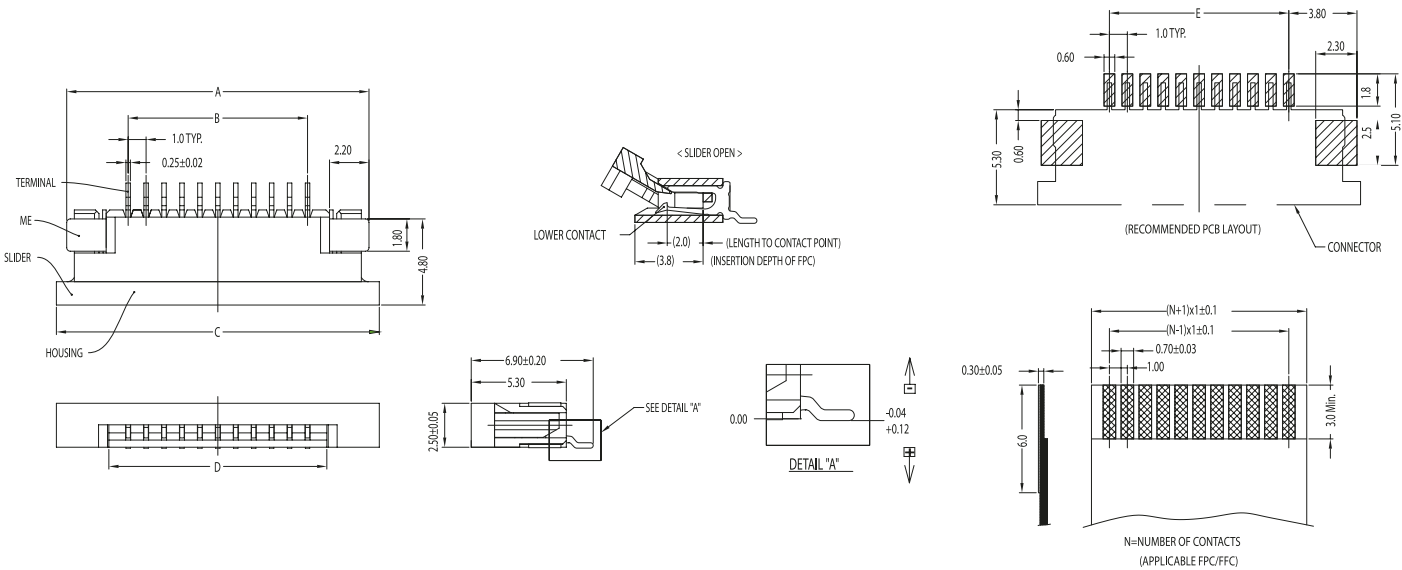
FFC CONNECTOR



Features	Connector pitch 1.0 mm Connector for FFC/FPC thickness: from 0.25 mm to 0.35 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 500 VAC Insulation resistance: 500 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tube or T&R

Product Code				
A	B	C	D	E
503	8121	9xx	440	-x

D	Number of contacts from 04 to 34
E	T: Tube packaging R: Tape & Reel packaging

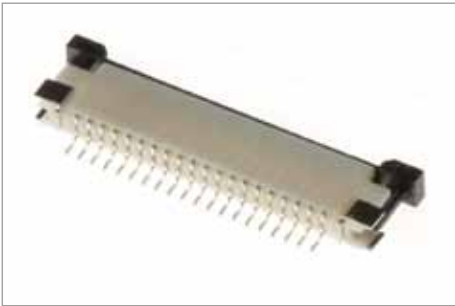


“Due to technical progress, all design, specification and components are subject to change without notice”.

FFC CABLES AND CONNECTORS

FFC CONNECTOR SIDE ENTRY UPPER CONTACT

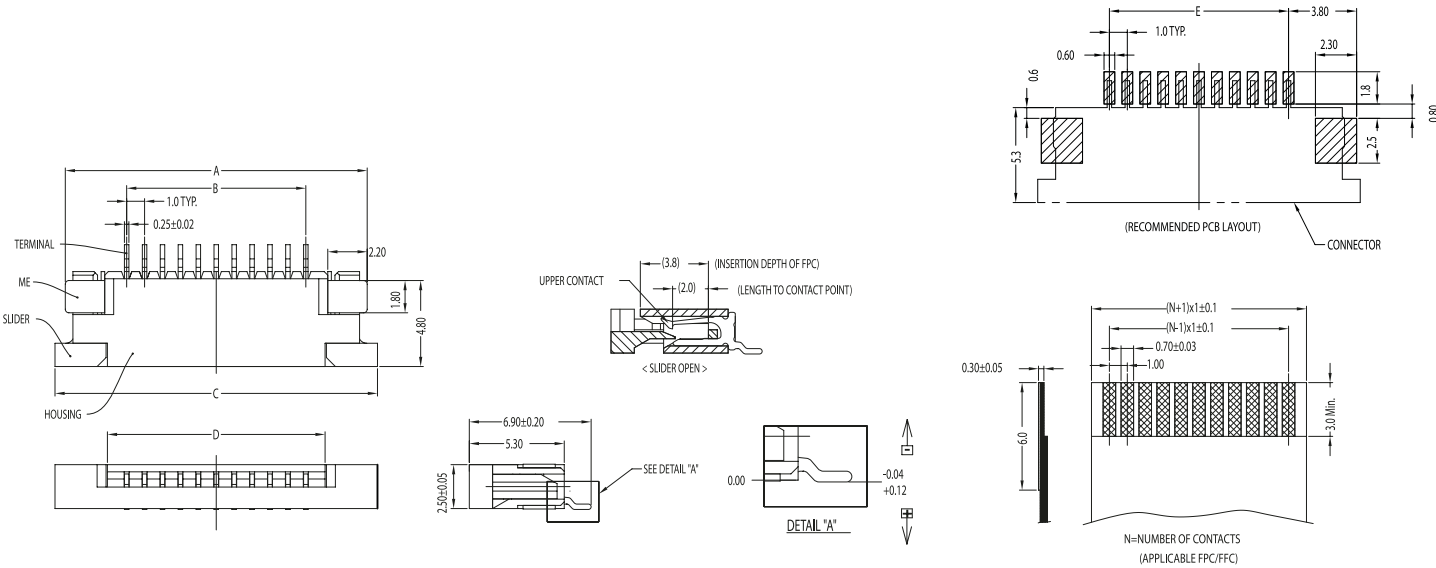
FFC CONNECTOR



Features	Connector pitch 1.0 mm Connector for FFC/FPC thickness: from 0.25 mm to 0.35 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 500 VAC Insulation resistance: 500 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tube or T&R

Product Code				
A	B	C	D	E
503	8122	9xx	440	-x

D	Number of contacts from 04 to 34
E	T: Tube packaging R: Tape & Reel packaging



“Due to technical progress, all design, specification and components are subject to change without notice”.

FFC CABLES AND CONNECTORS

FFC CONNECTOR VERTICAL

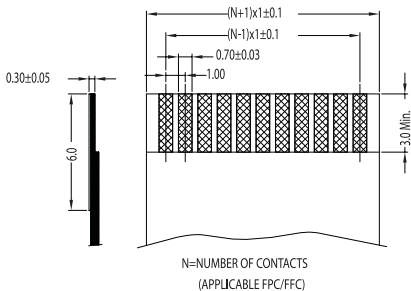
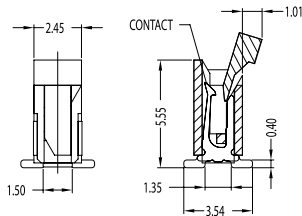
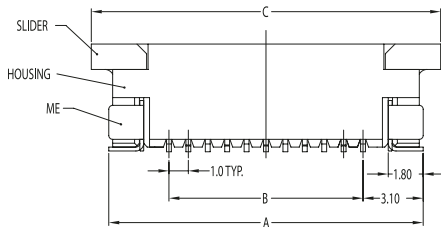
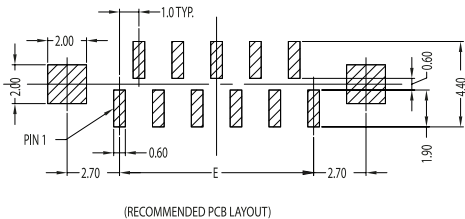
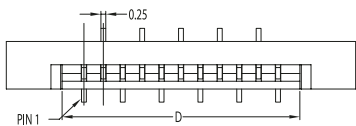
FFC CONNECTOR



Features	Connector pitch 1.0 mm Connector for FFC/FPC thickness: from 0.25 mm to 0.35 mm
Material	Insulator: NY-9T UL 94V0 Actuator: PPS UL 94V0 Contact: Phosphore Bronze Plating: Tin
Electrical	Current rating: 0.5 A Dielectric withstanding: 500 VAC Insulation resistance: 500 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tube or T&R

Product Code				
A	B	C	D	E
503	8120	9xx	44x	-x

C	Number of contacts from 04 to 34
D	See drawing
E	T: Tube packaging R: Tape & Reel packaging



“Due to technical progress, all design, specification and components are subject to change without notice”.

FFC CABLES AND CONNECTORS

SAME SIDE CONTACT FFC CABLE

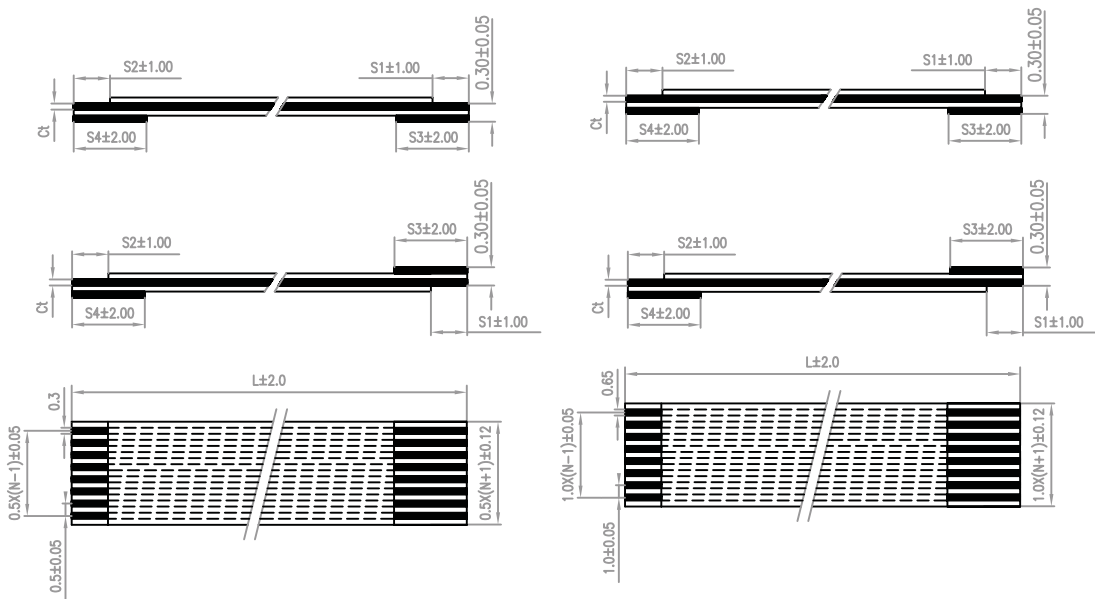
FFC



Material	Insulator: Flame retardant polyester
	Conductor: Copper
	Supporting tape: Flame retardant polyester
Electrical	Current rating: 1A
	Voltage: depending the UL style
Mechanical	Operating Temperature: -20 °C to 85 °C

Product Code							
A	B	C	D	E	F	G	H
GK	xxxx	xx	2	x	x	x	BBEE

B	Total length: in mm (minimum 0050)
C	Number of coductors
E	Pitch 1: 0.5 mm 2: 1 mm
F	Connection side 3: same side 4: opposite side
G	1: UI standard 2896 (80°c/30v) 2: UI standard 20624 (80°c/60v) 5: UI standard 20783 (105°c/60v)



“Due to technical progress, all design, specification and components are subject to change without notice”.

I/O

Note:

PLATING standard version

Gold 0.25 μm
Gold Flash
Tin

PLATING upon request

Selective Gold Flash
Selective Gold

Packing standard version

Box
Tube

Packing upon request

T&R
T&R + Cap
Tube + Cap

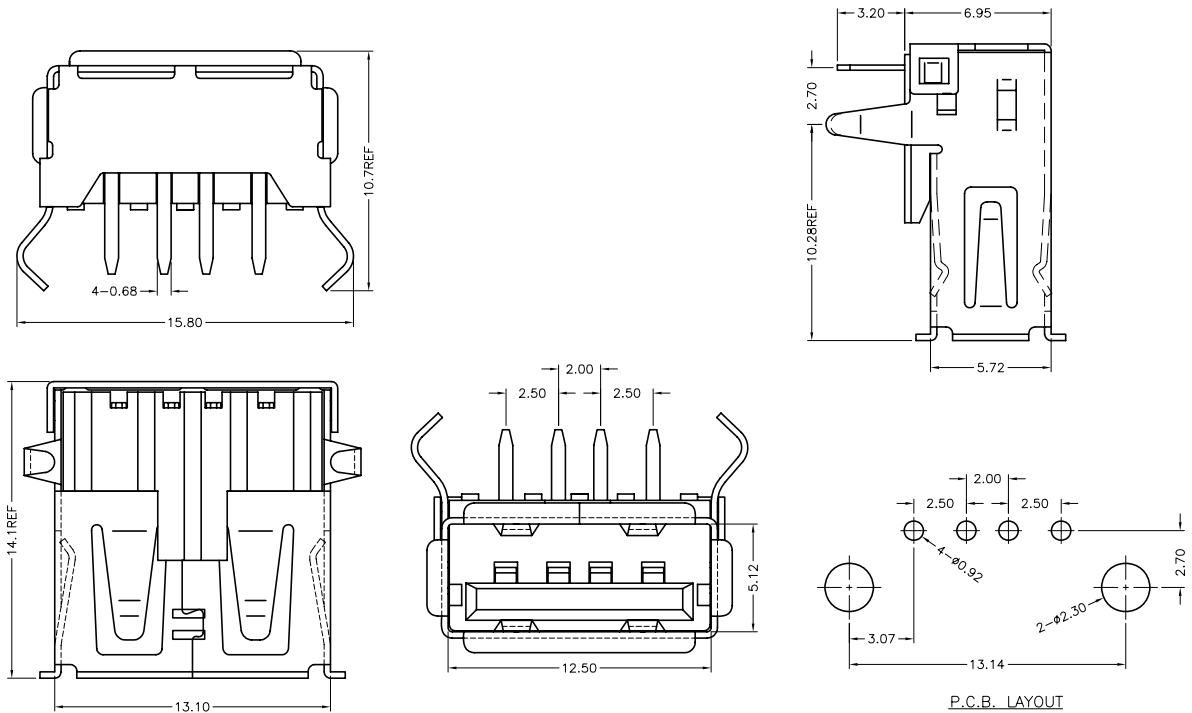
I/O
RECEPTACLE SIDE ENTRY

USB A TYPE



Features	TH fitting nails
Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 V AC Current: 1 A Dielectric withstanding: 500 V AC Insulation resistance: 1000 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tray, Tube or Tape & Reel

Product Code			
A	B	C	D
504	7902	004	410



“Due to technical progress, all design, specification and components are subject to change without notice”.

I/O
RECEPTACLE SIDE ENTRY

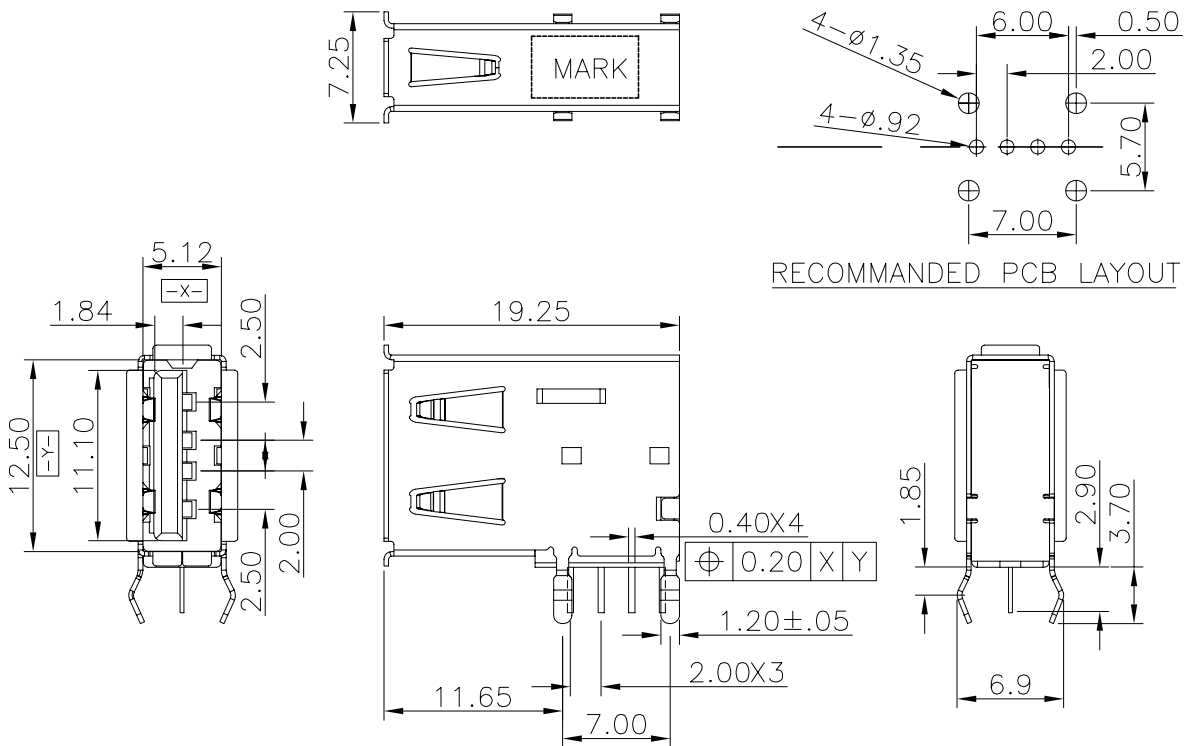
USB A TYPE



Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Brass Nickel plated Contact: Phosphor bronze Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30V AC Current: 1 A Dielectric Withstanding: 500V AC Insulation Resistance: 1000 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -40 °C to 85 °C
Packaging	Tray, Tube or Tape & Reel

Product Code				
A	B	C	D	E
504	7907	004	41x	-x

C	Packaging Leave blank for tray T: Tube TR: Tape & Reel
E	Packaging Leave blank for tray T: Tube



“Due to technical progress, all design, specification and components are subject to change without notice”.

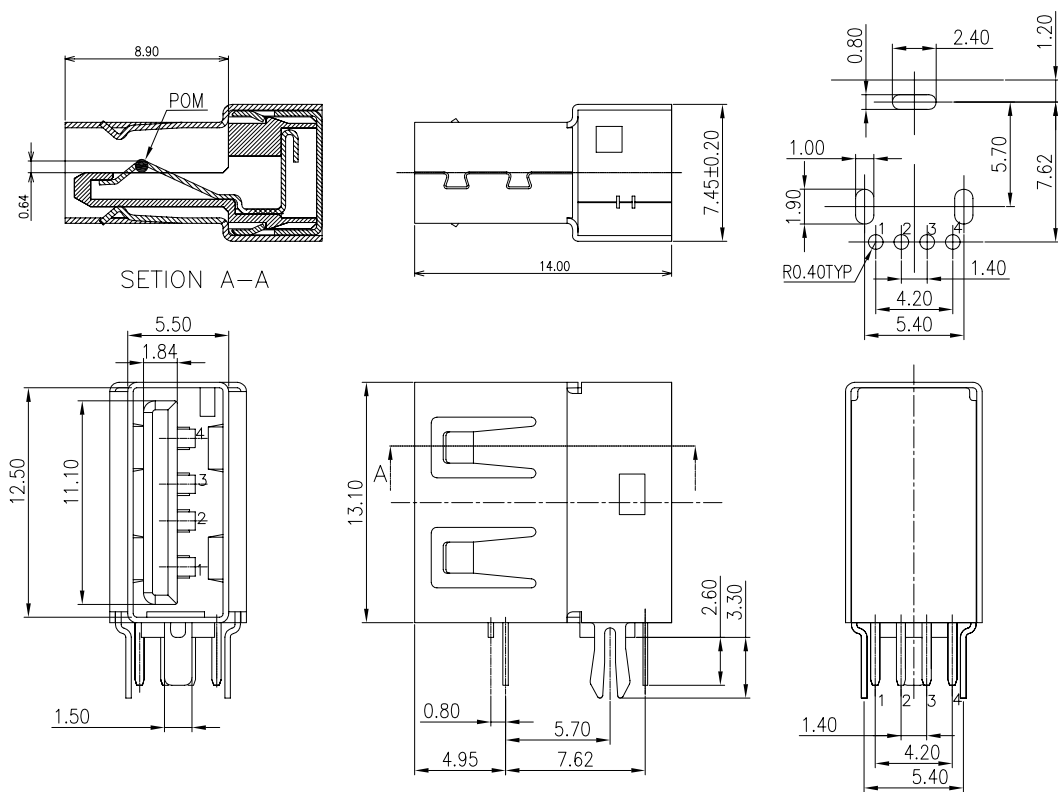
USB A TYPE



Packaging Tray

A	B	C	D
504	7905	004	41x

D	Colour 0: White 1: Black
----------	--------------------------------



I/O
RECEPTACLE VERTICAL

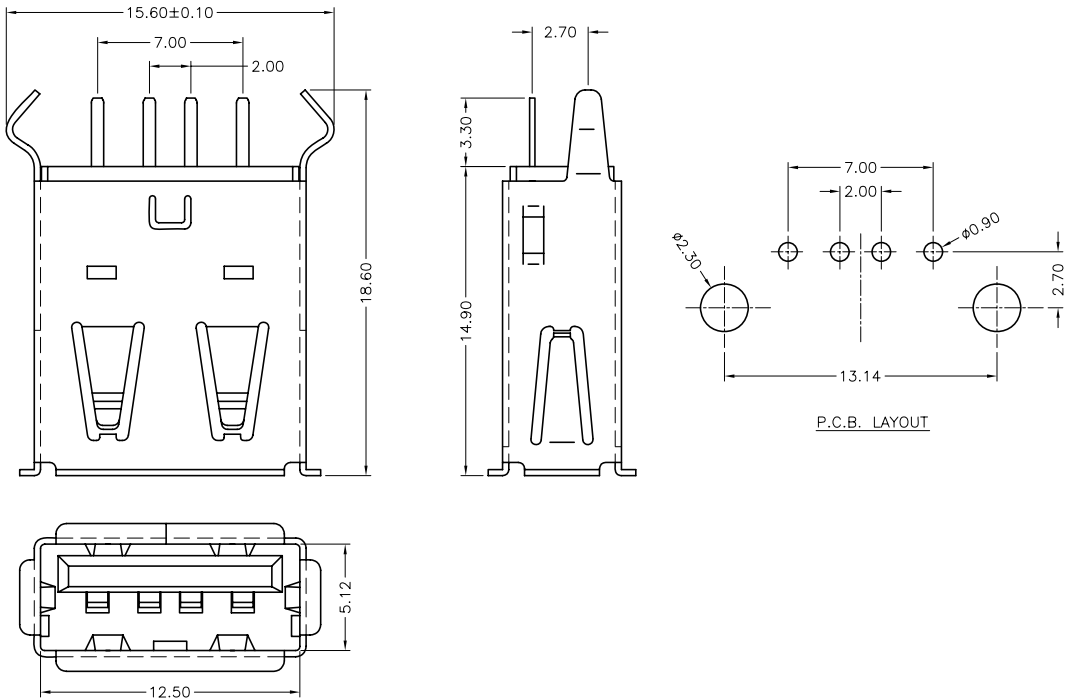
USB A TYPE



Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 V AC Current: 1 A Dielectric Withstanding: 750 V AC Insulation Resistance: 1000 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tray

Product Code			
A	B	C	D
504	7903	004	41x

D	Colour
	0: White
	1: Black



“Due to technical progress, all design, specification and components are subject to change without notice”.

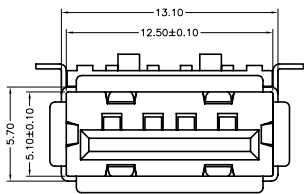
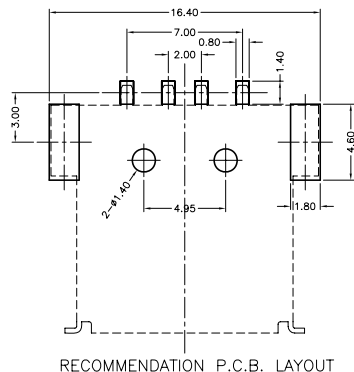
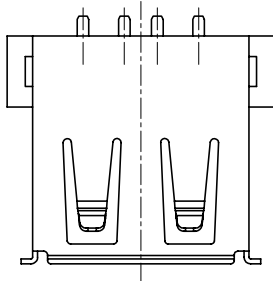
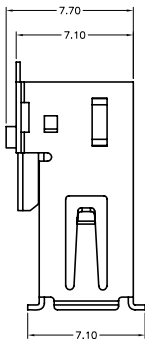
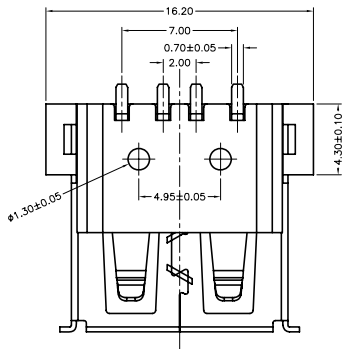
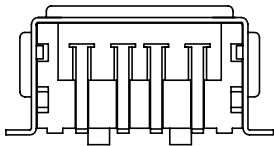
USB A TYPE



Material	Insulator: High temperature thermoplastic UL 94V0 Shell: Copper alloy Nickel plated Contact: Copper alloy Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 V AC Current: 1 A Dielectric Withstanding: 500 V AC Insulation Resistance: 1000 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C
Packaging	Tray

Product Code			
A	B	C	D
504	7904	004	41x

D	Colour
0	White
1	Black



“Due to technical progress, all design, specification and components are subject to change without notice”.

I/O
RECEPTACLE SIDE ENTRY

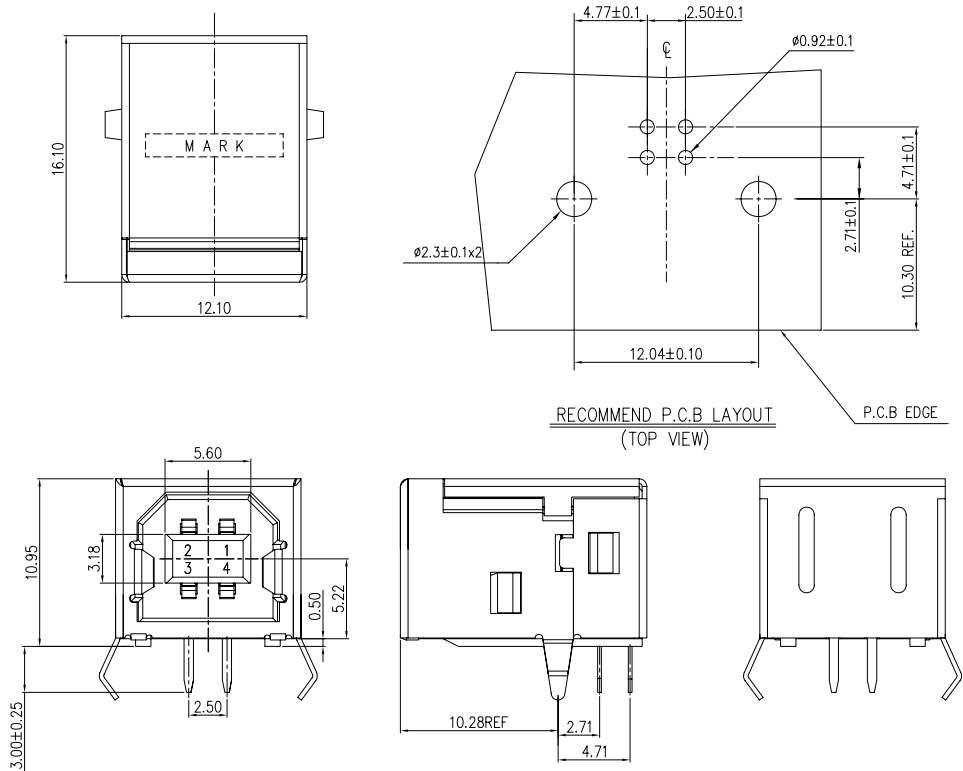
USB B TYPE



Material	Insulator: Thermoplastic, glass fiber fileld UL 94V0 Shell: Brass, Nickel plated Contact: Phosphore Bronze Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 VAC Current: 1 A Dielectric Withstanding: 750 V AC Insulation Resistance: 1000 MΩ mini Contact resistance: 30 mΩ max
Mechanical	Mating force: 3.57 kg max Unmating force: 1.02 kg min
Packaging	Tray

Product Code			
A	B	C	D
504	7901	004	41x

D	Colour
0	White
1	Black



“Due to technical progress, all design, specification and components are subject to change without notice”.

I/O
RECEPTACLE SIDE ENTRY SMT

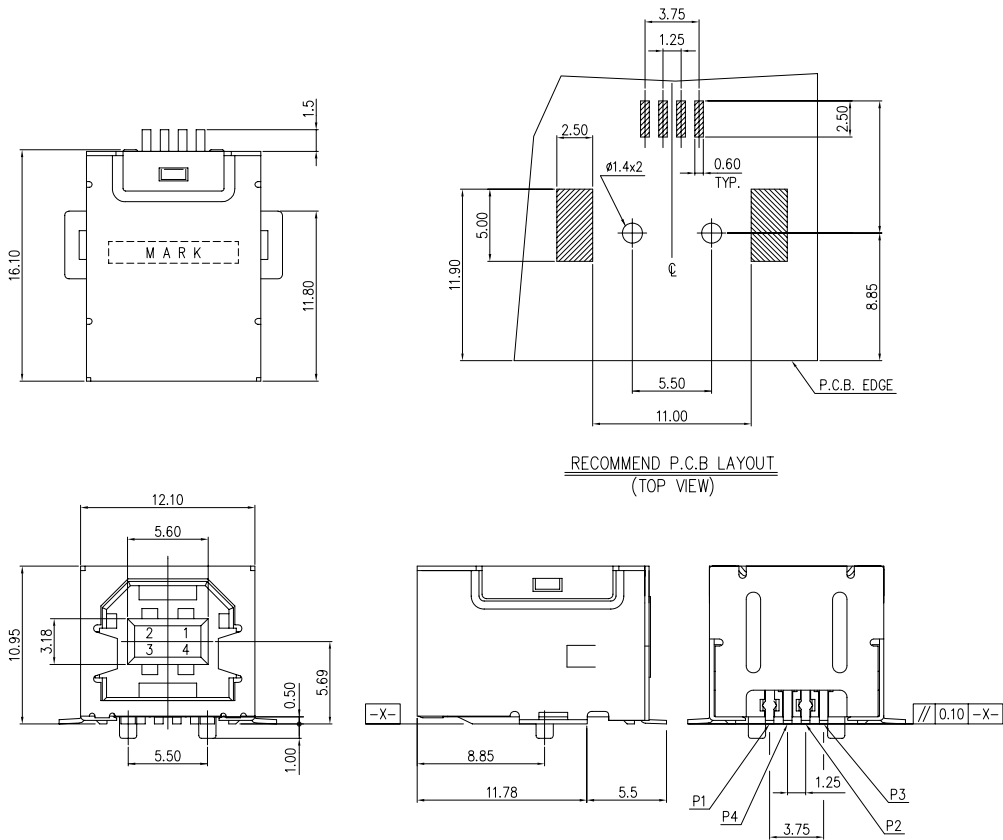
USB B TYPE



Material	Insulator: High temperature thermoplastic UL 94V0
	Shell: Brass Nickel plated
	Contact: Phosphor bronze
	Plating: GF on contact, Tin on solder tail
Electrical	Voltage: 30 V AC
	Current: 1 A
	Dielectric Withstanding: 500 V AC
	Insulation Resistance: 1000 MΩ mini
	Contact resistance: 30 mΩ max
Mechanical	Operating Temperature: -20 °C to 85 °C

Product Code				
A	B	C	D	E
504	7906	004	41x	-x

D	Colour
	0: White 1: Black
E	Packaging
	Leave blank for tray
	T: Tube
	TR: Tape & Reel



“Due to technical progress, all design, specification and components are subject to change without notice”.

MINI USB



Packaging	Tray, Tube or Tape & Reel
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A	B	C	D	E
504	7910	005	410	-x

D	Packaging Leave blank for tray T: Tube TR: Tape & Reel
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I/O
RECEPTACLE SIDE ENTRY SMT

MINI USB



- Features

TH fitting nails
- Material

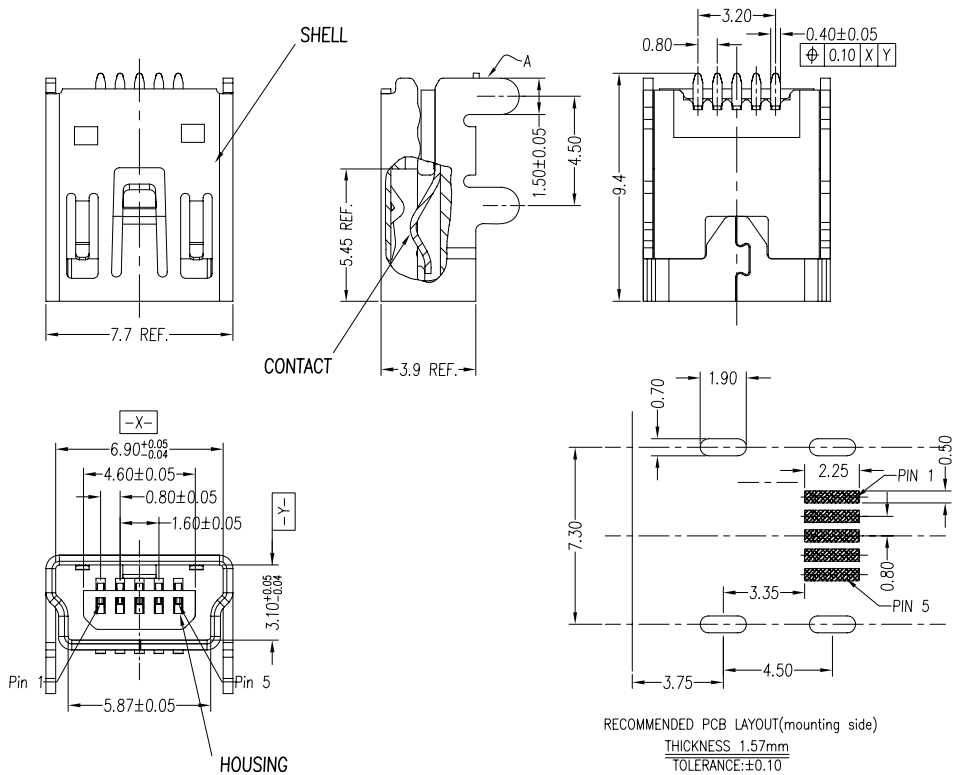
Insulator: High temperature thermoplastic UL 94V0
Shell: Copper alloy Nickel plated
Contact: Copper alloy
Plating: GF on contact, Tin on solder tail
- Mechanical

Operating Temperature: -20 °C to 85 °C
- Packaging

Tray, Tube or Tape & Reel

Product Code				
A	B	C	D	E
504	7909	005	410	-x

D	Packaging
	Leave blank for tray
	T: Tube
	TR: Tape & Reel



“Due to technical progress, all design, specification and components are subject to change without notice”.

I/O
RECEPTACLE SIDE ENTRY SMT

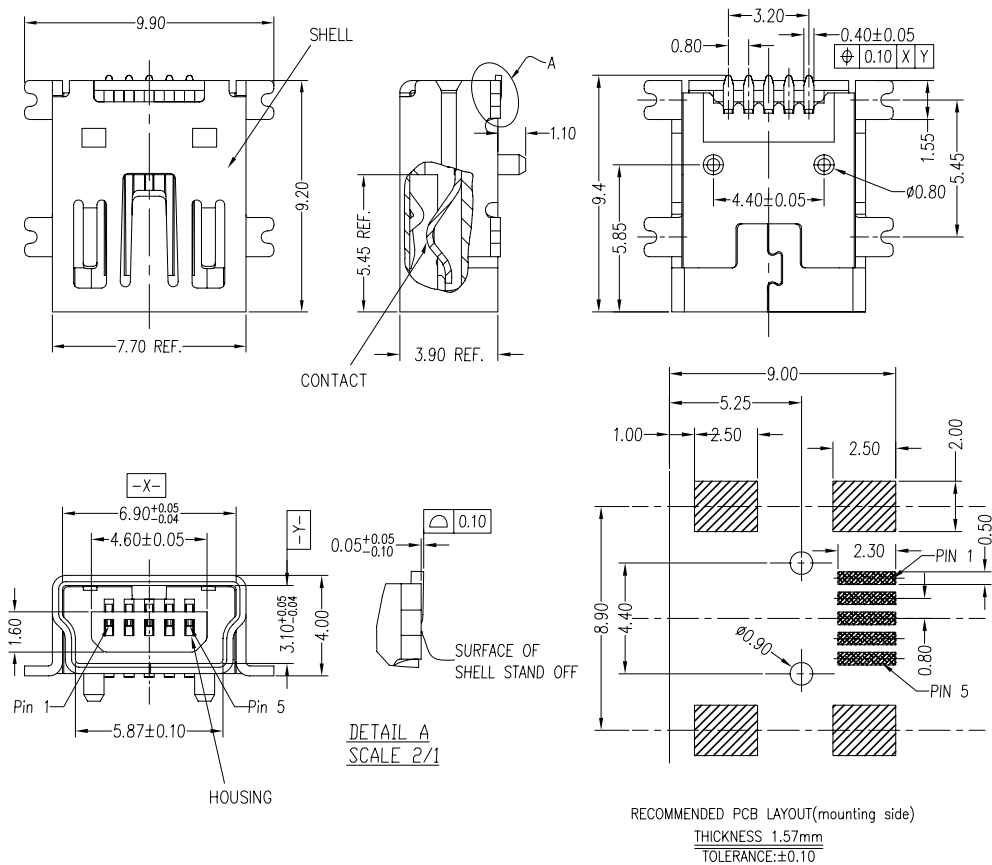
MINI USB



- Features**
- SMT fitting nails
- Material**
- Insulator: High temperature thermoplastic UL 94V0
Shell: Copper alloy Nickel plated
Contact: Copper alloy
Plating: GF on contact, Tin on solder tail
- Mechanical**
- Operating Temperature: -20 °C to 85 °C
- Packaging**
- Tray, Tube or Tape & Reel

Product Code				
A	B	C	D	E
504	7908	005	410	-x

E	Packaging Leave blank for tray T: Tube TR: Tape & Reel
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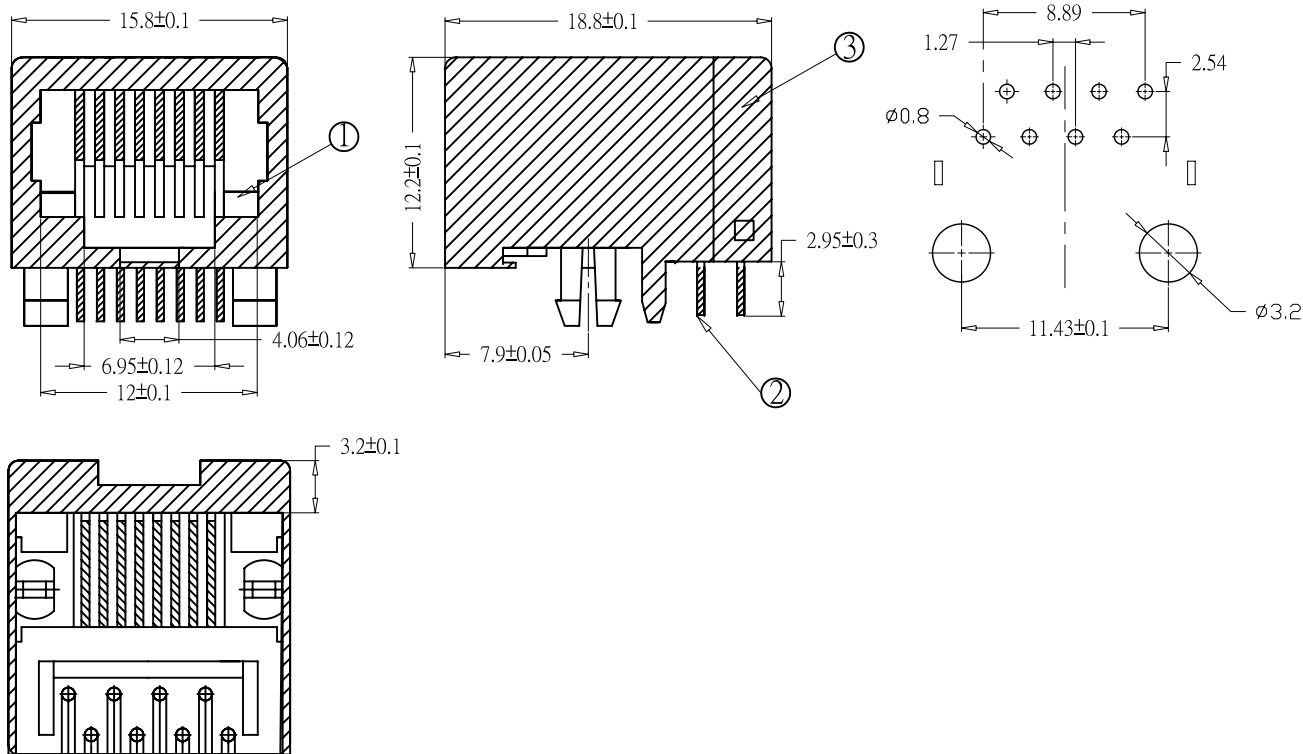
“Due to technical progress, all design, specification and components are subject to change without notice”.

MODULAR JACK



Material	Insulator: 15% glass filled PBT Contact: Phosphor bronze Plating: Gold flash (other plating available upon request)
Electrical	Current rating: 2 A Contact resistance: 35 mΩ maxi Insulation resistance: 100 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 7.7 kg min. between jack and plug Durability: 1000 cycles

Product Code			
A	B	C	D
508	7821	088	410



“Due to technical progress, all design, specification and components are subject to change without notice”.

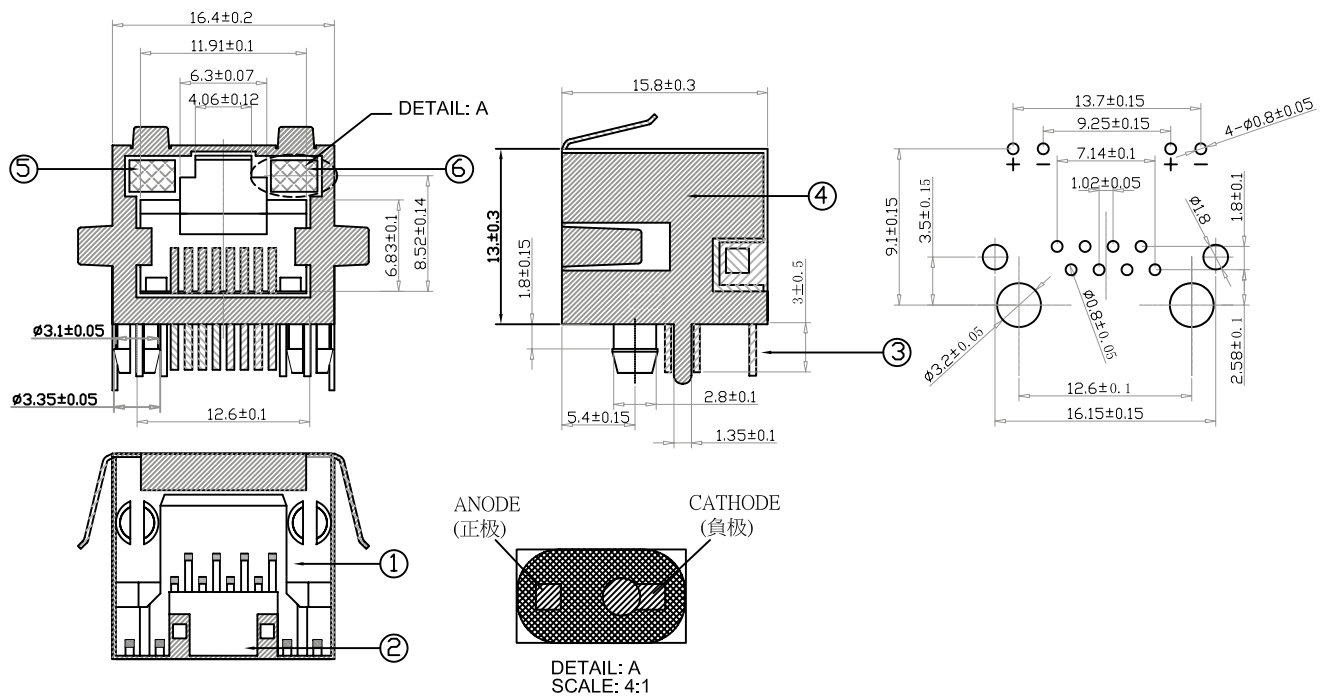
I/O
RJ SHIELDED WITH LED

MODULAR JACK



- Material**
Insulator: 15% glass filled PBT
Contact: Phosphor bronze
Plating: Gold flash
(other plating available upon request)
- Electrical**
Current rating: 2 A
Contact resistance: 35 mΩ maxi
Insulation resistance: 100 MΩ mini
Dielectric withstanding: 1000 VAC
- Mechanical**
Retention force: 7.7 kg min. between jack and plug
Durability: 1000 cycles

Product Code			
A	B	C	D
508	7820	088	410



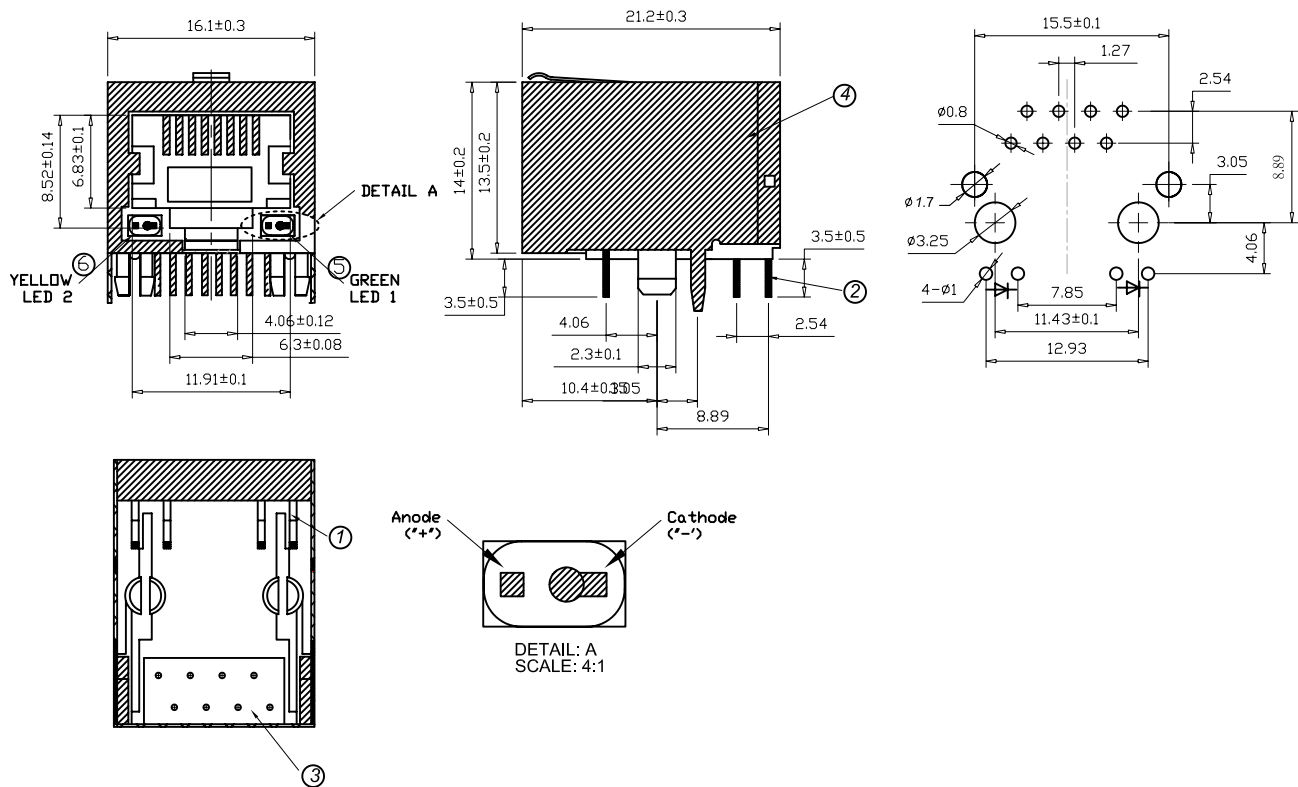
“Due to technical progress, all design, specification and components are subject to change without notice”.

MODULAR JACK



Material	Insulator: 15% glass filled PBT Contact: Phosphor bronze Plating: Gold flash (other plating available upon request)
Electrical	Current rating: 2 A Contact resistance: 35 mΩ maxi Insulation resistance: 100 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 7.7 kg min. between jack and plug Durability: 1000 cycles

Product Code			
A	B	C	D
508	7823	088	410



“Due to technical progress, all design, specification and components are subject to change without notice”.

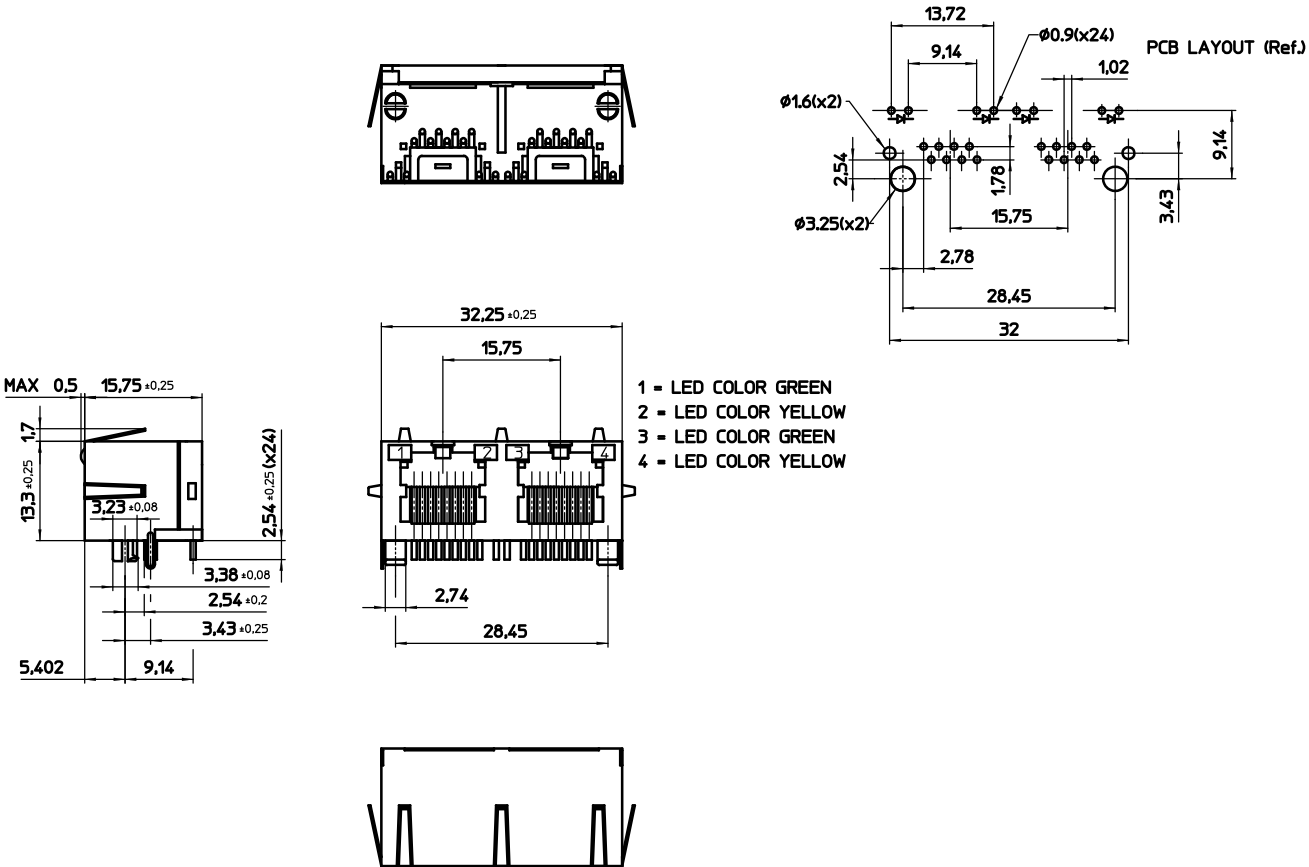
MODULAR JACK



Material	Insulator: Nylon PA46 UL94 V0 Shell: Brass, Nickel plated Contact: Phosphor bronze Plating: Gold flash
Electrical	Current rating: 1 A Contact resistance: 50 mΩ maxi Insulation resistance: 200 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 1.6 kg min. between jack and plug Durability: 750 cycles

Product Code			
A	B	C	D
508	7850	088	4Y0

D	Colour 0: Gold plated 15 µm 5: Gold plated 50 µm
---	--



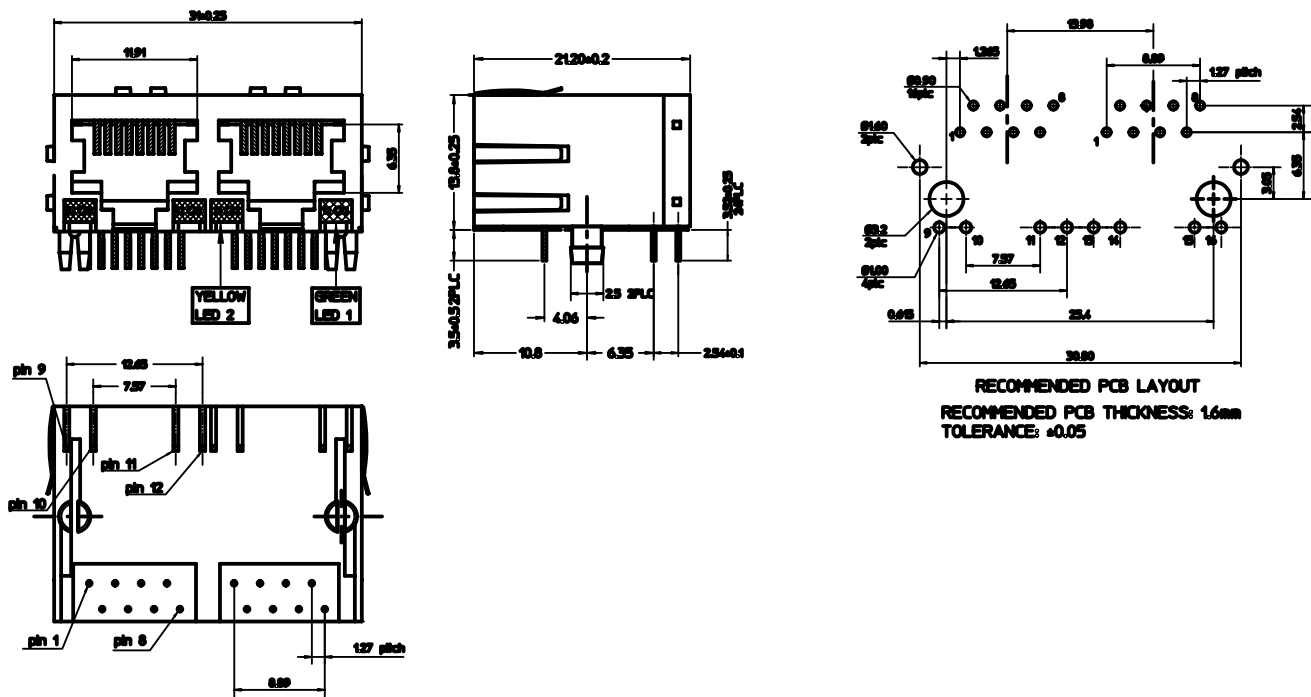
“Due to technical progress, all design, specification and components are subject to change without notice”.

MODULAR JACK



Material	Insulator: Glass Fiber PBT UL94 V0 Shell: Brass, Nickel plated Contact: Phosphor bronze Plating: Gold flash
Electrical	Current rating: 1 A Contact resistance: 50 mΩ maxi Insulation resistance: 200 MΩ mini Dielectric withstanding: 1000 VAC
Mechanical	Retention force: 1.6 kg min. between jack and plug Durability: 750 cycles

Product Code			
A	B	C	D
508	7851	088	410



“Due to technical progress, all design, specification and components are subject to change without notice”.

TURNED CONNECTORS AND TERMINALS

STRIP TERMINALS
MALE TEST STRIP TERMINALS STRIP

MALE TEST STRIP



Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

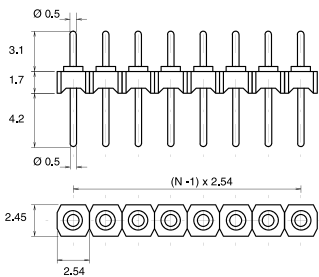
Product Code				
A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
---	--------------------

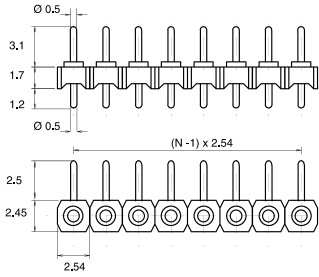
B	Number of pins max
---	--------------------

C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm
---	--

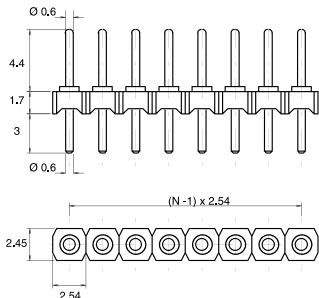
Version	P	nn	Plating	
			(a)	(b)
331 1594	1	20	500	Au
332 1594	1	20	540	Sn
333 1594	1	20	500	Au
334 1594	1	20	540	Sn
331 0299	1	20	500	Au
332 0299	1	20	540	Sn
331 0300	1	20	500	Au
332 0300	1	20	540	Sn



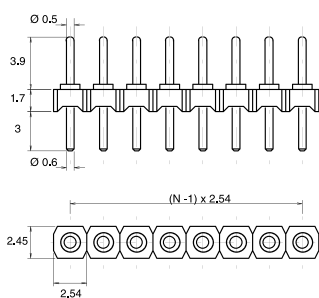
33115941NN500
33215941NN540



33315941NN500
33415941NN540



33X02991NN5X0



33X03001NN5X0

“Due to technical progress, all design, specification and components are subject to change without notice”.

STRIP TERMINALS
MALE TEST STRIP TERMINALS STRIP

MALE TEST STRIP



Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

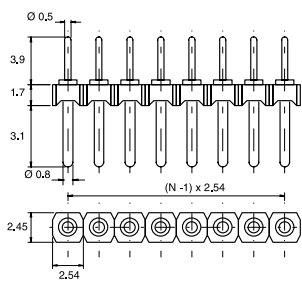
Product Code				
A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
---	--------------------

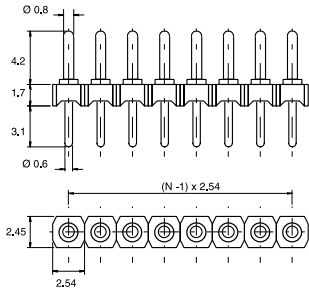
B	Number of pins max
---	--------------------

C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm
---	--

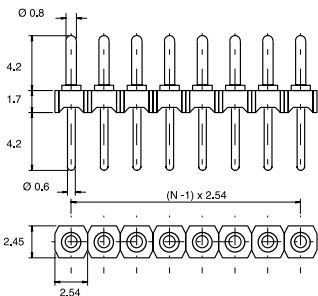
Version	P	nn	Plating	
			(a)	(b)
331 0219	1	20	500	Au
332 0219	1	20	540	Sn
331 0778	1	20	500	Au
332 0778	1	20	540	Sn
330 1940	1	20	500	Au
330 1940	1	20	540	Sn
331 0416	1	20	500	Au
332 0416	1	20	540	Sn



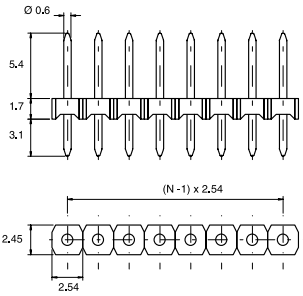
33X02191NN5X0



33X07781NN5X0



33X19401NN5X0



33X04161NN5X0

“Due to technical progress, all design, specification and components are subject to change without notice”.

STRIP TERMINALS
"U" PINS STRIP TERMINALS COMPONENT SUPPORT STRIP

"U" PINS STRIP



- Features: Strip Terminal pitch 2.54 mm, Headers breakable to required length, From 2 to 20 positions
- Material: Housing: Black glass filled Thermoplastic UL 94V0, Temperature rating: -40 °C to 125 °C
- Electrical: Dielectric withstanding: 1000 V AC, Insulation resistance: 1000 MΩ mini
- Packaging: Cardboard boxes

Product Code table with columns A, B, C, D, E and example values xxxxxxx, 1xx, 5x0.

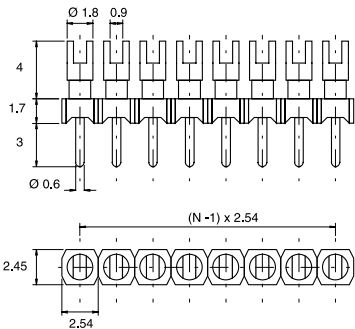
Table A: Version, see table

B Number of pins max

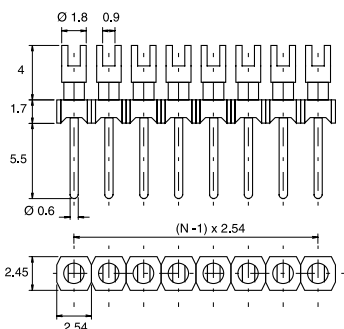
Table C: Plating specifications including Gold, Tin, and Nickel plating details.

Table with columns: Version, P, nn, Plating (a), (b). It lists various part numbers and their specifications.

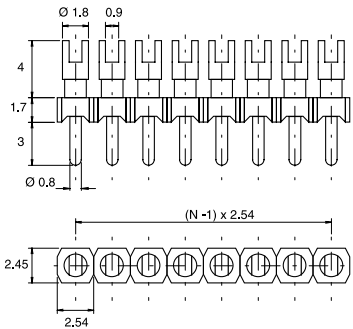
Table with columns: P, 1, 2, 3, 4. It lists pitch values for different pin counts.



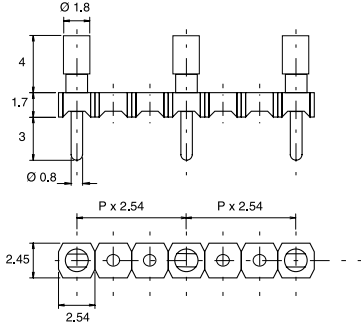
33X08151NN5X1



33X08091NN5X1



33X06001NN5X1



33X0600PNN5X0

"Due to technical progress, all design, specification and components are subject to change without notice".

STRIP TERMINALS
“U”PINS STRIP TERMINALS COMPONENT SUPPORT STRIP

“U”PINS STRIP



Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

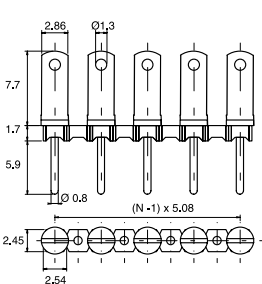
Product Code				
A	B	C	D	E
xxxxxxx	1xx	5x0		

A	Version, see table
---	--------------------

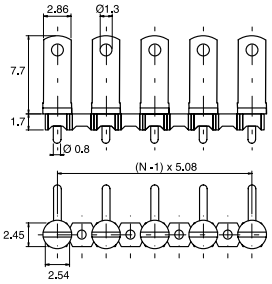
B Number of pins max

C	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 4 µm over Ni 1.27 µm
---	--

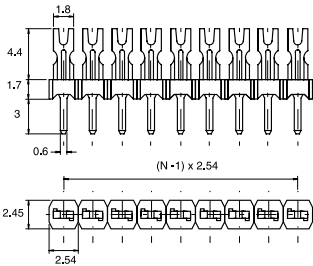
Version	P	nn	Plating	
			(a)	(b)
331 0902	2	20	500	Au
332 0902	2	20	540	Sn
333 0902	2	20	500	Au
334 0902	2	20	540	Sn
332 1422	1	20	541	Sn
331 1422	1	20	541	Sn



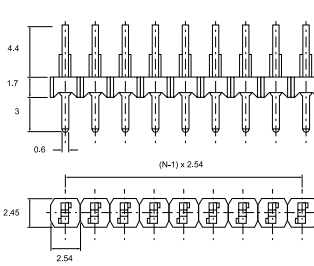
33109022NN500
33209022NN540



33309022NN500
33409022NN540



33214221NN541



33214221NN540

“Due to technical progress, all design, specification and components are subject to change without notice”.

STRIP TERMINALS
"U" PINS STRIP TERMINALS COMPONENT SUPPORT STRIP

"U" PINS STRIP



- Features: Strip Terminal pitch 2.54 mm, Headers breakable to required length, From 2 to 20 positions
- Material: Housing: Black glass filled Thermoplastic UL 94V0, Temperature rating: -40 °C to 125 °C
- Electrical: Dielectric withstanding: 1000 V AC, Insulation resistance: 1000 MΩ mini
- Packaging: Cardboard boxes

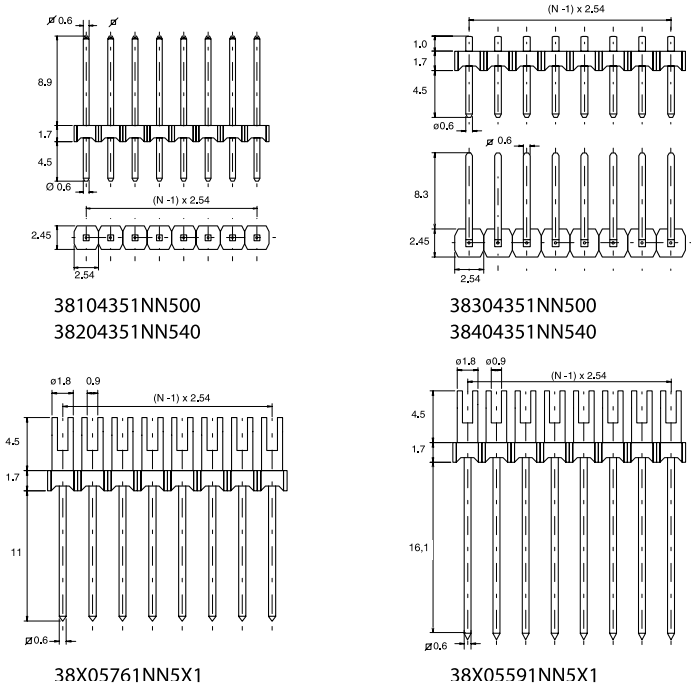
Product Code table with columns A, B, C, D, E and example values xxxxxxx, 1xx, 5x0.

Table with 2 columns: A (Version, see table)

Table with 2 columns: B (Number of pins max)

Table with 2 columns: C (Plating: 0 Gold, 0.2 µm over Ni 1.27 µm, 4 Tin, 4 µm over Ni 1.27 µm)

Table with 5 columns: Version, P, nn, (a), (b), Plating. It lists various part numbers and their specifications.



"Due to technical progress, all design, specification and components are subject to change without notice".

STRIP TERMINALS
FEMALE TEST STRIP TERMINALS STRIP

FEMALE TEST STRIP

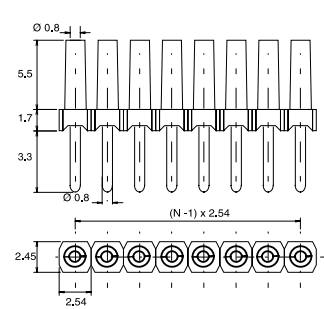


Features	Strip Terminal pitch 2.54 mm Headers breakable to required length From 2 to 20 positions
Material	Housing: Black glass filled Thermoplastic UL 94V0 Temperature rating: -40 °C to 125 °C
Electrical	Dielectric withstanding: 1000 V AC Insulation resistance: 1000 MΩ mini
Packaging	Cardboard boxes

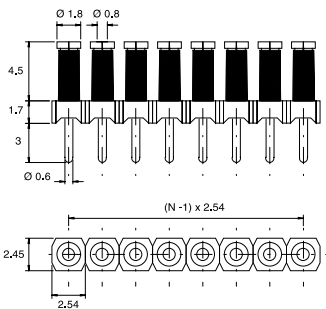
Product Code				
A	B	C	D	E
xxxxxxx	1xx	5x0		

Version	P	nn	Plating	
			(a)	(b)
331 0599	1	20	400	Au
331 0222	1	20	400	Au
331 0216	1	20	400	Au

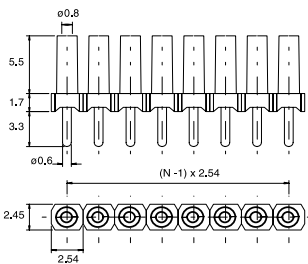
A	Version, see table
B	Number of pins max
C	Plating 0 Gold 0.2 µm over Ni 1.27 µm



33105991NN400



33102221NN400



33102161NN400

“Due to technical progress, all design, specification and components are subject to change without notice”.

TERMINAL PINS
 FEMALE TEST TERMINAL STRIP

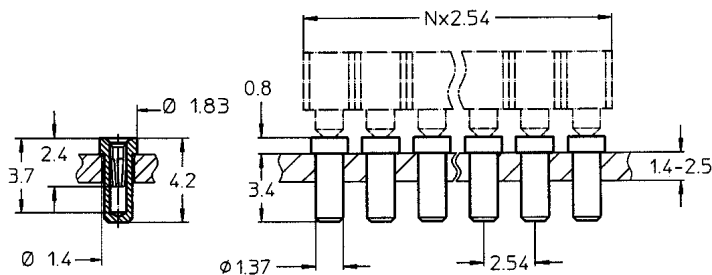
FEMALE TEST TERMINAL



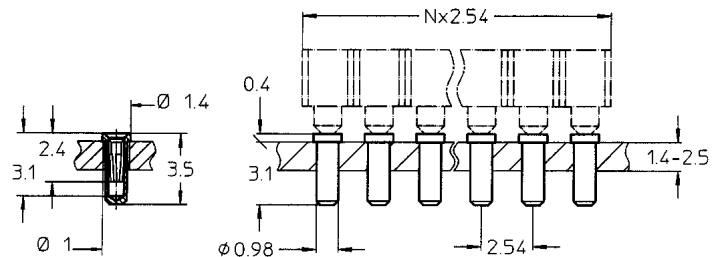
Features	Accept pins $\varnothing 0.40 \div 0.56$ mm
Material	Material of sleeve: screw machined brass Material of clip: stamped beryllium-coppes
Electrical	Current rating: 1A maxi Dielectric withstanding: 100 V AC Contact resistance: 10 m Ω max
Packaging	Cardboard boxes

Product Code						
A	B	C	D	E	F	G
877	95xx	1	xx	x	x	0

B	Type of terminal pin 07 $\varnothing 1.37$ 30 $\varnothing 0.98$
D	Number of terminals: from 02 to 64
E	Used material (see references below) 4 Bronze 5 Brass
F	Sleeve/clip plating 0 5 μ m Sn / 0.25 μ m Au 9 5 μ m Sn / 0.75 μ m Au 4 5 μ m Sn / 5 μ m Au



87795071xx5x0



87795301xx4x0

"Due to technical progress, all design, specification and components are subject to change without notice".

TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



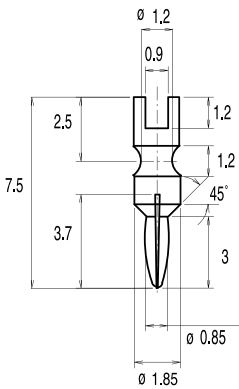
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

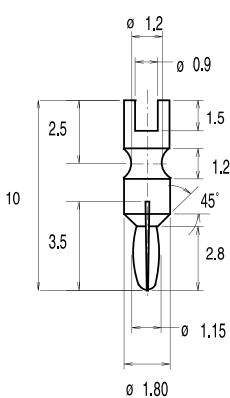
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

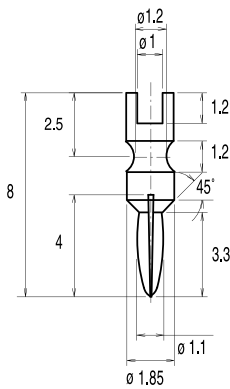
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



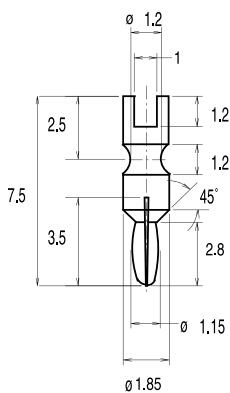
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3101624000540



3111022000540



3101623000540

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



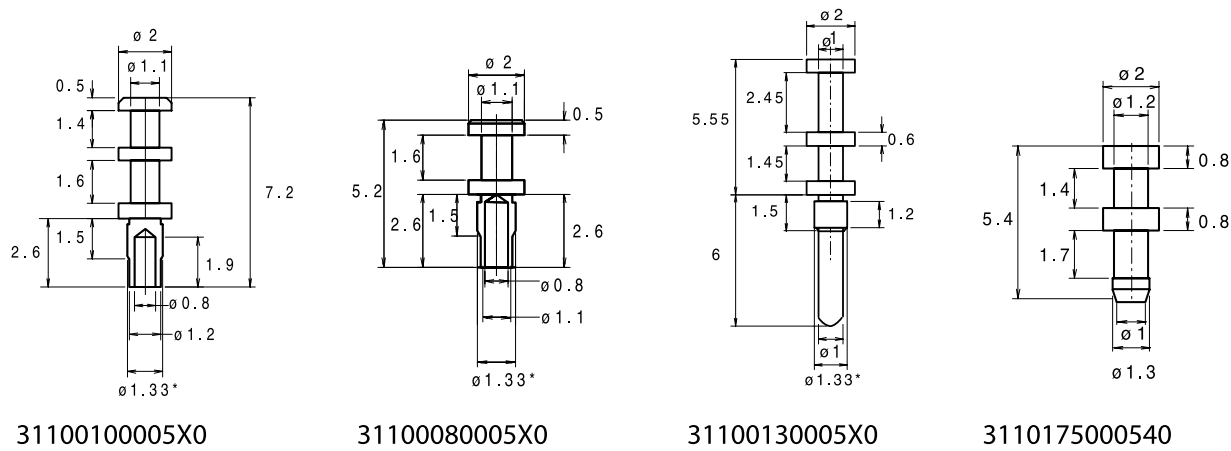
Features
 Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating

Custom Designed Pin available
 with minimum of 5.000 pieces

Packaging
 Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



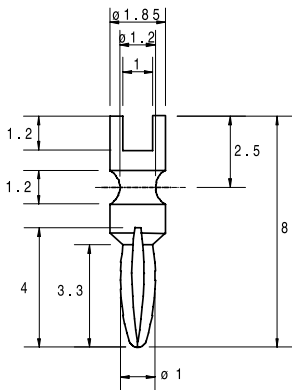
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

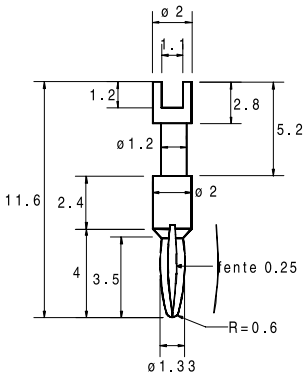
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

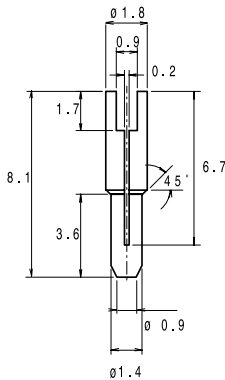
A	Family
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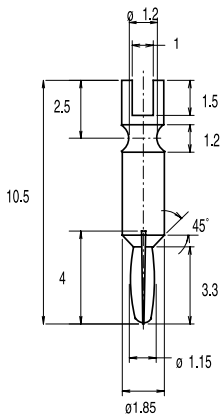
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3110754000540



3101565000500

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



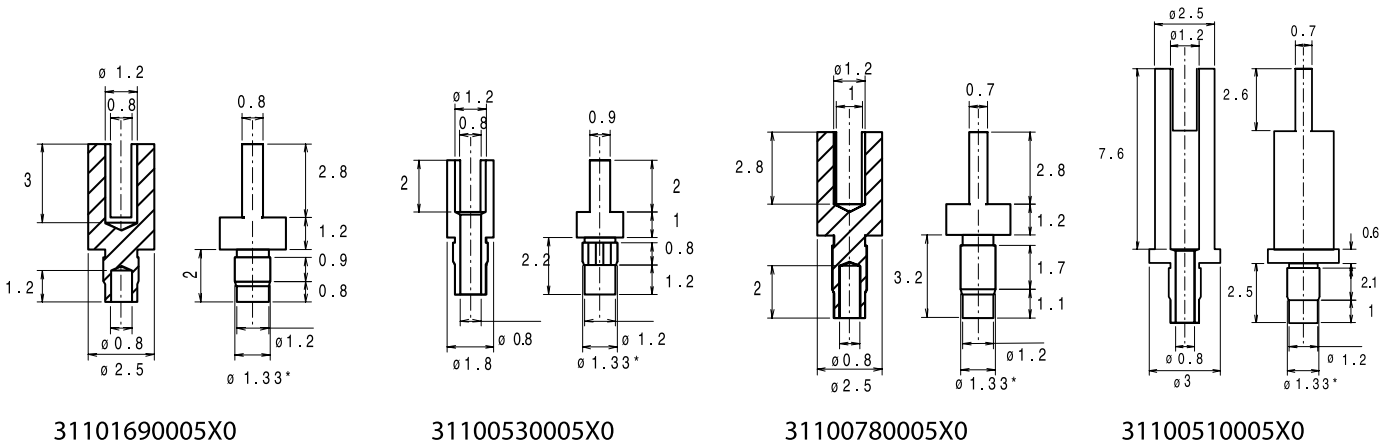
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
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*: Knurled

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



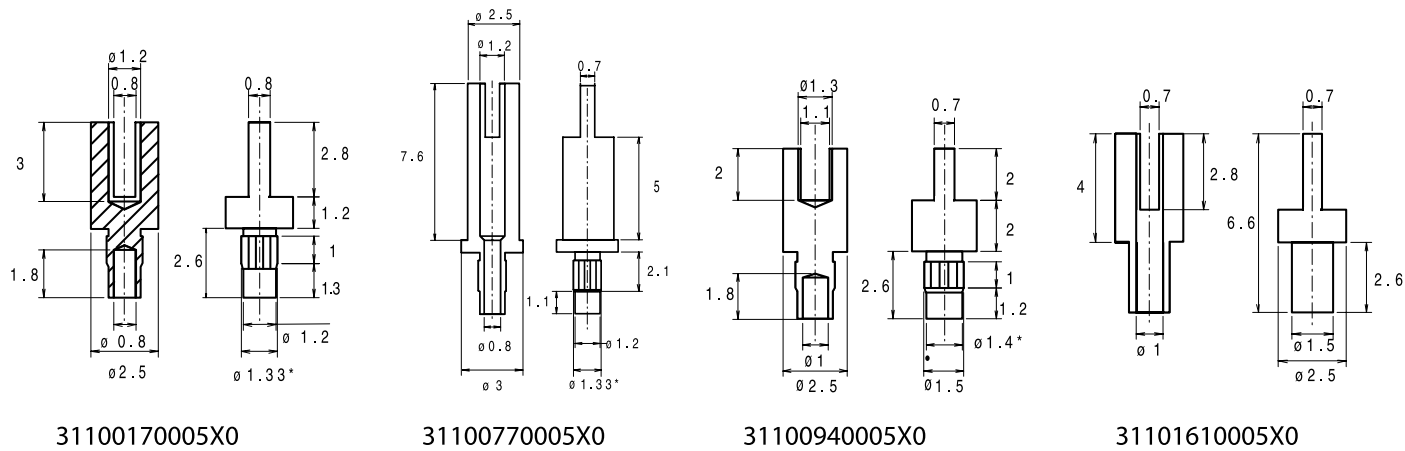
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

Plastic bags into cardboard boxes

Product Code					
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xxx	xxxx	000	x	x	0

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*: Knurled

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



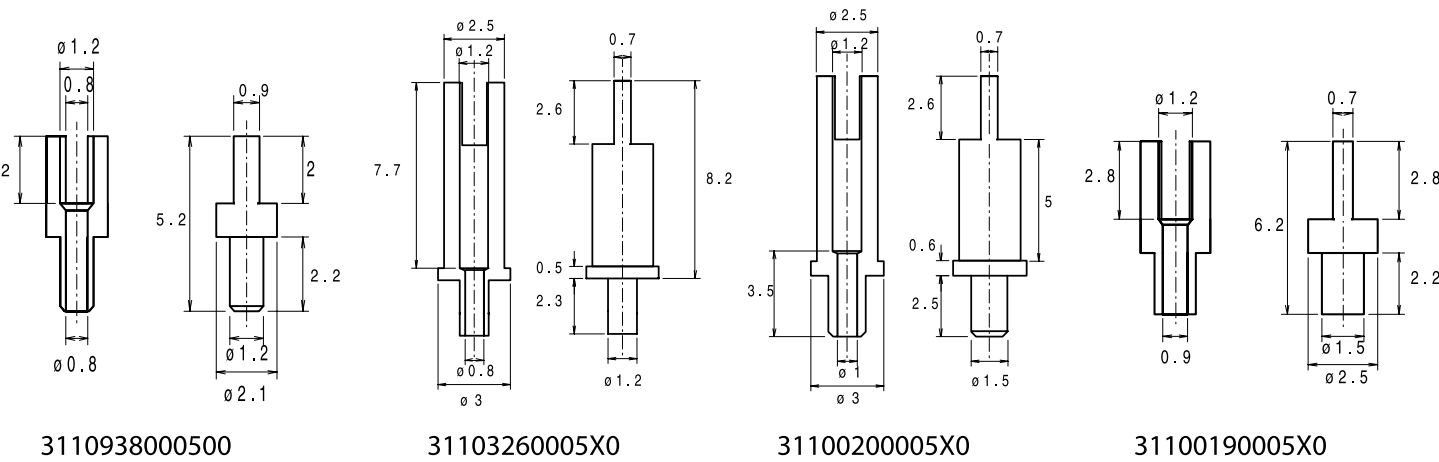
- Features

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Plastic bags into cardboard boxes

Product Code					
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TERMINAL PINS
LOOSE FORK TERMINALS

FORK TERMINAL



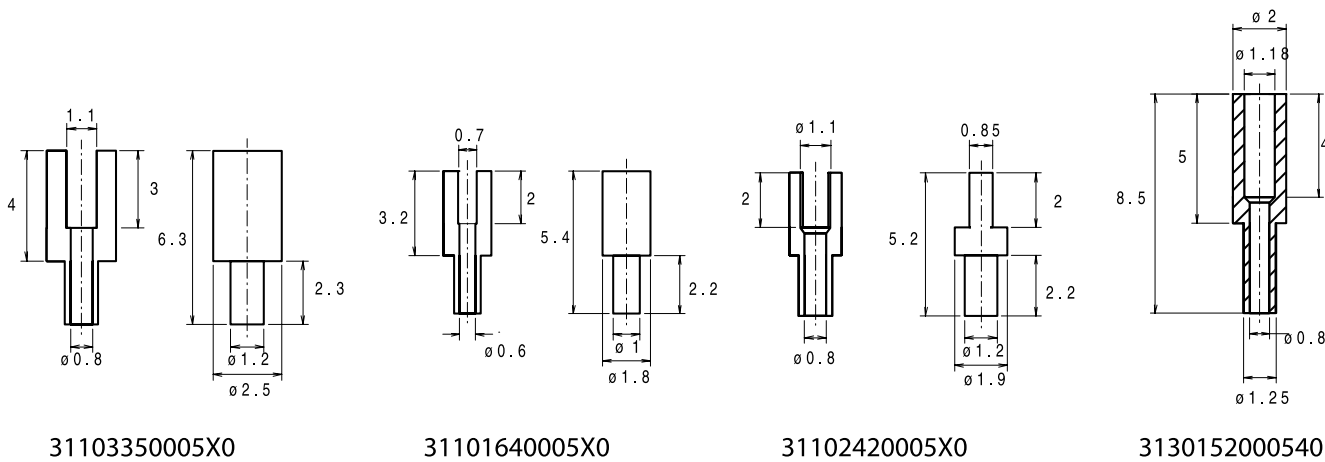
- Features

Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating
- Custom Designed Pin available
with minimum of 5.000 pieces
- Packaging

Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



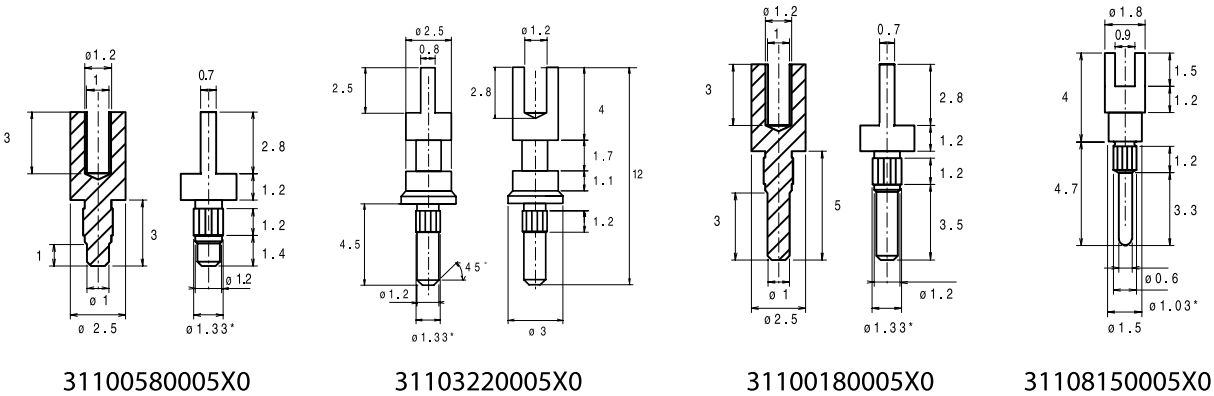
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



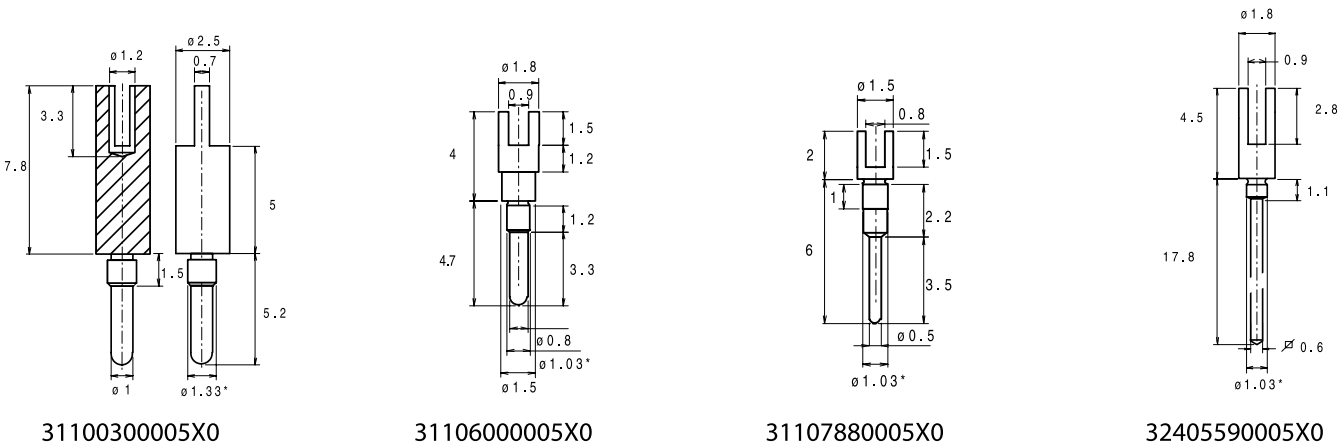
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
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Plastic bags into cardboard boxes

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



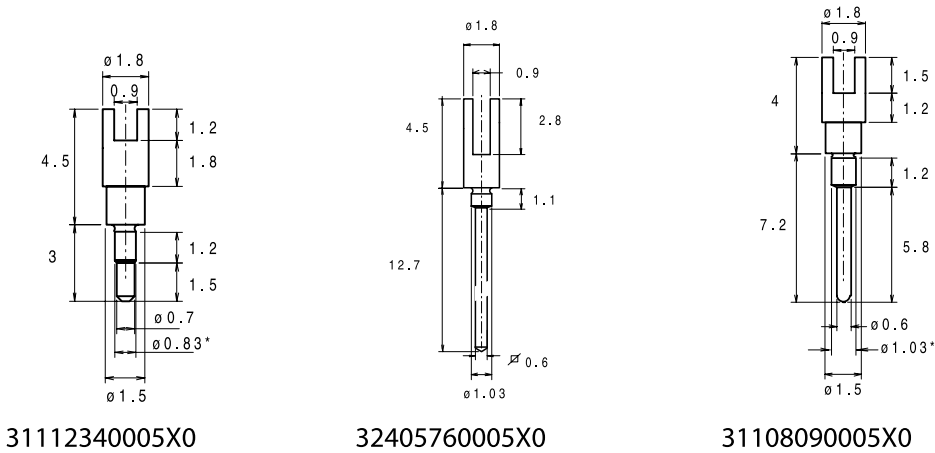
- Features

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 Turning; Countersinking; Knurling
 Slitting; Plating
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 with minimum of 5.000 pieces
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Plastic bags into cardboard boxes

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



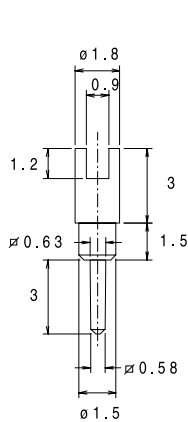
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

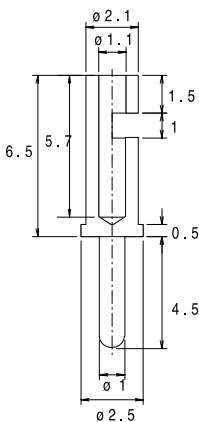
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

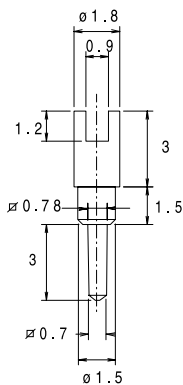
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



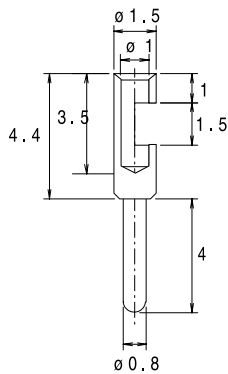
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3120207000500



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3120760000500

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TERMINAL PINS
 LOOSE FORK TERMINALS

FORK TERMINAL



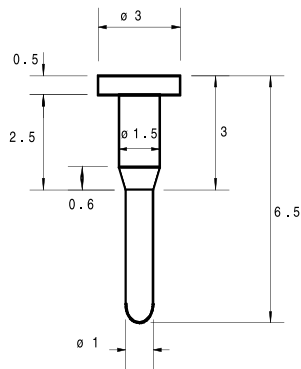
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

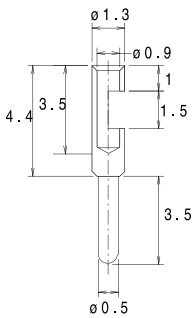
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

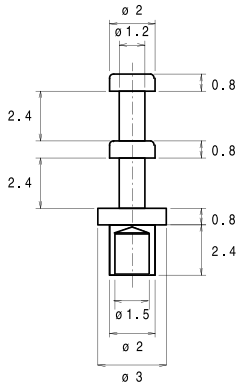
A	Family
B	Type of terminal pin
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E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



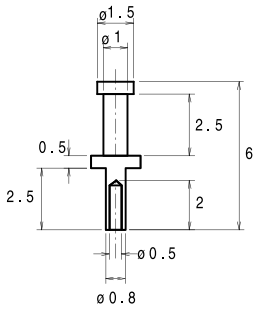
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31103460005X0

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TERMINAL PINS
FORK TERMINAL

FORK TERMINAL



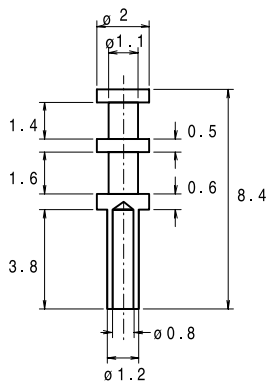
Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

Custom Designed Pin available
with minimum of 5.000 pieces

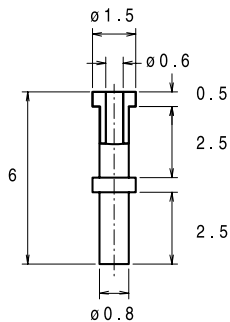
Packaging Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

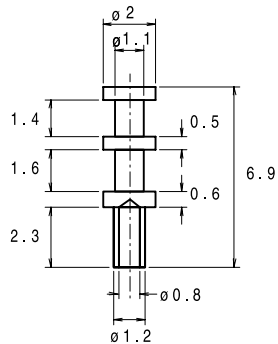
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



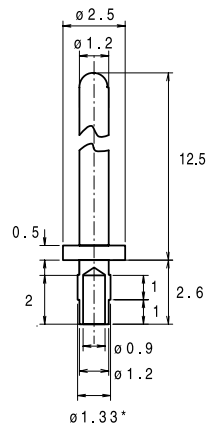
31103440005X0



31101650005X0



31103250005X0



3130356000500

*: Knurled

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TERMINAL PINS
 LOOSE MALE TEST TERMINALS

MALE TEST TERMINAL



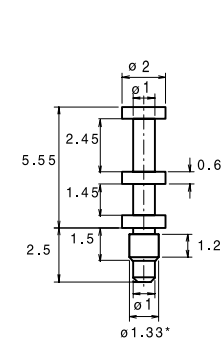
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

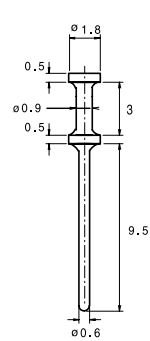
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

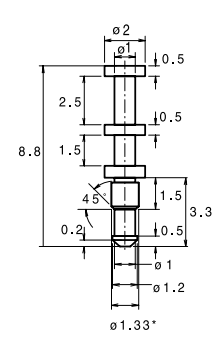
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



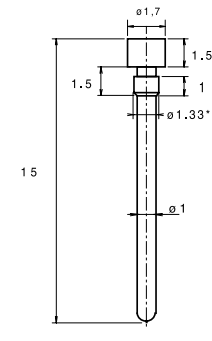
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TERMINAL PINS
LOOSE MALE TEST TERMINALS

MALE TEST TERMINAL



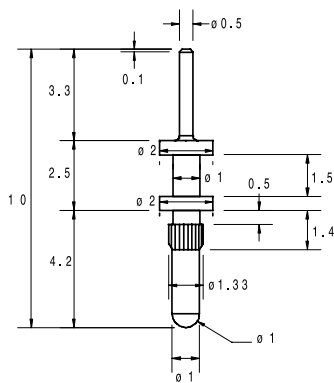
Features Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

Custom Designed Pin available
with minimum of 5.000 pieces

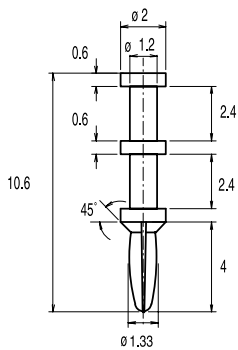
Packaging Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

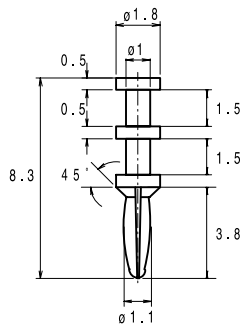
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



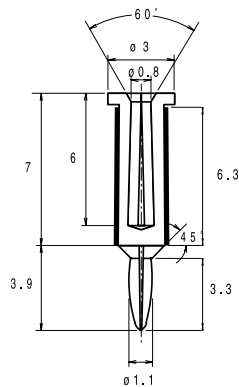
31036880005X0



31113310005X0



3111607000540



3101555000400

*: Knurled

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TERMINAL PINS
 LOOSE MALE TEST TERMINALS

MALE TEST TERMINAL



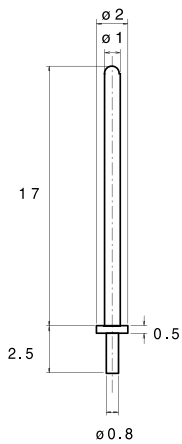
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

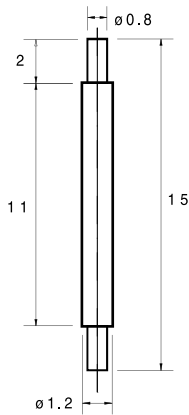
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



31300880005X0



31300490005X0

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TERMINAL PINS
LOOSE MALE TEST TERMINALS

MALE TEST TERMINAL



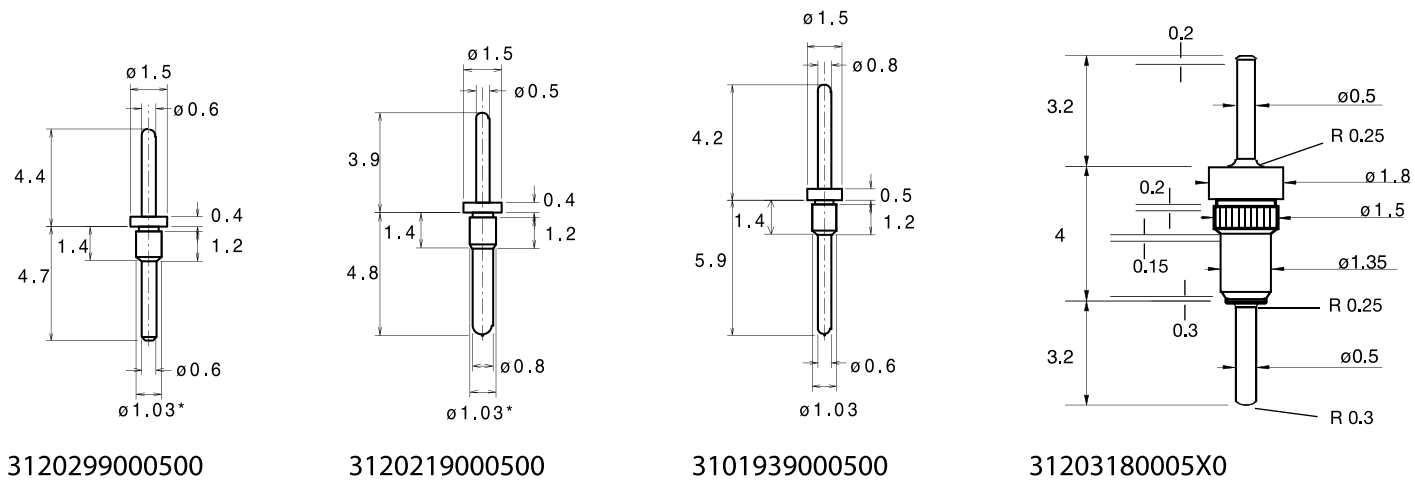
- Features

Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating
- Custom Designed Pin available
with minimum of 5.000 pieces
- Packaging

Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

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TERMINAL PINS
LOOSE MALE TEST TERMINALS

MALE TEST TERMINAL



- Features

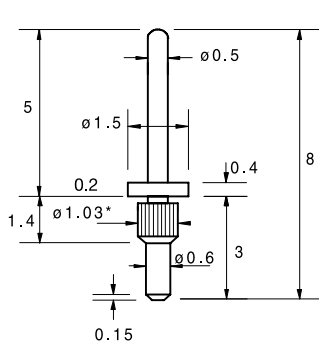
Manufacturing Facilities
Turning; Countersinking; Knurling
Slitting; Plating

Custom Designed Pin available
with minimum of 5.000 pieces
- Packaging

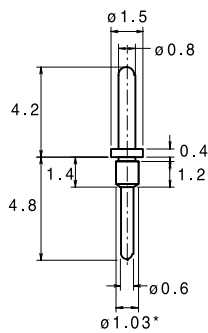
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

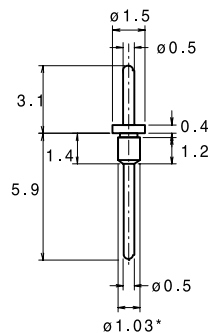
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



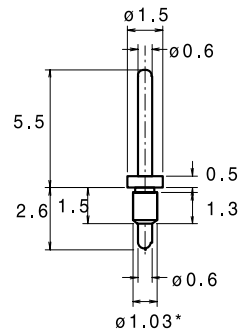
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3120778000500



31215940005X0



31202120005X0

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TERMINAL PINS
 LOOSE MALE TEST TERMINALS

MALE TEST TERMINAL



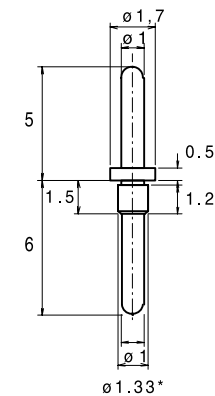
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

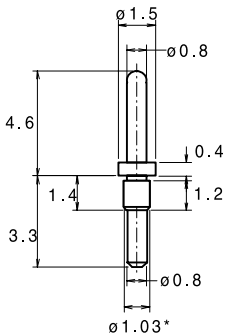
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

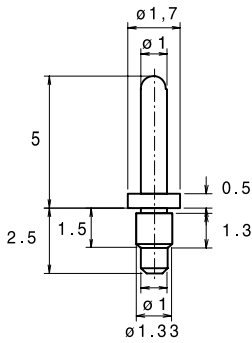
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



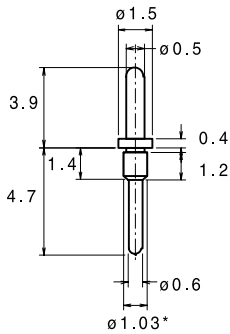
31200150005X0



3121017000500



3120016000500



3120300000500

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TERMINAL PINS
 LOOSE MINIFASTON TERMINALS

MINIFASTON TERMINAL



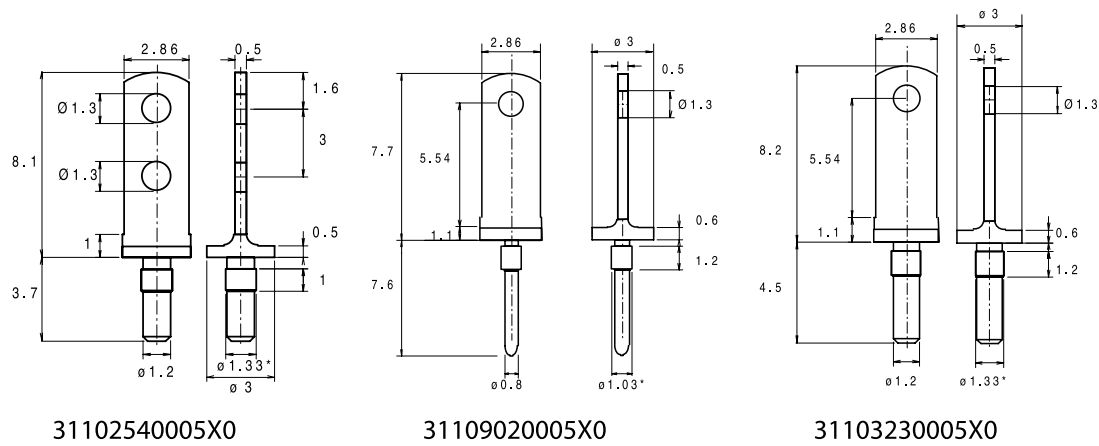
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



“Due to technical progress, all design, specification and components are subject to change without notice”.

TERMINAL PINS
 LOOSE FEMALE TEST TERMINALS

FEMALE TEST TERMINAL



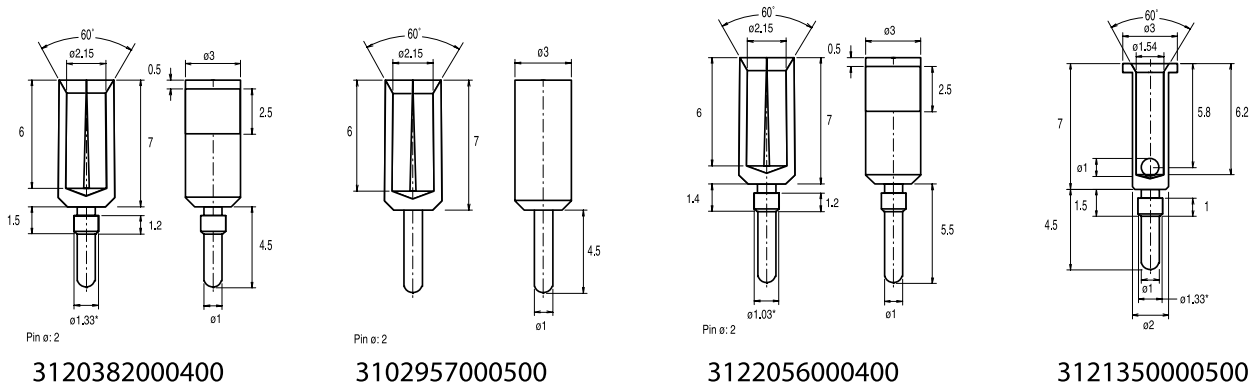
Features Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating

Custom Designed Pin available
 with minimum of 5.000 pieces

Packaging Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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TERMINAL PINS
 LOOSE FEMALE TEST TERMINALS

FEMALE TEST TERMINAL



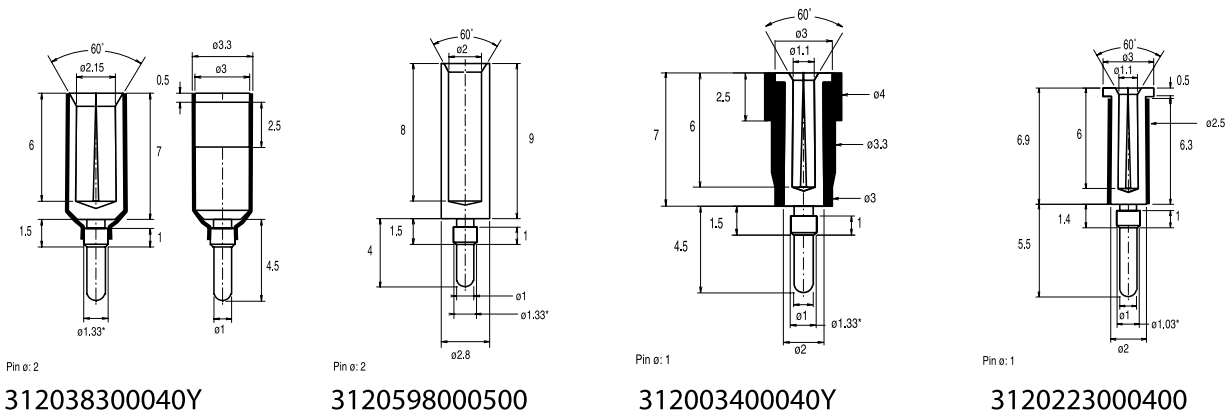
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



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TERMINAL PINS
 LOOSE FEMALE TEST TERMINALS

FEMALE TEST TERMINAL



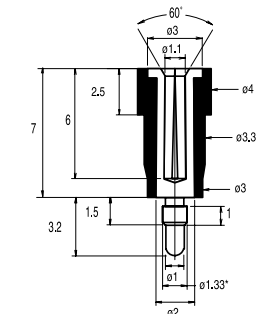
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

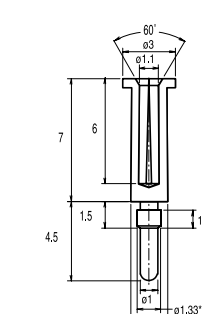
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

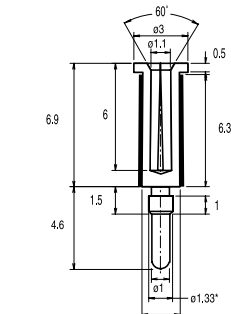
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



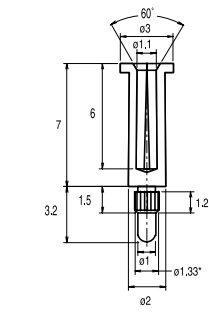
Pin ø: 1
 312113900040Y



Pin ø: 1
 3120032000400



Pin ø: 1
 3121168000400



Pin ø: 1
 3120079000400

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TERMINAL PINS
 LOOSE FEMALE TEST TERMINALS

FEMALE TEST TERMINAL



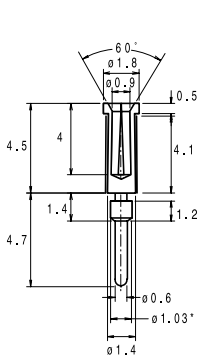
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

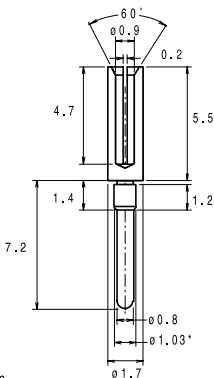
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

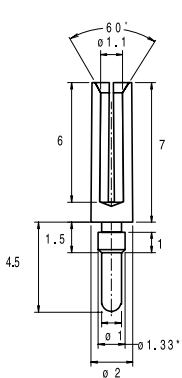
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



Pin ø: 0.8
 3120222000400



Pin ø: 0.8
 3120668000400



Pin ø: 1
 3120266000400

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TERMINAL PINS
 LOOSE FEMALE TEST TERMINALS

FEMALE TEST TERMINAL



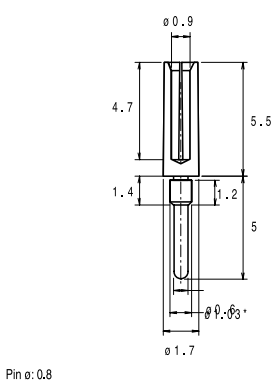
- Features

Manufacturing Facilities
 Turning; Countersinking; Knurling
 Slitting; Plating
- Custom Designed Pin available
 with minimum of 5.000 pieces
- Packaging

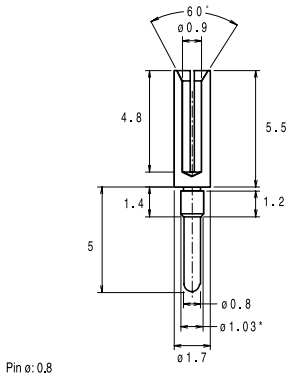
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
xxx	xxxx	000	x	x	0

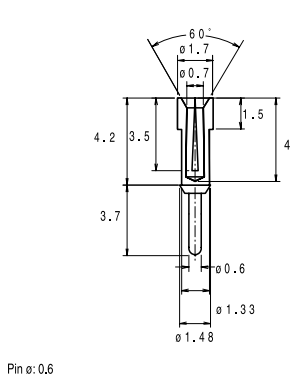
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over Ni 1.27 µm



3120216000400



3120599000400



3120218000400

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FEMALE TEST TERMINAL

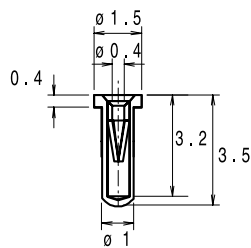


Custom Designed Pin available
with minimum of 5.000 pieces

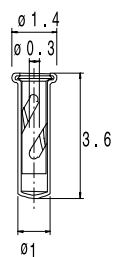
Packaging	Plastic bags into cardboard boxes
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A	B	C	D	E	F
xxx	xxxx	000	x	x	0

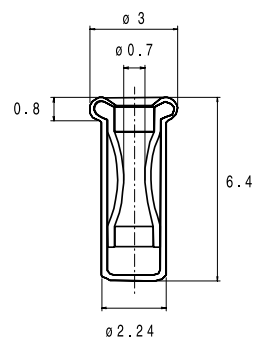
A	Family
B	Type of terminal pin
D	Used material (see references below) 2 Copper 4 Bronze 5 Brass
E	Plating 0 Gold 0.2 μm over Ni 1.27 μm 4 Tin 5 μm over Ni 1.27 μm



3121896000440



3120128000400



31203850002X0

260 · stelvio-kontek.com

MALE JUMPERS

MALE JUMPERS

MALE JUMPERS



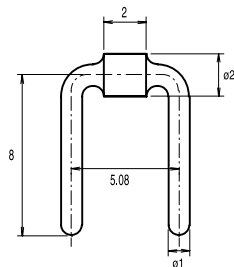
- Features

Custom designed terminal available with minimum of 5.000 pieces
- Packaging

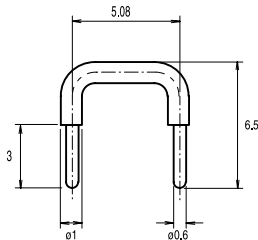
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
313	xxxx	000	5	x	0

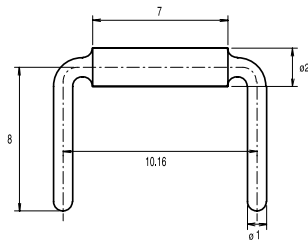
B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



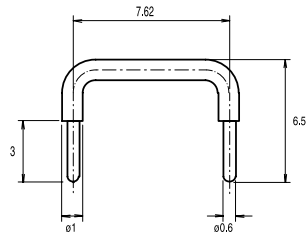
31300050005X0



31305820005X0



31300040005X0



31305780005X0

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MALE JUMPERS

MALE JUMPERS

MALE JUMPERS



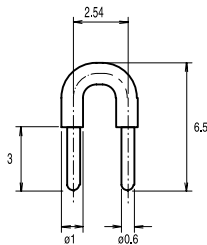
- Features

Custom designed terminal available with minimum of 5.000 pieces
- Packaging

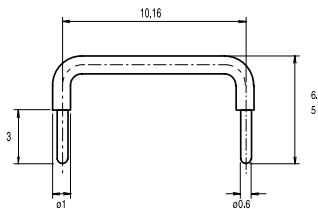
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
313	xxxx	000	5	x	0

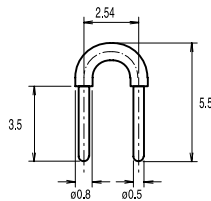
B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



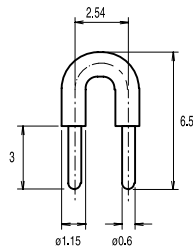
31305810005X0



31305790005X0



31308260005X0



31025970005X0

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MALE JUMPERS

MALE JUMPERS

MALE JUMPERS



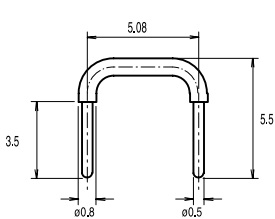
- Features

Custom designed terminal available with minimum of 5.000 pieces
- Packaging

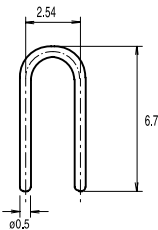
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
313	xxxx	000	5	x	0

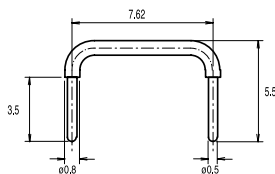
B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



31308270005X0



3130777000500



3130828000500

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MALE JUMPERS

MALE JUMPERS

MALE JUMPERS



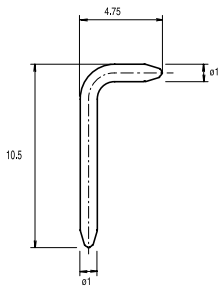
- Features

Custom designed terminal available with minimum of 5.000 pieces
- Packaging

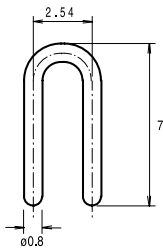
Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
313	xxxx	000	5	x	0

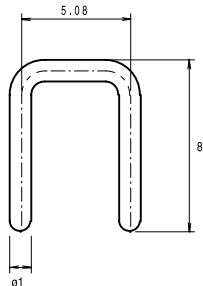
B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



31304990005X0



31306810005X0



31305230005X0

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MALE JUMPERS

MALE JUMPERS

MALE JUMPERS



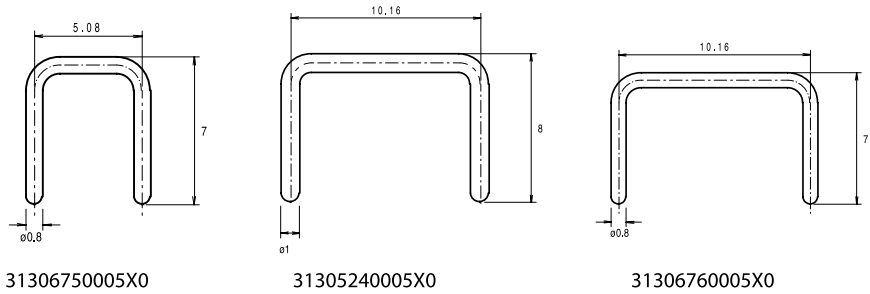
- Features

Custom designed terminal available with minimum of 5.000 pieces
- Packaging

Plastic bags into cardboard boxes

Product Code					
A	B	C	D	E	F
313	xxxx	000	5	x	0

B	Type of jumper
E	Plating 0 Gold 0.2 µm over Ni 1.27 µm 4 Tin 5 µm over copper 3 µm Material: brass



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TOOLING

CRIMPING TOOL FOR IDC

CRIMPING TOOL FOR IDC

AUTOCOM



Crimping machine (1) Modular machine able to crimp all our IDC's
Quick and easy crimping head changing (3-4-5)
Compact machine for easy handling

Electrical press with linear piston stroke
Power supply: 220V 50 Hz 115V/50Hz
Length: 390 mm
Width: 250 mm
Height: 170 mm
Weight: 9.5 kg

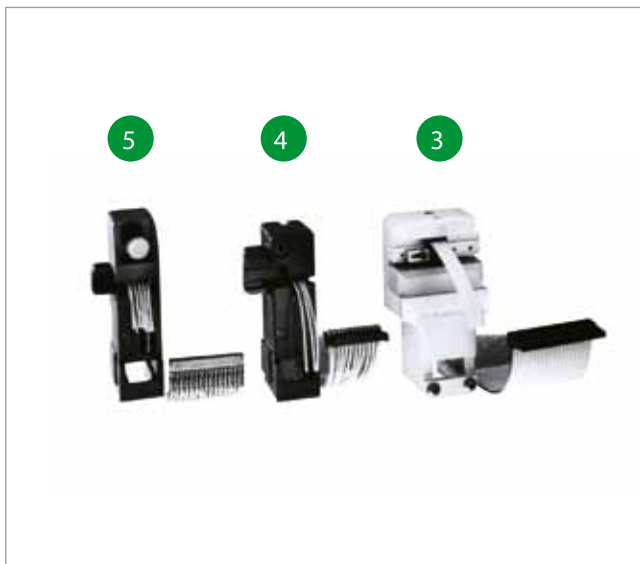
Crimping machine (2) Modular clampable to crimp all our IDC's
Quick and easy crimping head changing (3-4-5) compatible with the machine CSE1000

Technical data:
Length: 150 mm
Width: 25 mm
Height: 150 mm
Weight: 0.4 kg

CRIMPING HEAD

CRIMPING HEAD

AUTOCOM & INTERCOM



Suitable with the machine and the clamp

1) For crimping of IDC AUTOCOM 90°
from 2 to 20 Positions (P/n: 478 2836;
478 2709; 478 2710; 478 2837)
Head Part number: 7020405-0 (3)

2) For crimping of IDC INTERCOM 90°
from 2 to 20 Positions (P/n: 478 1841;
478 2033; 478 2301)
Head Part number: 7010118 (4)

3) For crimping of IDC INTERCOM 180°
single and double row (P/n 478 3219;
478 3220)
Head Part number: 701 0200 (5)

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CUTING CLAMP
CUTTING CLAMP

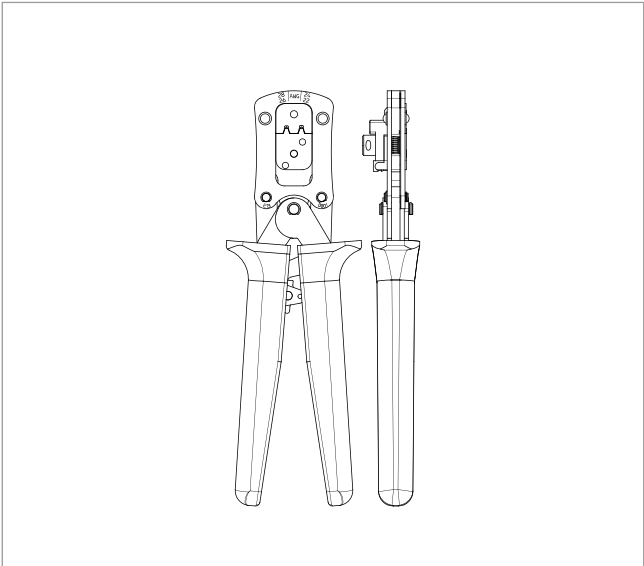
CUTTING CLAMP



- Operation** Adjust the latch to the required length
Place the strip
Squeeze the trigger
Remove the cut connector
- Technical** Runs connectors P/n: 4772217; 4772235; 4772234;
4772232; 4773540; 4773541; 4773543; 4773544;
4773545; 4773618
- Characteristic** Length: 150 mm
Width: 200 mm
Height: 170 mm
Weight: 0.6 kg

CRIMPING CLAMP
CRIMPING CLAMP

CRIMPING CLAMP



- Operation** Insert the terminal in the clamp
Squeeze the trigger
Remove the Crimped connector
- Features** No adjustment required
Supplied with its own storage case
- Technical** Runs for crimp contact P/N 485 3250
- Characteristic** Length: 215 mm
Width: 50 mm
Height: 170 mm
Weight: 0.450 kg

“Due to technical progress, all design, specification and components are subject to change without notice”.

IEC 60335-1 SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES

This Standard deals with the safety of electrical appliances for household and similar purposes; the rated voltage of the appliances being not more than 250 V for single-phase appliances and 480 V for other appliances. Recently the Standard has been modified and requirements are reportedly much stricter than those previously used, in order to avoid fire risks and provide further guarantees of safety in electrical appliances. Such modifications involve, above all, components made of an insulating material that support electrical connections carrying a current > 0.2 A, including components at a distance of less than 3 mm from the connection. The flowchart for the material and / or part evaluation according to IEC 60335-1 is schematically illustrated in figure.

PARAGRAPH 30 - RESISTANCE TO HEAT AND FIRE

30.1 - Heat resistance

The parts must comply with the Ball Pressure Test (IEC 60695-10-2). The test is carried out at a temperature of $40\text{ °C} \pm 2\text{ °C}$ plus the maximum temperature rise determined during the test of clause 11, but it shall be at least $75\text{ °C} \pm 2\text{ °C}$ for external components and $125\text{ °C} \pm 2\text{ °C}$ for components supporting live parts.

30.2 - Fire resistance

30.2.2 - Attended Appliances

According to the Standard, parts ought to be subjected to the Glow-Wire Test (IEC 60695-2-11), which is carried out at 750 °C for connections that carry a current > 0.5 A and 650 °C for other connections.

30.2.3 - Unattended Appliances

30.2.3.1: Parts that carry a current > 0.2 A shall have a Glow Wire Flammability Index (GWFI) $\geq 850\text{ °C}$ (IEC 60695-2-12).

30.2.3.2: parts supporting current/carrying connections shall always be subjected to the Glow-Wire Test according

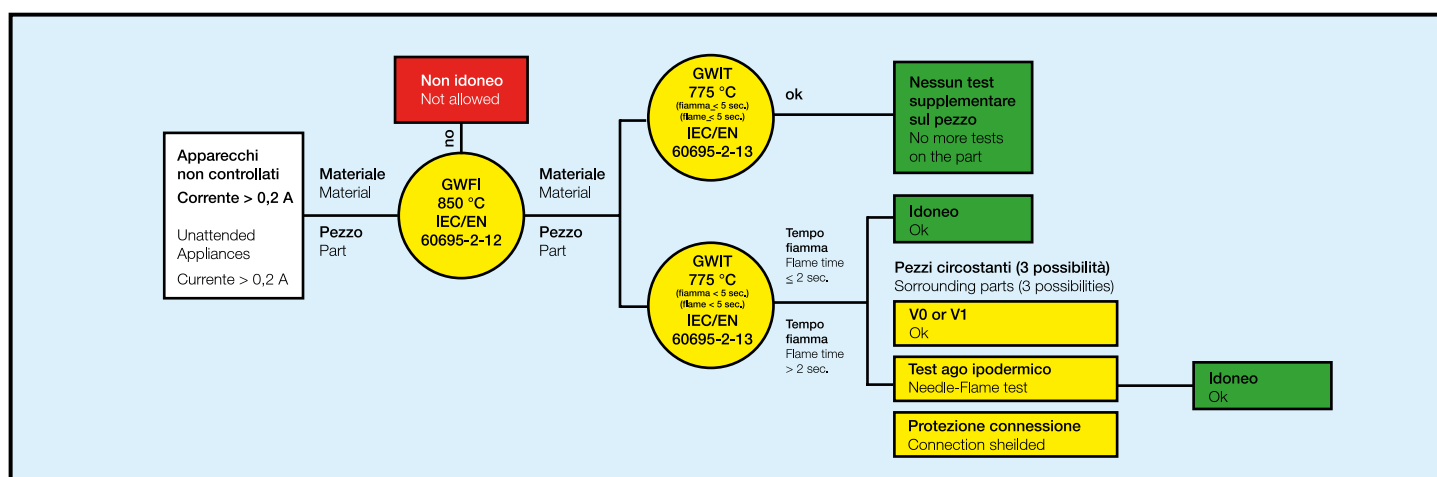
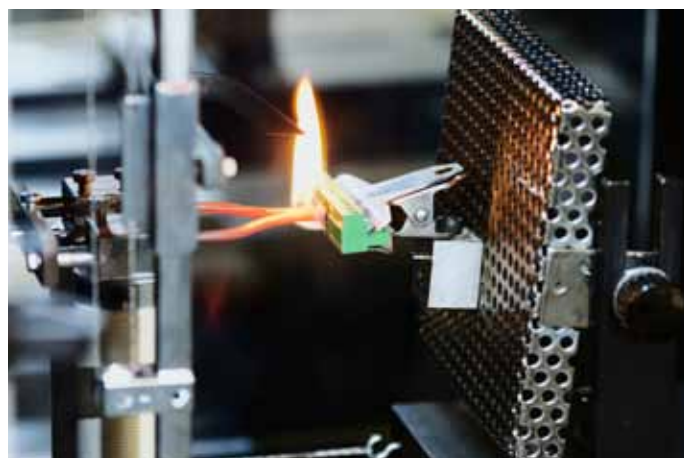
to IEC 60695-2-11. However, the GWT is not carried out on parts of material classified as having a Glow-Wire Ignition Temperature (GWIT—according to IEC 60695-2-13) of $\geq 775\text{ °C}$ for connections that carry a current > 0.2 A, and $\geq 675\text{ °C}$ for other connections.

Test samples have to be no thicker than the relevant part. The maximum flame-persistence time admitted during the test is of 5 seconds.

When the Glow-Wire Test of IEC 60695-2-11 is carried out on the parts, the temperatures are of 750 °C for connections which carry a current > 0.2 A and 650 °C for lower connections. If during the test a flame that persists for longer than 2 seconds is produced, the Needle-Flame Test must be carried out for all parts above the connection within the envelope of a vertical cylinder having a diameter of 20 mm and a height of 50 mm. However, the latter test is not needed if between the connections and the other parts there is a «protection» that comply with the Needle-Flame Test.

The Needle-Flame Test is not carried out on parts of material classified as V-0 or V-1 (IEC 60695-11-10), provided that the test sample was no thicker than the relevant part.

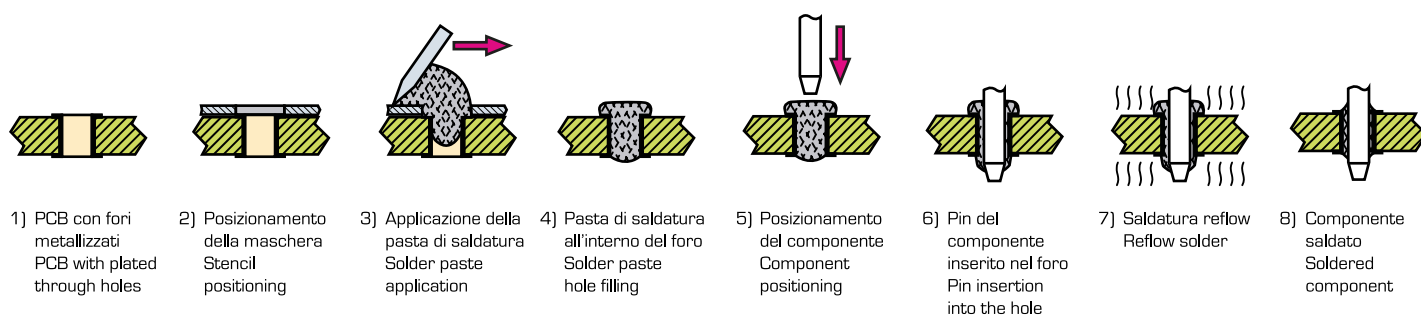
STELVIO – KONTEK is able to provide both standard version components and special version components complying with IEC 60335-1, as shown in selection tables of each section. In your purchase order, if you require the latter type of product, you can simply add “GWT” at the end of the standard code.



THR - THROUGH HOLE REFLOW

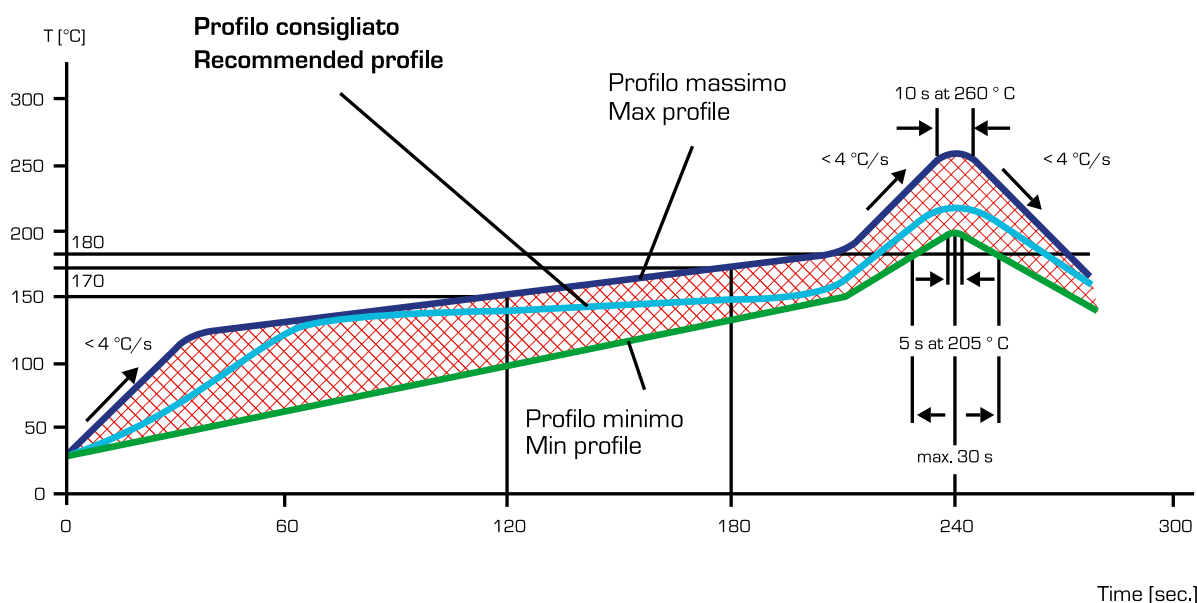
Mechanically stressed components such as terminal blocks and connectors require a good retention to the PCB board. In order to obtain the same efficiency in production of SMT process (Surface Mount Technology) and mechanical resistance typical of THT process (Through Hole Technology), these two technologies can be integrated in one process named THR (Through Hole Reflow).

This process or method is also known as a PIP (Pin In Paste) and differently from SMT traditional components, the pins of connectors, terminal blocks and fuse-holders are inserted into PCB plated through holes previously filled with soldering paste and then soldered with Reflow technology as described on the following pictures.



TEMPERATURE REQUIREMENTS

Recommended temperature profiles are specified in DIN EN 61760-1.



PCB CHARACTERISTICS

- 1) Plated through holes;
- 2) Holes diameter: depends on pin dimension and on the accuracy of component deployment;
- 3) Soldering pad: depend on the pin dimension, paste quantity and stencil layout;
- 4) Volume of soldering paste can be calculated as follow:

$$V_h = \left[\frac{\pi d_h^2 \cdot S}{4} \right]$$

$$V_n = V_h - V_p$$

$$\text{Paste volume} = V_n \cdot K$$

V_h = Hole volume

V_n = Net volume

V_p = Soldering pin volume

S = PCB thickness

d_h = PCB hole diameter

K = Evaporation factor (equal to 2 with paste estimated bleeding of 50%)

PACKAGING

THR components are also compatible with automated mounting systems (Pick and Place) thanks to packaging solutions such as Tube or Tape-and-Reel. For any requirements on THR components contact us.



CERTIFICATIONS & HOMOLOGATIONS

For us at Stelvio Kontek, quality is a concrete result rather than a merely formal value. Our ranges comply with European Directives in safeguarding environment (RoHS, WEEE, PFOS, REACH, etc.).

The Oggiono plant is ISO 9001 certified since 1995; the Romanian plant since 2012.

ISO-TS certification is under process.



INTERNATIONAL STANDARDS



EUROPEAN DIRECTIVES



PHILOSOPHY & VALUES

Responsibility with a big R

Focus on the Human foremost.

We, at Stelvio Kontek truly believe that corporate culture cannot endure without partnership and trust, either towards collaborators or partners and customers. Hence we take great care in optimizing our communication channels and define common win-win objectives. After all, best ideas necessarily come from individual.



Eco-responsibility

An investment on our future.

For us environmental responsibility doesn't only mean being green. It has to be a real and true doctrine flowing through all capillaries of our organization.

Thus, thanks to its Environmental Management System with ISO 14001 certification and its strong spirit of innovation, the group makes its own contribution to defending the environment as one of its top priorities through sustainable development: industrial wastewater is conditioned, air is protected with "end of pipe scrubbers", chemical substances are stocked in "double-jacket" tanks and the natural resources consumption is carefully monitored.

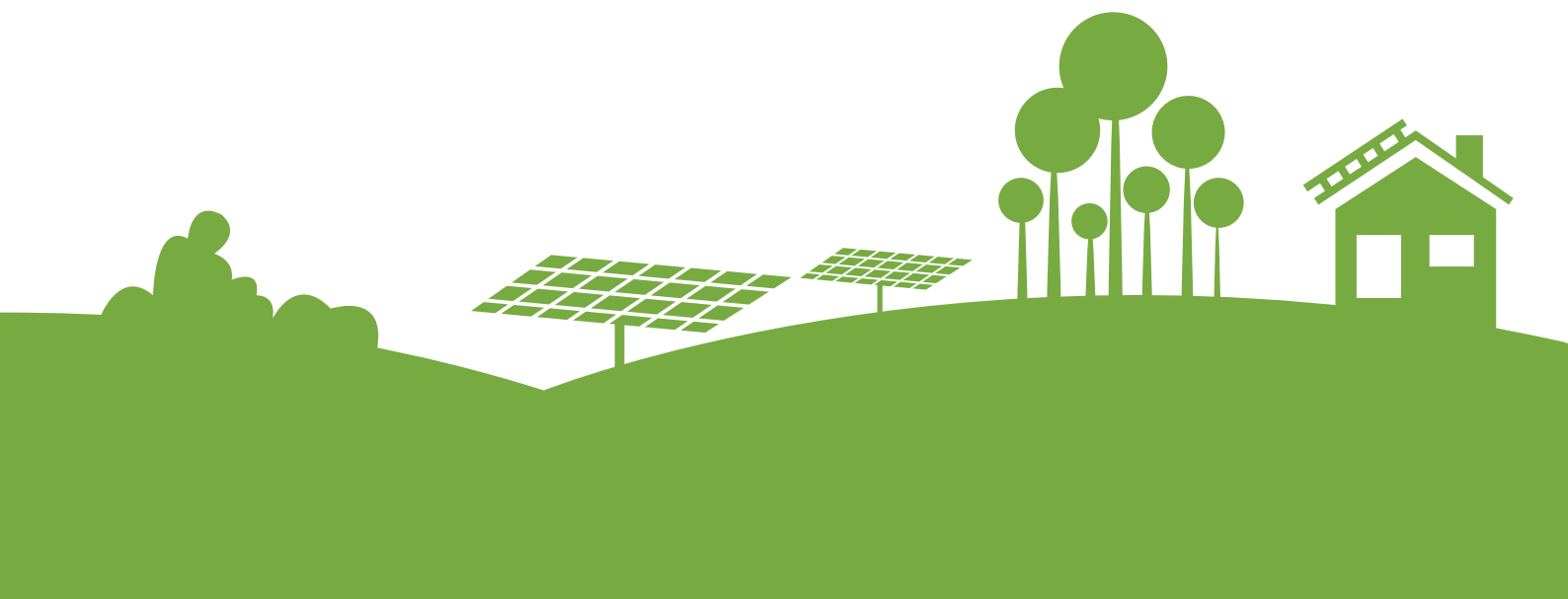


Global Compact

A human face to the global market.

The United Nations Global Compact is a call to companies everywhere to voluntarily align their operations and strategies with ten universally-accepted principles in the areas of human rights, labour, environment and anti-corruption, and to take action in support of UN goals, including the Millennium Development Goals.

Stelvio Kontek agrees on and takes part in the UN Global Compact platform for the development, implementation, and disclosure of responsible corporate policies and practices. Launched in 2000, it is the largest corporate responsibility initiative in the world, with over 10,000 signatories based in 140 countries.



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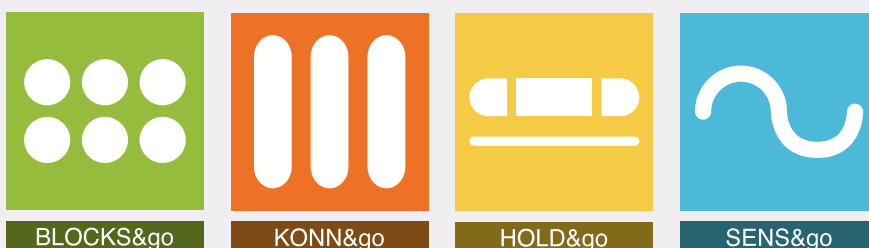
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