

MINITEK® 2.0MM SMT HORIZONTAL HEADERS

OVERVIEW

Minitek® Horizontal SMT Headers enable perpendicular printed circuit board connections on a 2mm grid using surface mount technology. In a typical application the horizontal SMT header is soldered at the edge of the PCB and mates with any of various different types of receptacles.

Using the part number selector, it is possible to specify the pin length required, the number of rows (single or double), the number of circuits and the plating.

The Minitek® SMT horizontal header is part of the Minitek® range, FCI's 2mm modular connector system which includes a wide variety of header, receptacles, cables connectors and wire connectors.

The components in the Minitek® system including the SMT horizontal headers are fully intermateable.



FEATURES & BENEFITS

- Available up to 25 pins per row
- Single and double row
- Tin and selective gold
- High temperature housing
- Coplanarity 0.1
- Mates with standard Minitek® receptacles

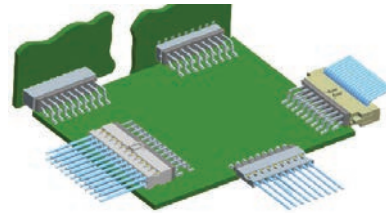
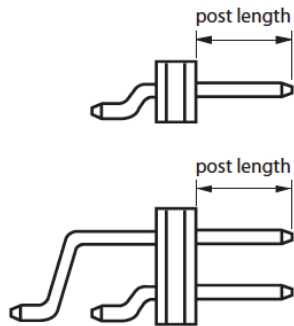
TARGET MARKETS/APPLICATIONS

- Industrial
- Instrumentation
- Medical

PART NUMBERS

8 – DIGIT PART NUMBER		PLATING	PIN STYLE	NO. OF POS PER ROW	U	LF						
Single row	10112684			02 to 25								
Double row	10112690											
0.76m gold / GXT on mating area; 2–6µm pure tin on solder area		G	<table><tr><td>Pin Style</td><td>01</td><td>03</td></tr><tr><td>Post length (mm)</td><td>3.2</td><td>4.0</td></tr></table>				Pin Style	01	03	Post length (mm)	3.2	4.0
Pin Style	01	03										
Post length (mm)	3.2	4.0										
Gold flash on mating area; 2–6µm pure tin on solder area		F										
2–6µm pure tin on mating area; 2–6µm pure tin on solder area		T										
			<table><tr><td>Tube packaging (from 4–25 positions)</td><td>U</td></tr><tr><td>Tape and reel with pick-up cap (optional)</td><td>A</td></tr></table>				Tube packaging (from 4–25 positions)	U	Tape and reel with pick-up cap (optional)	A		
Tube packaging (from 4–25 positions)	U											
Tape and reel with pick-up cap (optional)	A											

All with 1.27 Ni MIN underplating



TECHNICAL INFORMATION

MATERIALS

- Housing: High-temperature thermoplastic
- Colour: Black
- Flammability rating: UL94V-0
- Pin: Copper alloy

ELECTRICAL PERFORMANCE

- Current rating: 2A, 80°C ambient
- Contact resistance: 20mΩ max.
- Dielectric withstanding voltage: 650V
- Voltage rating: 200V

ENVIRONMENTAL

- Operating temperature range: –55°C to 125°C

MECHANICAL PERFORMANCE

- Mating cycles (durability): 100

PROCESSING INFORMATION

- Compatible with vapor-phase, and IR

REFERENCE INFORMATION

-  File no. E66906
-  File no. LR46923
- Product drawing: 10112684, 10112690
- Product specifications: DPS-12-011 and GS-12-0804

APPROVALS AND CERTIFICATIONS

- This product is RoHS compatible according to the European Union Directive 2002/95/IEC

PART NUMBERS

Type	Description	Part Numbers
Double Row	Vertical receptacles	55510 55508 63453
	CTW contacts and housings	77138 10044403 90311
	IDC receptacles	89947 89361
Single Row	CTW contacts and housings	77138 90312

Disclaimer

Please note that the above information is subject to change without notice.