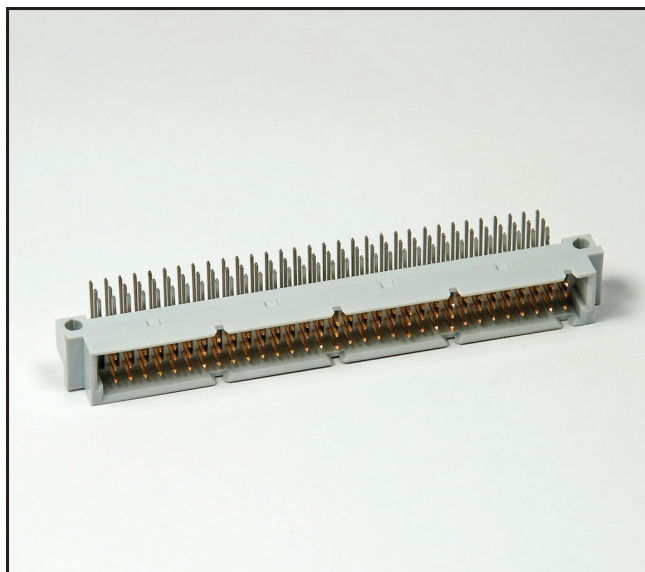


3M™ DIN C Form Plug

Right Angle, Solder Tail Termination

DIN 41612 Series



- Multi-pin count socket compatible with VME, VXI and Multibus II daughter cards
- Early mate late break (EMLB) grounding contacts for hot swapping
- Expanded pin counts
- Optional retention clips
- Mates with C-form and R-form sockets
- See the Regulatory Information Appendix (RIA) in the “RoHS compliance” section of www.3M.com/Interconnects for compliance information (RIA E1 & C1 apply)

Date Modified: February 2, 2010

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Sheet 1 of 3

Physical

Insulation:

Material: Glass Filled Polyester (PBT)
Flammability: UL 94V-0
Color: Gray

Contact:

Material: Copper Alloy

Plating:

Underplating: 50 μ ” Min. Nickel
Wiping Area: See Ordering Information
Termination: See Ordering Information

Electrical

Current Rating: 3.0A at 30°C T-rise above ambient
Contact Resistance: ≤ 20 m Ω
Insulation Resistance: $\geq 1,000$ M Ω , 100V_{DC}
Withstanding Voltage: 1,000 V_{AC} for 1 minute

Environmental

Temperature Rating: -55°C to 125°C
Process Temperature Rating: Maximum Insulator Temperature 191°C (solder wave process only)

UL File No.: E68080



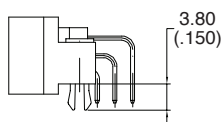
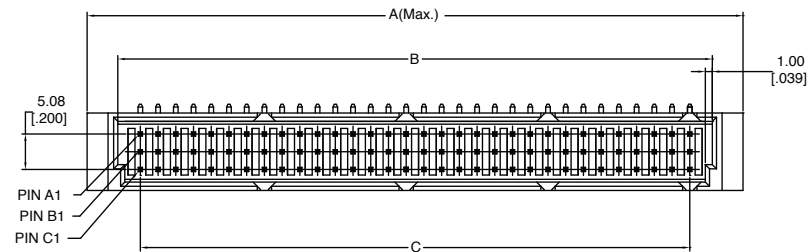
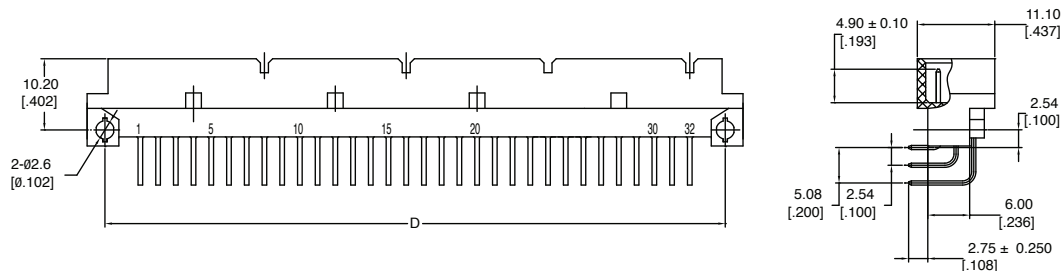
3M™ DIN C Form Plug

Right Angle, Solder Tail Termination

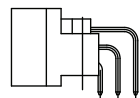
DIN 41612 Series

Table 1

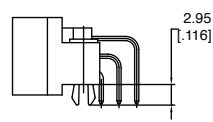
Contact Quantity	Part Number	A	B	C	D
16	DIN-016CPA-XXX-XXXX	54.40 [2.142]	44.56 [1.754]	38.10 [1.500]	48.26 [1.900]
32	DIN-032CPB-XXX-XXXX	54.40 [2.142]	44.56 [1.754]	38.10 [1.500]	48.26 [1.900]
48	DIN-048CPC-XXX-XXXX	54.40 [2.142]	44.56 [1.754]	38.10 [1.500]	48.26 [1.900]
32	DIN-032CPD-XXX-XXXX	54.40 [2.142]	44.56 [1.754]	38.10 [1.500]	48.26 [1.900]
16	DIN-016CPE-XXX-XXXX	54.40 [2.142]	44.56 [1.754]	38.10 [1.500]	48.26 [1.900]
32	DIN-032CPA-XXX-XXXX	94.00 [3.701]	85.20 [3.354]	78.74 [3.100]	88.90 [3.500]
64	DIN-064CPB-XXX-XXXX	94.00 [3.701]	85.20 [3.354]	78.74 [3.100]	88.90 [3.500]
96	DIN-096CPC-XXX-XXXX	94.00 [3.701]	85.20 [3.354]	78.74 [3.100]	88.90 [3.500]
64	DIN-064CPD-XXX-XXXX	94.00 [3.701]	85.20 [3.354]	78.74 [3.100]	88.90 [3.500]
32	DIN-032CPE-XXX-XXXX	94.00 [3.701]	85.20 [3.354]	78.74 [3.100]	88.90 [3.500]



RR1
WITH "A" RETENTION CLIP
for .062 and .093 PCB thickness



SR1
WITHOUT RETENTION CLIP



RR1L
WITH "B" RETENTION CLIPS
for .062 PCB thickness

Tolerance Unless Noted			
	X.	.X	.XX
mm	± 0.50	± 0.25	± 0.15

[] Dimension for Reference Only

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Sheet 2 of 3

Right Angle, Solder Tail Termination

Technical drawing of a plated through hole (PTH) in a PCB. The drawing shows a cross-section of the hole with dimensions in inches and millimeters. The hole diameter is $\text{Ø}0.94-1.09$ [$\text{Ø}.037-.043$]. The plating thickness is 2.54 [100] mils. The hole depth is 5.30 [209] mils. The hole is located 5.08 [200] mils from the right edge. The hole is labeled "PLATED THROUGH HOLE". The hole is shown with a break symbol in the middle. The hole is shown with a break symbol in the middle. The hole is shown with a break symbol in the middle.

RECOMMENDED PCB LAYOUT

DIN - XXXCP X - XXX - XX

SH = 1 - 3 μ " Gold on Contact
120 - 200 μ " Matte Tin on Terminal

FJ = 10 - 20 μ " Gold on Contact
120 - 200 μ " Matte Tin on Terminal

KR = 30 - 40 μ " Gold on Contact
120 - 200 μ " Matte Tin on Terminal

HM = 3 μ " Gold on Contact, 7 μ " Min. PdNi
120 - 200 μ " Matte Tin on Terminal

RR1 = 2.75 (.108) with "A" retention clips

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Sheet 3 of 3

800-225-5373

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