3M[™] 4-Wall, Tripolarized Header

.050" × .100" Latch/Ejector, PTH & SMT Straight, PTH Right Angle

810 Series



Physical

Insulation:

Material:	High Temperature Plastic (LCP)
Flammability:	UL 94V-0
Color:	Black
Contact:	
Material:	Copper Alloy
Plating:	
Underplating:	100 μ" [2.54 mm] Nickel
Wiping Area:	30 µ" [0.76 mm] Gold
Solder Tails:	Matte Tin or Tin Lead (See Ordering Information)
Marking:	3M Logo, Part Number and Orientation Triangle
Mating Compatibility:	820 Series (TS-0254)

Electrical

Current Rating:	3.00 A, 1 Contact Powered 2.00 A, 4 Contacts Powered 0.75 A, All Contacts powered
	Rating Conditions: EIA-364-070 Method 2, 30 degrees C maximum temperature rise, 20% derated. Reference appropriate 3M Product Specification for detailed current derating curves.
Insulation Resistance:	$>$ 1 \times 10 ⁹ Ω at 500 V _{DC}
Withstanding Voltage:	$500 V_{RMS}$ at Sea Level

Environmental

Temperature Rating:-55°C to +105°CProcess Rating:Maximum 260°C (Profile per J-STD-020C)Moisture Sensitivity Level:1 (per J-STD-020C)

UL File No.: E68080

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Electronic Solutions Division Interconnect Solutions http://www.3Mconnectors.com

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			Table 4			
Contact			Dimensions			
Quantity	A	В	C Short (Ref.)	C Long (Ref.)	D	
020	1.060 [26.92]	0.722 [18.34]	1.671 [42.44]	1.842 [46.79]	0.860 [21.8	84]
026	1.210 [30.73]	0.872 [22.15]	1.821 [46.25]	1.992 [50.60]	1.010 [25.6	65]
036	1.460 [37.08]	1.122 [28.50]	2.071 [2.60]	2.242 [56.95]	1.260 [32.0	00]
040	1.560 [39.62]	1.222 [31.04]	2.171 [55.14]	2.342 [59.49]	1.360 [34.5	54]
050	1.810 [45.97]	1.472 [37.39]	2.421 [61.49]	2.592 [65.84]	1.610 [40.8	39]
060	2.060 [52.32]	1.722 [43.74]	2.671 [67.84]	2.842 [72.19]	1.860 [47.2	24]
068	2.260 [57.40]	1.922 [48.82]	2.871 [72.92]	3.042 [77.27]	2.060 [52.3	32]
080	2.560 [65.02]	2.222 [56.44]	3.171 [80.54]	3.342 [84.89]	2.360 [59.9	94]
100	3.060 [77.72]	2.722 [69.14]	3.671 [93.24]	3.842 [97.59]	2.860 [72.6	64]
	Α	\				Table 5
				PC	B Thickness	"F" Solder Tail Length ± .010
.310	• E	3			.062 [1.57]	.092 [2.34]
[7.87]	Se	e Note 1-			.094 [2.39]	.110 [2.79]
	Ľ	7]				Left [6.73]
165 [4.18 of] [2.4] [2.4] [2.95]	1			.028 Ref [21.03] .405 [10.29] .015 [38] Optional Press fripost mount alignment feature	.05 F Cont Matir Point	Ref $\frac{1}{1}$ $140 +$
A 18 A	Desition 1 Orienteet		raight Header	(ica) (ica)(Cont Matir Point Point Plat blar RB = ng Options:	hef $\frac{1}{4}$

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