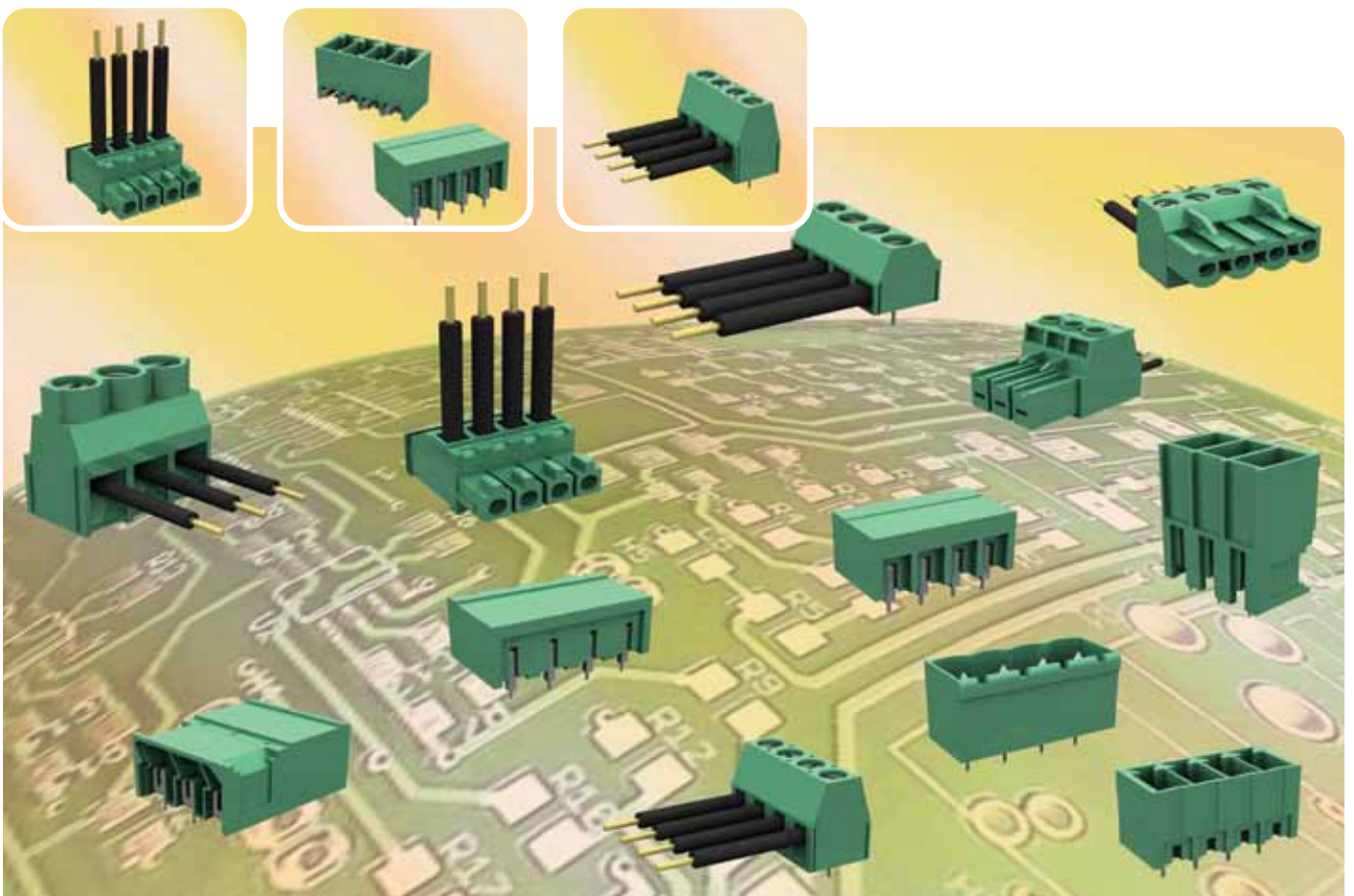




Terminal Blocks



 ELECTRONICS

TERMINAL BLOCKS

FCI: SETTING THE STANDARD FOR CONNECTORS

With 13,000 employees in 30 countries and sales of 1.25 billion euros in 2008, FCI is a leading manufacturer of connectors for various markets such as automotive, telecommunication infrastructures and consumer and industrial electronics.

FCI TERMINAL BLOCKS

FCI's PCB signal and power Terminal Blocks are available in both pluggable and fixed configurations. They both utilize proven high performance Cage – clamp technology that ensures a perfect connection time after time.

FCI supports its high reliability Terminal Blocks with excellent customer service, standard products delivered from stock, fast sample service and easy access to product information at www.fci.com/terminalblocks.

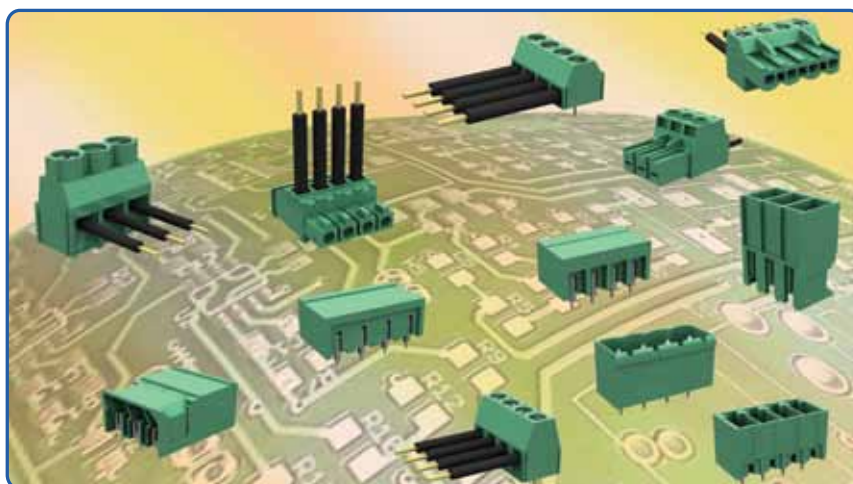


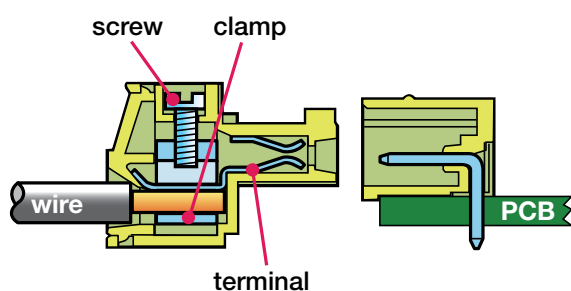
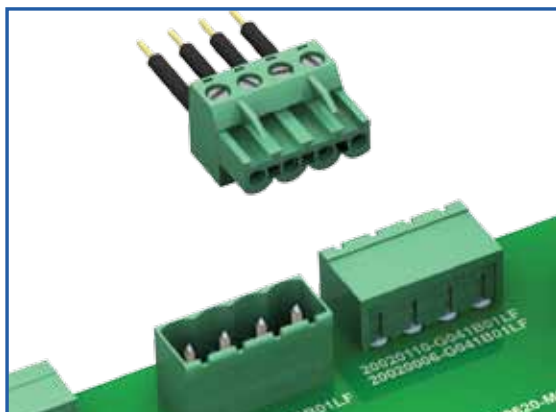
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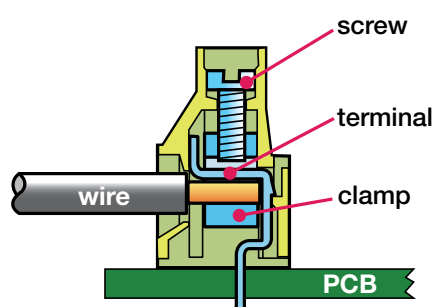
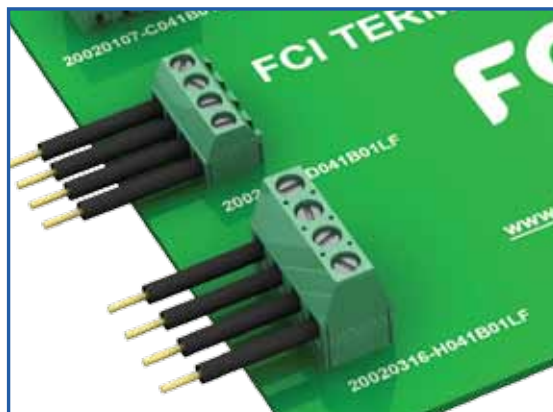
LIABILITY

We believe that the information contained in this publication is the best currently available on the subject. It is offered as a possible helpful suggestion in any experimentation you may care to undertake and is subject to revision as additional knowledge and experience is gained. FCI makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patent. Information given on the drawings in this document is not suitable for tooling design and construction. To obtain the correct drawings for these purposes, contact your local FCI representative.

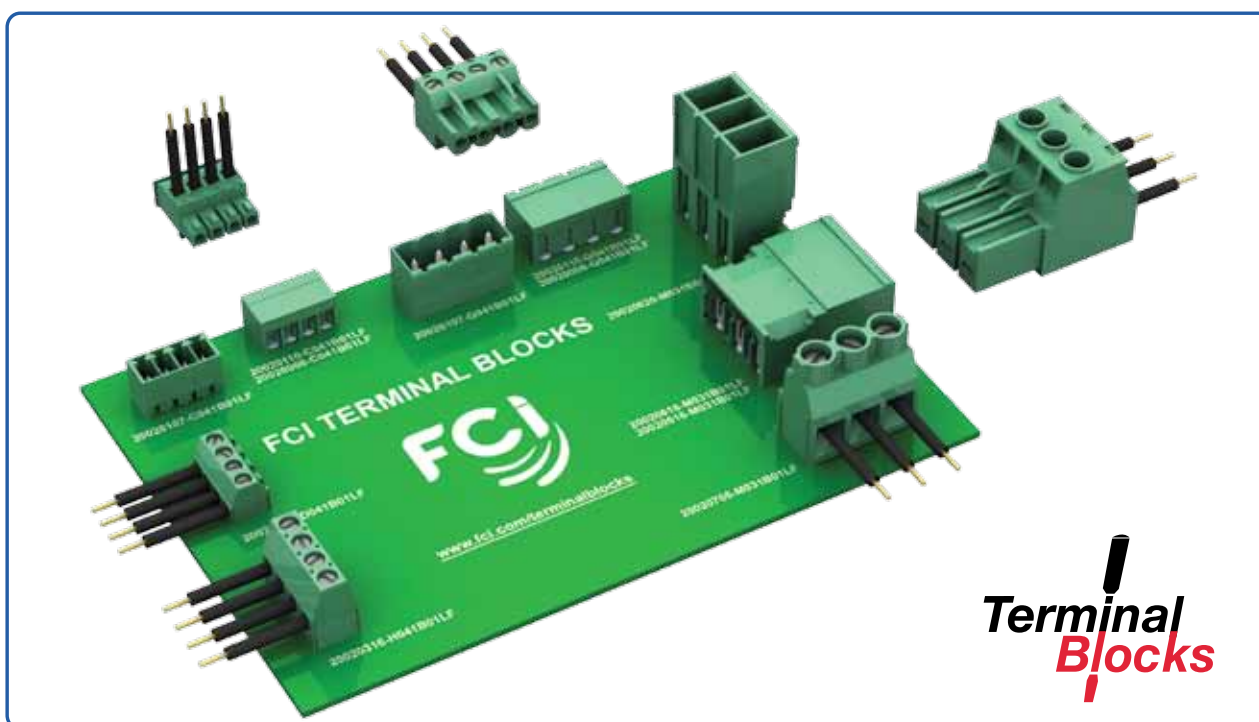
PLUGGABLE



FIXED



Application Overview



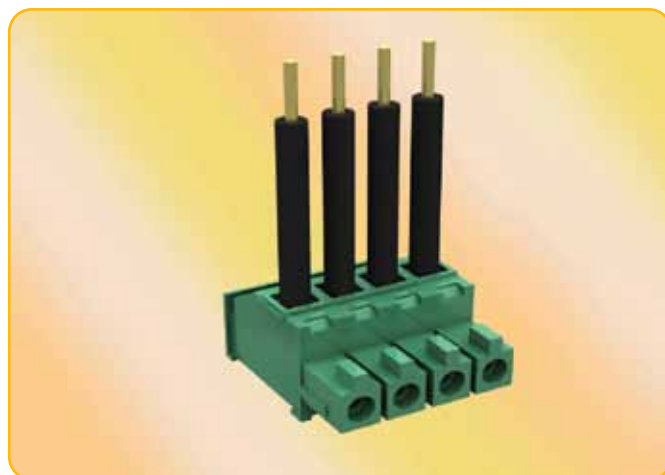
**Terminal
Blocks**

Pluggable Plug - key entry side - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Key on entry side
- 90° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

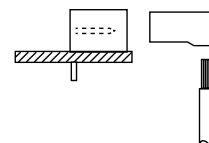
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	02-350	02-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	8	8
SOLID/STRANDED WIRE (AWG)	16~28	16~28
WIRE CROSS SECTION (mm ² mm)	1.5~0.15	1.5~0.15
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE (Lb-in) [Nm]	1.7 [0.19]	1.7 [0.19]
SCREW	M2	M2
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable socket STR
3.50 / 3.81 mm - mpn 20020 107
- Pluggable socket RA
3.50 / 3.81 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

20020008 - Pitch Poles 1 B 01 LF

Pitch

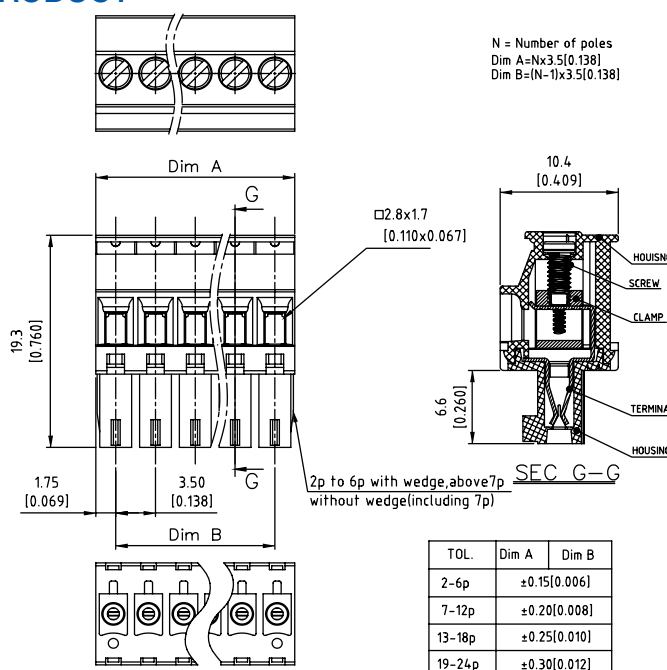
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



Pluggable Plug - hook entry side - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Hook on entry side
- 90° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

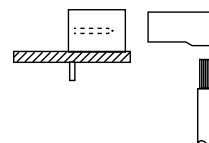
REFERENCE DATA

PROPERTY TABLE			
FCI SERIES NAME	02-500	02-508	
PITCH (mm)	5.00	5.08	
VOLTAGE RATING (VAC)	300	300	
CURRENT RATING (A)	12	12	
SOLID/STRANDED WIRE (AWG)	12-24	12-24	
WIRE CROSS SECTION (mm×mm)	4.0-0.2	4.0-0.2	
WIRE STRIP LENGTH(mm)	6-7	6-7	
TORQUE (Lb-in) [Nm]	8.5 [0.40]	8.5 [0.40]	
SCREW	M3	M3	
WITHSTANDING VOLTAGE (kV)	1.6	1.6	
OPERATING TEMP. (°C)	-40~115	-40~115	
POLES AVAILABLE	02-24	02-24	
SAFETY CERTIFICATE			

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 107
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

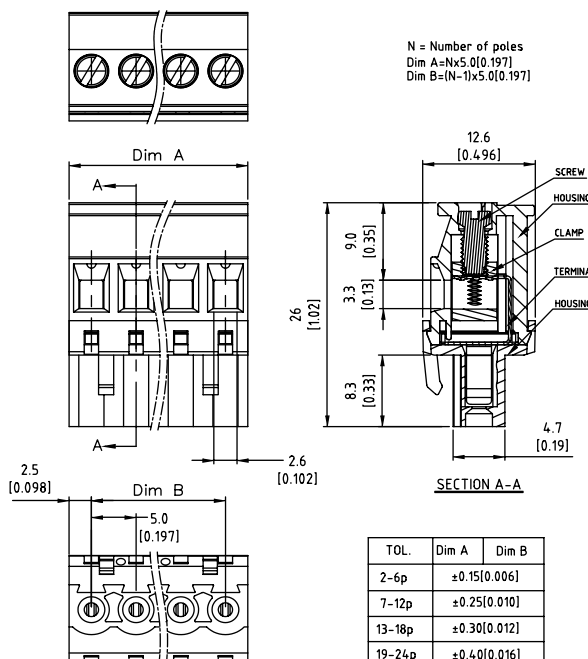
20020008 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

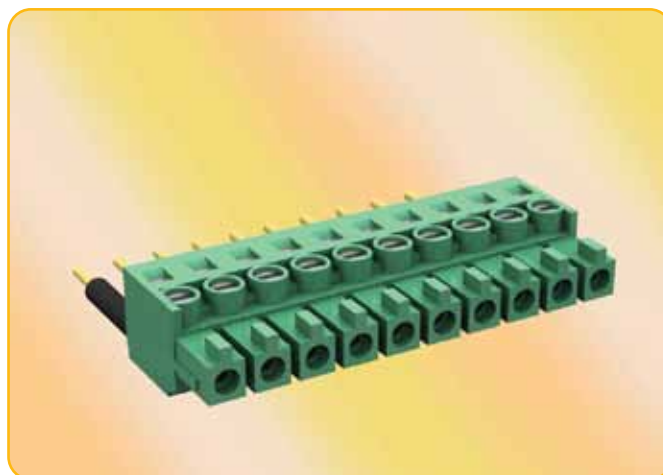


Pluggable Plug - contact up side - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact on upside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

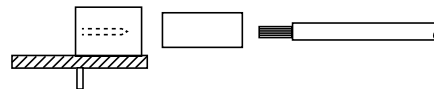
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	01-350	01-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
SOLID/STRANDED WIRE (AWG)	16~26	16~26
WIRE CROSS SECTION (mm²mm)	1.5~0.2	1.5~0.2
WIRE STRIP LENGTH (mm)	6~7	6~7
TORQUE (Lb-in) [Nm]	2.0 [0.23]	2.0 [0.23]
SCREW	M2	M2
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		cULus

MATING DATA

- Pluggable socket STR
3.50/ 3.81 mm - mpn 20020 107
- Pluggable socket RA
3.50/ 3.81 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

20020004 - Pitch Poles 1 B 01 LF

Pitch

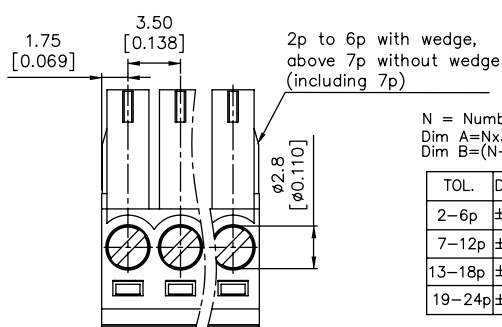
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

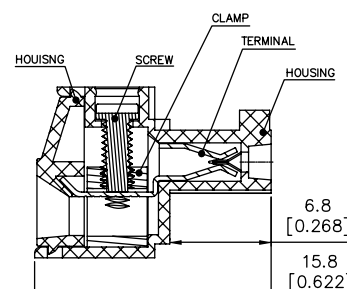
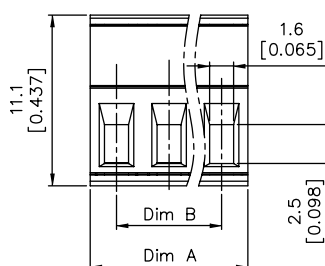
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim A = $N \times 3.5 [0.138]$
Dim B = $(N-1) \times 3.5 [0.138]$

TOL.	Dim A	Dim B
2-6p	$\pm 0.15 [0.006]$	
7-12p	$\pm 0.20 [0.008]$	
13-18p	$\pm 0.25 [0.010]$	
19-24p	$\pm 0.30 [0.012]$	

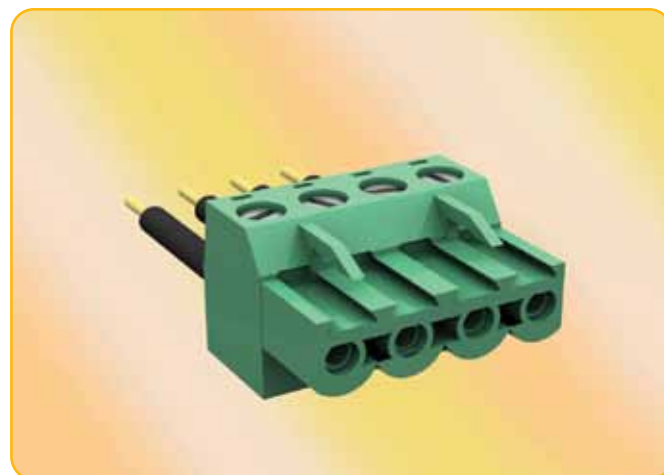


Pluggable Plug - contact up side - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Contact on upside
- 180° wire inlet versus socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- cAUS recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

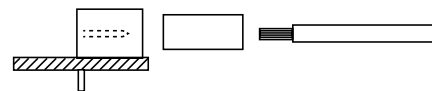
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	01-500	01-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
SOLID/STRANDED WIRE (AWG)	12-24	12-24
WIRE CROSS SECTION (mm ² mm)	4.0-0.2	4.0-0.2
WIRE STRIP LENGTH(mm)	7-8	7-8
TORQUE (Lb-in) [Nm]	5.0 [0.56]	5.0 [0.56]
SCREW	M3	M3
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable socket STR
5.00 / 5.08 mm - mpn 20020 107
- Pluggable socket RA
5.00 / 5.08 mm - mpn 20020 110

TYPICAL APPLICATIONS



PART NUMBERS

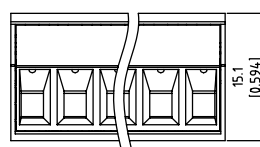
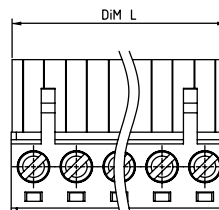
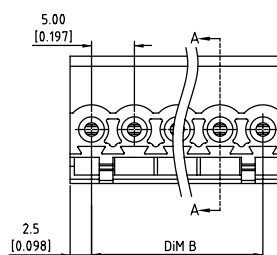
20020006 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

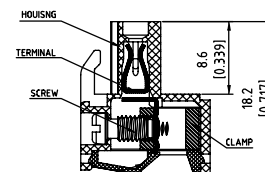
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim A = N x 5.0 [0.197]
Dim B = (N-1) x 5.0 [0.197]

TOL.	Dim A	Dim B
2-5p	±0.15 [0.006]	
6-10p	±0.20 [0.008]	
11-15p	±0.25 [0.010]	
16-20p	±0.30 [0.012]	
21-24p	±0.40 [0.016]	



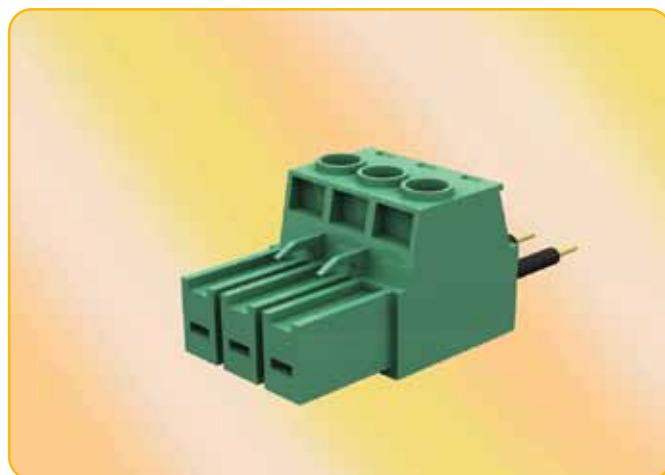
SECTION A-A

Pluggable Plug - contact down side - Power

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Contact on down side
- 180° wire inlet versus socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- High performance cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

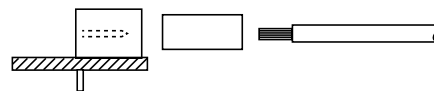
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	04-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
SOLID/STRANDED WIRE (AWG)	10~24
WIRE CROSS SECTION(mm×mm)	6.0~0.2
WIRE STRIP LENGTH(mm)	10~11
TORQUE (Lb-in) [Nm]	3.5 [0.40]
SCREW	M3.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	cULus

MATING DATA

- Pluggable socket STR TMT
7.62mm - mpn 20020 620
- Pluggable socket RA TMT
7.62mm - mpn 20020 618

TYPICAL APPLICATIONS



PART NUMBERS

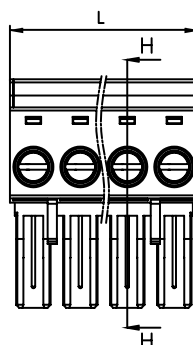
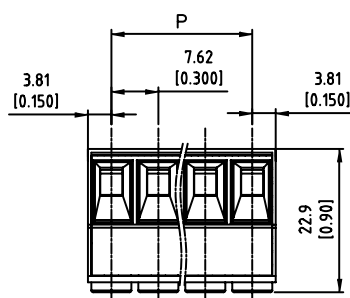
20020516 - Pitch Poles 1 B 01 LF

Pitch
M = 7.62 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
16 = 16 poles

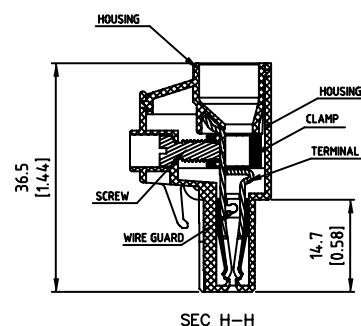
PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim L = N x 7.62 [0.300]
Dim P = (N-1) x 7.62 [0.300]

TOL.	Dim L	Dim P
2-4p	±0.10 [0.004]	
5-8p	±0.15 [0.006]	
9-12p	±0.20 [0.008]	
13-16p	±0.30 [0.012]	



Pluggable Socket - straight - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

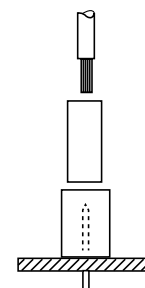
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-350	06-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

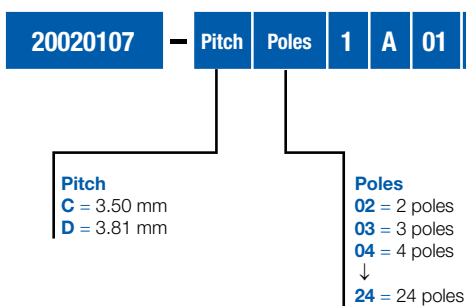
MATING DATA

- Pluggable plug- key on entry side
3.50 / 3.81 mm - mpn 20020 008
- Pluggable plug- contact up side
3.50 / 3.81 mm - mpn 20020 004

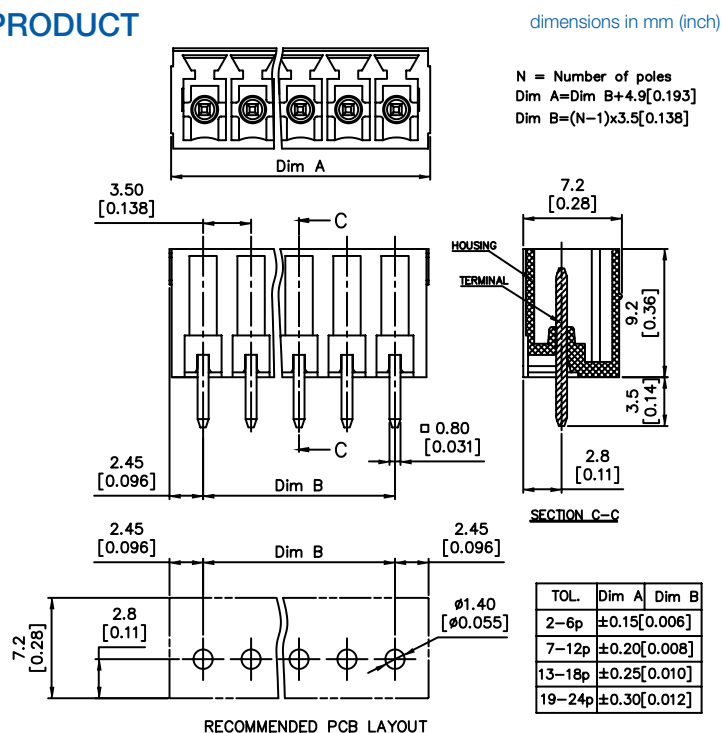
TYPICAL APPLICATIONS



PART NUMBERS



PRODUCT

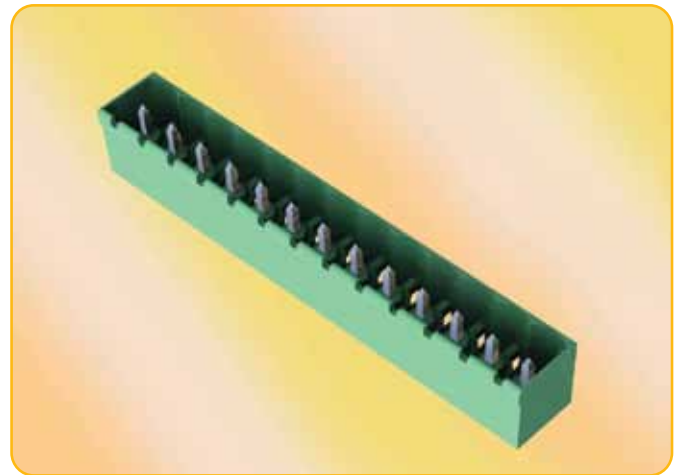


Pluggable Socket - straight - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Straight socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

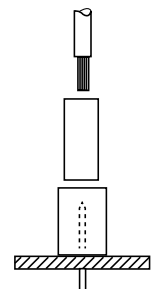
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 006

TYPICAL APPLICATIONS



PART NUMBERS

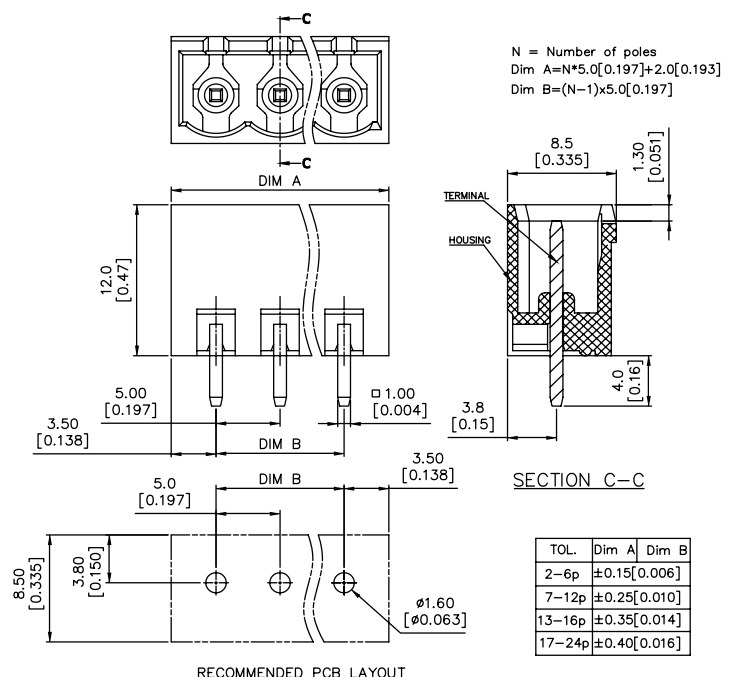
20020107 - Pitch Poles 1 A 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

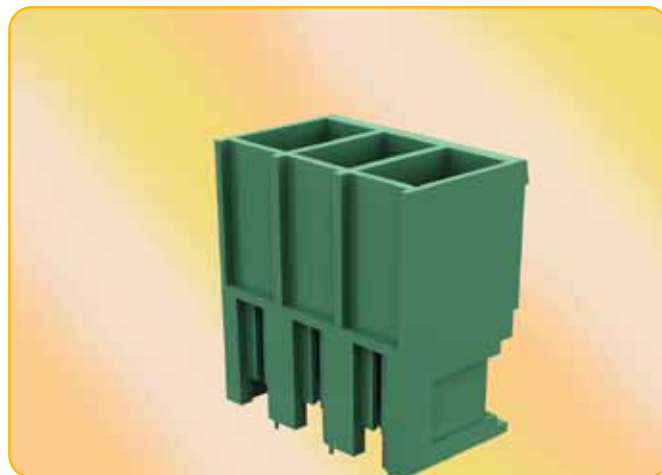


Pluggable Socket - straight - Power

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Straight socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cAUS recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

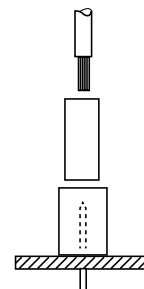
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	07-762
PITCH (mm)	3.50
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	cAUS

MATING DATA

- Pluggable plug- contact down side
7.62 mm - mpn 20020 516

TYPICAL APPLICATIONS



PART NUMBERS

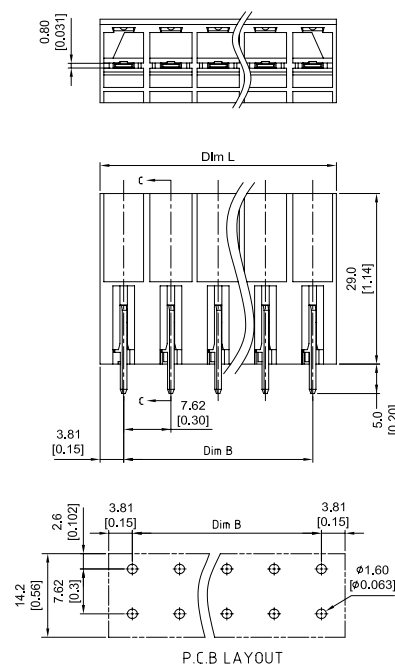
20020620 - Pitch Poles 1 A 01 LF

Pitch
M = 7.62mm

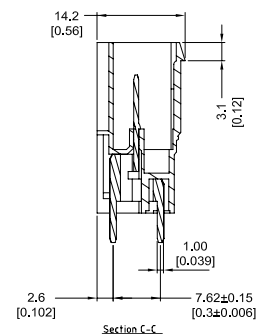
Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
16 = 16 poles

PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim L = N x 7.62 [0.300]
Dim B = (N-1) x 7.62 [0.300]



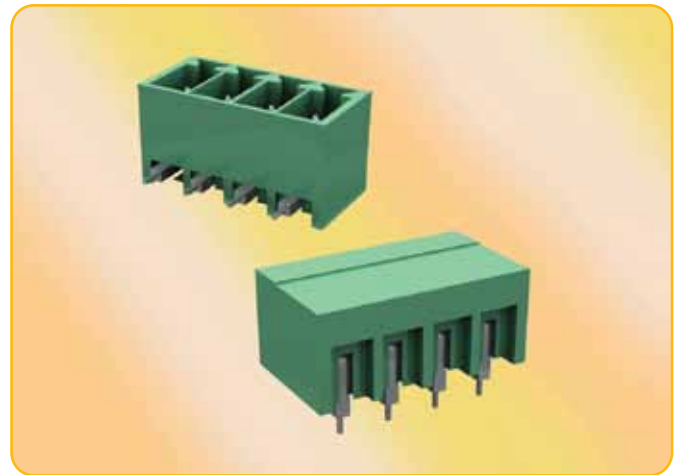
TOL	Dim L	Dim B
2-5p	±0.20 [0.008]	
6-10p	±0.25 [0.010]	
11-13p	±0.35 [0.014]	
14-16p	±0.40 [0.016]	

Pluggable Socket - right angle - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

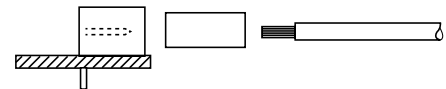
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-350	06-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	8	8
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02-24	02-24
SAFETY CERTIFICATE		

MATING DATA

- Pluggable plug- key on entry side
3.50 / 3.81 mm - mpn 20020 008
- Pluggable plug- contact up side
3.50 / 3.81 mm - mpn 20020 004

TYPICAL APPLICATIONS



PART NUMBERS

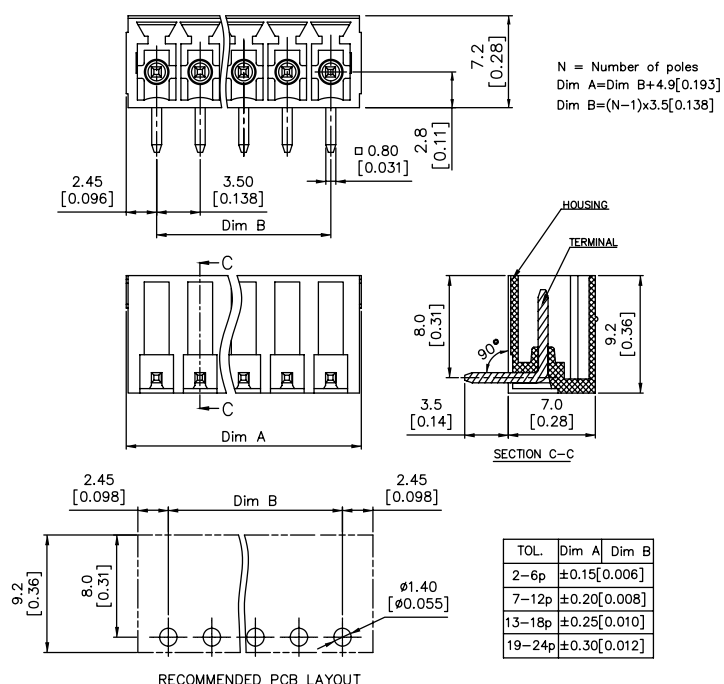
20020110 - Pitch Poles 1 A 01 LF

Pitch
C = 3.50 mm
D = 3.81 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

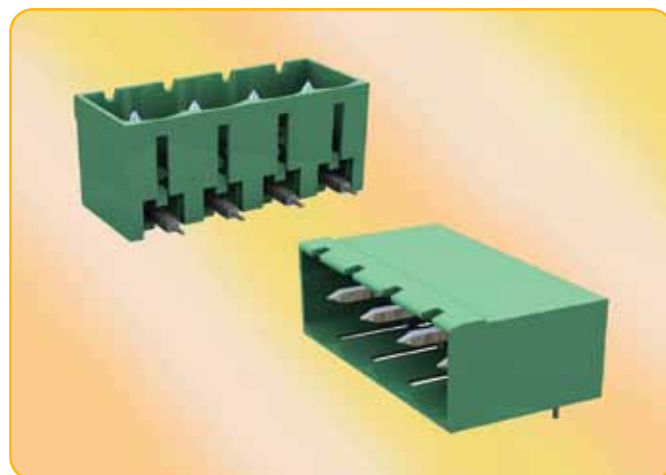


Pluggable Socket - right angle - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Right angle socket
- Signal
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

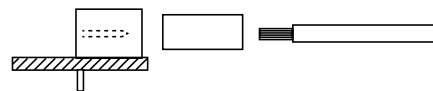
REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	06-500	06-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	12	12
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

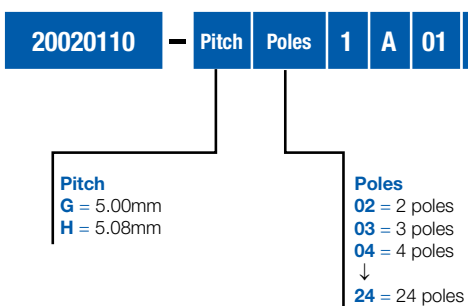
MATING DATA

- Pluggable plug- hook on entry side
5.00 / 5.08 mm - mpn 20020 008
- Pluggable plug- contact up side
5.00 / 5.08 mm - mpn 20020 004

TYPICAL APPLICATIONS

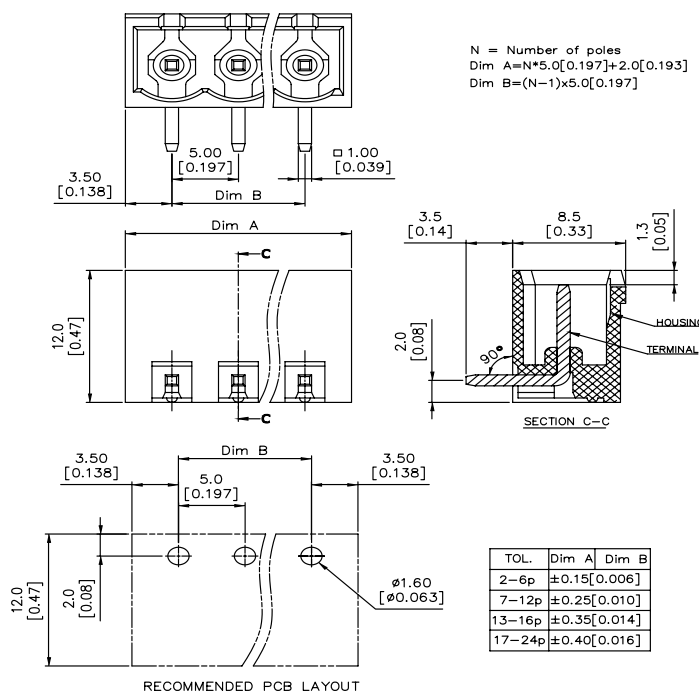


PART NUMBERS



PRODUCT

dimensions in mm (inch)

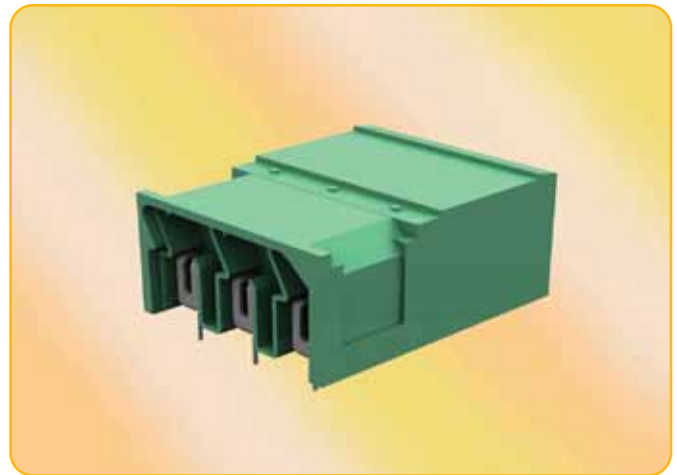


Pluggable Socket - right angle - Power

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 up to 16 pos.
- Right angle socket
- Power
- Latching feature, no mis-match
- End-to-end stackable
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: Brass, Tin plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

PACKAGING

- Standard: box

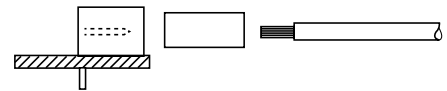
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	07-762
PITCH (mm)	3.50
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	32
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02~16
SAFETY CERTIFICATE	cULus

MATING DATA

- Pluggable plug- contact down side
7.62 mm - mpn 20020 516

TYPICAL APPLICATIONS



PART NUMBERS

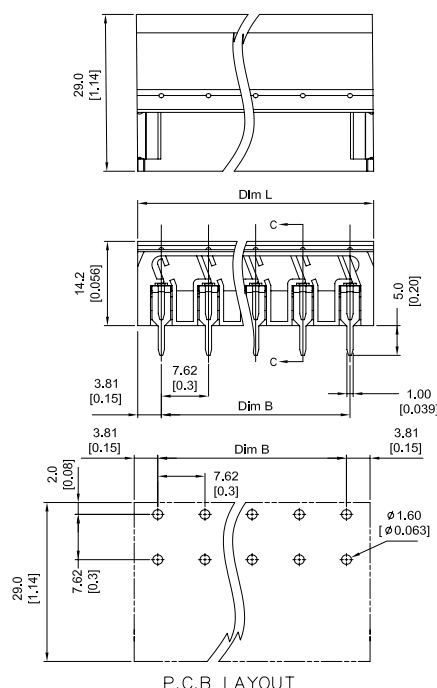
20020618	-	Pitch	Poles	1	A	01	LF
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Pitch
M = 7.62 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
16 = 16 poles

PRODUCT

dimensions in mm (inch)



N = Number of poles
Dim L=Nx7.62[0.300]
Dim B=(N-1)x7.62[0.300]

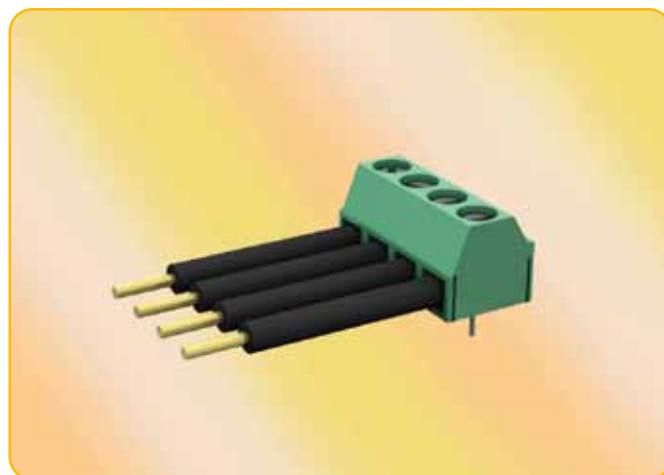
TOL.	Dim L	Dim B
2-5p	±0.20[0.008]	
6-10p	±0.30[0.012]	
11-13p	±0.35[0.014]	
14-16p	±0.40[0.016]	

Fixed - horizontal wire inlet - Signal

Pitch 3.50mm (.138") / 3.81mm (.150")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Horizontal wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance cage-clamp contact system
- cAUS recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

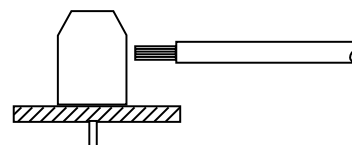
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	26-350	26-381
PITCH (mm)	3.50	3.81
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	10	10
SOLID/STRANDED WIRE (AWG)	16~24	16~24
WIRE CROSS SECTION (mm ² mm)	1.5~0.2	1.5~0.2
WIRE STRIP LENGTH (mm)	5~6	5~6
TORQUE (Lb-in) [Nm]	17 [0.19]	17 [0.19]
SCREW	M2	M2
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE		

TYPICAL APPLICATIONS



PART NUMBERS

20020327 - Pitch Poles 1 B 01 LF

Pitch

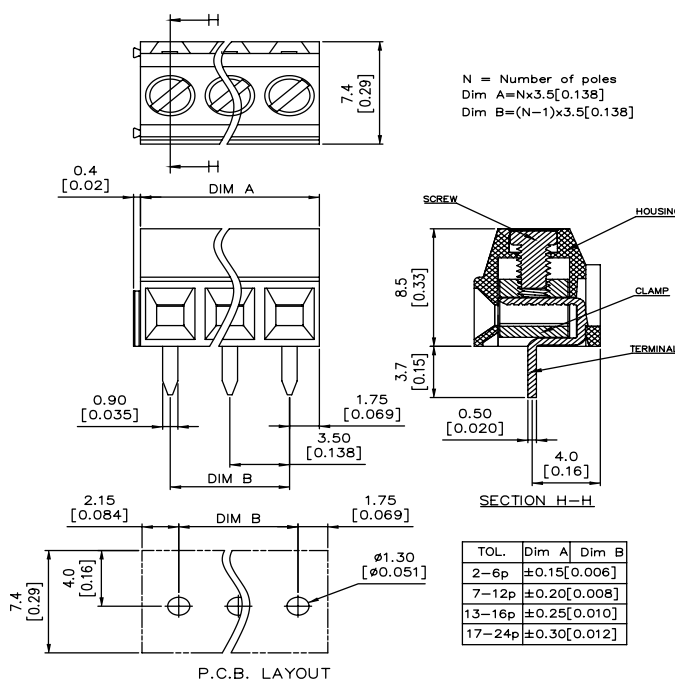
C = 3.50 mm
D = 3.81 mm

Poles

02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)

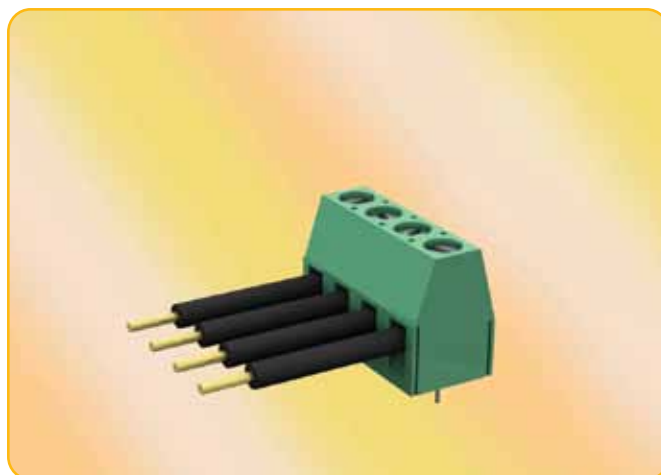


Fixed - horizontal wire inlet - Signal

Pitch 5.00mm (.197") / 5.08mm (.200")

FEATURES

- Robust and solid design
- Modular system, 2 up to 24 pos.
- Horizontal wire inlet
- Signal
- End-to-end stackable, slot feature
- High performance cage-clamp contact system
- c us recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

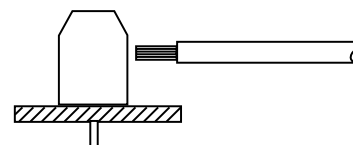
PACKAGING

- Standard: box

REFERENCE DATA

PROPERTY TABLE		
FCI SERIES NAME	21-500	21-508
PITCH (mm)	5.00	5.08
VOLTAGE RATING (VAC)	300	300
CURRENT RATING (A)	16	16
SOLID/STRANDED WIRE (AWG)	12~28	12~28
WIRE CROSS SECTION (mm²mm)	4.0~0.14	4.0~0.14
WIRE STRIP LENGTH(mm)	6~7	6~7
TORQUE (L·in) (Nm)	3.5 [0.40]	3.5 [0.40]
SCREW	M3	M3
WITHSTANDING VOLTAGE (kV)	1.6	1.6
OPERATING TEMP. (°C)	-40~115	-40~115
SOLDERING TEMP. (°C)	250±10 (5 sec.)	250±10 (5 sec.)
POLES AVAILABLE	02~24	02~24
SAFETY CERTIFICATE	Pending	us

TYPICAL APPLICATIONS



PART NUMBERS

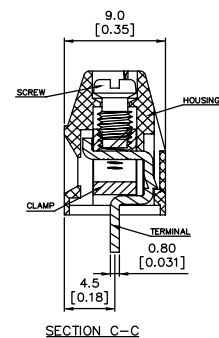
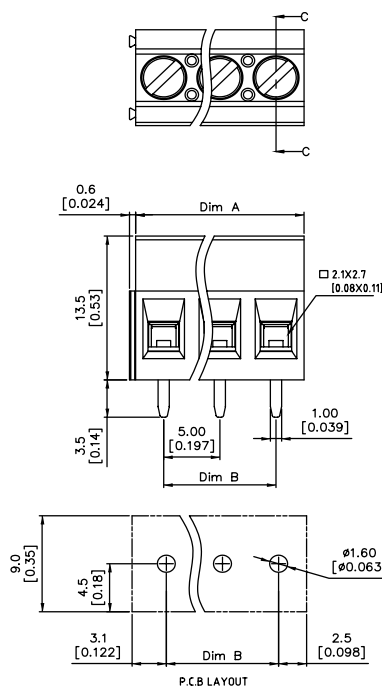
20020316 - Pitch Poles 1 B 01 LF

Pitch
G = 5.00 mm
H = 5.08 mm

Poles
02 = 2 poles
03 = 3 poles
04 = 4 poles
↓
24 = 24 poles

PRODUCT

dimensions in mm (inch)



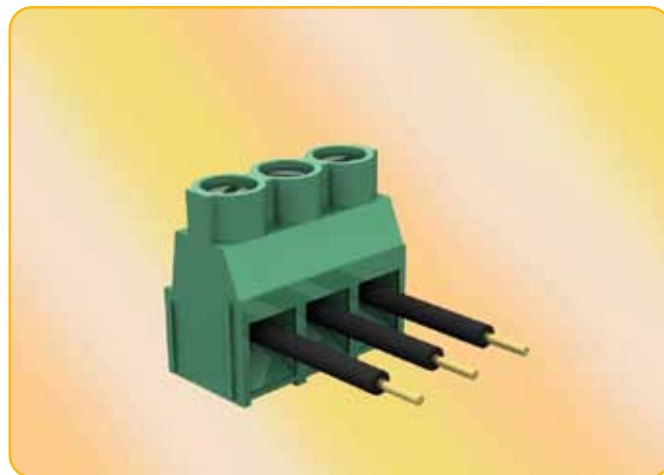
TOL.	Dim A	Dim B
2-6p	±0.15 [0.006]	
7-12p	±0.25 [0.010]	
13-16p	±0.35 [0.014]	
17-24p	±0.40 [0.016]	

Fixed - horizontal wire inlet - Power

Pitch 7.62mm (.300")

FEATURES

- Robust and solid design
- Modular system, 2 and 3 poles.
- Horizontal wire inlet
- Power
- End-to-end stackable, slot feature
- High performance cage-clamp contact system
- cULus recognized



TECHNICAL DATA

PHYSICAL

- Housing: PA66 Thermoplastic resin
- Housing color: Green
- Flammability: UL94V-0
- Terminal material: PhBz, Tin plated
- Clamp material: Brass, Nickel plated
- Screw material: Steel, Zinc plated
- RoHs compatible

MECHANICAL PERFORMANCE

- Durability: 200 cycles
- Insertion force: 5.5 Newton Max.
- Withdrawal force: 1.0 Newton Min.

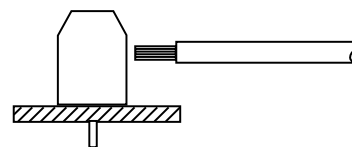
PACKAGING

- Standard: box

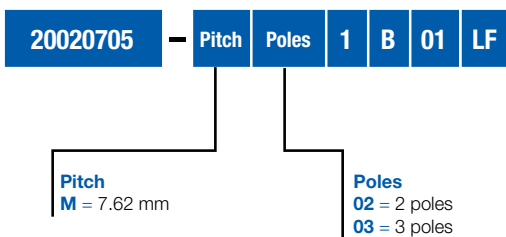
REFERENCE DATA

PROPERTY TABLE	
FCI SERIES NAME	12-762
PITCH (mm)	7.62
VOLTAGE RATING (VAC)	300
CURRENT RATING (A)	30
SOLID/STRAND WIRE (AWG)	10-24
WIRE CROSS SECTION (mm ² mm)	6-0.2
WIRE STRIP LENGTH(mm)	6-7
TORQUE (Lb-in) [Nm]	8.9 [1.01]
SCREW	M3.5
WITHSTANDING VOLTAGE (kV)	1.6
OPERATING TEMP. (°C)	-40-115
SOLDERING TEMP. (°C)	250±10 (5 sec.)
POLES AVAILABLE	02-03
SAFETY CERTIFICATE	cULus

TYPICAL APPLICATIONS

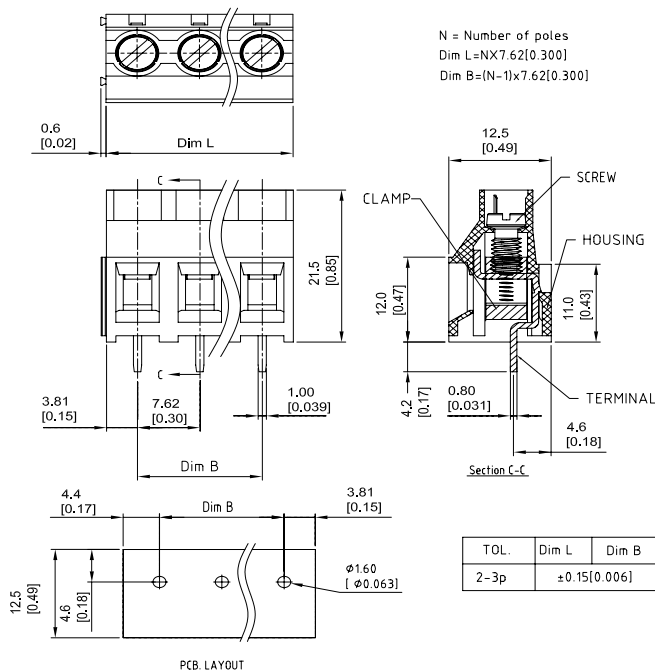


PART NUMBERS



PRODUCT

dimensions in mm (inch)





ONLINE CERTIFICATIONS DIRECTORY

XCFR2.E98107
Terminal Blocks - Component

Page Bottom

Terminal Blocks - Component

See General Information for Terminal Blocks - Component

FCI USA INC
 825 OLD TRAIL RD
 ETTES, PA 17319 USA

E98107

Cat. No.	Wire Range	Wire Type	FW	TQ Lb In.	V	A	UG	CA
221E	12	Cu	1	—	50	18	B	2(65)*
221F	12	Cu	1	—	50	18	B	2(65)*
20020 (@001)	16-28 Str/Sol	Cu	2	1.7	300	8	B	2(115), 4, #9
20020 (@002)	12-24 Str/Sol	Cu	2	3.5	300	15	B	2(115), 4, #10
20020 (@003)	16-26 Sol/Str	Cu	2	3	300	10	B, D	2(115), 4, #8
20020 (@004)	12-24 Sol/Str	Cu	2	5	300	20	B	2(115), 4, #8
20020 (@005)	—	—	1	—	300	10	B, D	2(115), #8, #13
20020 (@006)	—	—	1	—	300	20	B	2(115), #8, #13
20020 (@007)	16-24 SOL/STR	Cu	2	1.7	300	10	B	2(115), 4
20020 (@008)	12 - 22 Str/Sol	Cu	2	3.5	300	10	B, D	2(115), 4
20020 (@009)	12 - 22 Str/Sol	Cu	2	3.5	300	10	B, D	2(115), 4
20020 (@010)	12-28, Str/Sol	Cu	2	3.5	300	16	B	2(115), 4
20020 (@011)	12-28, Str/Sol	Cu	2	3.5	300	16	B	2(115), 4
20020 (@012)	24-8 Str/Sol	Cu	2	7	300	32	B	2(115), 4, #29
					300	Note A	D	
20020 (@013)	—	—	1	—	300	32	B	2(115), #29
					300	Note A	D	
20020 (@014)	10 - 24 Str/Sol	Cu	2	8.9	300	30	B	2(115), 4
					300	Note A	D	
					150	30	C	
20020 (@015)	10 - 24 Str/Sol	Cu	2	8.9	300	30	B	2(115), 4
					300	Note A	D	
					150	30	C	

Note: A - These limited ratings are applicable to a terminal block for use in or with industrial control equipment whereby the load on any single circuit of the terminal block does not exceed 15 A at 51-150 V, or 10 A at 151-300 V, or the maximum ampere rating, whichever is less.

(@001) - Followed by 008, 009, 010, or 011, followed by -, followed by C or D, followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z, followed by 01 thru ZZ, followed by LF.

followed by C or D, followed by 02 thru 24, followed by 1 thru 5,
 followed by G or H, followed by 02 thru 24, followed by 1 thru 5,
 by C or D, followed by 02 thru 24, followed by 1 thru 5, followed by
 by G or H, followed by 02 thru 24, followed by 1 thru 5, followed by
 followed by -, followed by C or D, followed by 02 thru 24, followed by 1
 followed by LF.
 followed by -, followed by G or H, followed by 02 thru 24, followed by 1
 followed by LF.
 followed by 02 thru 24, followed by 1 thru 4, followed by A thru Z,
 followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z,
 followed by 02 thru 24, followed by 1 thru 5, followed by A thru Z,
 followed by -, followed by G, H, L, T, U, or Y, followed by 02 or 03,
 thru ZZ, followed by LF.
 followed by G, followed by 02 thru 24, followed by 1 thru 56, followed by
 M, followed by 02 thru 16, followed by 1 thru 5, followed by A thru
 by -, followed by M, followed by 02 thru 16, followed by 1 thru 5,
 S, X, 1, or 4, followed by 02 or 03, followed by A thru E, followed by

(@015) - Followed by 706, followed by -, followed by J, S, X, or 4, followed by 02 or 03, followed by A thru E, followed by A
 thru Z, followed by 01 thru ZZ, followed by LF.



Marking: Company name or trademark on device. Catalog designation on device or smallest unit carton.
 Last Updated on 2009-07-27

Questions?

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FCI part number	Pitch mm	Product description	No. of Pos.	Page
PLUGGABLE TERMINAL BLOCKS				
20020008-CYY1B01LF	3,50	Pluggable plug / key on entry side / signal	02~24p	4
20020008-DYY1B01LF	3,81	Pluggable plug / key on entry side / signal	02~24p	4
20020008-GYY1B01LF	5,00	Pluggable plug / hook on entry side / signal	02~24p	5
20020008-HYY1B01LF	5,08	Pluggable plug / hook on entry side / signal	02~24p	5
20020004-CYY1B01LF	3,50	Pluggable plug / contact up side / signal	02~24p	6
20020004-DYY1B01LF	3,81	Pluggable plug / contact up side / signal	02~24p	6
20020006-GYY1B01LF	5,00	Pluggable plug / contact up side / signal	02~24p	7
20020006-HYY1B01LF	5,08	Pluggable plug / contact up side / signal	02~24p	7
20020516-MYY1B01LF	7,62	Pluggable plug / contact down side / power	02~16p	8
20020107-CYY1A01LF	3,50	Pluggable socket / straight / signal	02~24p	9
20020107-DYY1A01LF	3,81	Pluggable socket / straight / signal	02~24p	9
20020107-GYY1A01LF	5,00	Pluggable socket / straight / signal	02~24p	10
20020107-HYY1A01LF	5,08	Pluggable socket / straight / signal	02~24p	10
20020620-MYY1A01LF	7,62	Pluggable socket / straight / power	02~16p	11
20020110-CYY1A01LF	3,50	Pluggable socket / right angle / signal	02~24p	12
20020110-DYY1A01LF	3,81	Pluggable socket / right angle / signal	02~24p	12
20020110-GYY1A01LF	5,00	Pluggable socket / right angle / signal	02~24p	13
20020110-HYY1A01LF	5,08	Pluggable socket / right angle / signal	02~24p	13
20020618-MYY1A01LF	7,62	Pluggable socket / right angle / power	02~16p	14
FIXED TERMINAL BLOCKS				
20020327-CYY1B01LF	3,50	Fixed 180° / horizontal / signal	02~24p	15
20020327-DYY1B01LF	3,81	Fixed 180° / horizontal / signal	02~24p	15
20020316-GYY1B01LF	5,00	Fixed 180° / horizontal / signal	02~24p	16
20020316-HYY1B01LF	5,08	Fixed 180° / horizontal / signal	02~24p	16
20020705-MYY1B01LF	7,62	Fixed 180° / horizontal / power	02~03p	17

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