3M™ DIN C-Form Socket

Vertical, Solder Tail or Press-Fit Termination

DIN 41612 Series



- Multi-pin count socket compatible with VME, Multibus II, and VXI backpanels
- Expanded pin counts
- Optional press-fit or solder tail termination
- Mates with C-form and R-form plugs
- Optional retention clip
- 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-2306-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

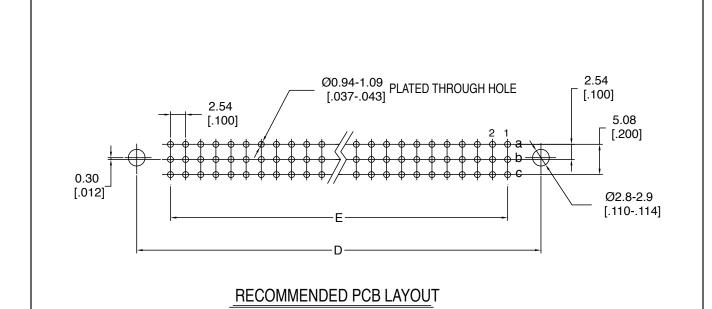
Process Temperature Rating: Maximum Insulator Temperature 191°C (solder wave process only)

UL File No.: E68080



		Table 1				
Contact Quantity	Part Number	A	В	D	E	
16	DIN-016CSA-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	
32	DIN-032CSB-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	
48	DIN-048CSC-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	
32	DIN-032CSD-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	
16	DIN-016CSE-XXX-XXXX	54.40 [2.142]	44.40 [1.748]	50.00 [1.969]	38.10 [1.500]	
32	DIN-032CSA-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	
64	DIN-064CSB-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	
96	DIN-096CSC-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	
64	DIN-064CSD-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	
32	DIN-032CSE-XXX-XXXX	95.00 [3.740]	85.00 [3.346]	90.00 [3.543]	78.74 [3.100]	
TIL C L	eit tails		SOLDER TAILS	c	2.54 [.100] 5.08 [.200]	
POSITION C1— POSITION B1 POSITION A1— 5.08 2-02.8 [.200] [0.110]M	2.54 [.100] 	A D D D D D D D D D D D D D D D D D D D	601012016016016018016 60101201801613016018018 80101601801018018018018	1.00 [.039]		
				m		.X> - 0.
		3.80 (.150)			51.0.51.151.1100	J
						TS-2

Vertical, Solder Tail or Press-Fit Termination



Ordering Information

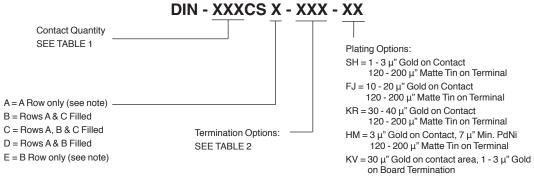


Table 2						
SOLDER TERMINATION OPTION NO.	DIM "C" mm (in)	Comments				
R1L	3.75 (.148)	with Retention Clips				
R3L	2.29 (.090)	with Retention Clips				
S1L	3.75 (.148)	no Retention Clips				
S3L	2.29 (.090)	no Retention Clips				
W	14.70 (.579)	no Retention Clips				
PRESS-FIT TERMINATION OPTION NO.						
PS	5.99 (.236)					
PSL	4.25 (.167)					
PW1	12.90 (.508)					

Note: A and E options are not currently covered in UL File No. E68080

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