

PCB and Cable Connectors, DIN 41612 derived

- 32, 64, 96 HC contacts Ø 0.60 mm
- 3 row PCB connector
- 2.54 mm pitch
- Connectors for daughter/mother board
- Derived from standard DIN 41612
- 500 mating-unmating cycles

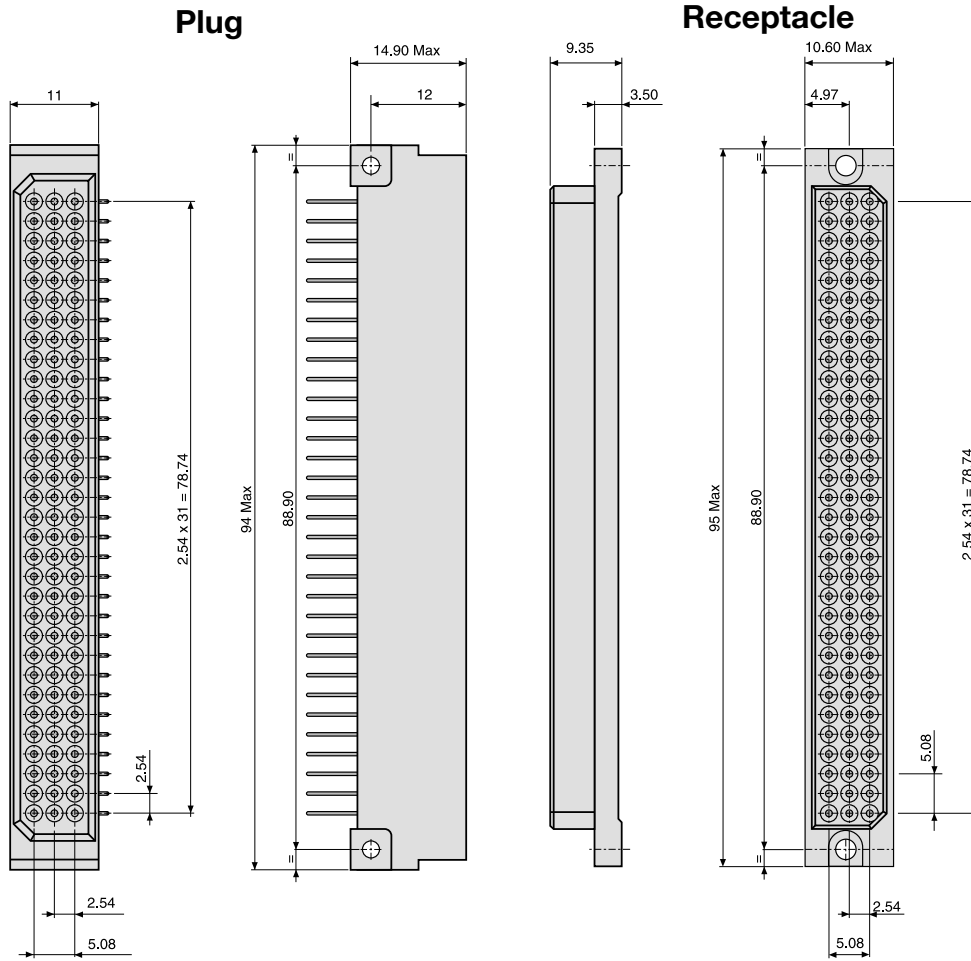
Technical Characteristics

MATERIAL		GUIDING	<i>Insulator design used for keying system</i>
<i>Insulator</i>	<i>Thermoset</i>	DIELECTRIC WITHSTANDING VOLTAGE	1200 VRMS
<i>Pin & socket body</i>	<i>Brass</i>	CURRENT RATING	3 A Max (25 °C)
<i>Socket wires</i>	<i>Copper alloy</i>	INSULATION RESISTANCE	> 10 ³ MΩ (500 Vcc)
PLATING		CONTACT RESISTANCE	< 6 mΩ
<i>Pin and socket wires</i>	<i>Au/Ni</i>	TEMPERATURE RANGE	-55 °C, +125 °C
PITCH	2.54 mm		
CONTACT	Ø 0.60 mm, removable		
MOUNTING	<i>By screw, transverse on plug and axial on receptacle</i>		

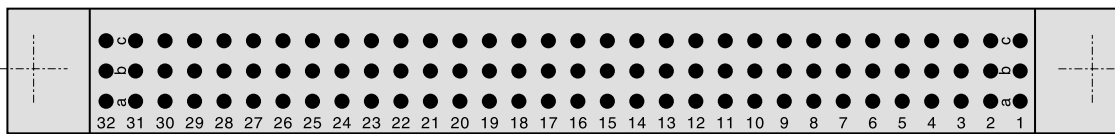
Ordering information

		K	D	C	---	--	--
SERIES							
MODEL							
3 rows							
NUMBER OF CONTACTS							
032 064 096							
PART - POLARITY - PLATING							
13 Male plug	22 Female receptacle						
17 Male plug, tinned terminations*	26 Female receptacle, tinned terminations*						
TERMINATIONS							
10 Bent protrusion 2.75 (plug)	20 To crimp for cable AWG 28 - 26 - 24 - 22 (receptacle)						
12 Bent protrusion 3.70 (plug)	30 Straight protrusion 2.80 (receptacle)						
31 Straight protrusion 4.30 (plug)	31 Straight protrusion 3.90 (receptacle)						
32 Straight protrusion 9.30 (plug)	32 Straight protrusion 5.30 (receptacle)						
50 Wire wrap (3 wraps) (plug)	50 Wire wrap (3 wraps) (receptacle)						
	40 Solder cup (receptacle)						
*Tin plating is only available for bent or straight terminations (10 and 30)							

Plug and receptacle dimensions



Contact layout



Receptacle wiring side view

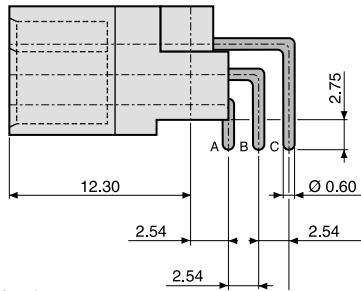
Contact implantation

Contact number	Equipped rows	Equipped holes
96	a + b + c	even + odd
64	a + c	even + odd
32	a + c	even

Dimensions are in mm

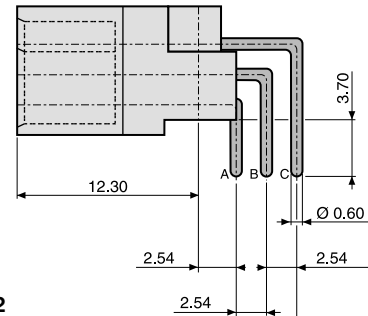
Plug terminations

90° termination



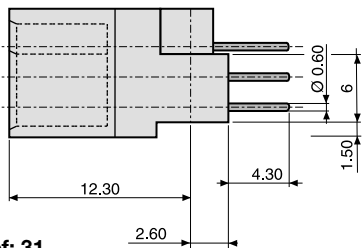
Ref: 10

90° termination



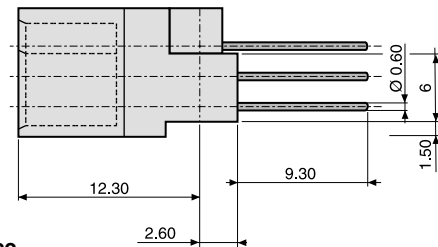
Ref: 12

Straight protrusion 4.30



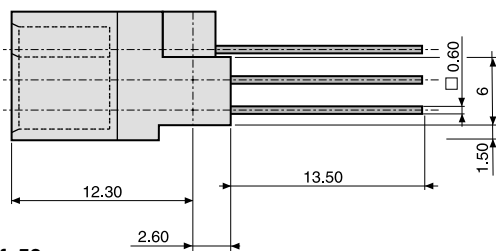
Ref: 31

Straight protrusion 9.30



Ref: 32

Wire wrap (3 wraps)

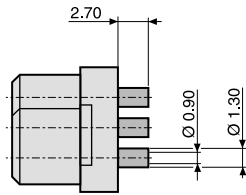


Ref: 50

Terminations	Row	Contact P/N
10	A	0061161-10ROG
	B	0061171-10ROG
	C	0061181-10ROG
12	A	0061441-12ROG
	B	0061451-12ROG
	C	0061461-12ROG
31		0060431-30ROG
32		0061061-32ROG
50		0060441-51ROG

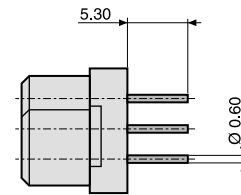
Receptacle terminations

Cable AWG 28 - 26 - 24 - 22



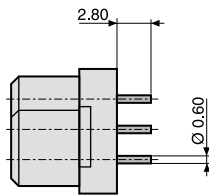
Ref: 20

Straight protrusion 5.30



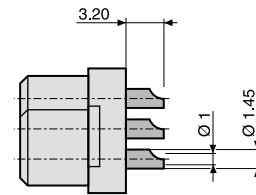
Ref: 32

Straight protrusion 2.80



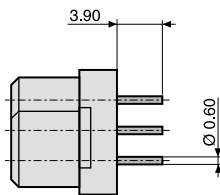
Ref: 30

Solder cup



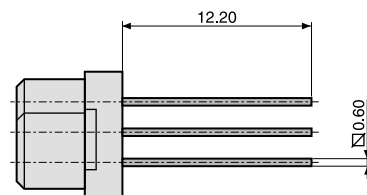
Ref: 40

Straight protrusion 3.90



Ref: 31

Wire wrap (3 wraps)



Ref: 50

Terminations	Contact P/N
20	0060422-20rG0
30	0060432-30rG0
31	0060662-31rG0
32	0061002-32rG0
40	0060412-40rG0
50	0060442-51rG0

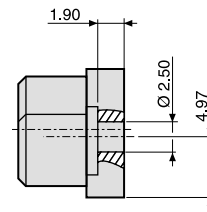
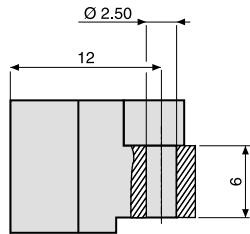
Mounting

Plug

Receptacle

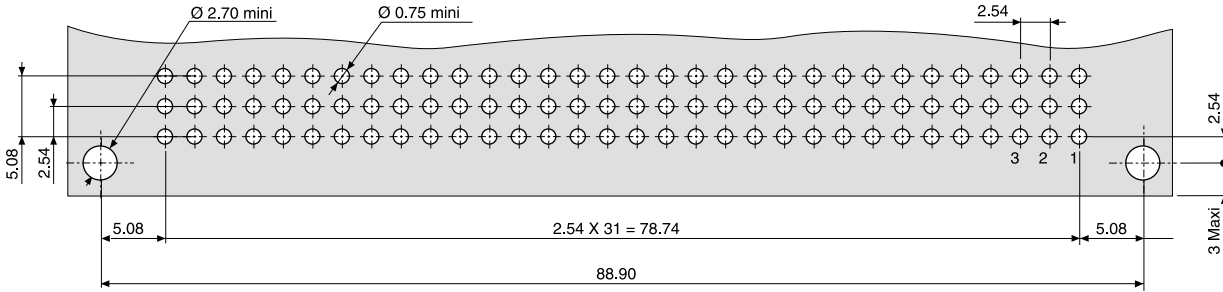
Transverse

Axial

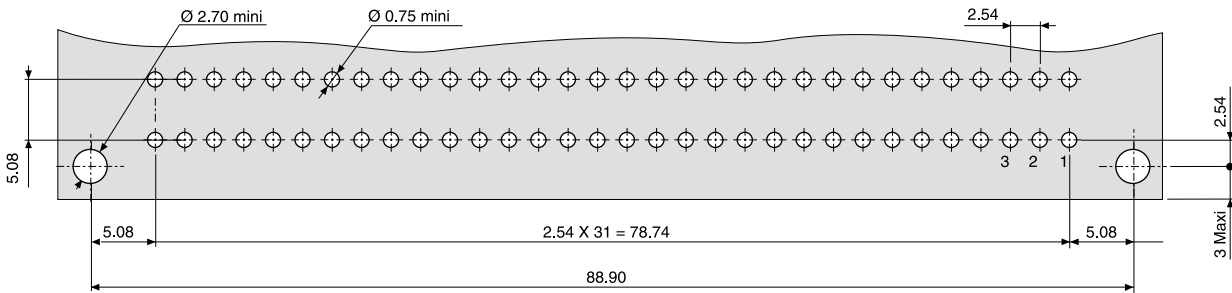


Daughter board preparation details

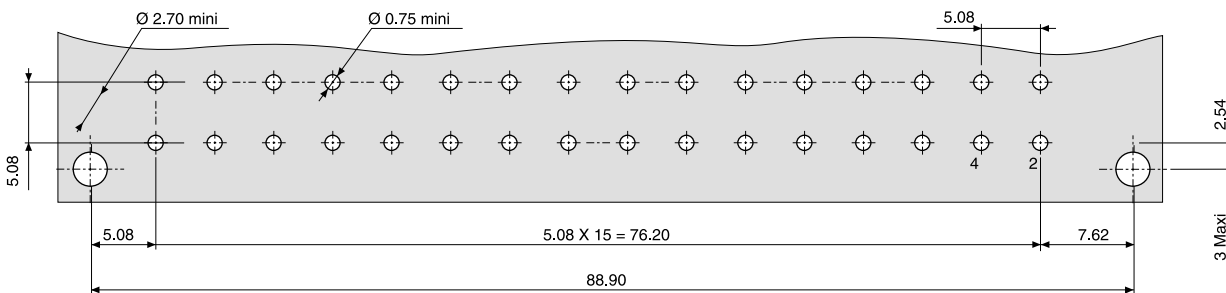
96 ways



64 ways



32 ways

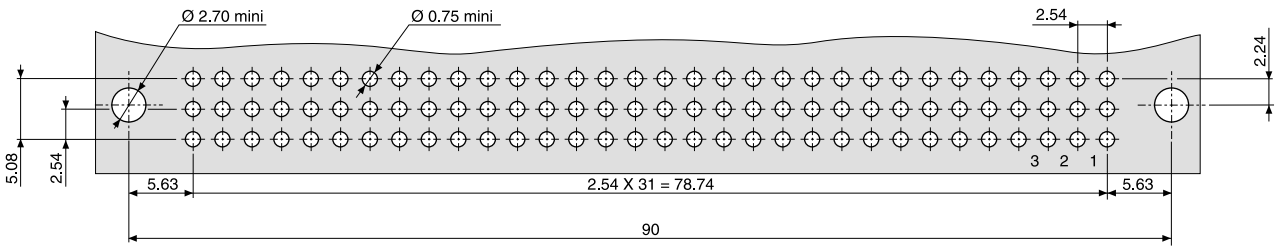


Notes
PCB connector wiring side view

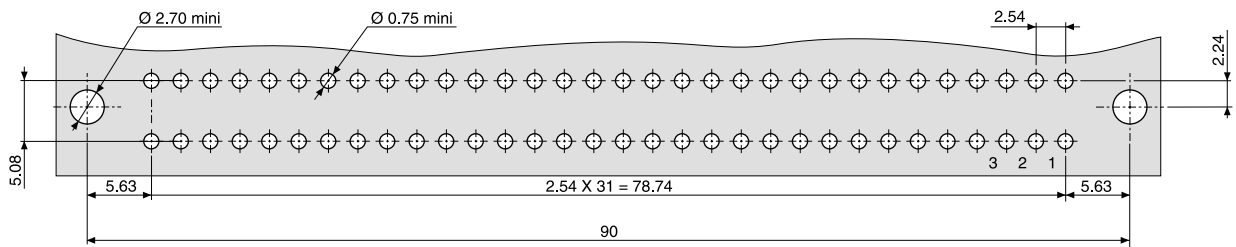
Dimensions are in mm

Mother board & panel preparation details

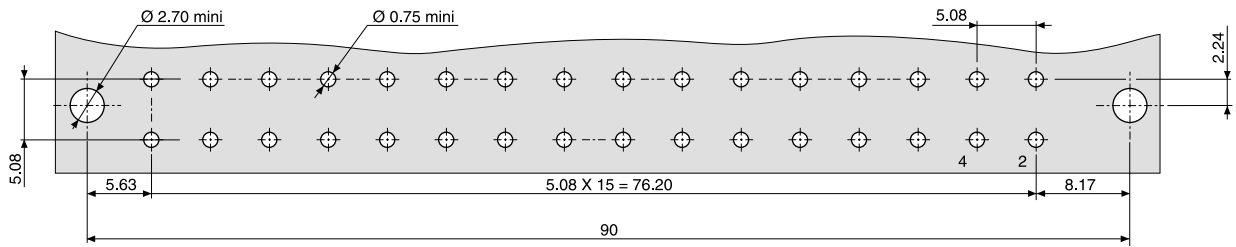
96 ways



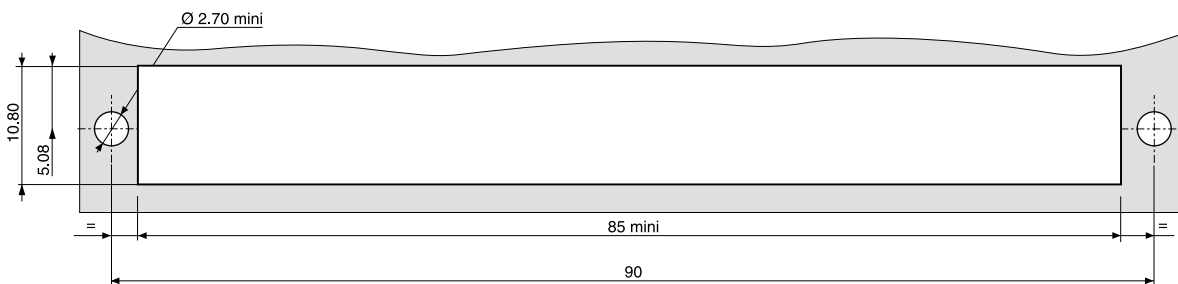
64 ways



32 ways



Panel



Notes

PCB and panel connector wiring side view

Dimensions are in mm