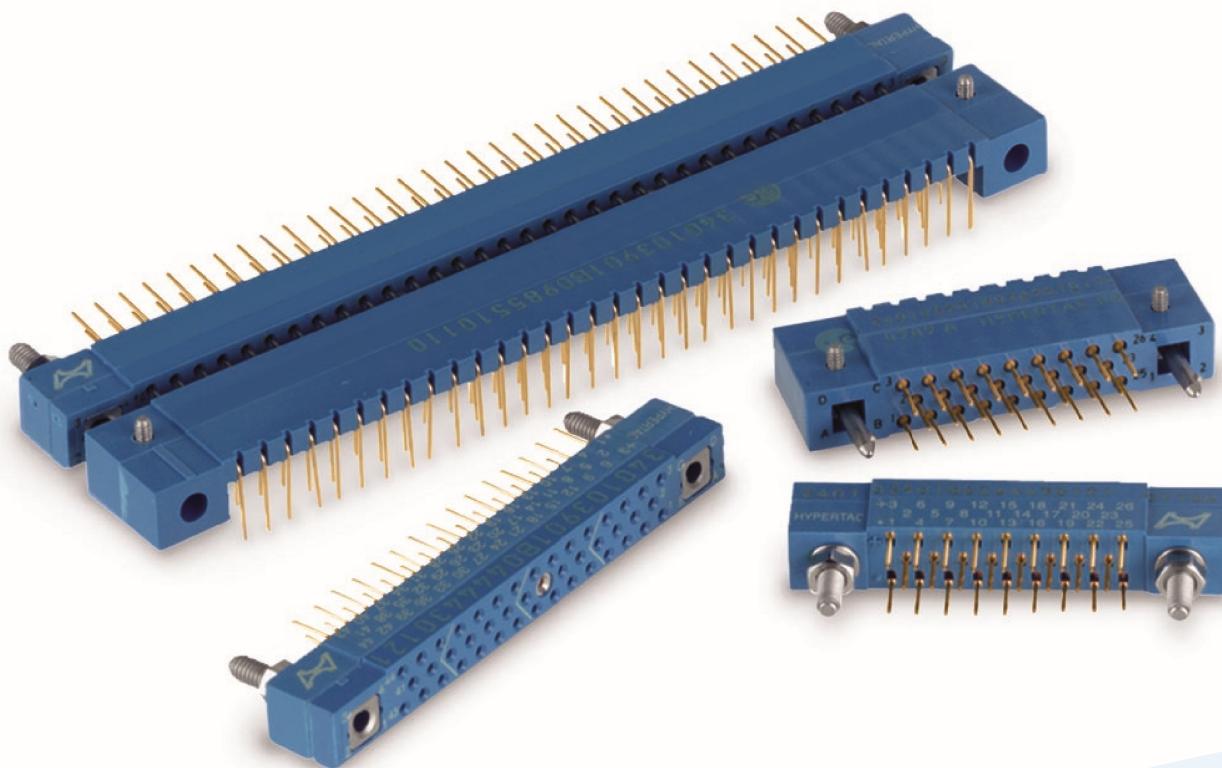


**smiths connectors**

# KMC SERIES

*High Density PCB Connectors*



HYPERTAC



iDi  
INTERCONNECT  
DEVICES



SABRITEC

# TECHNICAL CHARACTERISTICS

|                   |   |
|-------------------|---|
| Contact diameter  | HYPERTAC® type Ø 0.50 mm rear removable                     |
| Number of contact | Up to 162   |
| Pitch             | 1.905mm between rows<br>1.27mm between quincuncial contacts |
| Rows              | 3   |

## MATERIALS & PLATINGS

|          |  |
|----------|--|
| Contact  | Brass or bronze                        |
| Moulding | Glass fiber filled diallyl - Phtalate  |
| Guides   | Stainless steel or nickel plated brass |

|              | Standard   | ESA                             |
|--------------|--|---------------------------------|
| Pin body     | 0.25 µm Gold / 1.27 µm Ni  | 1.27 µm Gold / 1.27 µm Ni (min) |
| Socket body  | 0.25 µm Gold / 1.27 µm Ni on activ area 1.27 µm Ni on non activ area | 0.25 µm Gold / 1.27 µm Ni (min) |
| Socket wires | 1 µm Gold / 0.20 µm Ni   | 1.27 µm Gold / 0.20 µm Ni (min) |

## ELECTRICAL

|                                |                                |
|--------------------------------|--------------------------------|
| Current rating (at 25°C)       | 3 A max                        |
| Dielectric withstandin voltage | 800 Vrms                       |
| Contact resistance             | ≤ 8 mΩ                         |
| Insulation resistance          | > 10 <sup>4</sup> mΩ (500 Vcc) |

## MECHANICAL

|                         |   |
|-------------------------|---|
| Mating & unmating cycle | 5000  |
| Guiding                 | By two outside guides (2 guiding styles) and one central guide (3 guidind styles) |
| Keying                  | By rotating of outside polarised guides (up to 16 keying)                         |

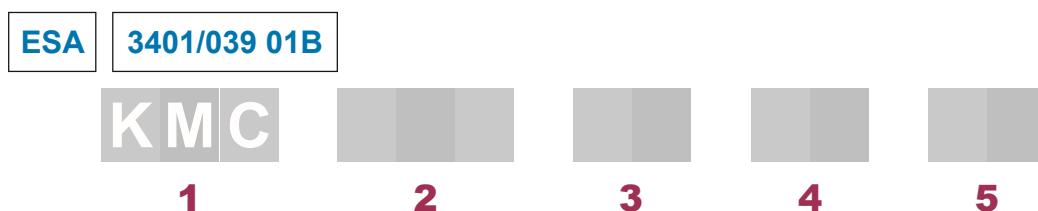
## ENVIRONMENTAL

|                   |                                      |
|-------------------|--------------------------------------|
| Temperature range | -55° C + 125° C                      |
| Conformity        | ESA/ESCC 3401/039, NF C-UTE C 93-424 |

Dimension are in mm

# HOW TO ORDER

## HYPERTAC & ESA CORRESPONDANCE TABLE



### 1 ▶ SERIES

### 2 ▶ NUMBER OF CONTACTS

0 2 6   0 4 4   0 6 2   0 8 0   0 9 8   1 4 4   1 6 2

### 3 ▶ MOULDING POLARITY

NF C-UTE C 93-424   ESA/ESCC 3401/03901B   SPACE GRADE

|           |           |           |                     |           |           |           |                      |           |   |           |                            |
|-----------|-----------|-----------|---------------------|-----------|-----------|-----------|----------------------|-----------|---|-----------|----------------------------|
| <b>12</b> | -         | <b>54</b> | Female plug         | <b>1A</b> | -         | -         | Tinned female plug** | <b>26</b> | - | <b>46</b> | Tinned female receptacle*  |
| <b>13</b> | <b>55</b> | <b>55</b> | Male plug           | <b>1B</b> | -         | -         | Tinned male plug**   | <b>27</b> | - | <b>47</b> | Tinned male receptacle*    |
| <b>16</b> | -         | <b>56</b> | Tinned female plug* | <b>22</b> | <b>44</b> | <b>44</b> | Female receptacle    | <b>2A</b> | - | -         | Tinned female receptacle** |
| <b>17</b> | -         | <b>57</b> | Tinned male plug*   | <b>23</b> | -         | <b>45</b> | Male receptacle      | <b>2B</b> | - | -         | Tinned male receptacle**   |

### 4 ▶ TERMINATION STYLES

|           |                                  |            |   |            |                               |
|-----------|----------------------------------|------------|---|------------|-------------------------------|
| <b>10</b> | 90° length 3 mm ("A" moulding)   | <b>3 0</b> | Through board solder - straight - length 4.5 mm | <b>5 1</b> | Wire wrap (3 wrapping levels) |
| <b>10</b> | 90° length 3 mm ("B" moulding)   | <b>3 1</b> | Through board solder - straight - length 5.6 mm | <b>9 0</b> | Male - male                   |
| <b>11</b> | 90° length 4 mm ("A" moulding)   | <b>4 0</b> | Solder bucket                                   | <b>9 1</b> | Female - male                 |
| <b>13</b> | 90° length 5.5 mm ("B" moulding) | <b>5 0</b> | Wire wrap (2 wrapping levels)                   |            |                               |

### 5 ▶ MOUNTING HARDWARE

#### GUIDE STYLES (consult us for special guides)

|            |   |            |   |            |   |
|------------|---|------------|---|------------|---|
| <b>110</b> | Male polarised, transverse mount <sup>(1)</sup>   | <b>127</b> | Male unpolarised, vertical mount <sup>(2)</sup>     | <b>156</b> | Male unpolarised, transverse mount <sup>(2)</sup>           |
| <b>111</b> | Male polarised, vertical mount <sup>(2)</sup>     | <b>128</b> | Male unpolarised, float mount <sup>(2)</sup>        | <b>173</b> | Female unpolarised, transverse mount <sup>(1)</sup>         |
| <b>112</b> | Male polarised, vertical mount <sup>(2)</sup>     | <b>130</b> | Female unpolarised, vertical mount <sup>(2)</sup>   | <b>174</b> | Female polarised, transverse mount <sup>(1)</sup>           |
| <b>113</b> | Male polarised, float mount <sup>(2)</sup>        | <b>133</b> | Female unpolarised, transverse mount <sup>(2)</sup> | <b>190</b> | Female power or mass contact, vertical mount <sup>(2)</sup> |
| <b>121</b> | Female polarised, vertical mount <sup>(2)</sup>   | <b>143</b> | Female polarised, vertical mount <sup>(2)</sup>     | <b>191</b> | Male power or mass contact, transverse mount <sup>(1)</sup> |
| <b>123</b> | Female polarised, float mount <sup>(2)</sup>      | <b>153</b> | Female unpolarised, transverse mount <sup>(2)</sup> | <b>703</b> | Female - male unpolarised guide <sup>(2)</sup>              |
| <b>124</b> | Female polarised, transverse mount <sup>(2)</sup> | <b>154</b> | Female polarised, transverse mount <sup>(2)</sup>   |            |   |
| <b>125</b> | Male unpolarised, transverse mount <sup>(1)</sup> | <b>155</b> | Male unpolarised, transverse mount <sup>(2)</sup>   |            |   |

#### LOCKING STYLES

| FEMALE  | MALE  |
|---|---|
| <b>202</b> Jackscrew, vertical mount <sup>(2)</sup>   | <b>201</b> Jackscrew, free connector <sup>(2)</sup>   |
| <b>203</b> Jackscrew, transverse mount <sup>(1)</sup> | <b>205</b> Jackscrew, transverse mount <sup>(1)</sup> |
| <b>204</b> Jackscrew, transverse mount <sup>(2)</sup> | <b>206</b> Jackscrew, free connector <sup>(2)</sup>   |
| <b>207</b> Jackscrew, vertical mount <sup>(2)</sup>   |   |

<sup>(1)</sup> Moulding A - <sup>(2)</sup> Moulding B

\* For 90° & straight terminations (*splicing on PCB*)

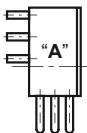
\*\* RoHS conform for 90° & straight terminations (*splicing on PCB*)



## ► MOULDING STYLES

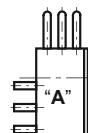
### PLUG

#### ONE PART (moulding A)



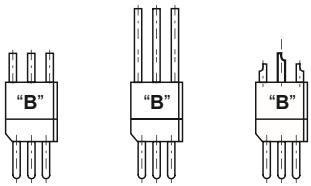
**Fitted with male contacts**  
▶ 90° through board solder

### RECEPTACLE

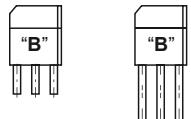


**Fitted with male contacts**  
▶ 90° through board solder  
(same design as the "A" plug type but printed as receptacle)

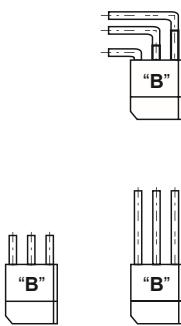
#### TWO PARTS (moulding B)



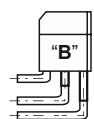
**Fitted with male contacts (pins)**  
▶ Straight through board solder  
▶ Wire wrap type (2 and 3 wrapping levels)  
▶ Solder bucket



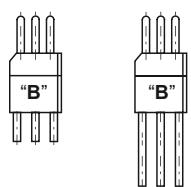
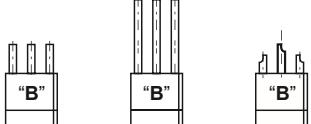
**Fitted with female contacts**  
▶ Straight through board solder  
▶ Wire wrap type (2 and 3 wrapping levels)  
▶ Solder bucket  
(same design as the "B" plug type but printed as receptacle)



**Fitted with female contacts (sockets)**  
▶ 90° through board solder  
*Note: the spacing of the rows for board preparation is different to the spacing of the plug fitted with the 90° termination*  
▶ Straight through board solder  
▶ Wire wrap type (2 and 3 wrapping levels)  
▶ Solder bucket



**Fitted with female contacts (sockets)**  
▶ 90° through board solder  
*Note: the spacing of the rows for board preparation is different to the spacing of the plug fitted with the 90° termination*

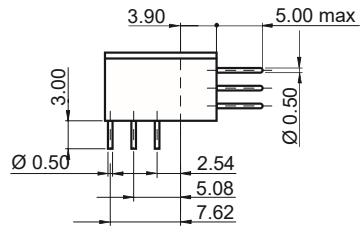


**Fitted with male contacts (pins)**  
▶ Straight through board solder  
▶ Wire wrap type (2 and 3 wrapping levels)  
▶ Solder bucket  
(same design as the "B" plug type but printed as receptacle)

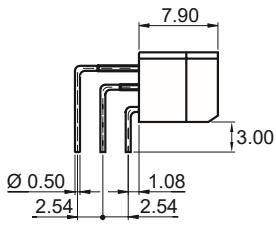
## CONTACT TERMINATIONS

### PLUG

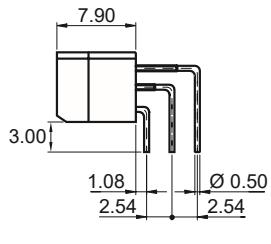
#### MALE



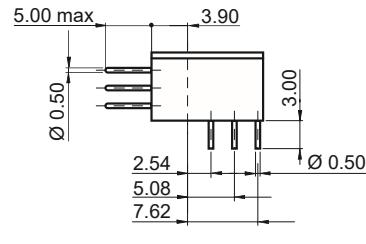
#### FEMALE



#### FEMALE

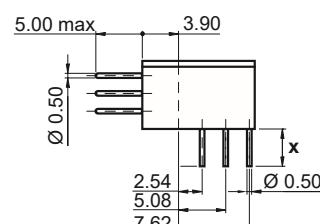
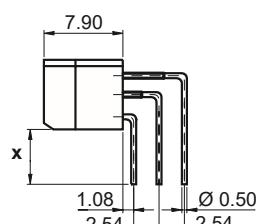
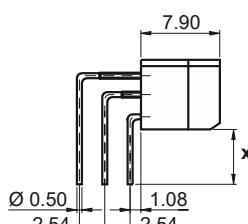
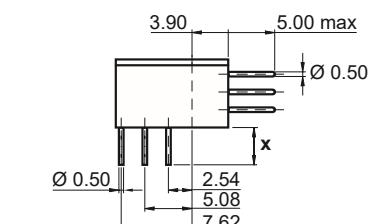


#### MALE



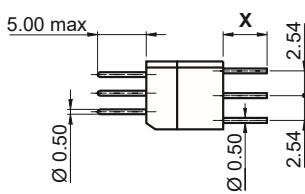
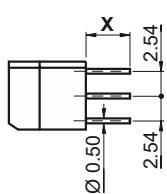
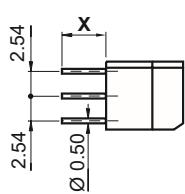
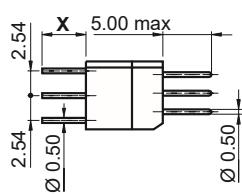
### 90° THROUGH BOARD SOLDER

Ref: 10 Ref: 10 (only A Moulding)



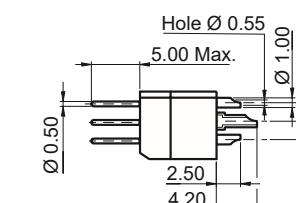
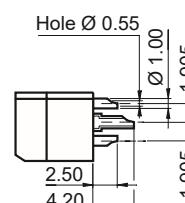
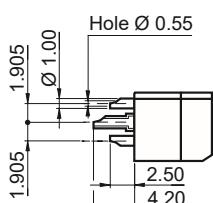
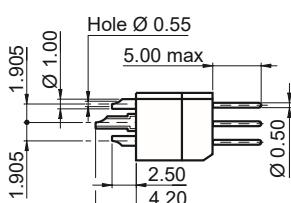
### 90° THROUGH BOARD SOLDER

Moulding A Ref: 11 (X=4.00) Moulding B Ref: 13 (X=5.50)



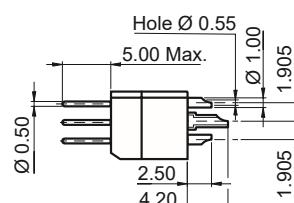
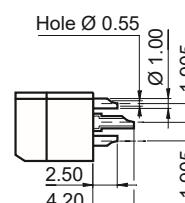
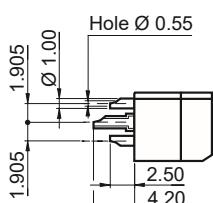
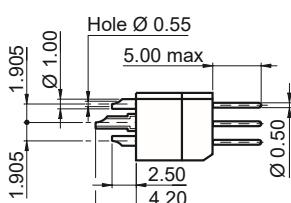
### STRAIGHT THROUGH BOARD SOLDER

Ref: 30 (X=4.50) Ref: 30 Ref: 31 (X=5.60) Ref: 31



### SOLDER BUCKET (AWG 26 max)

Ref: 40 Ref: 40

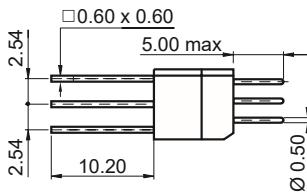


Note: moulding A and B need different preparation board details for 90° tail termination.

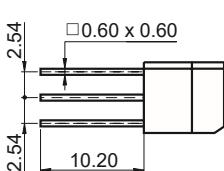
## CONTACT TERMINATIONS

### PLUG

**MALE**

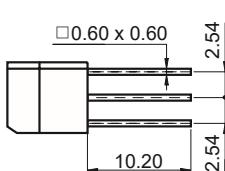


**FEMALE**

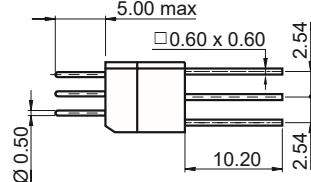


### RECEPTACLE

**FEMALE**

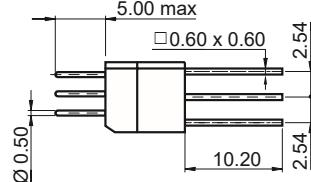
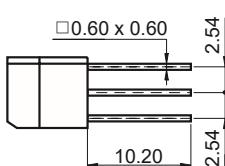
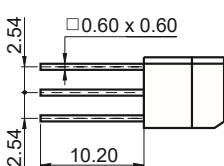
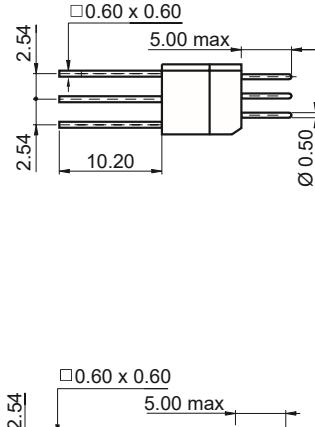


**MALE**



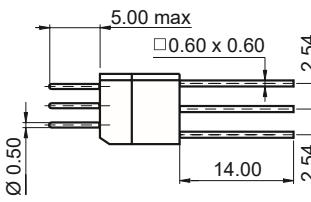
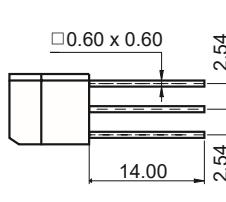
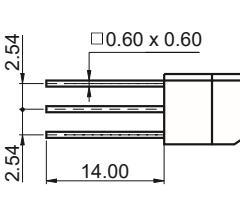
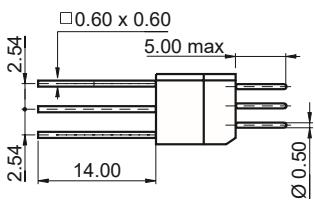
### WIRE WRAP (2 wrapping levels)

Ref: 50 Ref C: 50



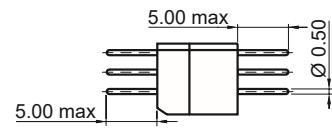
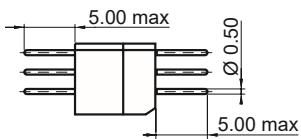
### WIRE WRAP (3 wrapping levels)

Ref: 51 Ref C: 51



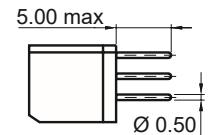
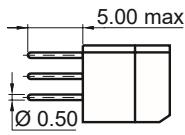
### SAVER (Male-Male)

Ref: 90



### SAVER (Female-Male)

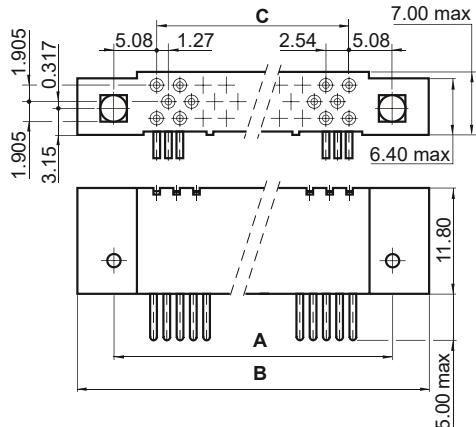
Ref: 91 Ref C: 91



Note: moulding A and B need different preparation board details for 90° tail termination.

## DIMENSIONS

### 26 TO 98 CONTACTS

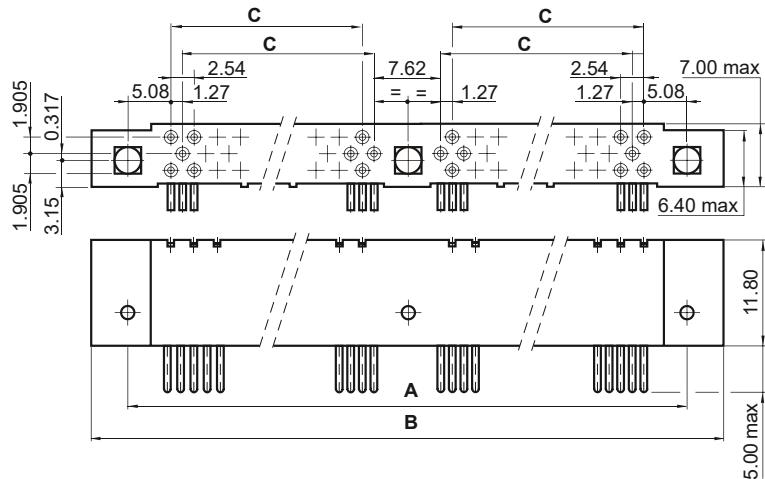


### 144 TO 162 CONTACTS

#### ONE PART (moulding A)

90° male plug  
90° male receptacle

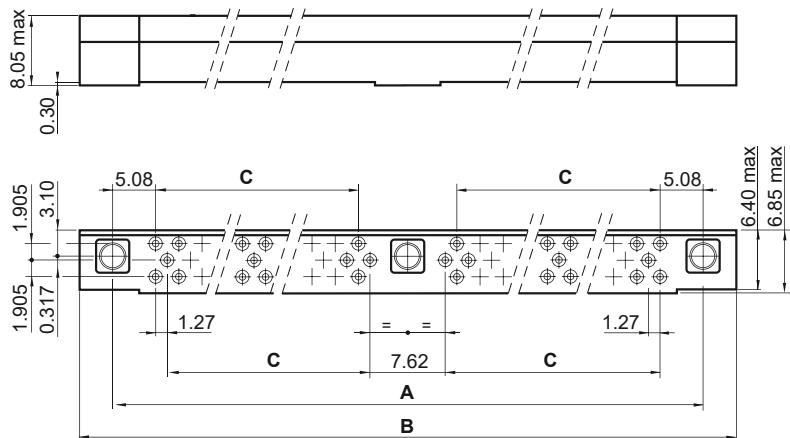
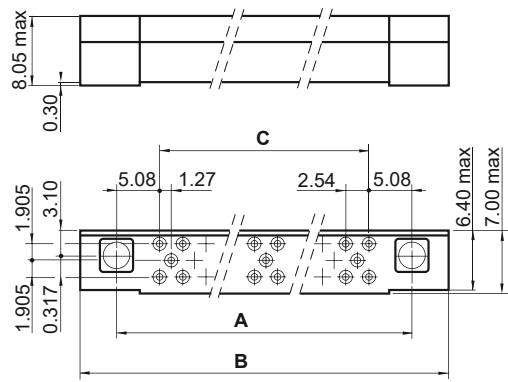
KMC ... 13 10 ...  
KMC ... 23 10 ...



#### TWO PARTS (moulding B)

Female or male receptacle  
Female or male plug

KMC ... 2. ...  
KMC ... 1. ...



| No. of contacts | 26    | 44    | 62    | 80    | 98    | 144    | 162    |
|-----------------|-------|-------|-------|-------|-------|--------|--------|
| A               | 30.48 | 45.72 | 60.96 | 76.20 | 91.44 | 137.16 | 152.40 |
| B max           | 38.50 | 53.70 | 69.00 | 84.20 | 99.50 | 145.20 | 160.40 |
| C               | 20.32 | 35.56 | 50.80 | 66.04 | 81.28 | 58.42  | 66.04  |

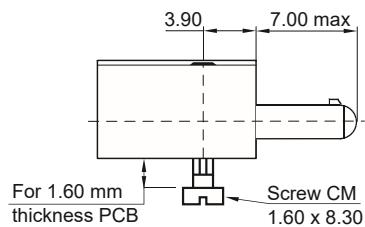
## ► GUIDE DEVICE & POLARITY TERMINATION COMPATIBILITY CHART

| FR 22 | FP 12 | FR 22 | FP 12 | MR 23 | FR 22 | FP 12 | MP 13 | MR 23 | FR 22 | FP 12 | MP 13 | FR 22 | FP 12 | MP 13 | FR 23 | FR 22 | FP 12 | MP 13 | Polarity      |           |  |    |                |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|-----------|--|----|----------------|
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | All pinning   | A         |  |    |                |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | All pinning   | B         |  |    |                |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 90°           | 13F       | 11M  | 10 |                |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Straight      |           | 31   | 30 |                |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Solder bucket |           | 40   |    |                |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Wire wrap     | 51        | 50   |    |                |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Female/male   | Male/male | 91   | 90 | Male or female |
|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Contact       |           |  |    |                |

## ► MALE GUIDE STYLES

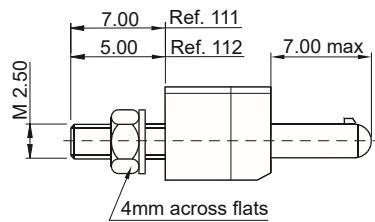
### POLARISED TRANSVERSE MOUNT (moulding A)

Ref: 110 Ref: 110



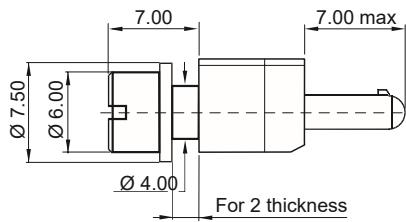
### POLARISED VERTICAL MOUNT (moulding B)

Ref: 111 Ref: 112



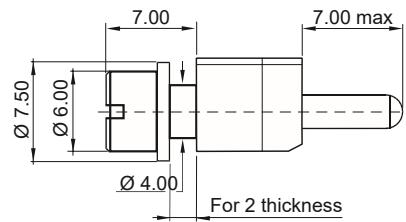
### POLARISED VERTICAL FLOAT MOUNT (moulding B)

Ref: 113

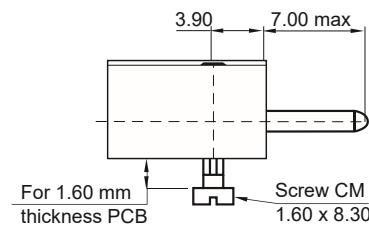


### POLARISED VERTICAL FLOAT MOUNT (moulding B)

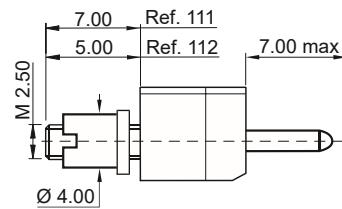
Ref: 128



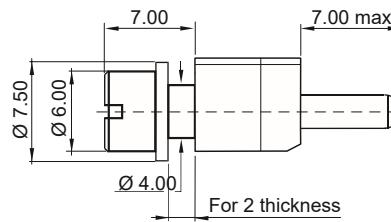
### UNPOLARISED TRANSVERSE MOUNT (moulding A) CENTRAL GUIDE (KMC 144-162)



### UNPOLARISED VERTICAL MOUNT (moulding B) CENTRAL GUIDE (KMC 144-162)

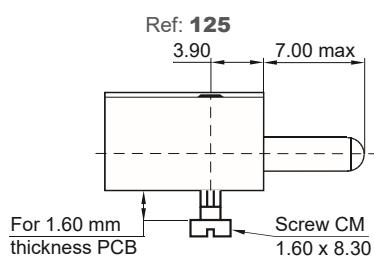


### UNPOLARISED VERTICAL FLOAT MOUNT (moulding B) CENTRAL GUIDE (KMC 144-162)



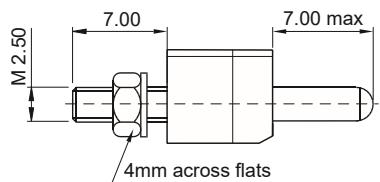
## ► MALE GUIDE STYLES

**UNPOLARISED TRANSVERSE MOUNT  
(moulding A)**



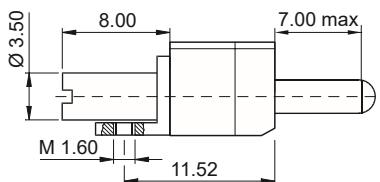
**UNPOLARISED VERTICAL MOUNT  
(moulding B)**

Ref: 127



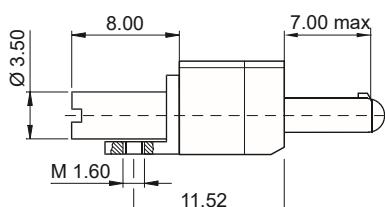
**UNPOLARISED TRANSVERSE MOUNT  
(moulding B)**

Ref: 155



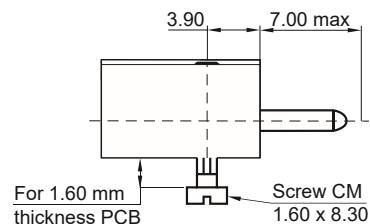
**POLARISED TRANSVERSE MOUNT  
(moulding B)**

Ref: 156



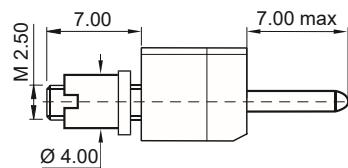
**UNPOLARISED TRANSVERSE MOUNT (moulding A)  
CENTRAL GUIDE (KMC 144-162)**

Ref: 125



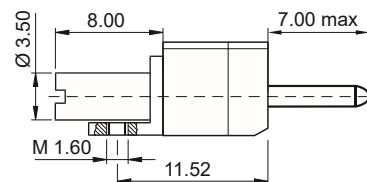
**UNPOLARISED VERTICAL MOUNT (moulding B)  
CENTRAL GUIDE (KMC 144-162)**

Ref: 127



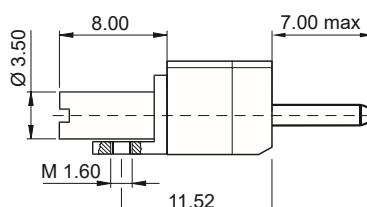
**UNPOLARISED TRANSVERSE MOUNT (moulding B)  
CENTRAL GUIDE (KMC 144-162)**

Ref: 155



**UNPOLARISED TRANSVERSE MOUNT (Moulding B)  
CENTRAL GUIDE (KMC 144-162)**

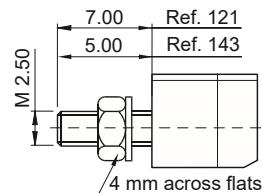
Ref: 156



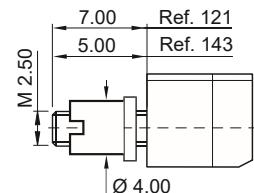
## FEMALE GUIDE STYLES

**POLARISED VERTICAL MOUNT  
(moulding B)**

Ref 121 Ref 143 Ref 143

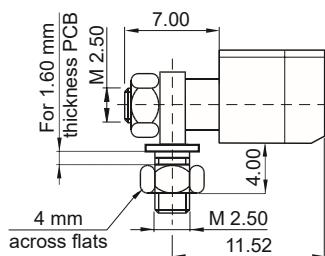


**UNPOLARISED VERTICAL MOUNT (moulding B)  
CENTRAL GUIDE (KMC 144-162)**

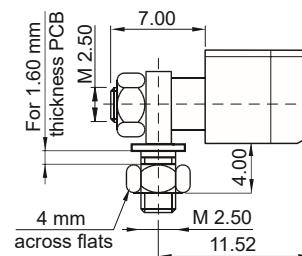


**POLARISED TRANSVERSE MOUNT  
(moulding B)**

Ref: 124

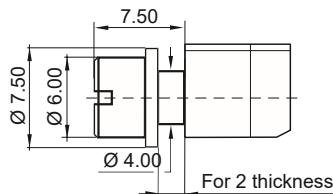


**UNPOLARISED TRANSVERSE MOUNT (moulding B)  
CENTRAL GUIDE (KMC 144-162)**



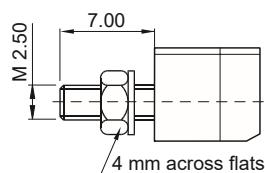
**POLARISED VERTICAL FLOAT MOUNT  
(moulding B)**

Ref: 123

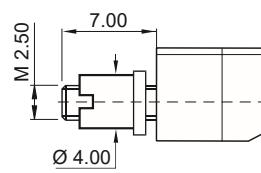


**ALL KEYING TYPES  
(moulding B)**

Ref: 130



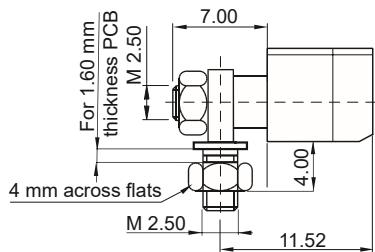
**ALL KEYING TYPES (moulding B)  
CENTRAL GUIDE (KMC 144-162)**



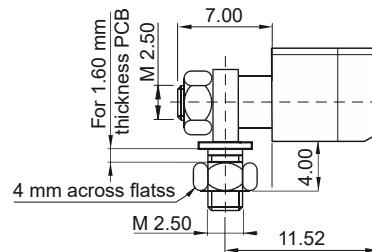
## ► FEMALE GUIDE STYLES

### ALL KEYING TYPES (moulding B)

Ref: 133

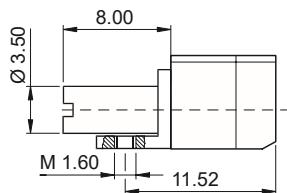


### ALL KEYING TYPES (moulding B) CENTRAL GUIDE (KMC 144-162)

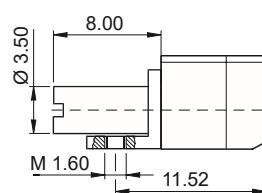


### ALL KEYING TYPES (moulding B)

Ref: 153

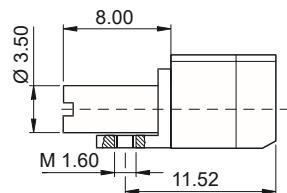


### ALL KEYING TYPES (moulding B) CENTRAL GUIDE (KMC 144-162)

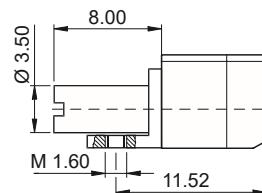


### POLARISED TRANSVERSE MOUNT (moulding B)

Ref: 154



### UNPOLARISED TRANSVERSE MOUNT( moulding B) CENTRAL GUIDE (KMC 144-162)

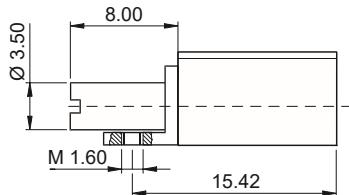


## GUIDE STYLES

### FEMALE

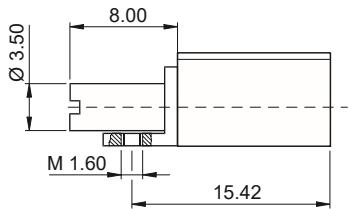
#### UNPOLARISED TRANSVERSE MOUNT (moulding A)

Ref: 173

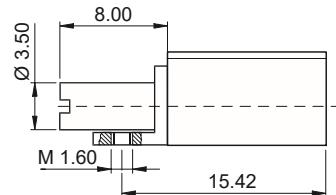


#### POLARISED TRANSVERSE MOUNT (moulding A)

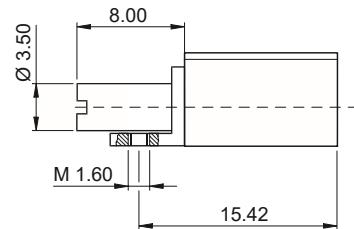
Ref: 174



#### UNPOLARISED TRANSVERSE MOUNT (moulding A) CENTRAL GUIDE (KMC 144-162)



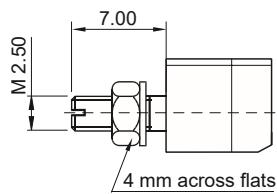
#### UNPOLARISED TRANSVERSE MOUNT (moulding A) CENTRAL GUIDE (KMC 144-162)



### FEMALE

#### MASS AND POWER CONTACT (moulding B)

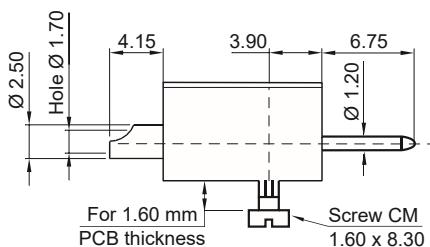
Ref: 190



### MALE

#### MASS AND POWER CONTACT (moulding A)

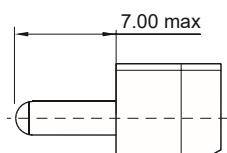
Ref: 191



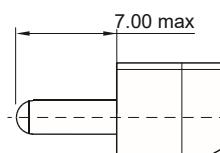
### FEMALE - MALE

#### UNPOLARISED TRANSVERSE MOUNT (moulding B)

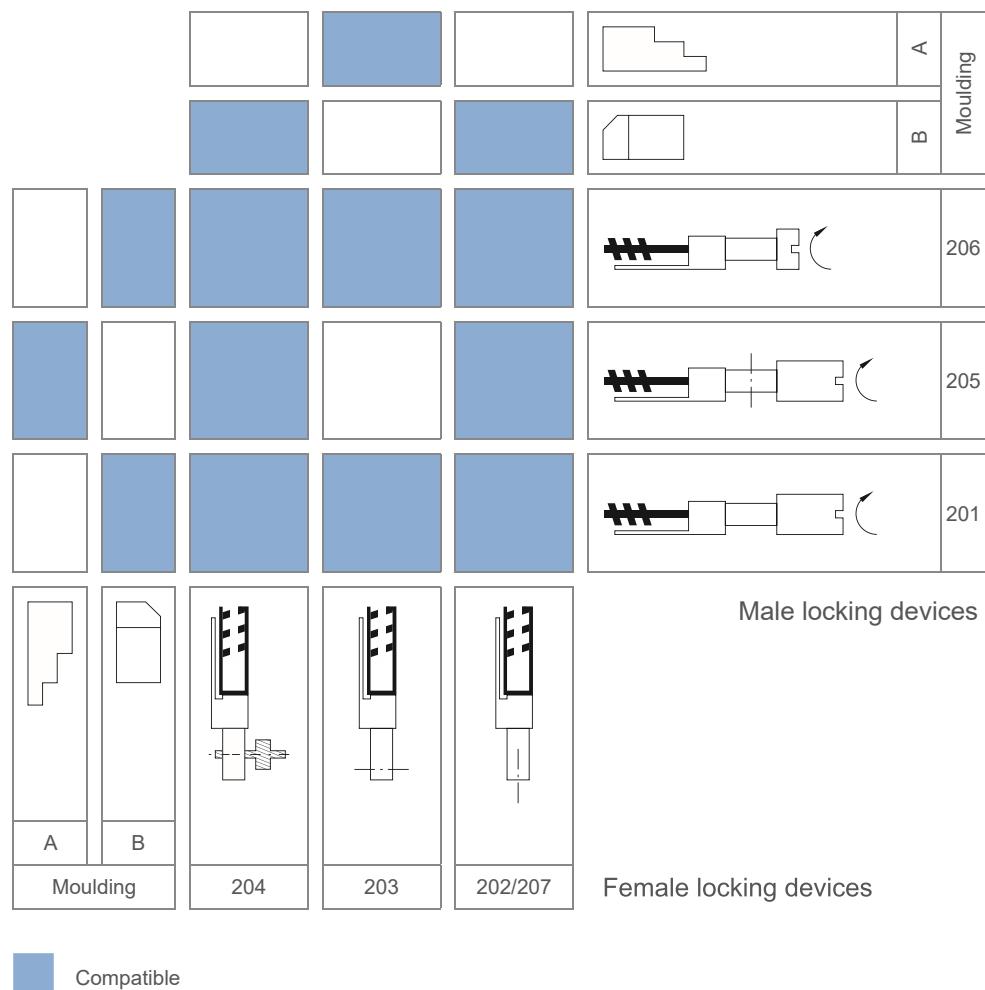
Ref: 703 Ref: 703



#### UNPOLARISED TRANSVERSE MOUNT (moulding B) CENTRAL GUIDE (KMC 144-162)



## LOCKING DEVICE COMPATIBILITY CHART



**NOTE:** the connector must be fitted with its locking devices before soldering on the PCB (straight through board solder):

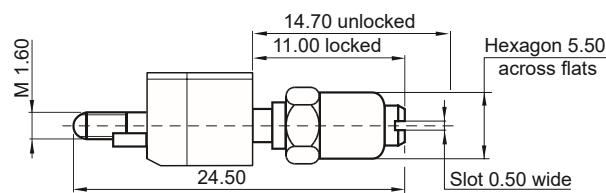
- ▶ Connector on PCB: impossibility to change the keying.
  - ▶ If you need to change the keying:
    - pierce PCB through Ø 3.70, fixing devices
    - use 054826.000R shouldered washer

## LOCKING STYLES

### MALE

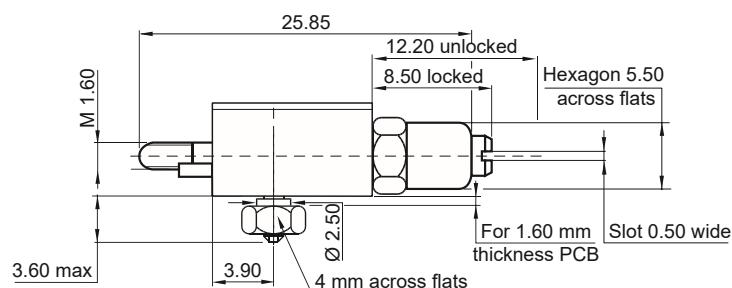
#### JACKSCREW, FREE CONNECTOR (moulding B)

Ref: 201 Ref 201  
For KMC 144-162 the supplied central guide is Ref: 111



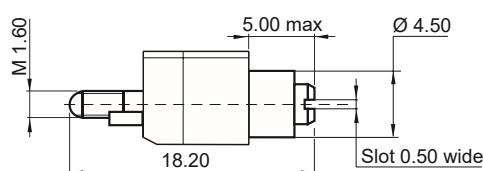
#### JACKSCREW, TRANSVERSE MOUNT (moulding A)

Ref: 205  
For KMC 144-162 the supplied central guide is Ref: 110



#### JACKSCREW, FREE CONNECTOR (moulding B)

Ref: 206 Ref 206  
For KMC 144-162 the supplied central guide is Ref: 112



## LOCKING STYLES

### FEMALE

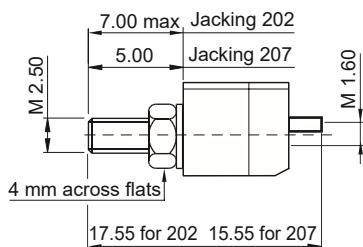
#### NON ROTATING JACKSCREW, VERTICAL MOUNT (moulding B)

Ref: 202 Ref 202

For **KMC 144-162** jackscrew 202 the supplied central guide is Ref: 121

Ref: 207

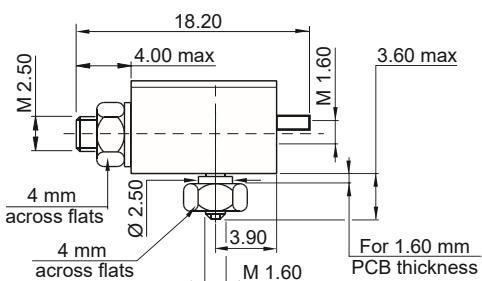
jackscrew 207 the supplied central guide is Ref: 143



#### NON ROTATING JACKSCREW, TRANSVERSE MOUNT (moulding A)

Ref: 203

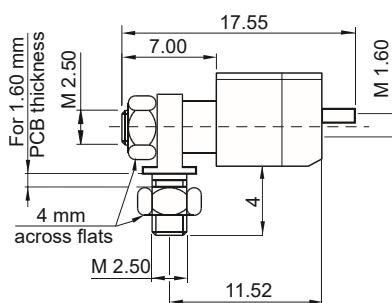
For **KMC 144-162** jackscrew 202 the supplied central guide is Ref: 173



#### NON ROTATING JACKSCREW, TRANSVERSE MOUNT (moulding B)

Ref: 204 Ref 204

For **KMC 144-162** the supplied central guide is Ref: 111

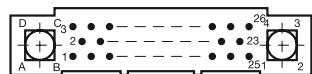


► MATING SIDE LAYOUT VIEW

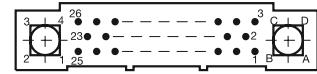
MOULDING A

PLUG

RECEPTACLE



026



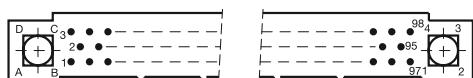
044



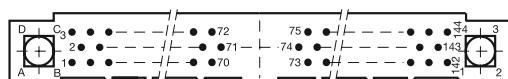
062



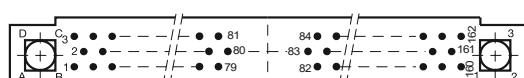
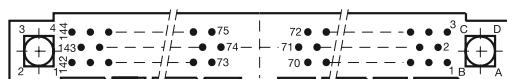
080



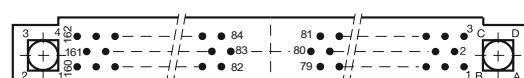
098



144



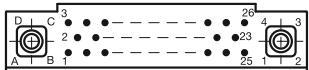
162



## MATING SIDE LAYOUT VIEW

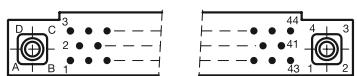
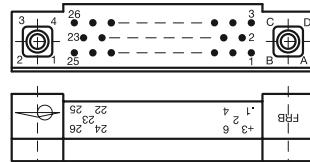
### MOULDING B

#### PLUG

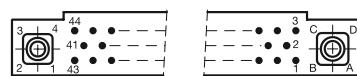


026

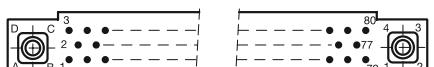
#### RECEPTACLE



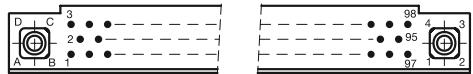
044



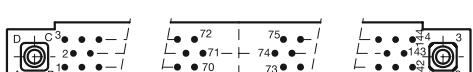
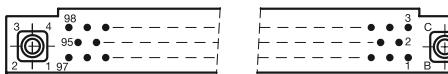
062



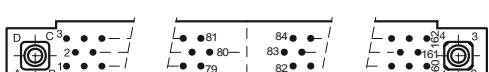
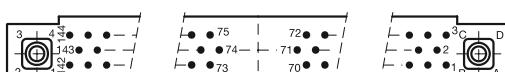
080



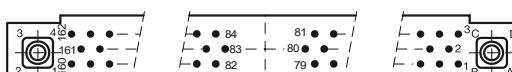
098



144



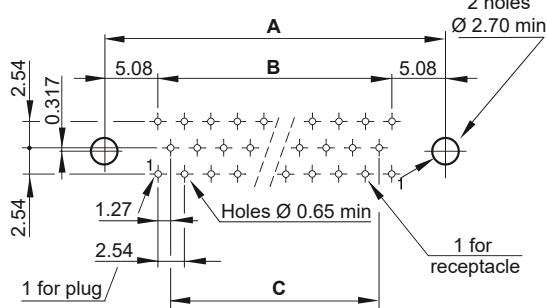
162



## BOARD PREPARATION DETAILS

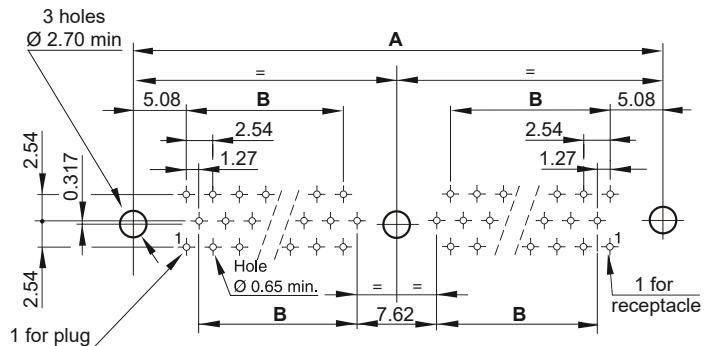
### TWO PARTS (moulding B)

**26 TO 98 CONTACTS**



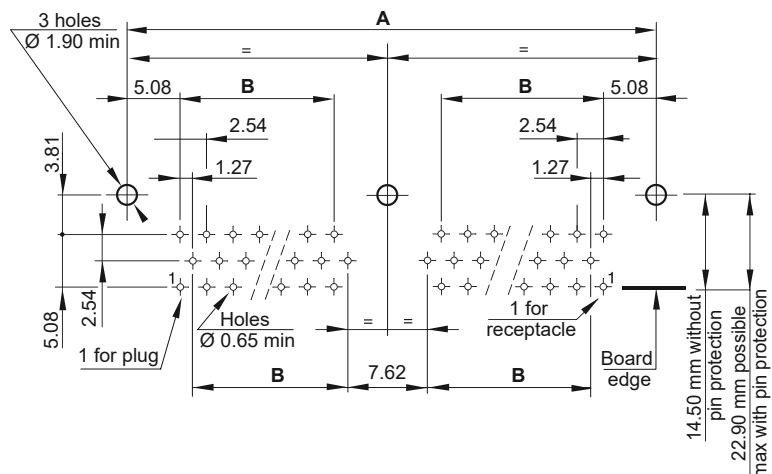
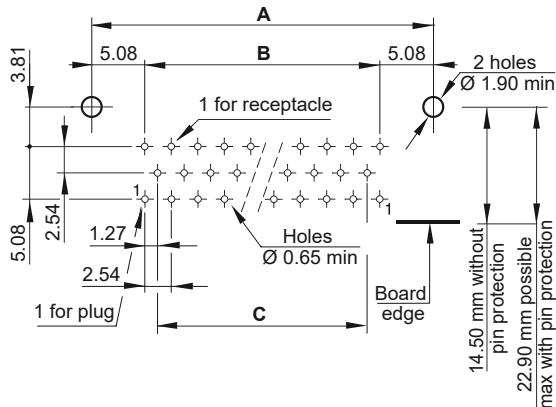
**144 TO 162 CONTACTS**

### MOTHER BOARD



**Female or male, plug or receptacle, straight solder terminations 30 or 31  
Guide styles: 111 - 112 - 121 - 127 - 130 - 143 - 190**

### DAUGHTER BOARD



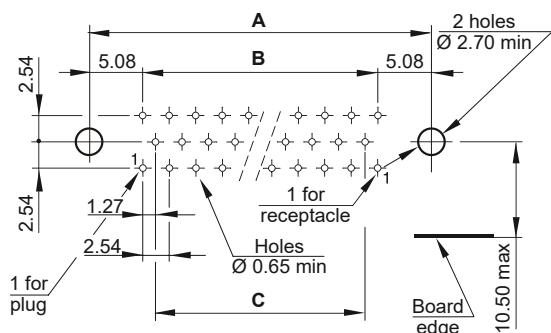
**Female or male, plug or receptacle, 90° termination  
Guide styles: 153 - 154 - 155 - 156**

| No. of contacts | 26    | 44    | 62    | 80    | 98    | 144    | 162    |
|-----------------|-------|-------|-------|-------|-------|--------|--------|
| A               | 30.48 | 45.72 | 60.96 | 76.20 | 91.44 | 137.16 | 152.40 |
| B               | 20.32 | 35.56 | 50.80 | 66.04 | 81.28 | 58.42  | 66.04  |
| C               | 17.78 | 33.02 | 48.26 | 63.50 | 78.74 | -      | -      |

## ► BOARD PREPARATION DETAILS

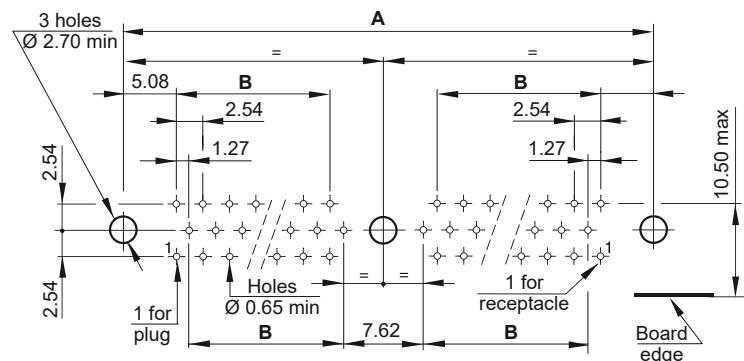
### TWO PARTS (moulding B)

**26 TO 98 CONTACTS**



**144 TO 162 CONTACTS**

### DAUGHTER BOARD



**Female or male, plug or receptacle, 90° termination**

**Guide styles: 124 - 133**

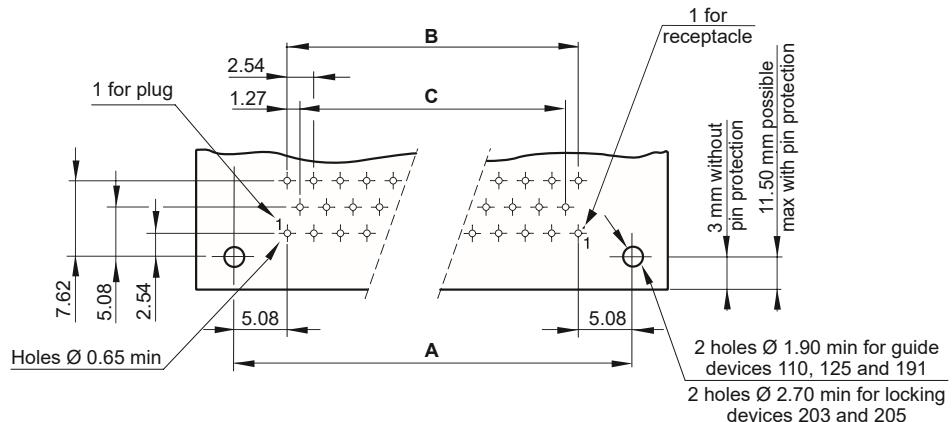
| No. of contacts | 26    | 44    | 62    | 80    | 98    | 144    | 162    |
|-----------------|-------|-------|-------|-------|-------|--------|--------|
| A               | 30.48 | 45.72 | 60.96 | 76.20 | 91.44 | 137.16 | 152.40 |
| B               | 20.32 | 35.56 | 50.80 | 66.04 | 81.28 | 58.42  | 66.04  |
| C               | 17.78 | 33.02 | 48.26 | 63.50 | 78.74 | —      | —      |

## BOARD PREPARATION DETAILS

### ONE PART (moulding A)

#### DAUGHTER BOARD

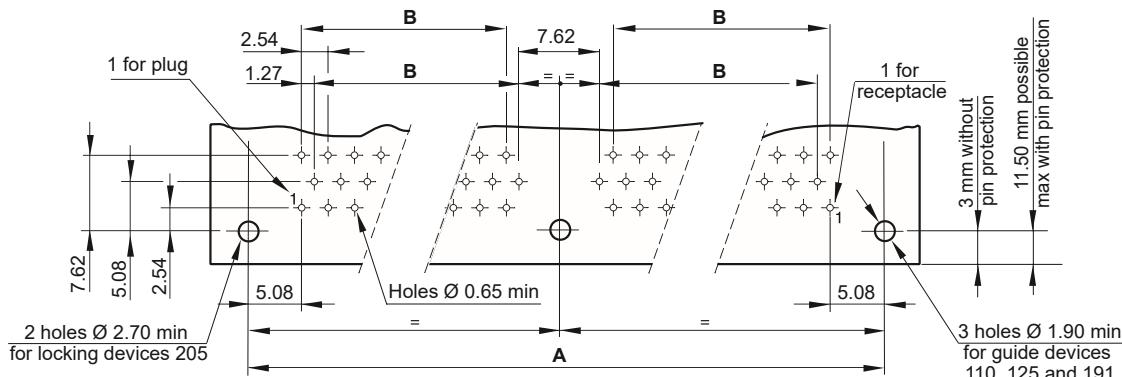
#### 26 TO 98 CONTACTS



**Male, plug or receptacle, 90° termination**

**Guide styles: 110 - 125 - 191 - 203 - 205**

#### 144 TO 162 CONTACTS



**Male, plug or receptacle, 90° termination**

**Guide styles: 110 - 125 - 191 - 205**

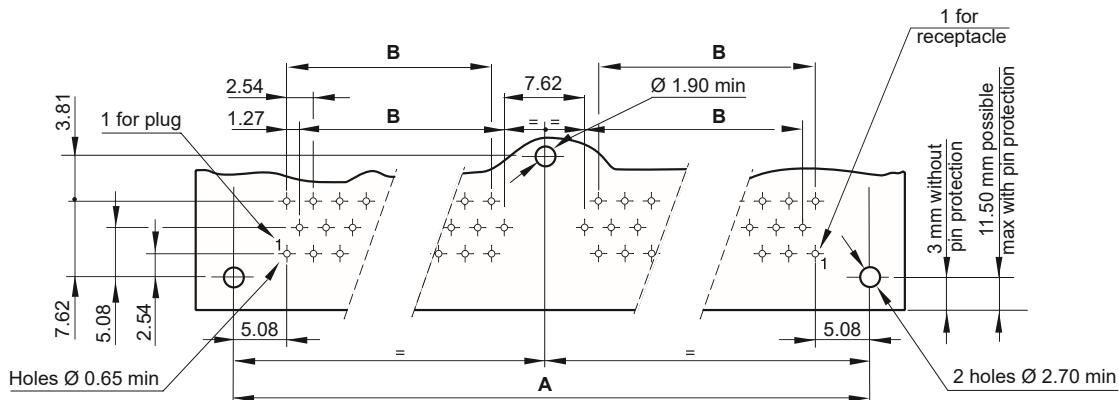
| No. of contacts | 26    | 44    | 62    | 80    | 98    | 144    | 162    |
|-----------------|-------|-------|-------|-------|-------|--------|--------|
| A               | 30.48 | 45.72 | 60.96 | 76.20 | 91.44 | 137.16 | 152.40 |
| B               | 20.32 | 35.56 | 50.80 | 66.04 | 81.28 | 58.42  | 66.04  |
| C               | 17.78 | 33.02 | 48.26 | 63.50 | 78.74 | —      | —      |

## ► BOARD PREPARATION DETAILS

### ONE PART (moulding A)

#### DAUGHTER BOARD

#### 144 TO 162 CONTACTS



**Male, plug or receptacle, 90° termination**  
**Locking styles: 203**

| No. of contacts | 26    | 44    | 62    | 80    | 98    | 144    | 162    |
|-----------------|-------|-------|-------|-------|-------|--------|--------|
| A               | 30.48 | 45.72 | 60.96 | 76.20 | 91.44 | 137.16 | 152.40 |
| B               | 20.32 | 35.56 | 50.80 | 66.04 | 81.28 | 58.42  | 66.04  |
| C               | 17.78 | 33.02 | 48.26 | 63.50 | 78.74 | —      | —      |

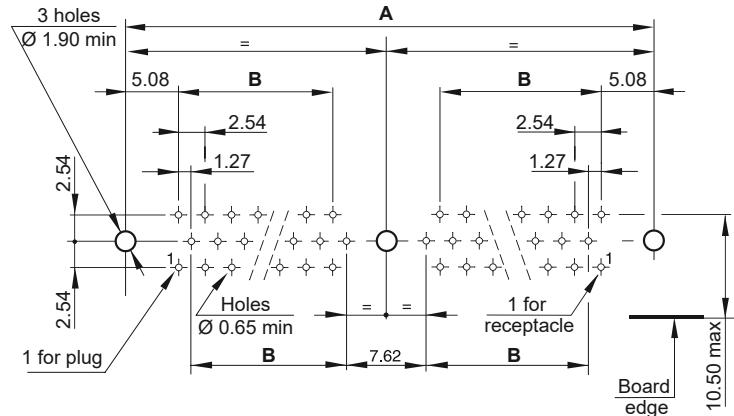
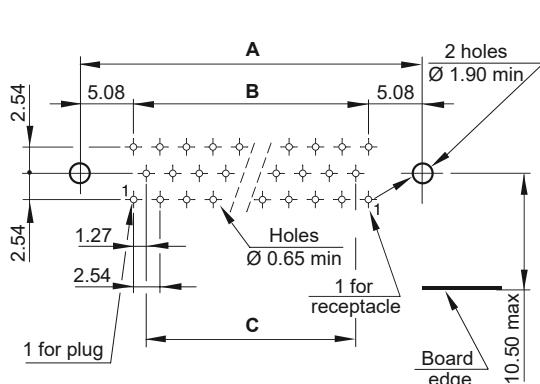
## ► PANEL PREPARATION DETAILS

## **TWO PARTS (moulding B)**

## 26 TO 98 CONTACTS

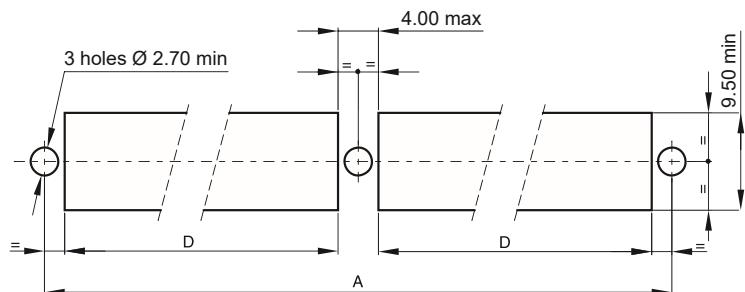
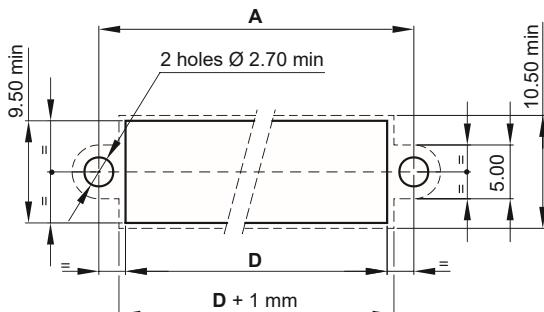
## 144 TO 162 CONTACTS

## MOTHER BOARD



## **Plug or receptacle, 90° termination**

## DAUGHTER BOARD



— Fixed mount

--- Float mount (2 mm thickness)

**Female or male, plug or receptacle, 90° termination 40 - 50 - 51**  
**Guide styles: 111 - 112 - 121 - 127 -130 - 143 - 190 - (Fixed Mount)**

**Guide styles: 113 - 123 - 128 - (Float Mount)**

#### **Locking Styles: 202 - 207**

| No. of contacts | 26    | 44    | 62    | 80    | 98    | 144    | 162    |
|-----------------|-------|-------|-------|-------|-------|--------|--------|
| A               | 30.48 | 45.72 | 60.96 | 76.20 | 91.44 | 137.16 | 152.40 |
| B               | 20.32 | 35.56 | 50.80 | 66.04 | 81.28 | 58.42  | 66.04  |
| C               | 17.78 | 33.02 | 48.26 | 63.50 | 78.74 | —      | —      |
| D               | 25.90 | 41.20 | 56.40 | 71.60 | 86.90 | 63.60  | 71.60  |



# SMITHS CONNECTORS GLOBAL SUPPORT

## AMERICAS

info.us@smithsconnectors.com

**Costa Mesa, CA**  
1.714.371.1100

**Hudson, MA**  
1.978.568.0451

**Kansas City, KS**  
1.913.342.5544

## EUROPE

**France**  
33.2.32969176  
info.fr@smithsconnectors.com

**Germany**  
49.991.250.120  
info.de@smithsconnectors.com

**Italy**  
39.010.60361  
info.it@smithsconnectors.com

**United Kingdom**  
44.208.236.2400  
info.uk@smithsconnectors.com

## ASIA

asiainfo@smithsconnectors.com

**Shanghai, China**  
86.21.3318.4650

**Suzhou, China**  
86.512.6273.1188

**Singapore**  
65.6846.1655

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