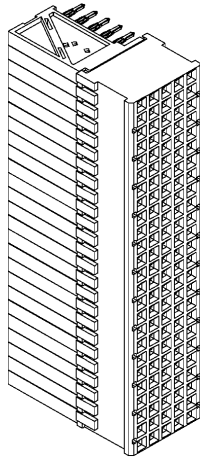
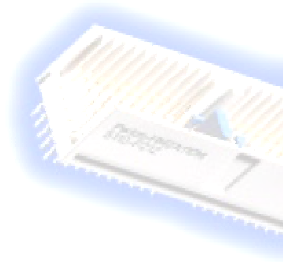


PerForm 2.0™ Hard Metric Connectors

Type B, Female, right angle
IEC 61076-4-101



- According to IEC 61076-4-101 and IEC 917
- 25 mm basic system unit
- High contact density with 2 mm grid spacing
- 50 mm connector module
- Different termination lengths available
- All terminations with compliant eye of needle press-fit design
- Plated through hole diameter 0.6 mm
- Available with grounding rows
- Different coding devices available

PRODUCT DATA

Electric data

Current rating	1 A at +70 °C
Test voltage	750 V AC (rms)
Insulation resistance	10 Gohm (min)
Temperature range	-55... +125 °C

Materials

Housing material	Thermoplastic resin, glass-fibre filled, UL 94 V-0
Contact material	Copper alloy
Contact plating	Gold over nickel or.. Gold flash over nickel palladium over nickel
Press-in zone plating	Tinlead over nickel

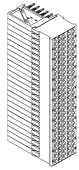
Physical data

Press-in Force	26 ± 6N/pin on nominal hole diameter (0.6 ± 0.05 mm)
Retention Force	
Mating force	20 ± 5N/pin on nominal hole diameter (0.6 ± 0.05 mm)
Withdrawal Force	0.75 N/contact max. 0.15 N/contact min.

PCB data

Diameter of plated through holes	0.6 ± 0.05 mm
Recommended PCB hole platings	Cu 25-50 µm, Sn or SnPb < 10 µm
PCB Thickness	1.4 – 5.6 mm



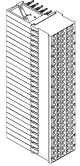


TYPE B Female connectors, right angle

Identification	Number of contacts	Performance level	Part number
TYPE B 19	95	1	HM2B19095F51000-L111
	95	1	HM2B19095F51000-L121
	95	2	HM2B19095F51000-L112
	95	2	HM2B19095F51000-L122
TYPE B 19 with pre-installed upper shield	95	1	HM2B19095F51001-L111
	95	1	HM2B19095F51001-L112
	95	2	HM2B19095F51001-L112
	95	2	HM2B19095F51001-L112
TYPE B 19 lower shield	95	1	HM2SMB19L
	95	2	HM2SMB19L
TYPE B 22	110	1	HM2B22110F51000-L111
	110	1	HM2B22110F51000-L121
	110	2	HM2B22110F51000-L112
	110	2	HM2B22110F51000-L122
TYPE B 22 with pre-installed upper shield	110	1	HM2B22110F51001-L111
	110	1	HM2B22110F51001-L121
	110	2	HM2B22110F51001-L112
	110	2	HM2B22110F51001-L122
TYPE B 22 lower shield	110	1	HM2SMB22L
	110	2	HM2SMB22L
TYPE B 25	125	1	HM2B25125F51000-L111
	125	1	HM2B25125F51000-L121
	125	2	HM2B25125F51000-L112
	125	2	HM2B25125F51000-L122
TYPE B 25 with pre-installed upper shield	125	1	HM2B25125F51001-L111
	125	1	HM2B25125F51001-L121
	125	2	HM2B25125F51001-L112
	125	2	HM2B25125F51001-L122
TYPE B 25 lower shield	125	1	HM2SMB25L
	125	2	HM2SMB25L

1 performance level (Au 1,25 µm)

2 performance level (Au 0,8 µm)



TYPE B Female connectors, right angle

Mechanical dimensions and PCB layout

