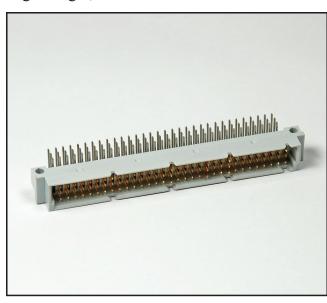
3M[™] DIN C Form Plug

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

TS-2305-E 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: $\leq 20 \text{ m}\Omega$

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

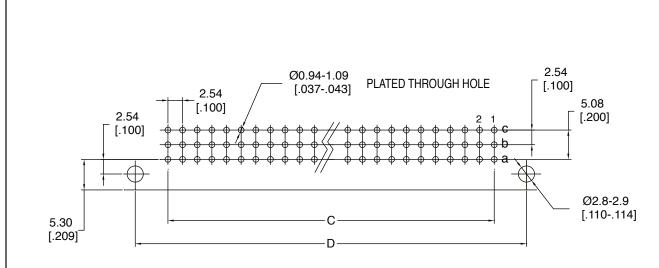
Process Temperature Rating: Maximum Insulator Temperature 191°C (solder wave process only)

UL File No.: E68080



		Table 1			
Contact Quantity	Part Number	А	В	С	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]
10.20 [.402] 1 2-02.6 [0.102]		15 20 20 D		5.	08 2.54 6.00 [.336 2.75 ± 0. [.108]
5.08		— A(Max.) — — — — — — — — — — — — — — — — — — —	<u>ი ი, ი, ი ი ი ი ი</u>	1.00	
PIN A1 - PIN B1 - PIN C1 - PIN		<u></u>			
PIN A1 PIN B1 PIN C1	.80 (50)		2.95 [.116]		mm [inch] Tolerance Unless Not XX m ± 0.50 ± 0.25 Dimension for Reference
PIN A1 PIN B1 PIN C1	SR1 WITHOUT RETENTION CLIP	WITH "B" RE			[inch] Tolerance Unless Not XX m ± 0.50 ± 0.25





RECOMMENDED PCB LAYOUT

