



ENGLISH

Datasheet

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RS Pro M22-20 Series, 2mm Pitch 9 Way 1 Row Straight PCB Header, Solder Termination, 1A



Image representative of range

Product Details

Harwin M22 2.00 mm PCB Pin Header Connectors

M22 series PCB through hole and SMT mount header connectors with a 2.00mm pitch. These M22 2.00 mm PCB headers are available with dual and single row, vertical and right angle configurations making them a versatile solution for various applications. The mating pin length of these M22 series breakaway PCB headers is 3.5 mm. The housings of both PCB through hole and SMT headers are made from high temperature thermoplastic enabling them to withstand the same reflow soldering process.

The design of the housings incorporates castellations enabling them to be cut to size where required, care should be taken with the tails when doing this.

These M22 2.00 mm PCB pin header connectors mate with the M22 series PCB sockets, socket housings and jumpers.

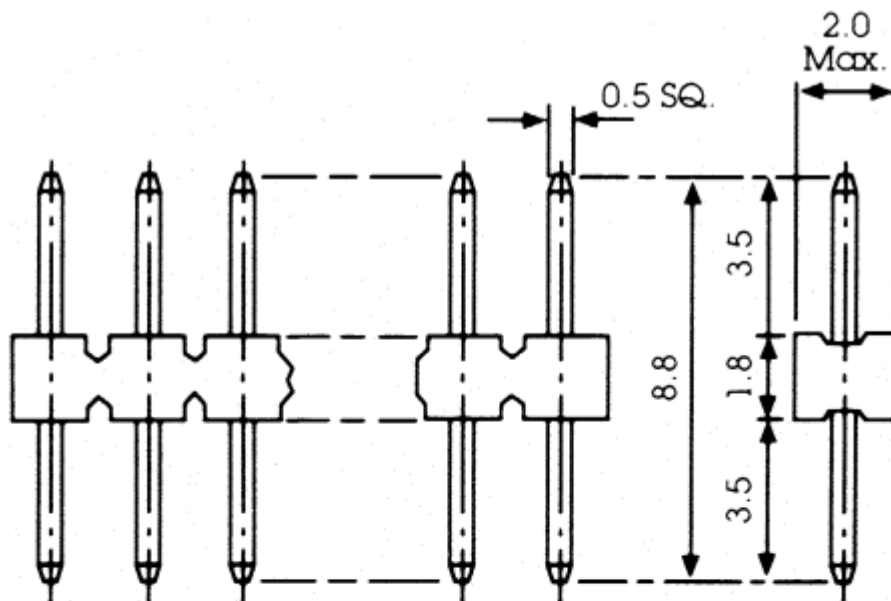
Features and Benefits

- Multiple configuration options and pin mating lengths for design flexibility
- High temperature thermoplastic housings can withstand reflow soldering process
- Can be cut to smaller sizes

Applications

These M22 2.00 mm PCB headers can be used in a wide range of applications and are established as standard connectors in embedded PCs, motherboards and large electronics systems.

Applications include consumer electronics, communications, drives and controls, industrial monitoring and personal computing.



2.0mm PCB Connectors - Harwin

PCB connectors set on a 2mm pitch for smaller and higher density, discrete wire, board to board and cable to board links. Headers, sockets, crimps and jumper links are available with either gold or tin contact platings.

Insulation Resistance (min)	1000M Ω	Insertion force max.	2N x no. of ways (connectors)
Contact Resistance (max)	30m Ω	Insertion force max.	4.5N (jumper links)
Current (max)	Pin headers: 2A at 25° C PCB sockets: 1A at 25° C	Withdrawal force max.	0.2N x no. of ways (connectors)
Working Voltage	250 V dc or ac peak	Withdrawal force max.	0.6N (jumper links)
Temperature Range	-40° C to +105° C	Pin & Socket Contacts	Phosphor Bronze
Durability (mating cycles)	50 tin plate, 300 gold plate	Jumper Socket Contacts	Beryllium Copper
Insulation	UL94V-0 Thermoplastic (unless otherwise stated)	PCB Hole Diameter	0.8 mm



Specifications

Number of Contacts	9
Pitch	2mm
Number of Rows	1
Type	Unshrouded Header
Body Orientation	Straight
Termination Method	Solder
Current Rating	1A
Series	M22-20
CAD Drawing	3D CAD Model
Contact Material	Phosphor Bronze