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[3M™ .050" X .100" Tripolarized, Latch/Ejector Header, Right Angle, 2 Rows, 810 Series > 3M™ .050" X .100" Tripolarized Latch/Ejector Header, Right Angle, 80 Contacts, 81080 Series >](#)

Printer-friendly format 3M™ .050" X .100" Tripolarized Latch/Ejector Header, 81080-520203



80 contacts, Right Angle, 4 Wall, 2 Rows of Solder Tails, Ejector/Latch System with ejector latches packaged separately (for strain relief and or non-strain relief socket versions), Contact tail solder tail for .062 [1.57] PC board.

[\[click to enlarge\]](#)

3M Id : 80-6200-9642-2
 GTIN(UPC/EAN) : 0 00 54007 76006 1

Additional Information

The .050" x .100" Tripolarized Latch Ejector Headers are right angle, with two rows of thru-hole solder tails and high walls to protect the contacts. The two-row design saves space and the 50 mil x 100 mil doubles board density. The latch/ejector can withstand rugged, high-performance applications and the post mount option facilitates soldering. These headers are high temperature dielectric

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[Packaging Data](#)

[3M™ .050 in. 4-Wall, Tripol.Hdr., .050"x .100" L/E, RA, TS0253 - Data Sheet \(PDF 586.1 K\)](#)

[3M™ .050" Tripolarized Wiremount Skt., Mating & Access. Chart - Product Selection Guide \(PDF 132.6 K\)](#)

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Characteristics

Contact Material	Copper Alloy
Contact Termination Area Plating	100 μ" [2.54 μm] 90/10 Tin/Lead
Contact Underplating	100 μ" [2.54 μm] Nickel
Contact Wiping Area Plating	30 μ" [0.76 μm] Gold
Current Rating	0.5 Ampere
Insulation Color	Ivory (Natural)
Insulation Flammability Rating	UL 94V-0
Insulation Material	Liquid Crystal Polyester (LCP)
Insulation Resistance	>1 X 10 ⁹ Ohms @ 500 Vdc
Interface Grid	.050" x .100"
Interface Style	Header (Rectangular Plug)
Latch/Ejector Type	Long, Latch/Ejectors Packaged Separately
Markings	3M Logo, Part Identification Number and Orientation Triangle
Mounting Option	Posts - Press Fit

Non-Operating Temperature	-55 to 105 Degree Celsius
Number of Contact Rows	2
Number of Contacts	80
Number of Walls	4
Orientation	Horizontal
Polarization	Tripolarized
Primary Trademark Name	3M
Process Temperature Rating	250 Degree C, 90 Seconds
Separable	Yes
Tail Length	.090 Inch
Termination Method	Solder Tail
Termination Style	Printed Circuit Board
Withstanding Voltage	500 Vrms at Sea Level