

Materials

Mouldings:	PPS, UL94V-0
Contacts:	Male: Brass Female: Phosphor Bronze
Finish:	Gold on contact area, Tin on tails

Electrical

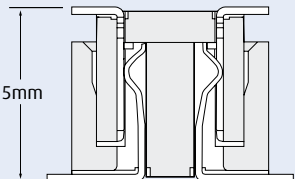
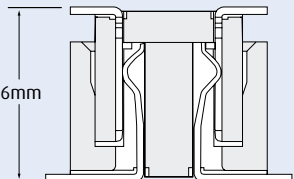
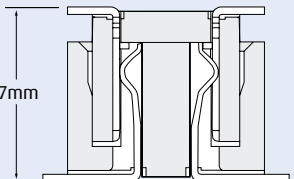
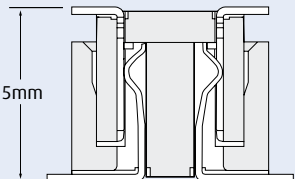
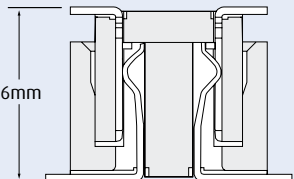
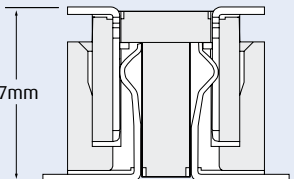
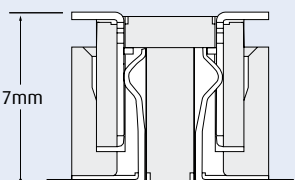
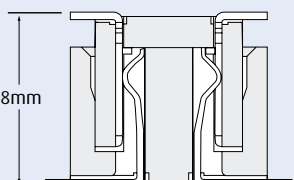
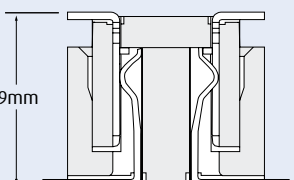
Current rating:	0.5A per contact
Voltage rating:	100V AC
Voltage proof:	300V AC
Contact resistance:	40 milliohms max
Insulation resistance:	1000 Megohms min

Environmental

Operating temperature:	-55°C to +100°C
Solderability:	245°C for 5 seconds
Soldering heat resistance:	260°C for 10 seconds

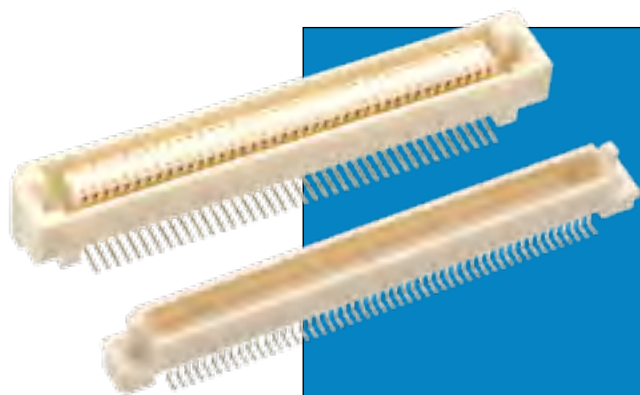
Mechanical

Durability:	30 operations
Insertion force (max):	1.0N per contact
Withdrawal force (min):	0.1N per contact
Vibration sensitivity:	10 – 55Hz, 1.5mm, 6 hours duration
Shock severity:	490m/s ² (50G) for 11 ms

Female Male	M60-604	M60-605	M60-606
			
M60-614			
M60-616			

All dimensions in mm.

www.harwin.com



M60 Connectors

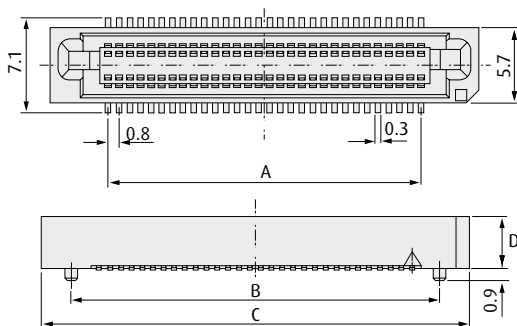
Male & Female SMT Connectors

A range of double row 0.8mm pitch SMT male & female connectors for variable height board-to-board stacking.

- ❖ Locating pegs to ensure correct positioning onto the board.
- ❖ Polarised to prevent mis-mating.
- ❖ For tape and reel packaging contact technical@harwin.com.

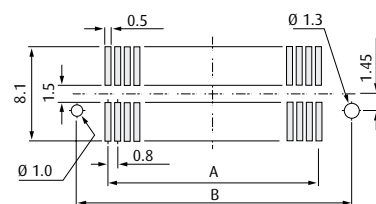
0.8mm (.031") PITCH

MALE



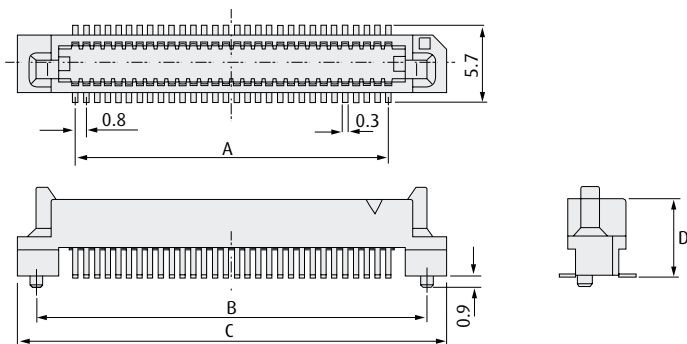
CALCULATION:

A	$0.8 \times (\text{No. of ways per row} - 1)$
B	$A + 4.0$
C	$A + 8.6$



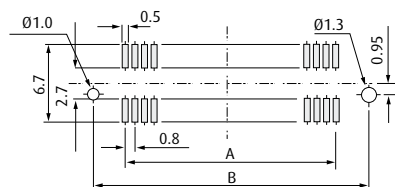
Recommended PC Board Pattern

FEMALE



CALCULATION:

A	$0.8 \times (\text{No. of ways per row} - 1)$
B	$A + 5.6$
C	$A + 8.6$



Recommended PC Board Pattern

HOW TO ORDER

M60 - 6 X X XX XX

SERIES CODE

GENDER

0	Female
1	Male

CONNECTOR HEIGHT

4	D = 4mm
5	D = 5mm (Female only)
6	D = 6mm

FINISH

45 Gold

NO. OF WAYS PER ROW

10, 15, 20, 25, 30, 40, 50

www.harwin.com

All dimensions in mm.



HARWIN