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Jameco Part Number 527195

Housings, Panel Mount Positive Lock

Material:

Housing — Nylon, natural color

Flammability Rating — UL94V-2

Related Product Data:

Performance Characteristics —
pages 9029 and 9030

Contacts — pages 9032 and 9033

Keying Plug — page 9033

Commoning Tab — page 9032

Mating Socket Headers —

page 9038

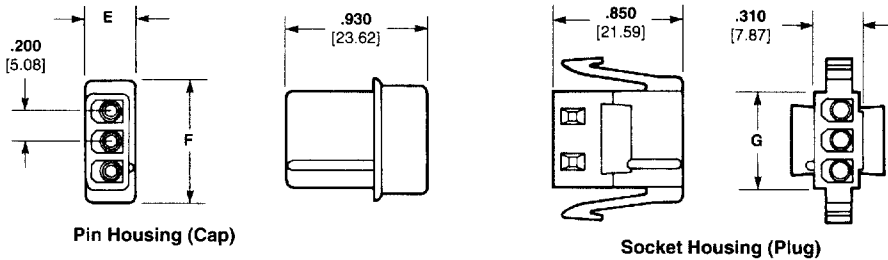
Mating IDC — page 9039

Technical Documents: pages 9029
and 9080

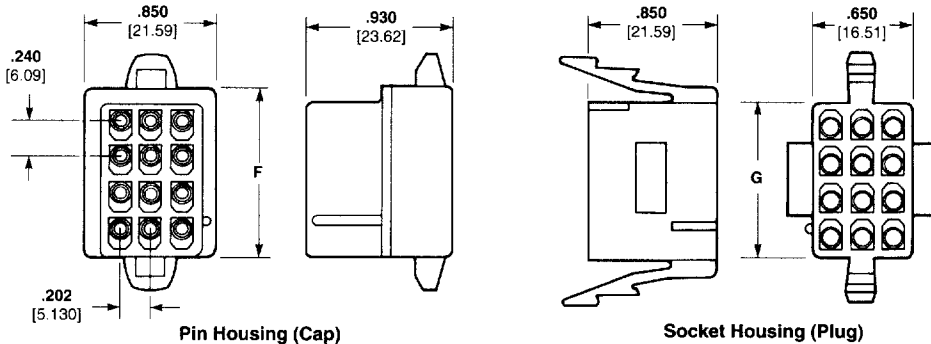
Product Specification

108-1000 Commercial MATE-N-LOK
Connectors

3 and 4 Circuit, In-Line



6, 9, 12 and 15 Circuit, Matrix



Number of Circuits	Dimensions			Part Numbers	
	E	F	G	Pin Housing (Cap)	Socket Housing (Plug)
3	.325 8.26	.810 20.57	.630 16.00	1-480305-0 ²	1-480304-0
4	.330 8.38	1.010 25.65	.825 20.96	1-480426-0 ^{2,4} 3-480426-0 ^{1,2,4}	1-480425-0 ⁴ 3-480425-0 ^{1,4}
6	—	.665 16.89	.555 14.10	1-480276-0 ³	1-480273-0
9	—	.905 22.99	.795 20.19	1-480277-0 ³	1-480274-0
12	—	1.145 29.08	1.045 26.54	1-480278-0 ³	1-480275-0
15	—	1.382 35.10	1.280 32.51	1-480324-0 ³	1-480323-0

¹ Housing material has 125°C temperature rating

² Detent lock

³ Positive lock

⁴ Used by disk drive industry

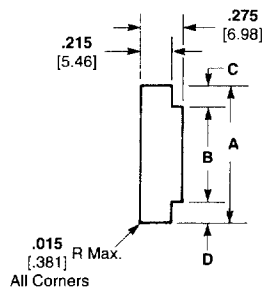
Recommended Panel Cutout for Panel Mount Socket Housing

View is from socket housing entry
side

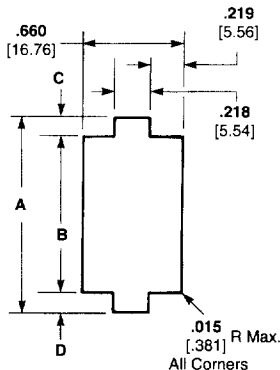
Mounting Information

1. Recommended panel thickness—.025-.065 [.635-1.65].
2. Both locking legs are to be squeezed together and the housing is to be inserted "straight-in", as opposed to a rocking manner.
3. The panel should be punched so that the housing enters the panel in the same direction as the punch.
4. The panel must not have any material (paint, porcelain, etc.) applied in the mounting hole area that would decrease the retention of the housing in the panel.
5. If the two items above are not complied with, the "A" dimension should be reduced .020 [5.08] to allow proper retention.

3 and 4 Circuit, In-Line



6, 9, 12 and 15 Circuit, Matrix



Number of Circuits	Dimensions	
	A	B
3	.890 22.61	.645-.635 16.38-16.13
4	1.100 27.94	.845-.835 21.46-21.21
6	.840 21.34	.575-.570 14.61-14.48
9	1.075 27.31	.815-.810 20.70-20.57
12	1.320 33.53	1.055-1.050 26.80-26.67
15	1.550 39.37	1.290-1.285 32.77-32.64

Note: Dimensions "C" and "D" are to be equal.

For complete product information, order Catalog 82181

