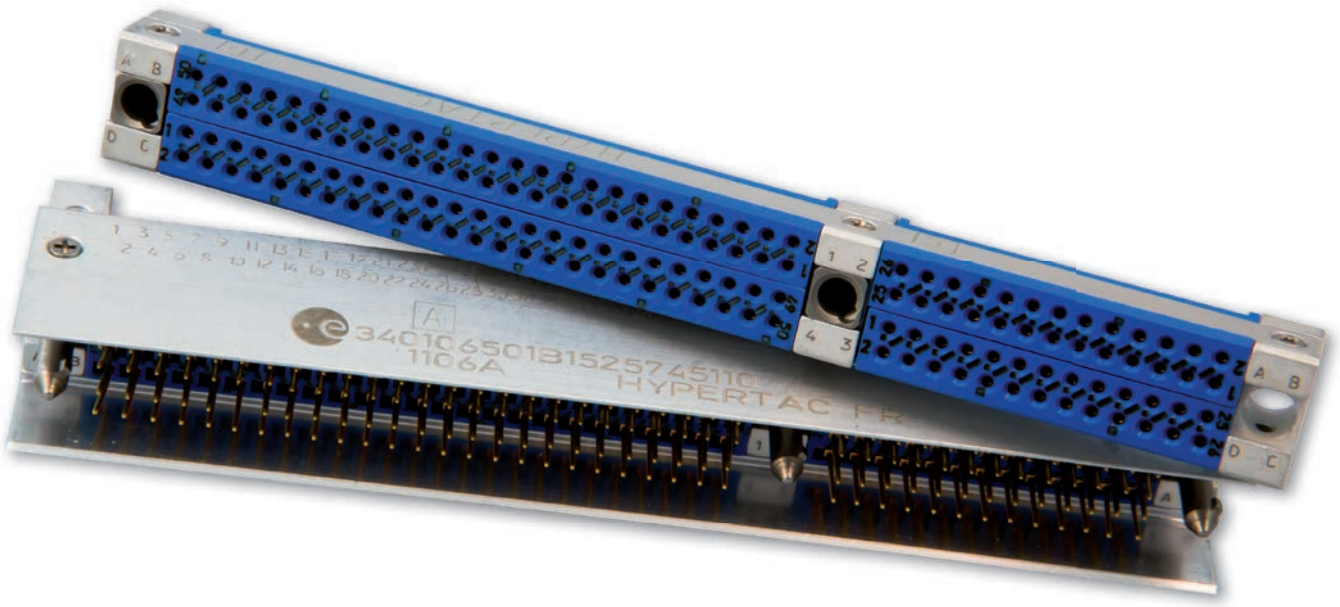
smiths interconnect
bringing technology to life

MHD / MDD / MDP

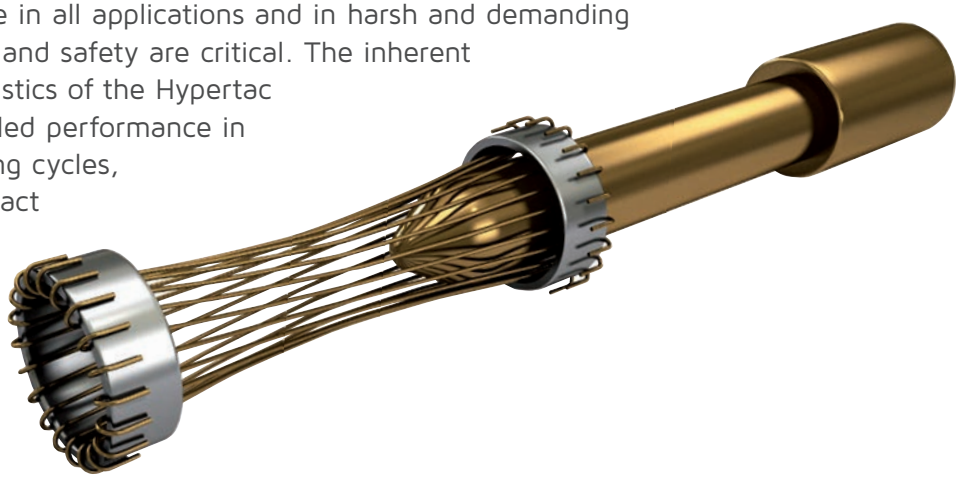
Connectors Series

PCB High Density Connectors



Hypertac® Hyperboloid Technology

Smiths Interconnect offers an extensive range of superior contact technologies suitable for standard and custom solutions. Hypertac® (HYPERboloid conTACt) is the original superior performing hyperboloid contact technology designed for use in all applications and in harsh and demanding environments where high reliability and safety are critical. The inherent electrical and mechanical characteristics of the Hypertac hyperboloid contact ensures unrivalled performance in terms of reliability, number of mating cycles, low contact force and minimal contact resistance. The shape of the contact sleeve is formed by hyperbolically arranged contact wires, which align themselves elastically as contact lines around the pin, providing a number of linear contact paths.



Features

Low insertion/extraction forces
The angle of the socket wires allows tight control of the pin insertion and extraction forces. The spring wires are smoothly deflected to make line contact with the pin.

Long contact life
The smooth and light wiping action minimizes wear on the contact surfaces. Contacts perform up to 100,000 insertion/extraction cycles with minimal degradation in performance.

Lower contact resistance
The design provides a far greater contact area and the wiping action of the wires insures a clean and polished contact surface. Our contact technology has about half the resistance of conventional contact designs.

Higher current ratings
The design parameters of the contact (e.g., the number, diameter and angle of the wires) may be modified for any requirement. The number of wires can be increased so the contact area is distributed over a larger surface. Thus, the high current carried by each wire because of its intimate line contact, can be multiplied many times.

Immunity to shock & vibration
The low mass and resultant low inertia of the wires enable them to follow the most abrupt or extreme excursions of the pin without loss of contact. The contact area extends 360° around the pin and is uniform over its entire length. The 3 dimensional symmetry of the Hypertac contact design guarantees electrical continuity in all circumstances.

Benefits

High density interconnect systems
Significant reductions in size and weight of sub-system designs. No additional hardware is required to overcome mating and un-mating forces.

Low cost of ownership
The Hypertac contact technology will surpass most product requirements, thus eliminating the burden and cost of having to replace the connector or the entire subsystem.

Low power consumption
The lower contact resistance of our technology results in a lower voltage drop across the connector reducing the power consumption and heat generation within the system.

Maximum contact performance
The lower contact resistance of the Hypertac contact reduces heat build-up; therefore Hypertac contacts are able to handle far greater current in smaller contact assemblies without the detrimental effects of high temperature.

Reliability under harsh environments
Harsh environmental conditions require connectors that will sustain their electrical integrity even under the most demanding conditions such as shock and vibration. The Hypertac contact provides unmatched stability in demanding environments when failure is not an option.

Contents

MHD Series

MDD Series

MDP Series

Technical Characteristics

Materials & Platings

Insulator	Diallyl Phtalate UL94V0
Frame	Aluminium Alloy
Contact	Copper Alloy
Guide	Brass + Ni plating or Stainless Steel
Contact plating	Ni + Au

Environmental

Temperature range	- 55° C to +125° C
Safety of contact from extraction	Statical 2 mm / 0.079" Dynamical 1.80 mm / 0.071"
Mating cycles	5000
Withdrawal forces	≤ 0.5 N
Special contacts	According to NFC 93569

Electrical

Contact resistance	Signal ≤ 12 mΩ Power ≤ 2 mΩ
Current rating	Signal 3 A Power 15 A
Insulation	$>10^4$ MΩ
Voltage rating	200 V
Proof voltage	800 V
Contact diameter	Signal 0.50 mm Power 2.00 mm
Impedance	Coaxial 50 Ω

How To Order

Code ESA	3401-065 01B				
Code HYPERTAC	MHD				
	1	2	3	4	5

1 Series

2 Arrangement

052	152	252	352	5HA	1HB	6XA
100	200	300	400	2XA	7XB	3HB

3 Part - Polarity Plating

13	55 Male Plug Standard plating	22	44 Female Receptacle Standard plating
17	57 Male Plug Pretinned	26	46 Female Receptacle Pretinned

4 Termination Styles

10 90° termination, PCB thickness 1.60	11 [1] 90° termination, PCB thickness 2.40
12 [2] 90° termination, PCB thickness 3.20	30 Straight termination, PCB thickness 2.40
31 Straight termination, PCB thickness 3.20	41 SMT [3] - PCB thickness 1.60
42 SMT [3] - PCB thickness 3.20	43 SMT [3] - PCB thickness 2.40
44 SMT [3] - Uncentered PCB thickness 3.80	45 SMT [3] - Uncentered PCB thickness 1.60
47 SMT [3] - Uncentered PCB thickness 2.40	91 Female / male saver [4]

5 Guide Styles

110 Male polarised, transverse mount, standard plug	111 Male polarised, vertical mount
121 Female polarised, vertical mount	122 Female polarised, vertical mount
124 Female polarised, transverse mount	125 Male unpolarised, transverse mount
126 Female unpolarised, vertical mount	130 Female polarised, vertical mount
131 Female polarised, vertical mount	133 Female all polarised, transverse mount
134 Female polarised, transverse mount	190 Female power or mass contact, vertical mount
191 Male power or mass contact, transverse mount	201 ¼ turn, free connector

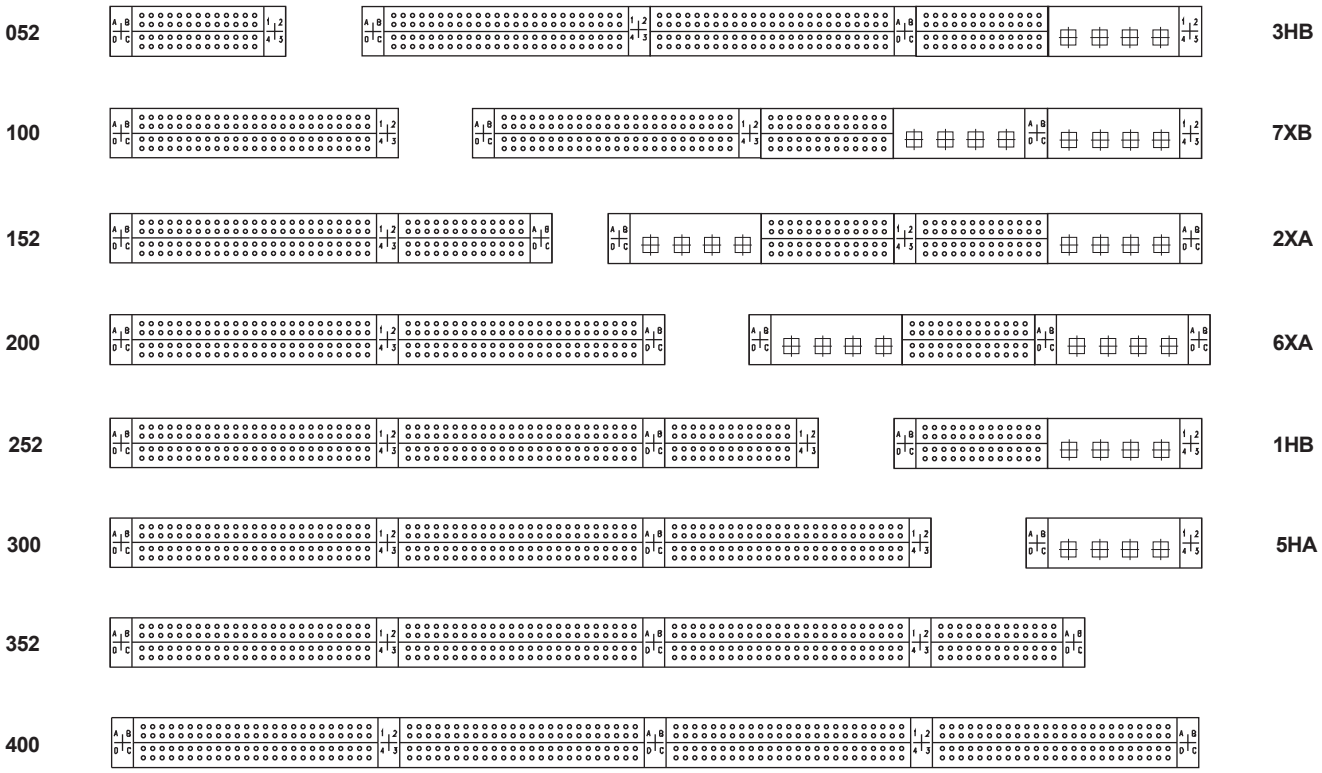
1) Available for receptacle connector
2) Available for plug connector
3) Surface Mount Termination
4) Consult us – PCB thickness is in mm

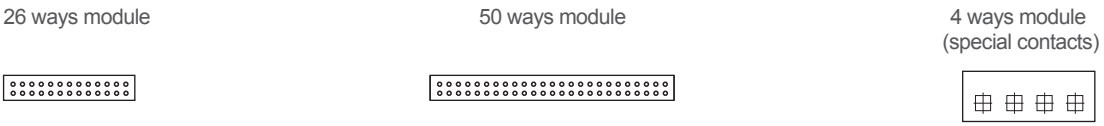
Modules Configuration

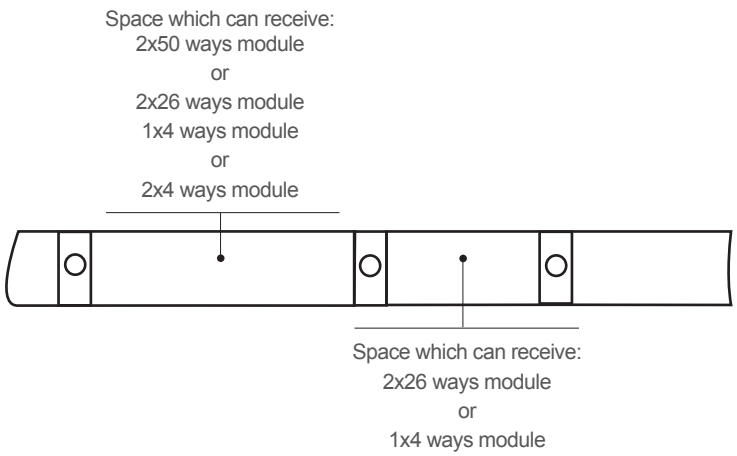
Single Arrangements

Receptacle Mating Side Views

Mixed Arrangements



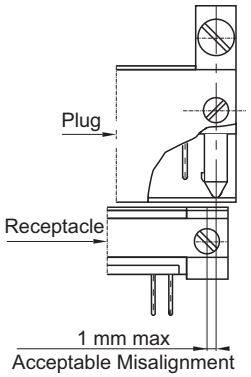




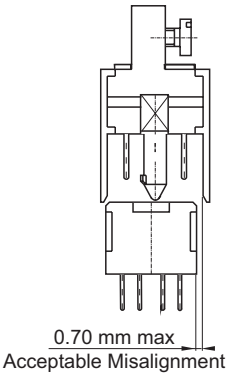
Standard Plugging Stages

Misalignment

Longitudinal

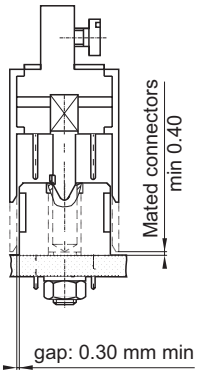


Lateral



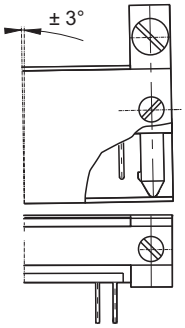
Gap

Lateral

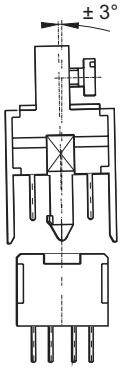


Tilting

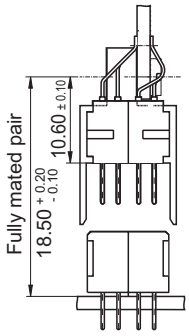
Longitudinal

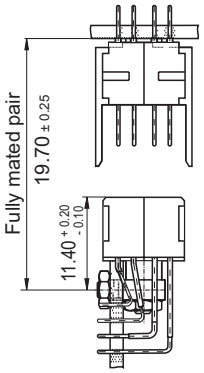


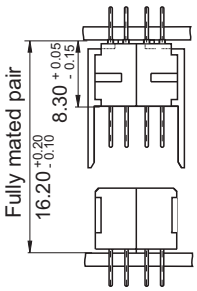
Lateral

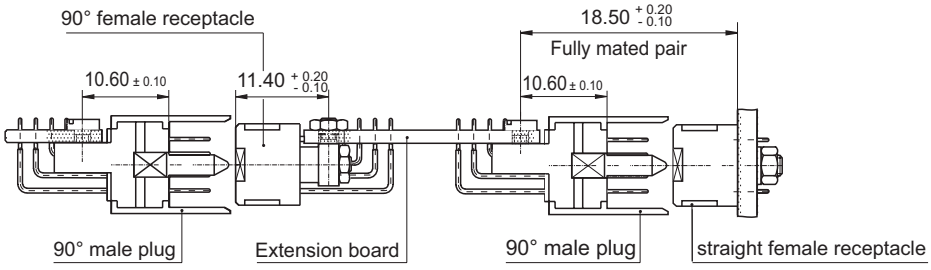


Mounting Examples









Displacement

Max displacement allowed while plugging in the receptacle: 0.15 mm in all plugged in connector ways.

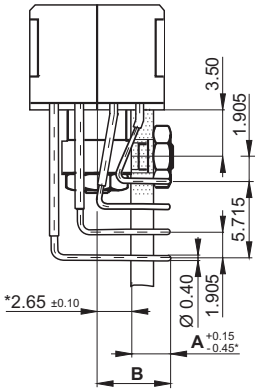
Termination Styles

Receptacle

Through board solder - 90°

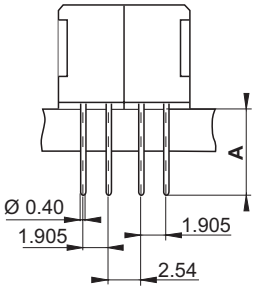
Ref: 10
PCB: 1.44 - 1.76
A = 3.25 $^{+0.15}_{-0.45}$
B = 6 max

Ref: 11
PCB: 1.98 - 2.42
A = 3.85 $^{+0.15}_{-0.45}$
B = 6.60 max



* Unbuild-up of tolerances

Through board solder - Straight



Ref: 30
PCB: 2.16 - 2.64
A = 3.50 min
A = 4.00 max

Ref: 31
PCB: 2.88 - 5.50
A = 6.10 min
A = 6.60 max

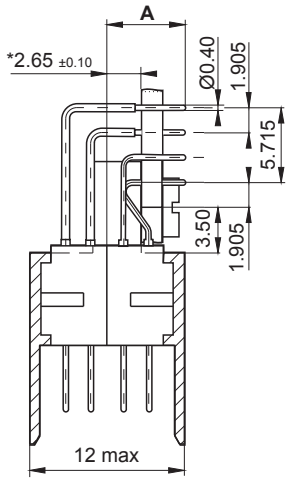
Ref: 96
PCB: 3.42 - 4.18
A = 4.70 min
5.10 max

Plug

Through board solder - 90°

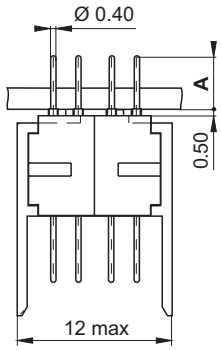
Ref: 10
PCB: 1.44 - 1.76
A = 5.95 max

Ref: 12
PCB: 2.88 - 3.52
A = 7.60 max



* Unbuild-up of tolerances

Through board solder - Straight



Ref: 30
PCB: 2.16 - 2.64
A = 3.50 min
A = 4.00 max

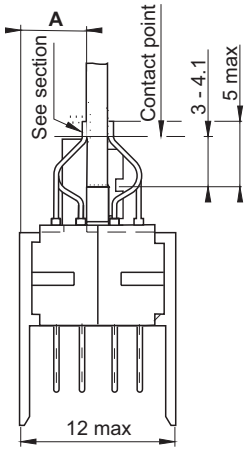
Ref: 31
PCB: 2.88 - 3.52
A = 4.60 min
A = 5.10 max

Surface mount (centered PCB)

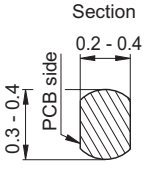
Ref: 41
PCB: 1.44 - 1.76
A = 5.20 max

Ref: 42
PCB: 2.88 - 3.52
A = 4.40 max

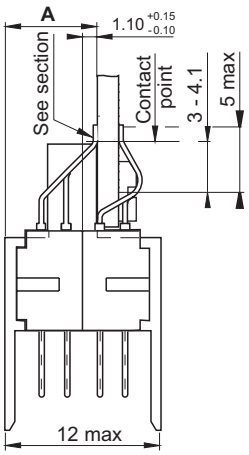
Ref: 43
PCB: 2.16 - 2.64
A = 4.80 max



Section of termination
Mandatory only for
termination 43, 45 & 47
(ESCC 3401-065)



Surface mount (uncentered PCB)



Ref: 44
PCB: 3.60 - 4.00
A = 4.40 max

Ref: 45
PCB: 1.44 - 2.40
A = 7 max

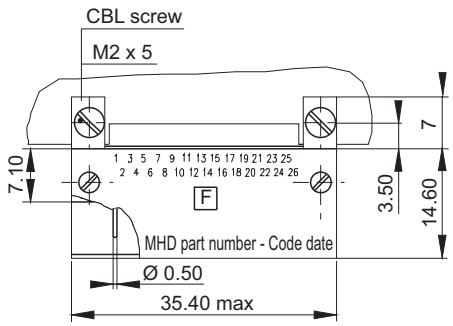
Ref: 47
PCB: 2.16 - 2.70
A = 7 max

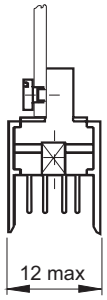
Connector Dimensions

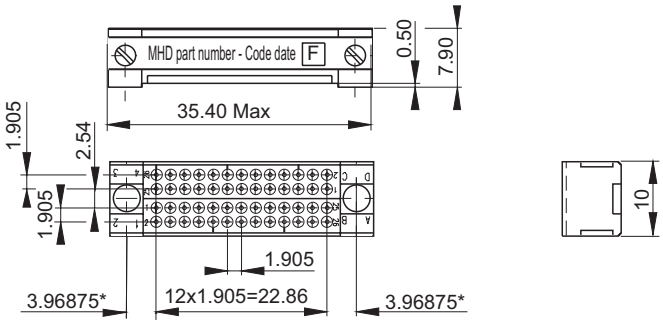
Plug

Receptacle

52 contacts

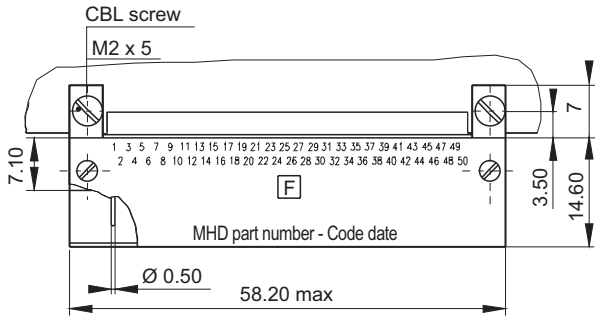


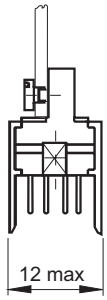


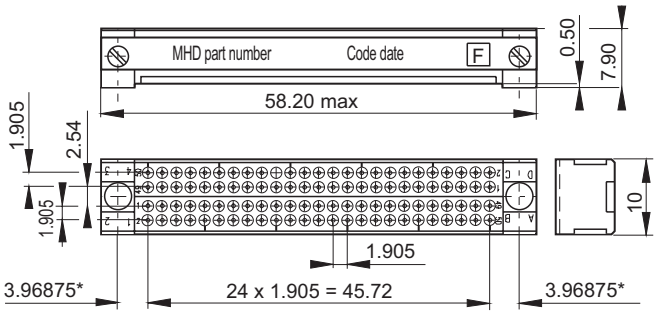


View mating side

100 contacts

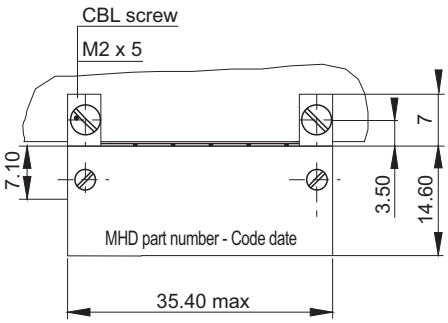


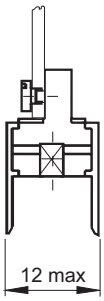


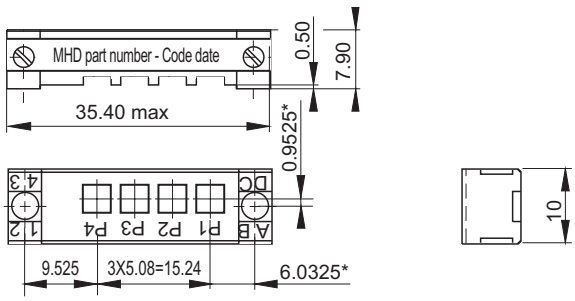


View mating side

5HA

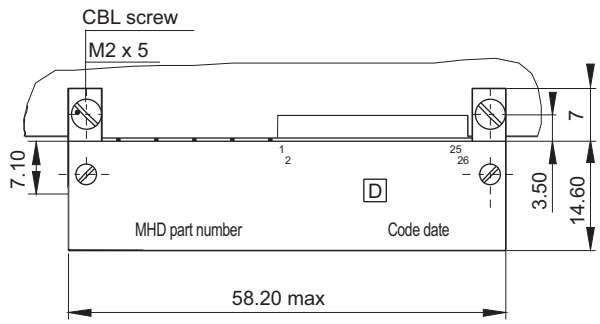


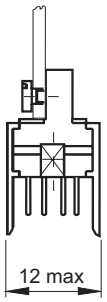


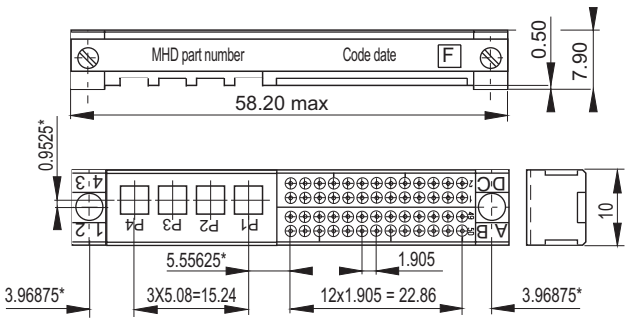


View mating side

1HB





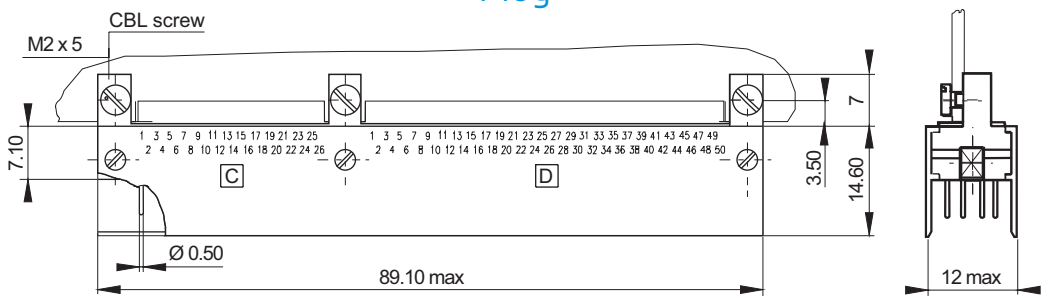


View mating side

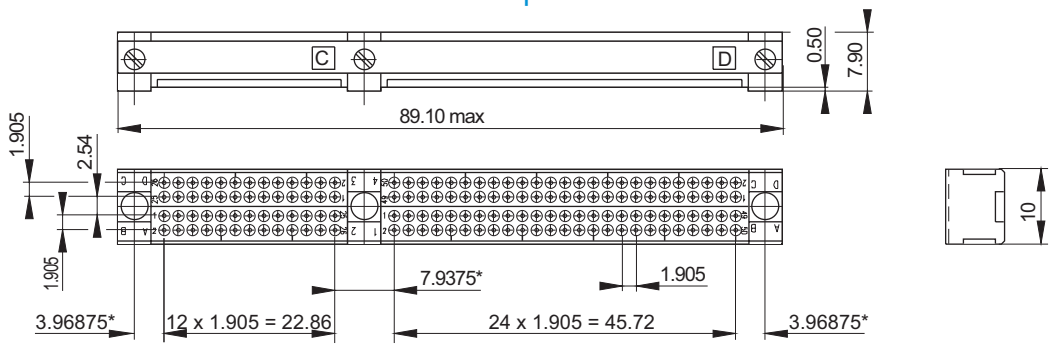
* Theoretical dimensions
The termination side contact configurations are specified on board preparation details.

152 Contacts

Plug



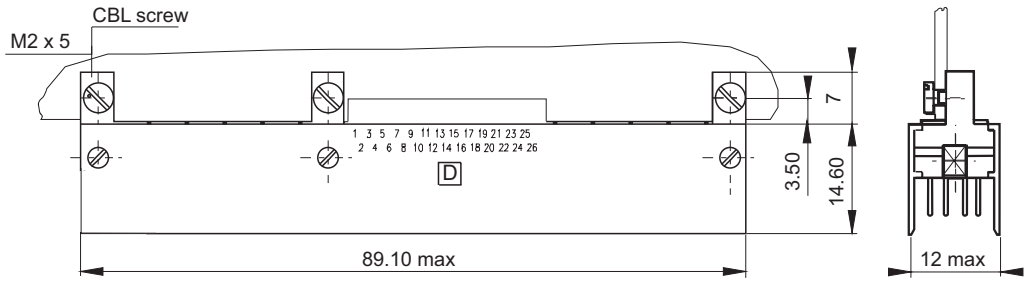
Receptacle



View mating side

6XA

Plug



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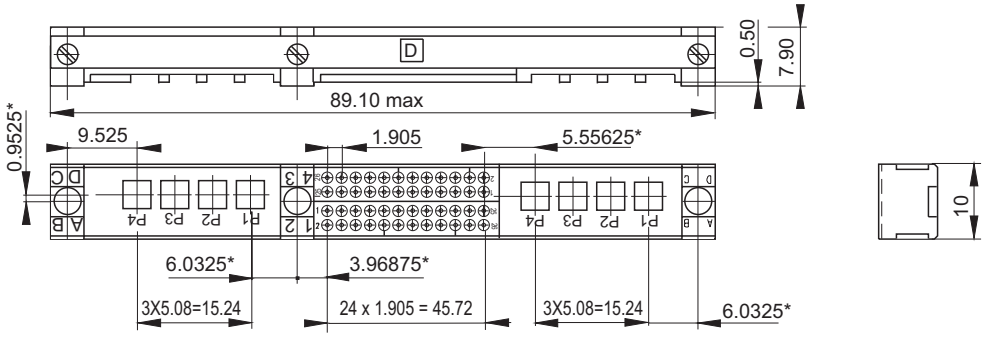
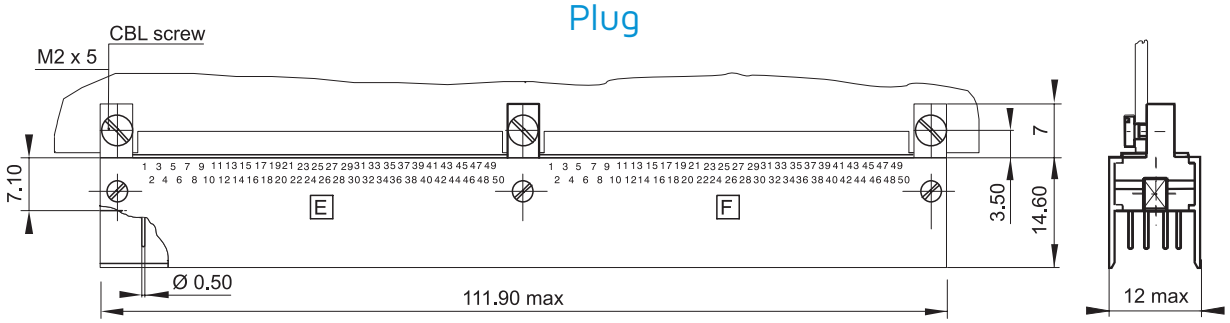


View mating side

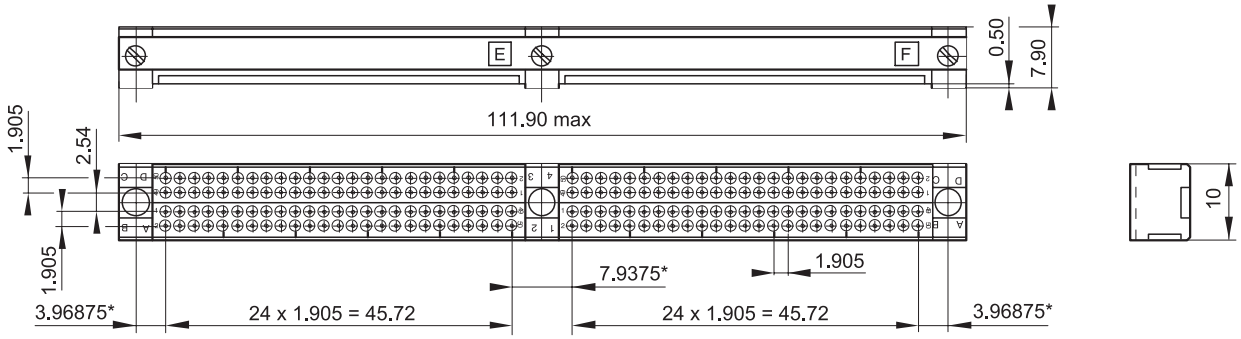
* Theoretical dimensions
The termination side contact configurations are specified on board preparation details.

200 Contacts

Plug



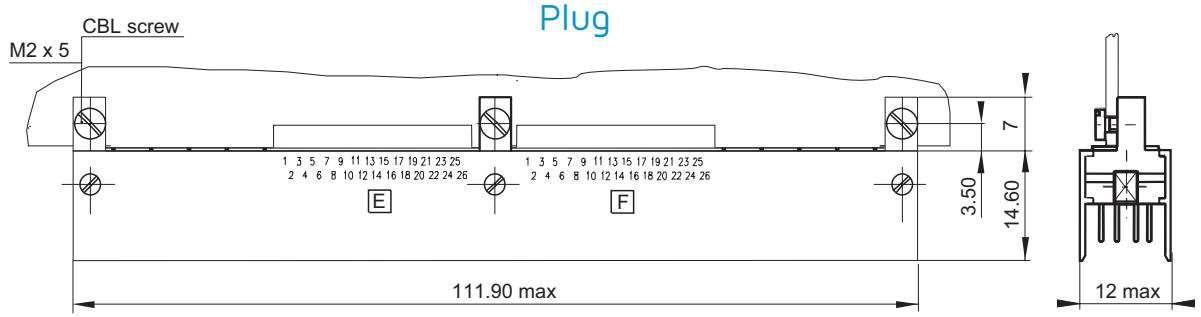
Receptacle



View mating side

2XA

Plug



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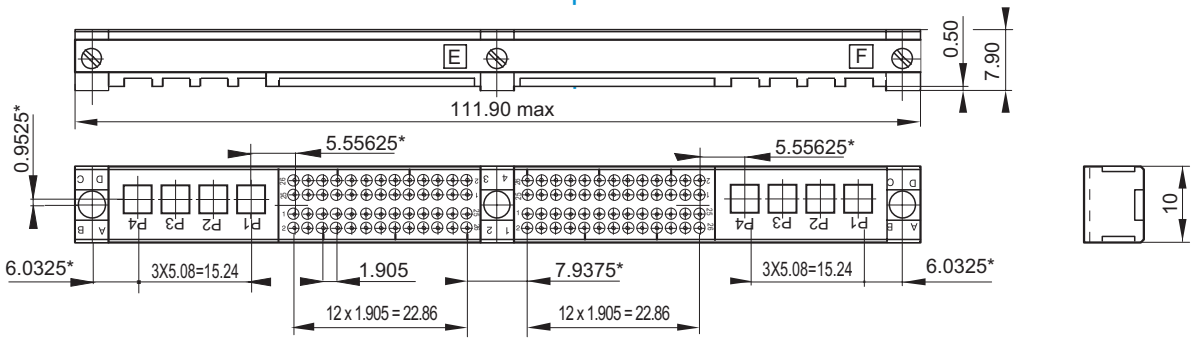
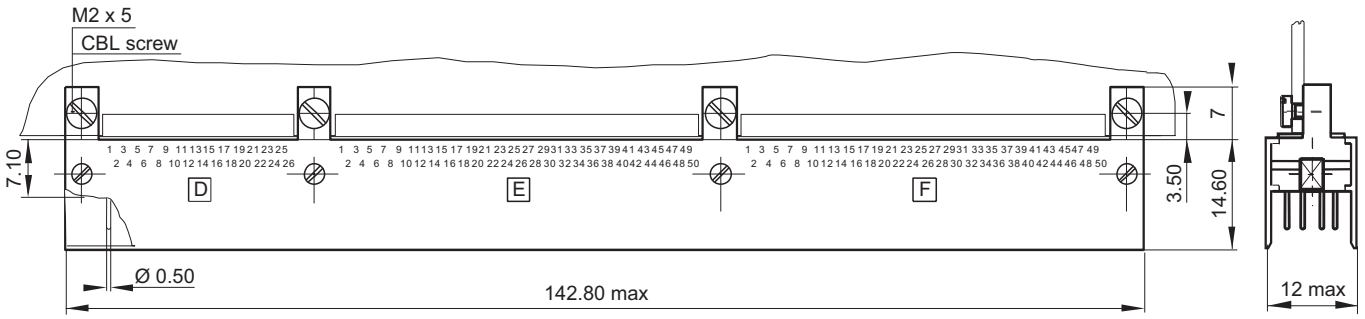


View mating side

* Theoretical dimensions
The termination side contact configurations are specified on board preparation details.

252 Contacts

Plug



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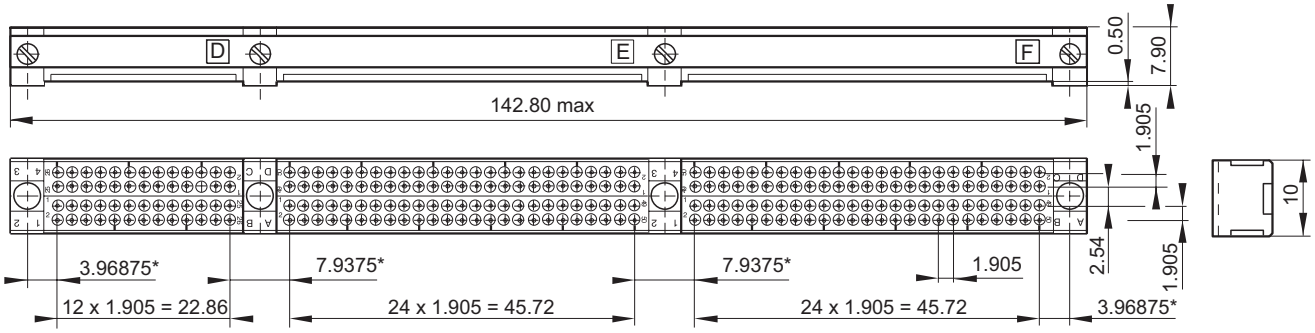
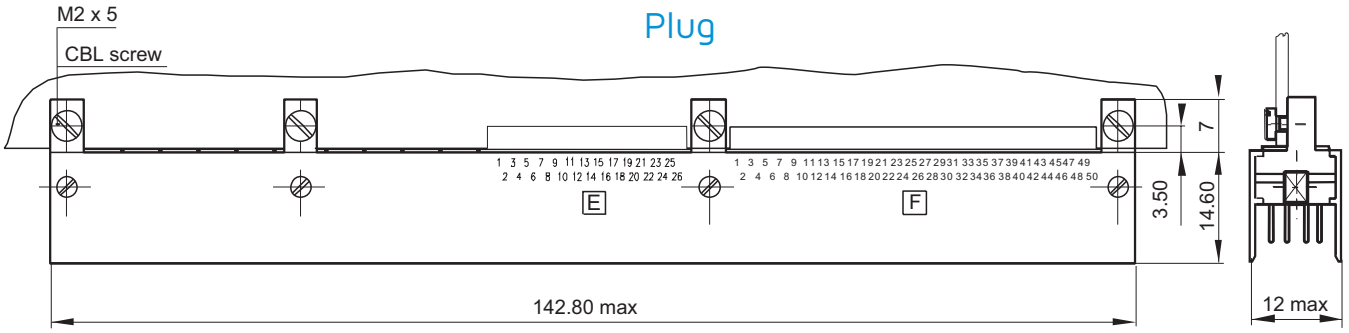


View mating side

7XB

Plug



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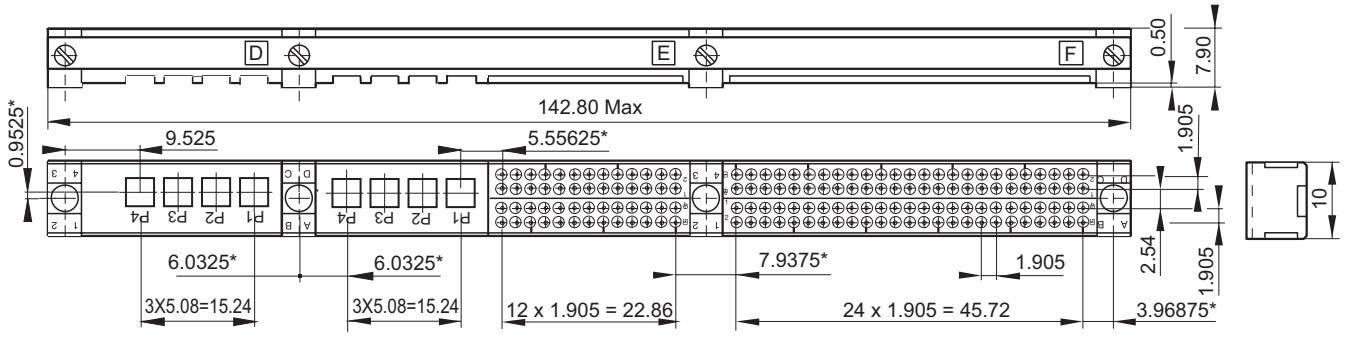


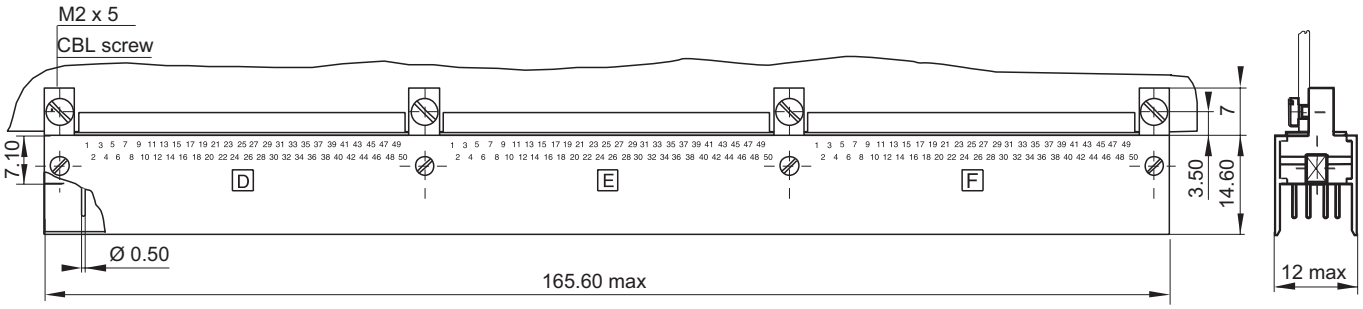
View mating side

* Theoretical dimensions

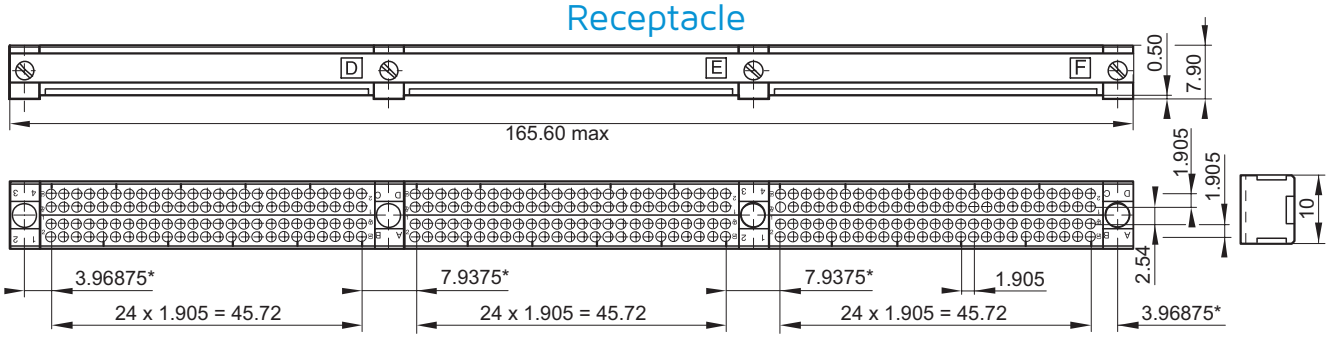
The termination side contact configurations are specified on board preparation details.

300 Contacts

Plug



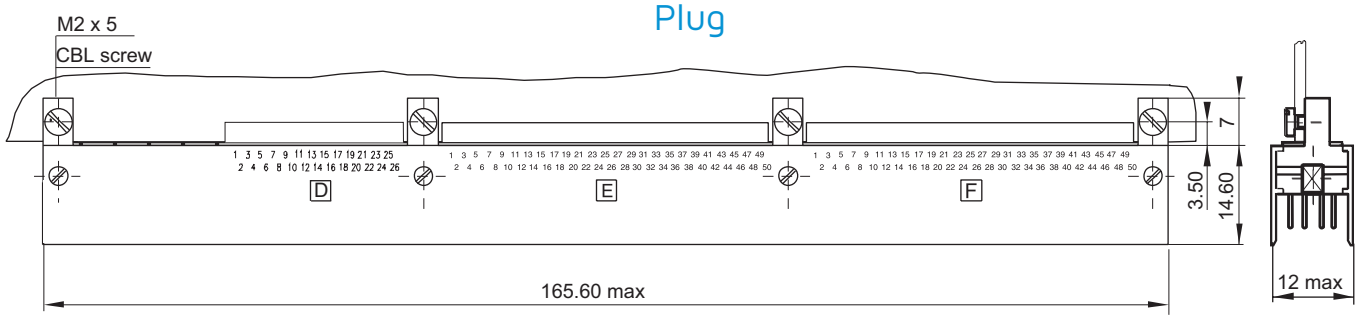
Receptacle



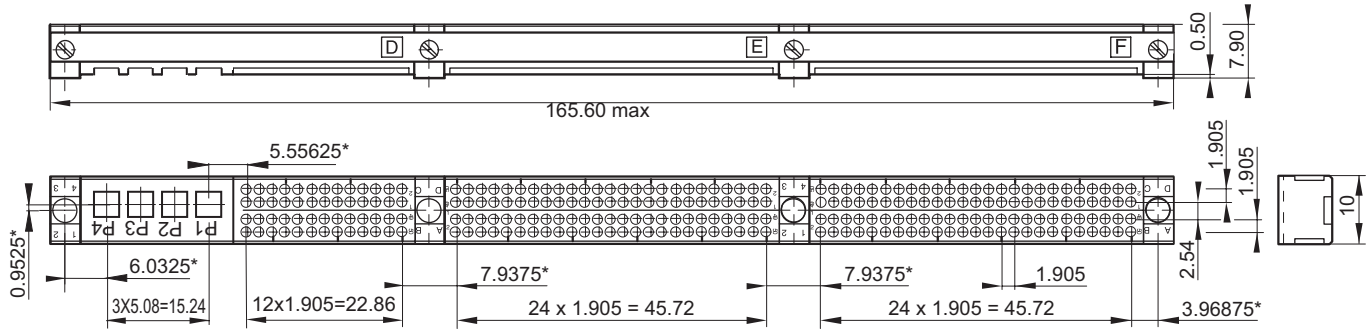
View mating side

3HB

Plug



Receptacle

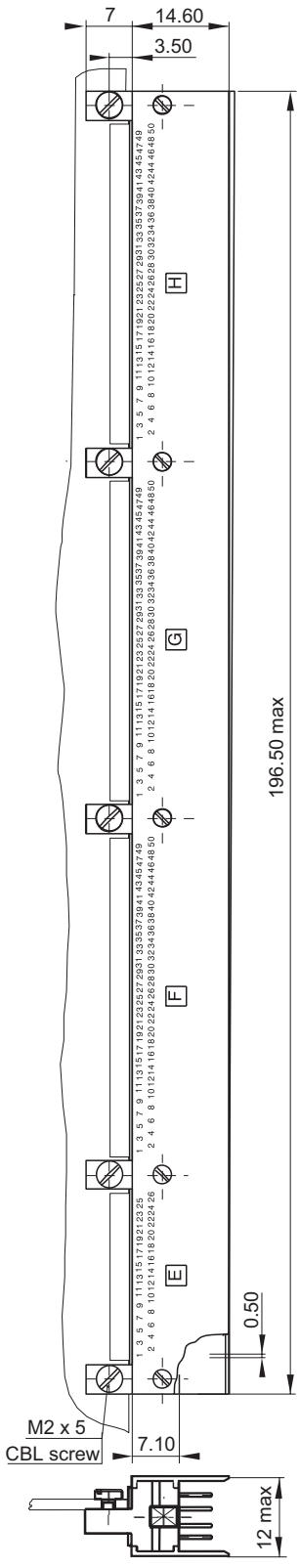


View mating side

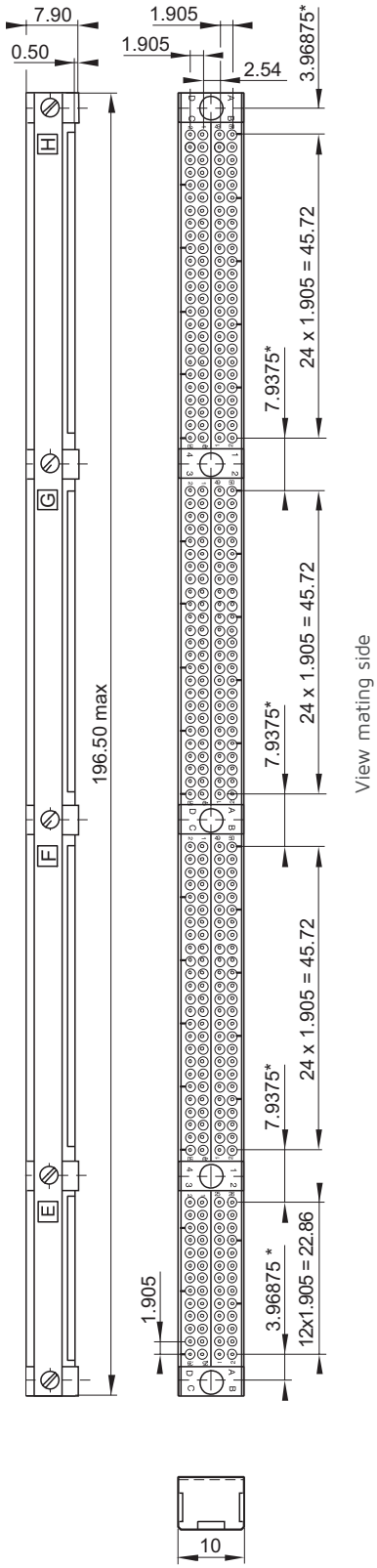
* Theoretical dimensions
The termination side contact configurations are specified on board preparation details.

352 Contacts

Plug



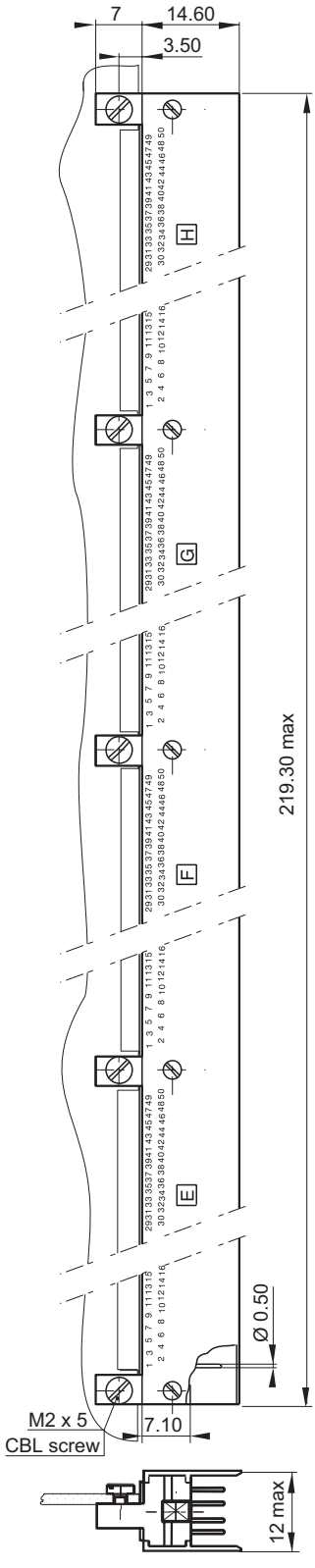
Receptacle



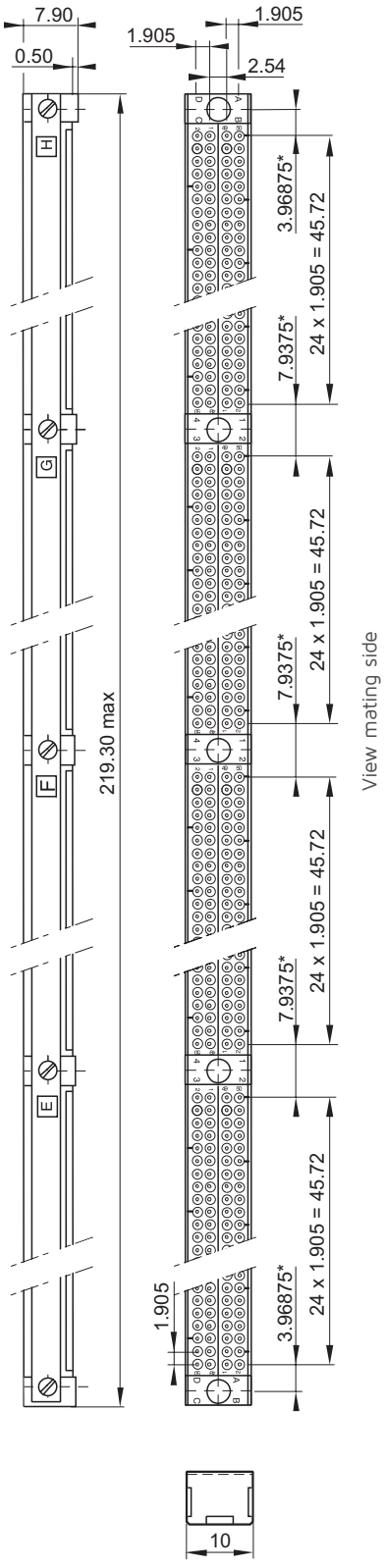
View mating side

400 Contacts

Plug



Receptacle



View mating side

* Theoretical dimensions

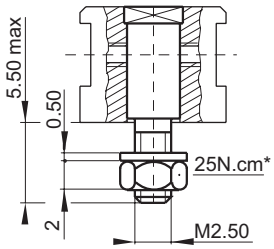
The termination side contact configurations are specified on board preparation details.

Guiding Devices

Receptacle

MHD 00- __ 121

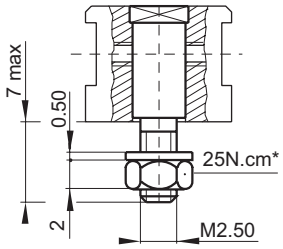
Polarised female guide vertical mounting (Length: 5.50)



Mass per set: 0.65 gr.

MHD 00- __ Z122

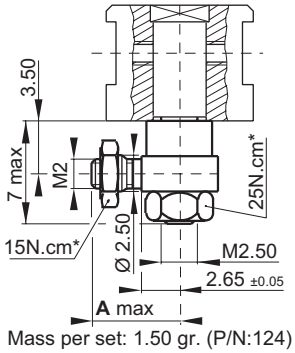
Polarised female guide vertical mounting (Length: 7)



Mass per set: 0.65 gr.

MHD 00- __ Z124 / Z134

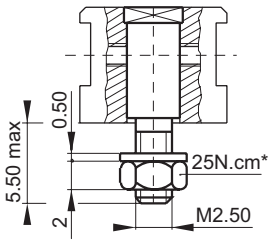
Polarised female guide transverse mounting P/N 124: A=6; 134: A=6.60



Mass per set: 1.50 gr. (P/N:124)

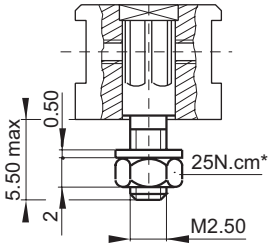
MHD 00- __ Z126

Unpolarised female guide vertical mounting



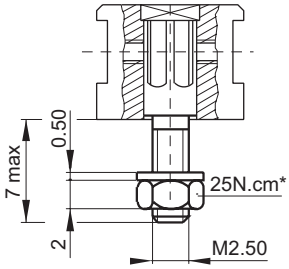
MHD 00- __ Z130

All polarity female guide vertical mounting (Length: 5.50)



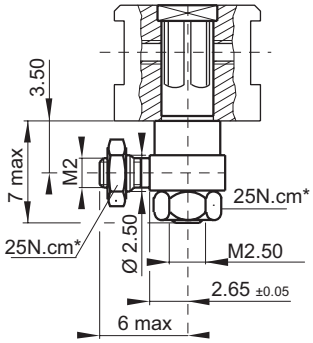
MHD 00- __ Z131

All polarity female guide vertical mounting (Length: 7)



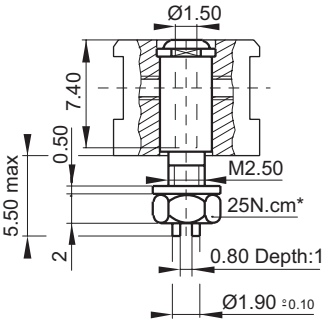
MHD 00- __ Z133

All polarity female guide transverse mounting



MHD 00- __ Z190

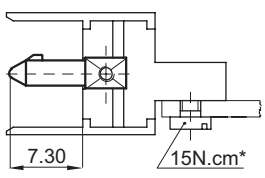
Ground female guide vertical mounting



Plug

MHD 00- __ 110

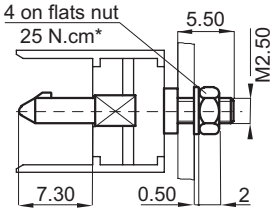
Polarised male guide transverse mounting



Mass per set: 0.55 gr.

MHD 00- __ Z111

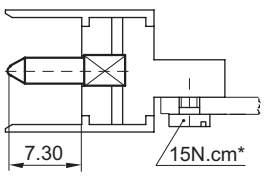
Polarised male guide vertical mounting



Mass per set: 1.35 gr.

MHD 00- __ Z125

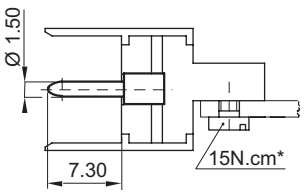
Unpolarised male guide transverse mounting



Mass per st: 0.55 gr.

MHD 00- __ Z191

Ground male contact transverse mounting



* Theoretical dimensions

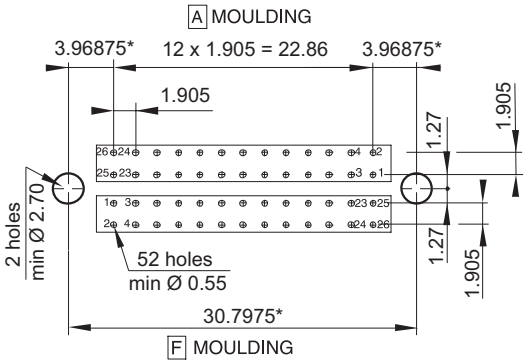
Contact Board Preparation Details

52 Contact Board Preparation Details (1)

Receptacle

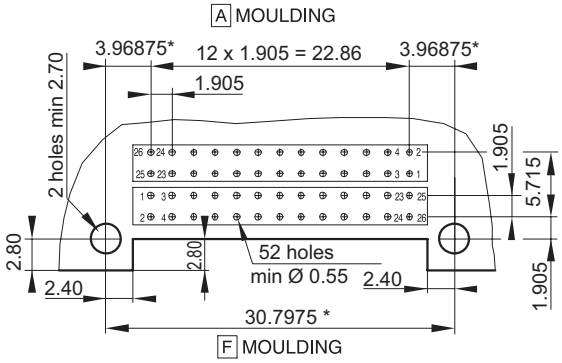
Straight Termination

Guides: 121, 122, 126, 130, 131, 190



90° Termination

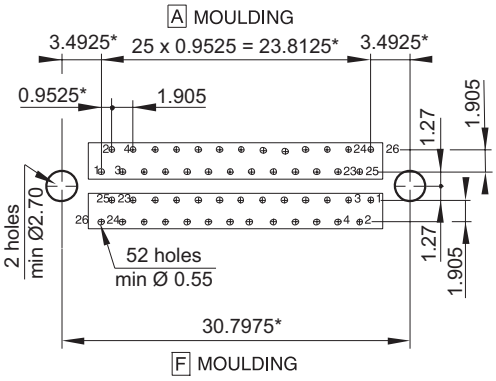
Guides: 124, 133, 134



Plug

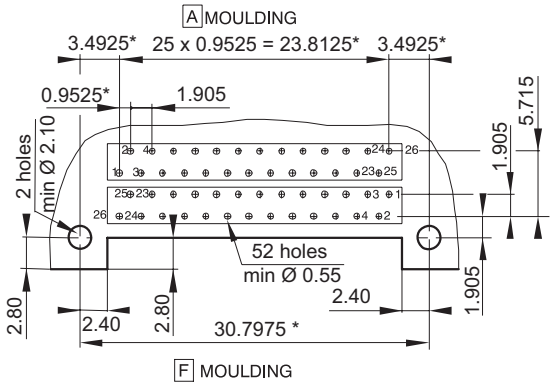
Straight Termination

Guides: 111



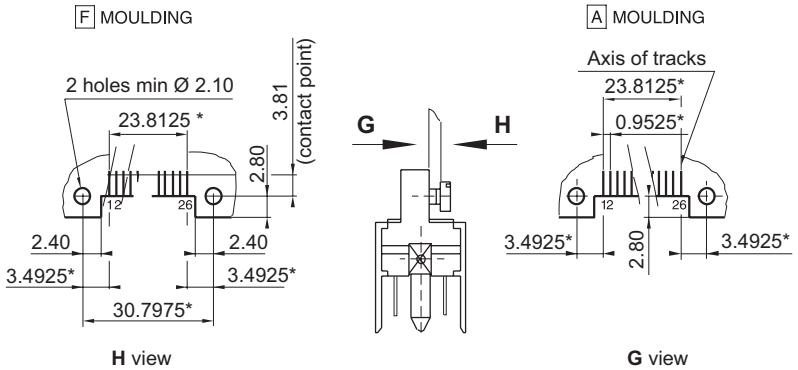
90° Termination

Guides: 110, 125, 191



Surface mount termination

Guides: 110, 125, 191



(1) Important note: See important note on 1HB preparation board details (page 17).

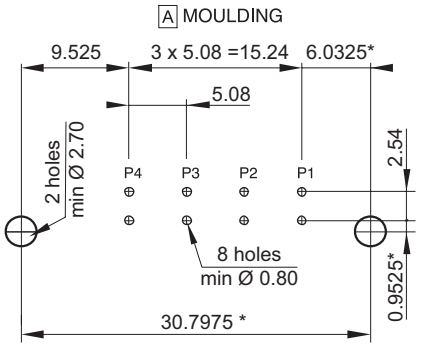
* Theoretical dimensions

5HA Contact Board Preparation Details (1)

Receptacle

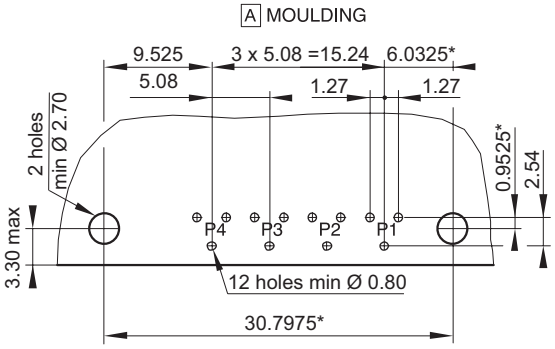
Straight Termination

Guides: 121, 122, 126, 130, 131, 190



90° Termination

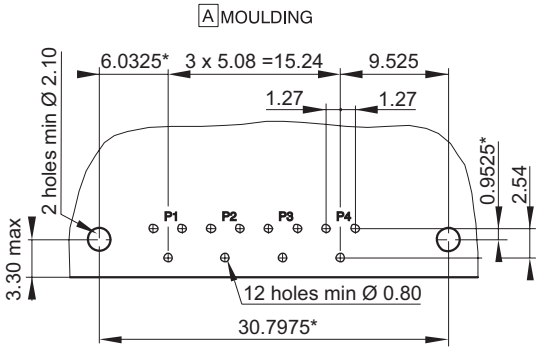
Guides: 124, 133, 134



Plug

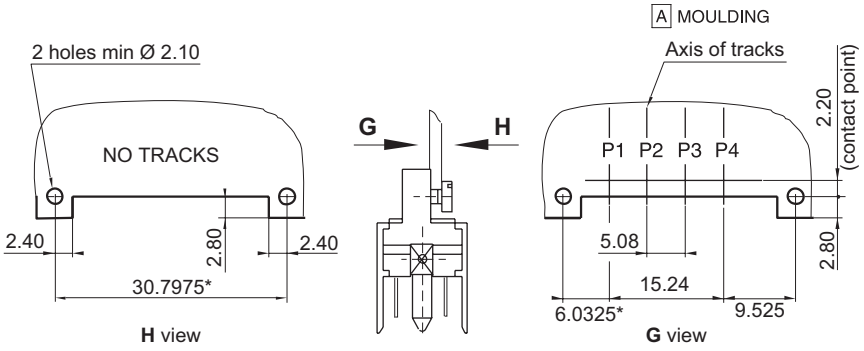
90° Termination

Guides: 110, 125, 191



Surface mount termination

Guides: 110, 125, 191



(1) **Important note**: See important note on 1HB preparation board details (page 17).

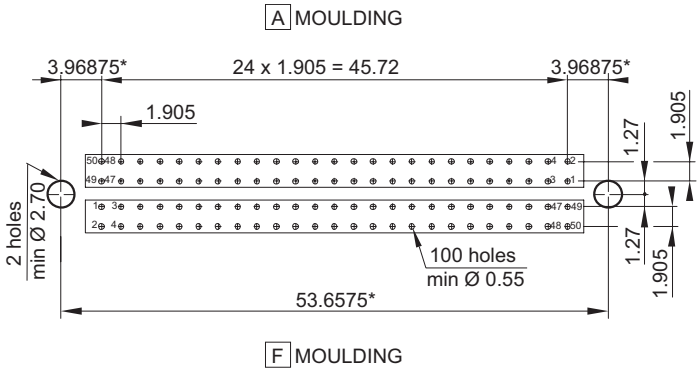
* Theoretical dimensions

100 Contact Board Preparation Details (1)

Receptacle

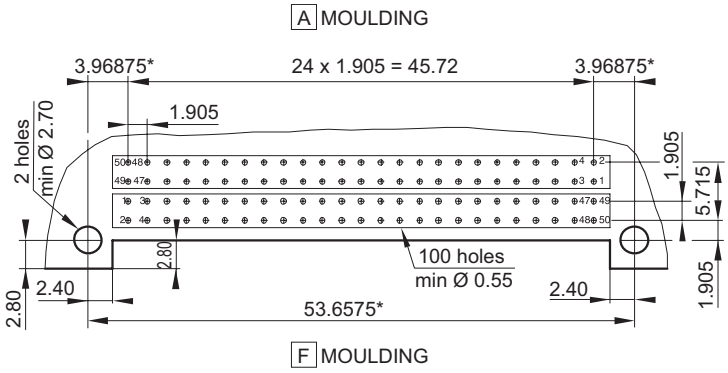
Straight termination

Guides: 121, 122, 126, 130, 131, 190



90° Termination

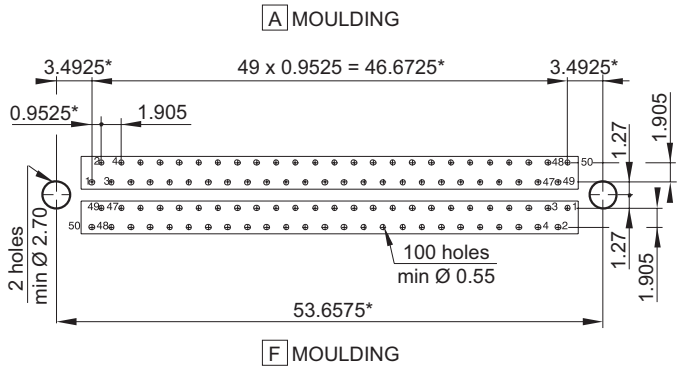
Guides: 124, 133, 134



Plug

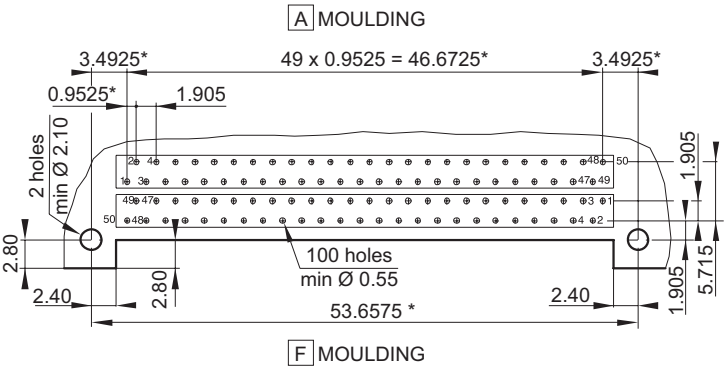
Straight termination

Guides: 111



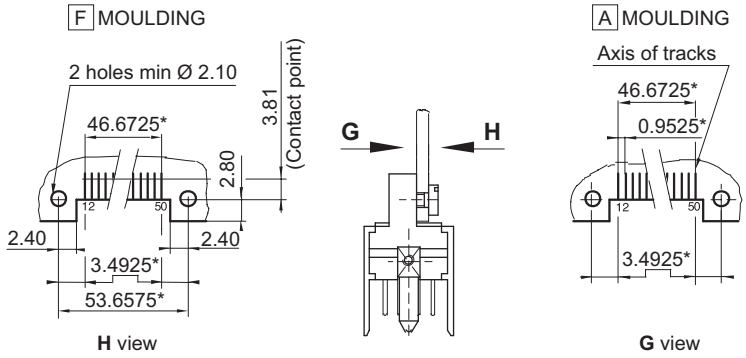
90° Termination

Guides: 110, 125, 191



Surface mount termination

Guides: 110, 125, 191



(1) Important note: See important note on 1HB preparation board details (page 17).

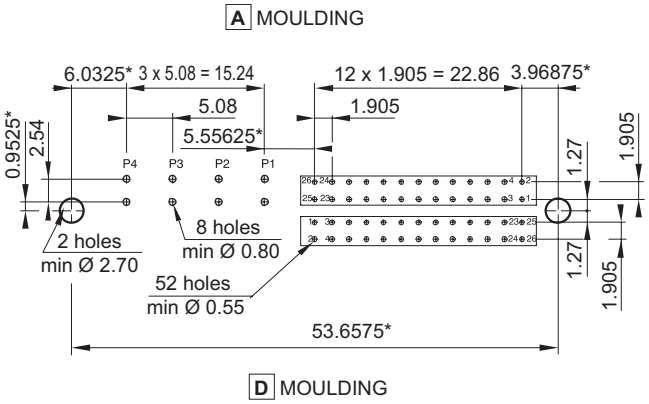
* Theoretical dimensions

1HB Contact Board Preparation Details (1)

Receptacle

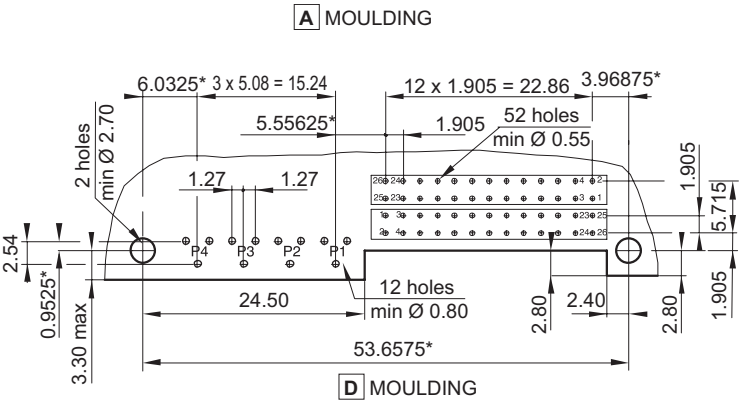
Straight termination

Guides: 121, 122, 126, 130, 131, 190



90° Termination

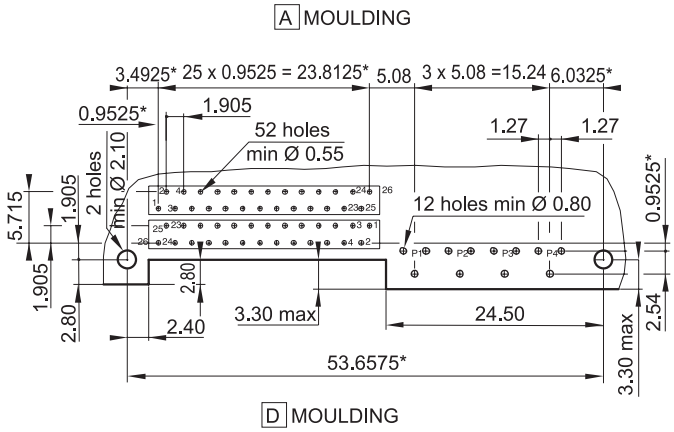
Guides: 124, 133, 134



Plug

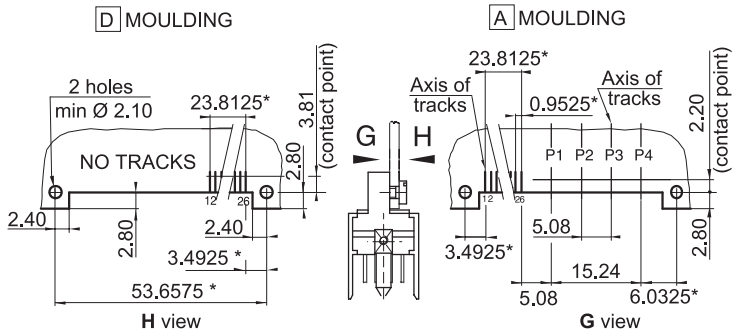
90° Termination

Guides: 110, 125, 191



Surface mount termination

Guides: 110, 125, 191

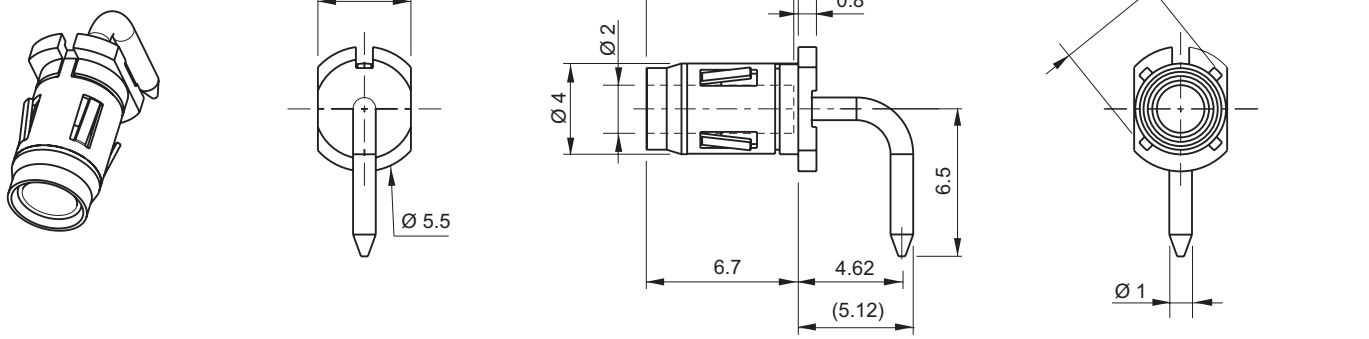


(1) Important note: Drilling layouts shown concern the following full configurations: 052, 5HA, 100, 1HB, 200. Other arrangements, shown on "MODULES CONFIGURATION" page, require a specific drilling layout to ensure the correct mounting of the chosen connector, that you must obtain from our technical department. However, the drilling layouts shown above should help you to achieve the desired configuration. For that, you may have to mix those drilling layouts to obtain the right configuration.

* Theoretical dimensions

Power & High Frequency Contacts *(NFC 93569)*

Example of Contact Overview *(020 084 2- 10 RG1)*



Power Contacts

Male	P/N
90° termination	020 085 1- 10R OG
Straight termination	020 087 1- 30R OG
Solder bucket termination	020 091 1- 40R OG

Female	P/N
90° termination	020 084 2- 10R G1
Straight termination	020 056 2- 30R G1
Solder bucket termination	020 060 2- 40R G1

High Frequency Contacts

	Male P/N	Female P/N
Vertical mounting, suitable for flexible cable Ø 1.9 max. Ref. KX 21 A (Rg 178 B/U or RG 196).	KMX 3-M 081	KMX 3-F 081
Transverse mounting, suitable for flexible cable Ø 1.9 max. Ref. KX 21 A (Rg 178 B/U or RG 196). Usable with mother board, thickness 3.2 mm max.	KMX 3-M 092	KMX 3-F 092
Vertical mounting, suitable for flexible cable Ø 2.5 max. Ref. KX 22 A (RG 316).	KMX 3-M 101	KMX 3-F 101
Transverse mounting, suitable for flexible cable Ø 2.5 max. Ref. KX 22 A (RG 316). Usable with mother board, thickness 3.2 mm max.	KMX 3-M 112	KMX 3-F 112
Vertical mounting, suitable to semi-rigid cable Ø 2.2 max. Ref. Ks 1 A (RG 405 - UT 85).	KMX 3-M 131	KMX 3-F 131
Transverse mounting, suitable to semi-rigid cable Ø 2.2 max. Ref. Ks 1 A (RG 405 - UT 85). Usable with mother board, thickness 3.2 mm max.	KMX 3-M 142	KMX 3-F 142
Straight termination tail for direct mounting on to PCB	KMX 3-M 041	KMX 3-F 041
90° termination tail for direct mounting on to PCB	KMX 3-M 032	KMX 3-F 032
SMT termination	KMX 3-M 172	KMX 3-F 172

Extraction Tools

P/N: SD- 030 00 CX 003

Technical Characteristics

Materials & Platings

Insulator	Diallyl Phtalate UL94V0
Frame	Aluminium Alloy
Contact	Copper Alloy
Guide	Brass + Ni plating or Stainless Steel
Contact plating	Ni + Au

Environmental

Temperature range	- 55° C to +125° C
Safety of contact from extraction	Statical 2 mm / 0.079" Dynamical 1.80 mm / 0.071"
Mating cycles	5000
Withdrawal forces	≤ 0.5 N
Special contacts	According to NFC 93569

Electrical

Contact resistance	Signal ≤ 12 mΩ
Current rating	Signal 3 A
Insulation	$>10^4$ MΩ
Voltage rating	200 V
Proof voltage	800 V
Contact diameter	Signal 0.50 mm

How To Order

MDD				
1	2	3	4	5

1 Series		
2 Arrangement	100	200
3 Part - Polarity Plating	15 Male plug - MIL plating	24 Female receptacle - MIL plating
	19 Male plug - MIL tinned plating	28 Female receptacle - MIL tinned plating
4 Termination Styles	10 90° termination, PCB thickness 1.60	11 90° termination, PCB thickness 2.40
	30 Straight termination, PCB thickness 2.40	31 Straight termination, PCB thickness 3.20
	44 SMT* - Uncentered PCB thickness 3.80	96 Straight termination, PCB thickness 4.50
5 Guide Styles	110 Male polarised, transverse mount, standard plug	111 Male polarised, vertical mount
	121 Female polarised, vertical mount	122 Female polarised, vertical mount
	124 Female polarised, transverse mount	125 Male unpolarised, transverse mount
	126 Female unpolarised, vertical mount	130 Female all polarised, vertical mount
	131 Female all polarised, vertical mount	133 Female all polarised, transverse mount
	134 Female polarised, transverse mount	190 Female power or mass contact, vertical mount
	191 Male power or mass contact, transverse mount	201 ¼ turn, free connector

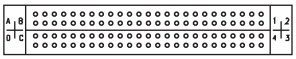
* Surface Mount Termination
PCB thickness is in mm

Modules Configuration

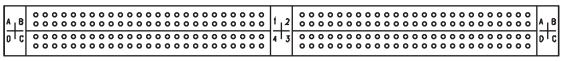
Receptacle - Mating Side Views

Single arrangements

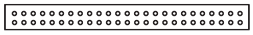
100



200



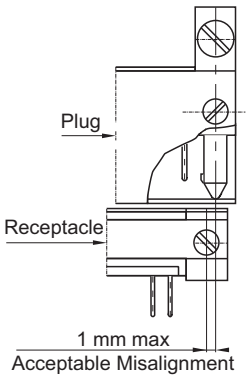
50 ways module



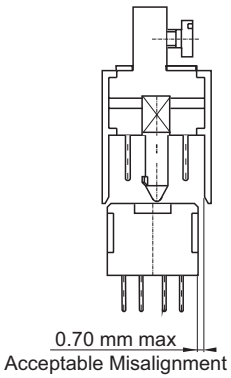
Standard Plugging Stages

Misalignment

Longitudinal

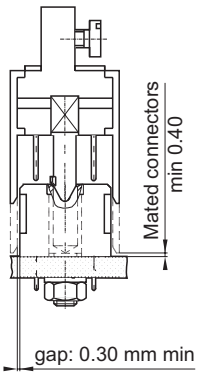


Lateral



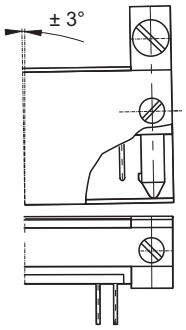
Gap

Lateral

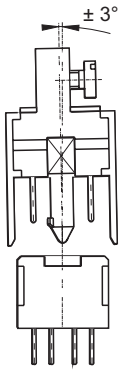


Tilting

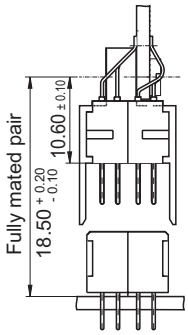
Longitudinal

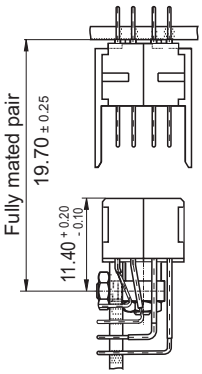


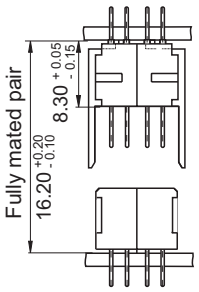
Lateral

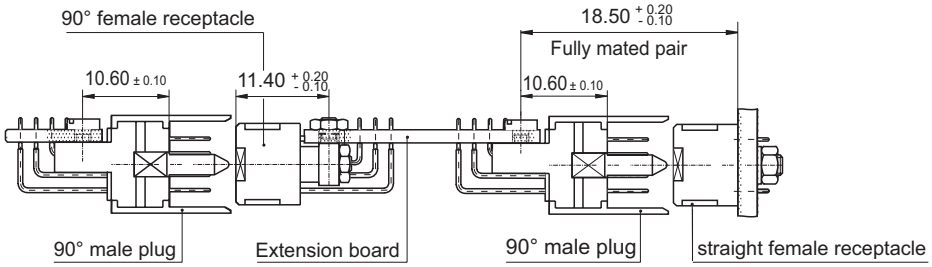


Mounting Examples









Displacement

Max displacement allowed while plugging in the receptacle: 0.15 mm in all plugged in connector ways.

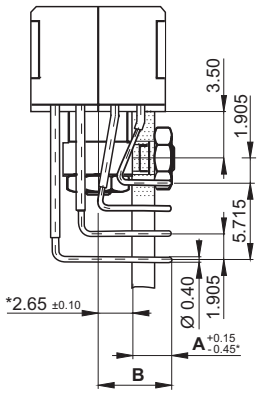
Termination Styles

Receptacle

Through board solder - 90°

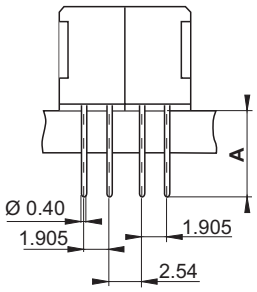
Ref: 10
PCB: 1.44 - 1.76
A = 3.25 $^{+0.15}$
B = 6 max$^{0.45}$

Ref: 11
PCB: 1.98 - 2.42
A = 3.85 $^{*\ 0.15}_{-\ 0.45}$
B = 6.60 max



* Unbuild-up of tolerances

Through board solder - Straight



Ref: 30
PCB: 2.16 - 2.64
A = 3.50 min
4.00 max

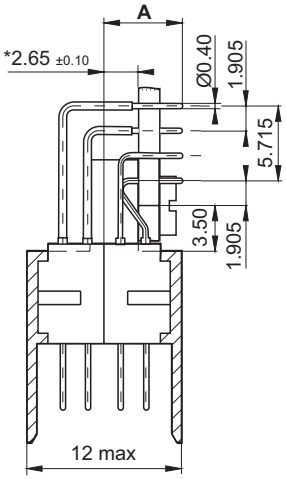
Ref: 31
PCB: 2.88 - 5.50
A = 6.10 min
6.60 max

Ref: 96
PCB: 3.42 - 4.18
A = 4.70 min
5.10 max

Plug

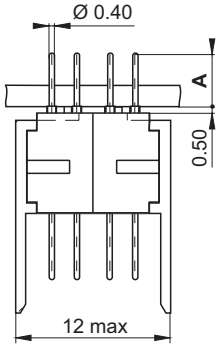
Through board solder - 90°

Ref: 10
PCB: 1.44 - 1.76
A = 5.95 max



* Unbuild-up of tolerances

Through board solder - Straight

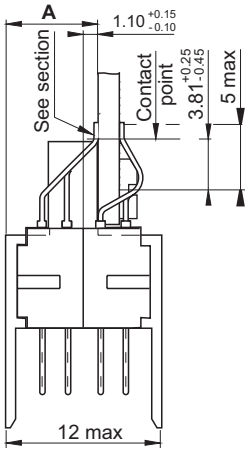


Ref: 30
PCB: 2.16 - 2.64
A = 3.50 min
4.00 max

Ref: 31
PCB: 2.88 - 3.52
A = 4.60 min
5.10 max

Surface Mount (uncentered PCB)

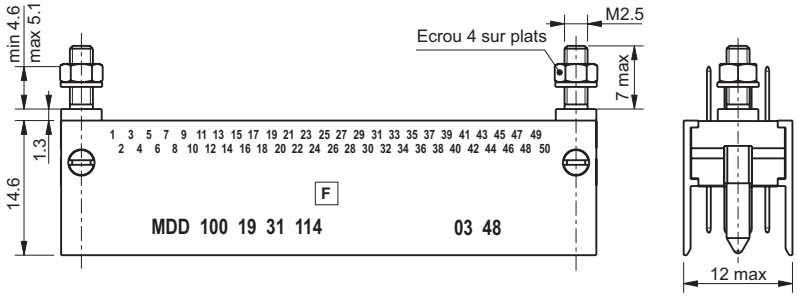
Ref: 44
PCB: 3.60 - 4.00
A = 4.40 max



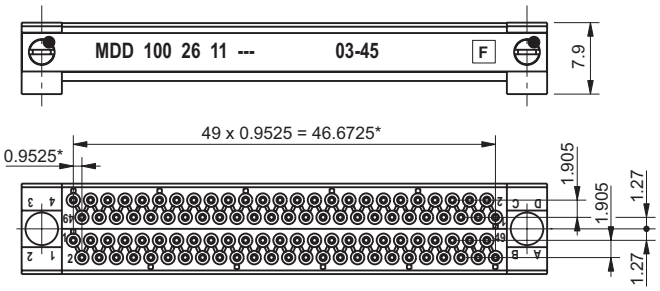
Connector Dimensions

100 Contacts

Plug

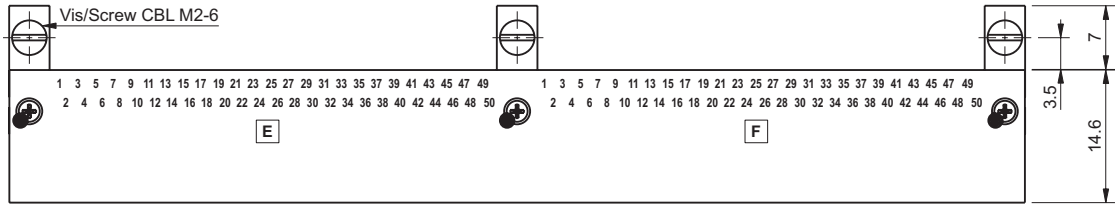


Receptacle

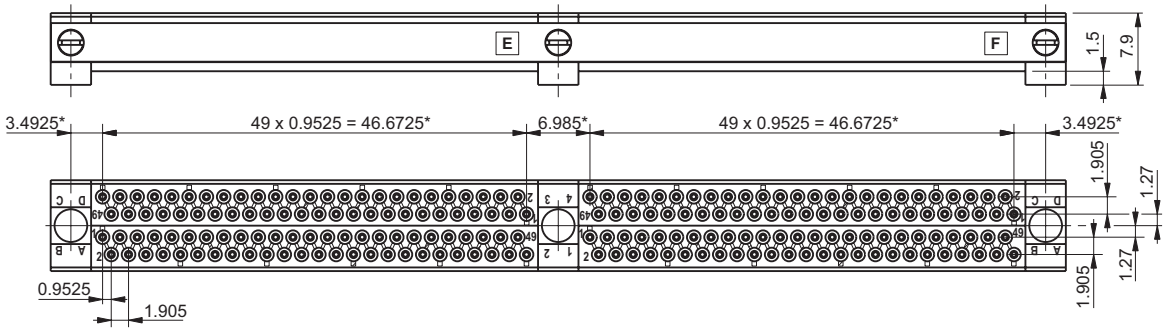


200 Contacts

Plug



Receptacle



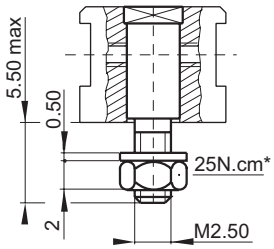
* Theoretical dimensions

Guiding Devices

Receptacle

MHD 00- __ 121

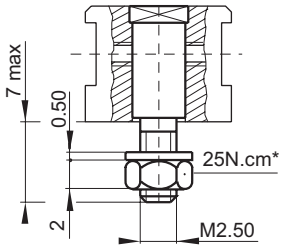
Polarised female guide vertical mounting (Length: 5.50)



Mass per set: 0.65 gr.

MHD 00- __ Z122

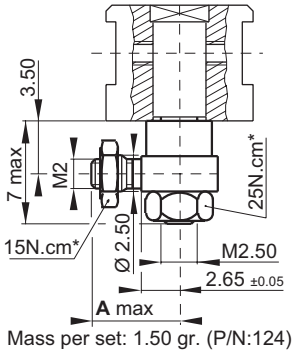
Polarised female guide vertical mounting (Length: 7)



Mass per set: 0.65 gr.

MHD 00- __ Z124 / Z134

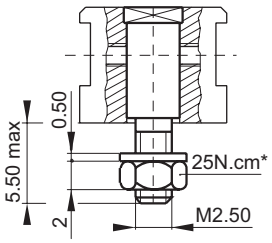
Polarised female guide transverse mounting P/N 124: A=6; 134: A=6.60



Mass per set: 1.50 gr. (P/N:124)

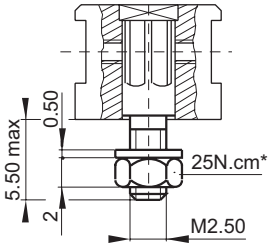
MHD 00- __ Z126

Unpolarised female guide vertical mounting



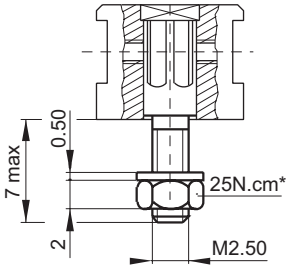
MHD 00- __ Z130

All polarity female guide vertical mounting (Length: 5.50)



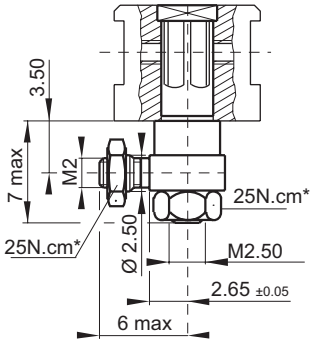
MHD 00- __ Z131

All polarity female guide vertical mounting (Length: 7)



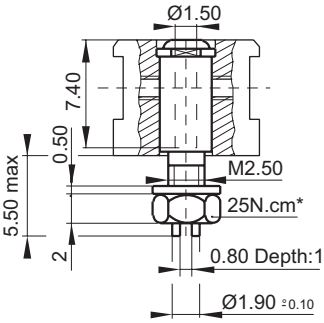
MHD 00- __ Z133

All polarity female guide transverse mounting



MHD 00- __ Z190

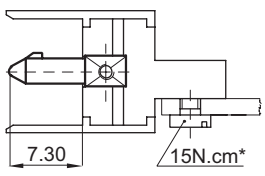
Ground female guide vertical mounting



Plug

MHD 00- __ 110

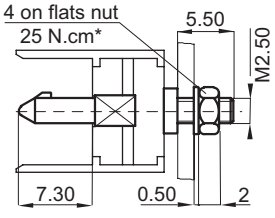
Polarised male guide transverse mounting



Mass per set: 0.55 gr.

MHD 00- __ Z111

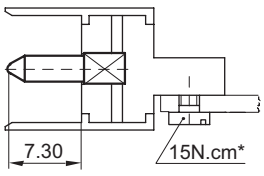
Polarised male guide vertical mounting



Mass per set: 1.35 gr.

MHD 00- __ Z125

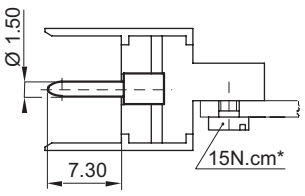
Unpolarised male guide transverse mounting



Mass per st: 0.55 gr.

MHD 00- __ Z191

Ground male contact transverse mounting



* Theoretical dimensions

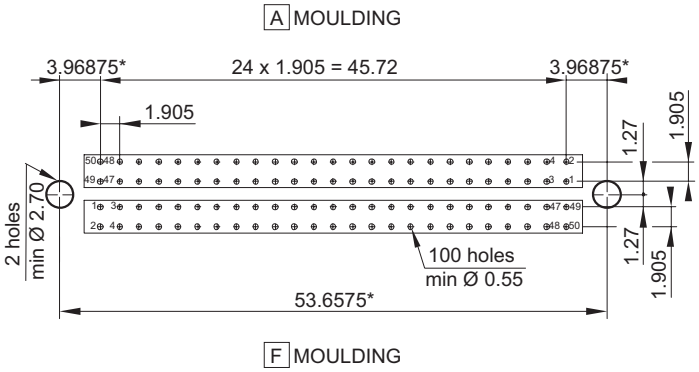
Contact Board Preparation Details

100 Contact Board Preparation Details (1)

Receptacle

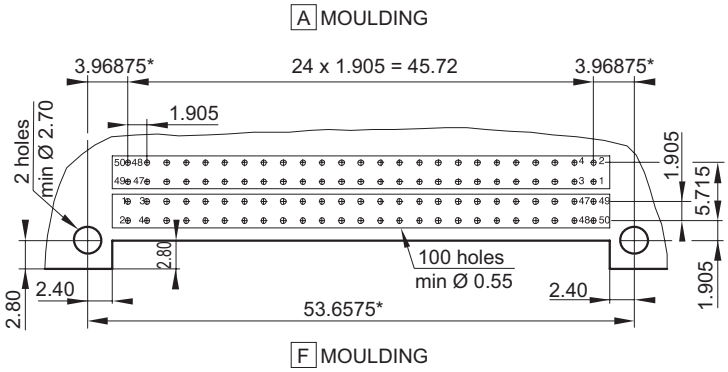
Straight termination

Guides: 121, 122, 126, 130, 131, 190



90° Termination

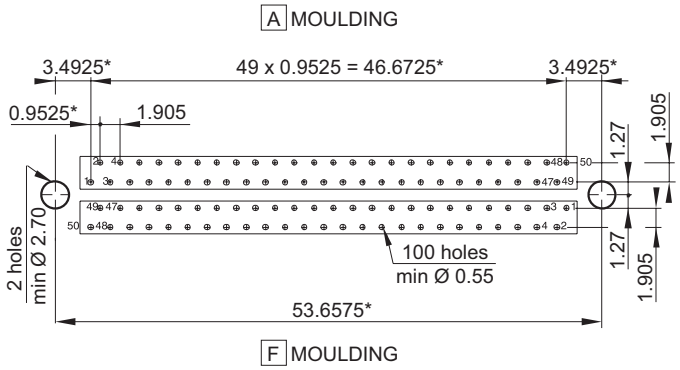
Guides: 124, 133, 134



Plug

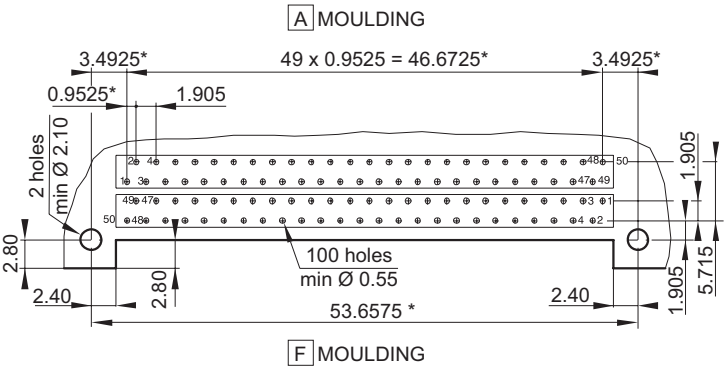
Straight termination

Guides: 111



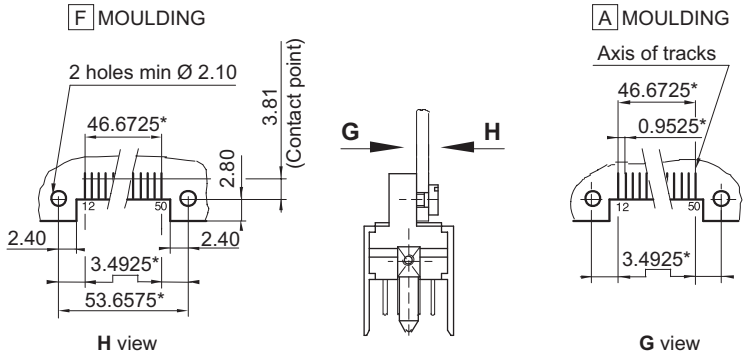
90° Termination

Guides: 110, 125, 191



Surface mount termination

Guides: 110, 125, 191



(1) Important note: See important note on 1HB preparation board details (page 17).

* Theoretical dimensions

Technical Characteristics

Materials & Platings

Insulator	LCP Thermoplastic
Contact	Copper Alloy
Guide	Brass + Ni plating or Stainless Steel
Contact plating	Ni + Au

Environmental

Temperature range	- 55° C to +125° C
Safety of contact from extraction	Statical 2 mm / 0.079" Dynamical 1.80 mm / 0.071"
Mating cycles	5000
Withdrawal forces	≤ 0.5 N
Special contacts	According to NFC 93569

Electrical

Contact resistance	Signal ≤ 12 mΩ
Current rating	Signal 3 A
Insulation	$>10^4$ MΩ
Voltage rating	200 V
Proof voltage	800 V
Contact diameter	Signal 0.50 mm

How To Order

MDP				
1	2	3	4	5

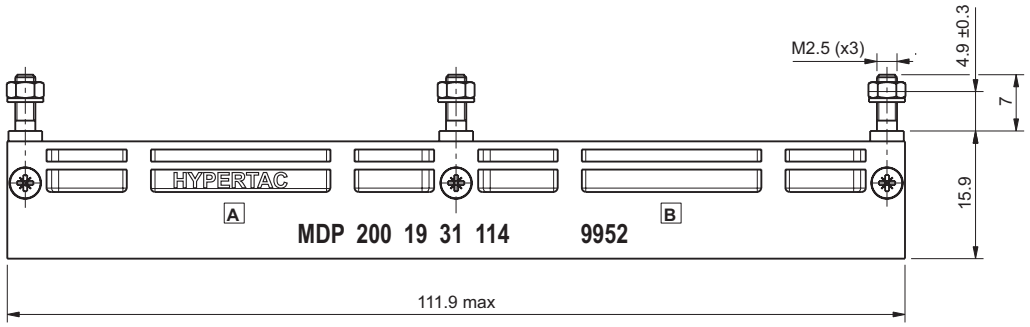
1 Series		
2 Arrangement	200	
3 Part - Polarity Plating	19 Male plug - MIL tinned plating	28 Female receptacle - MIL tinned plating
4 Termination Styles	10 90° termination, PCB thickness 1.60 31 Straight termination, PCB thickness 3.20	44 SMT* - Uncentered PCB thickness 3.80 96 Straight termination, PCB thickness 4.50
5 Guide Styles	114 Male unpolarised, vertical mount 125 Male unpolarised, transverse mount	122 Female polarised, vertical mount 134 Female polarised, transverse mount

* Surface Mount Termination
PCB thickness is in mm

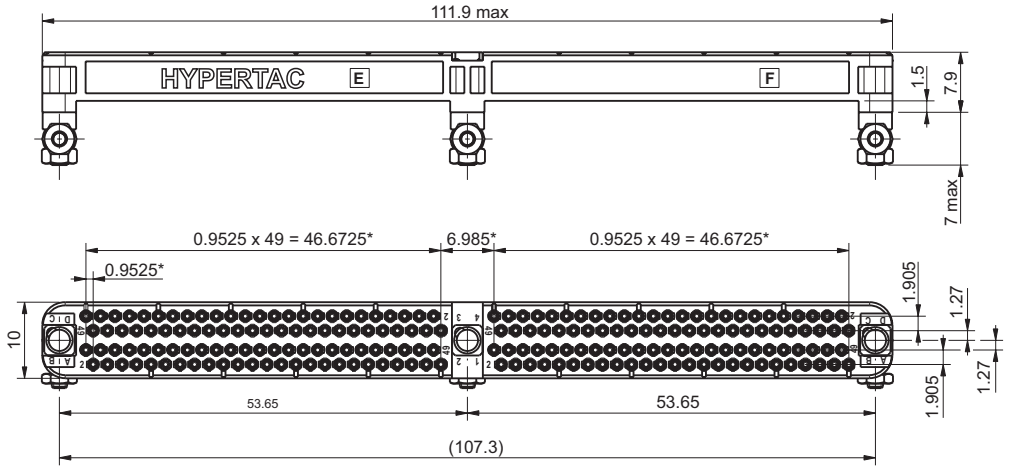
Connector Dimensions

200 Contacts

Plug



Receptacle



* Theoretical dimensions

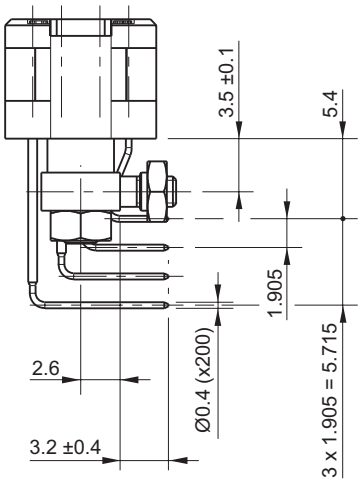
Guide and Termination Styles

Receptacle

Through board solder - 90°

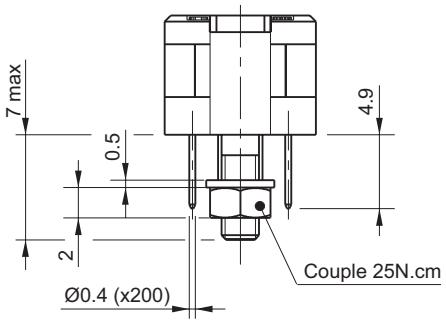
Guide: 134

Ref: 10
PCB: 1.44 - 1.76



Through board solder - Straight

Guide: 122



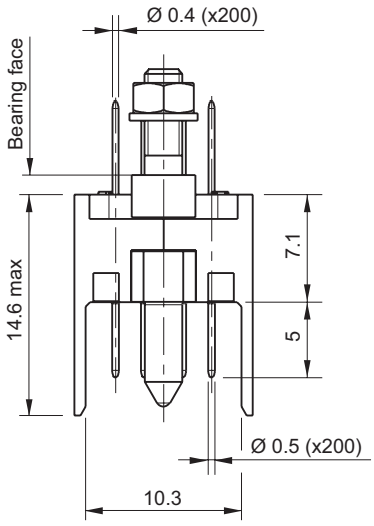
Ref: 96
PCB: 3.42 - 4.18

Plug

Through board solder - Straight

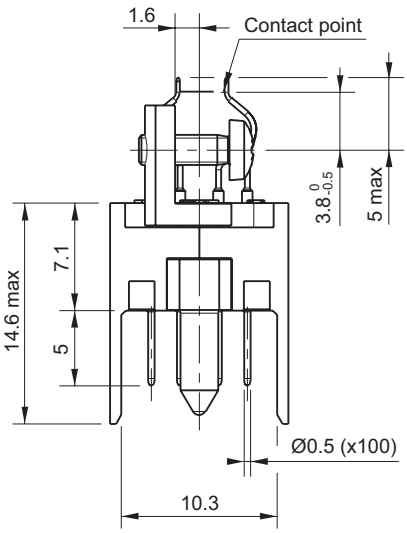
Guide: 114

Ref: 44
PCB: 3.60 - 4.00



Surface mount (uncentered PCB)

Guide: 125



Ref: 81
PCB: 2.88 - 3.52

Note: for other guide styles requested, please contact technical support.

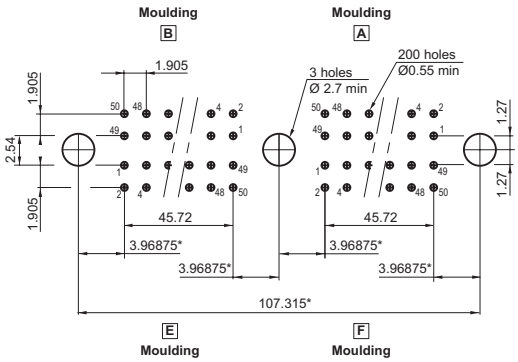
Contact Board Preparation Details

200 Contact Board Preparation Details

Receptacle

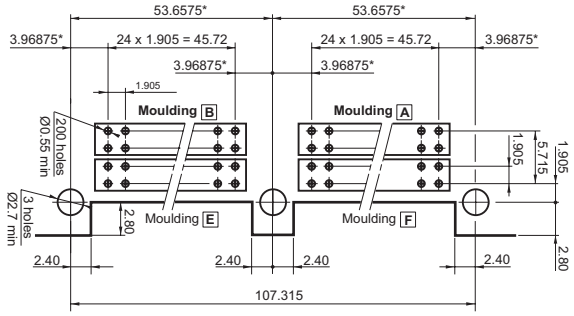
Straight termination

Guide: 122



90° Termination

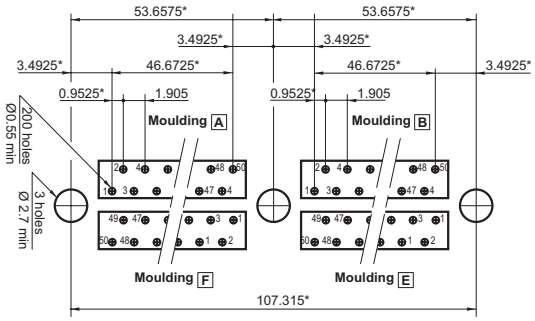
Guide: 134



Plug

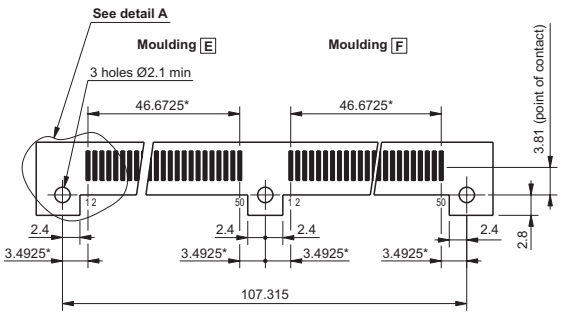
Straight termination

Guide: 114

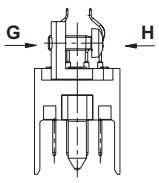


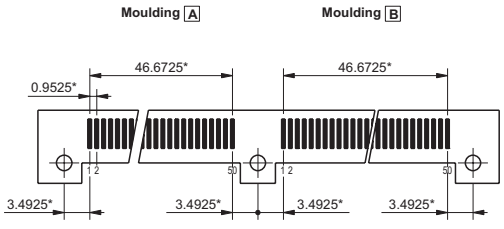
Surface mount termination

Guide: 125



H view





G view

* Theoretical dimensions

Disclaimer 2018

All of the information included in this catalogue is believed to be accurate at the time of printing. It is recommended, however, that users should independently evaluate the suitability of each product for their intended application and be sure that each product is properly installed, used and maintained to achieve desired results.
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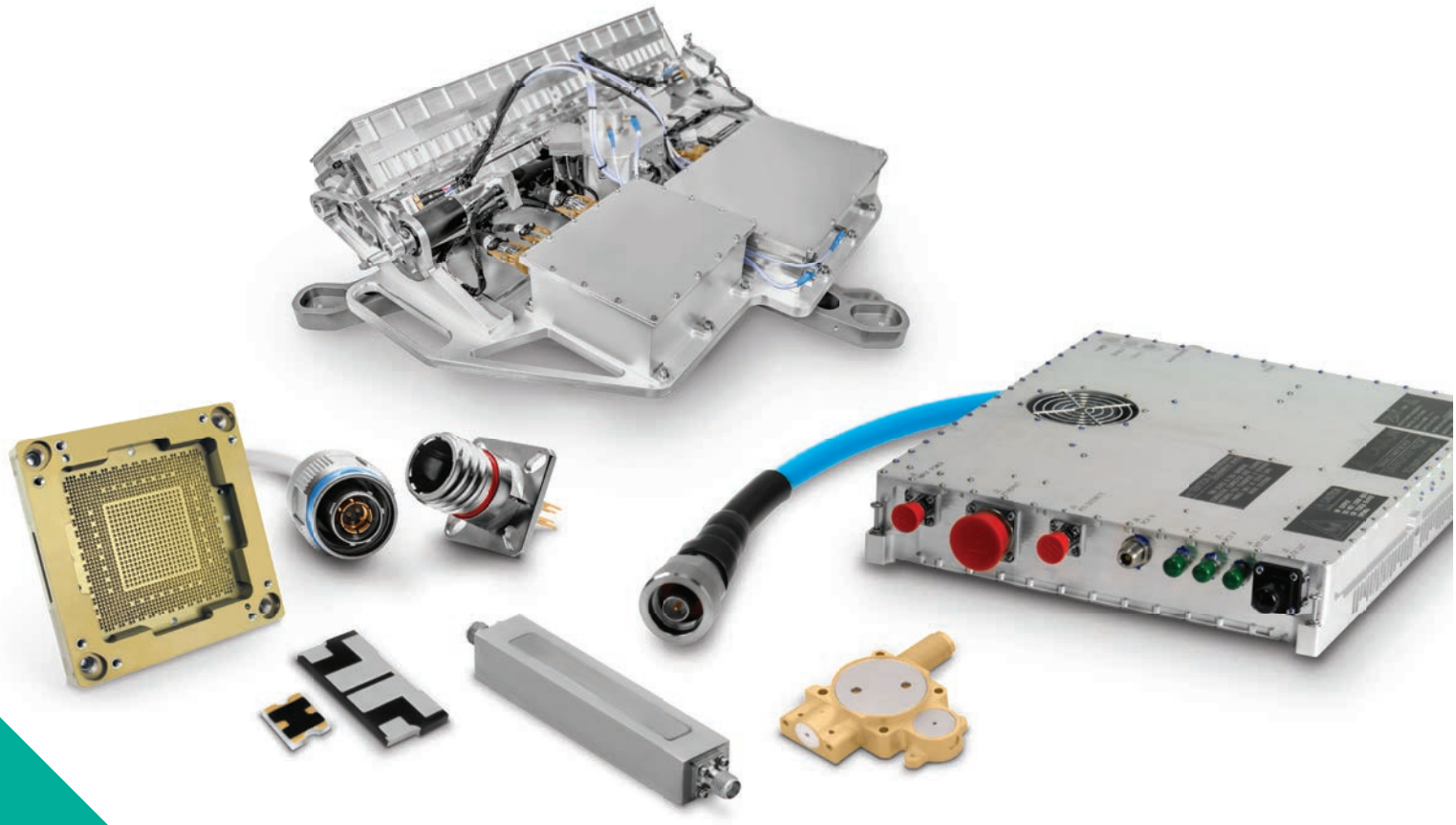
Smiths Interconnect reserves the right to modify design and specifications, in order to improve quality, keep pace with technological development or meet specific production requirements.

Product Portfolio



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    - Connector Solutions
      - Ferrite Components & Assemblies
        - RF Filter Components & Assemblies
          - Integrated Microwave Assemblies
            - Millimeter-Wave Solutions
              - RF Components
                - Test Sockets and WLCSP Probe Heads
                  - Time & Frequency Systems

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