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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, 68 Contacts, 81068 Series >](#)

**Printer-friendly format 3M™ .050" X .100" Tripolarized Latch/Ejector Header, 81068-520203**



**68 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 : 80-6200-9669-5  
 GTIN(UPC/EAN) : 0 00 54007 75982 9

**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**

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

<b>Non-Operating Temperature</b>	-55 to 105 Degree Celsius
<b>Number of Contact Rows</b>	2
<b>Number of Contacts</b>	68
<b>Number of Walls</b>	4
<b>Orientation</b>	Horizontal
<b>Polarization</b>	Tripolarized
<b>Primary Trademark Name</b>	3M
<b>Process Temperature Rating</b>	250 Degree C, 90 Seconds
<b>Separable</b>	Yes
<b>Tail Length</b>	.090 Inch
<b>Termination Method</b>	Solder Tail
<b>Termination Style</b>	Printed Circuit Board
<b>Withstanding Voltage</b>	500 Vrms at Sea Level