

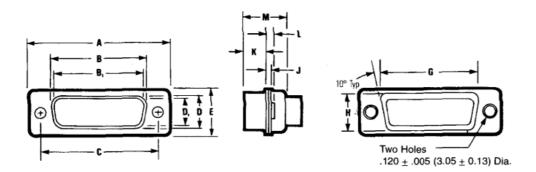
Datasheet

25 Way Right Angle Through Hole Mount PCB D-sub Connector

RS Stock 470-897



Dimensions: (mm)



Mating Side

Termination Side

Shell	c	onnector	_	.015" 8mm)	B <u>+</u> .0 (0.25			.005" 3 mm)	C±.((0.13	005" 3mm)	_	.010" 5mm)		<u>+</u> .010" 5mm)		.010" 5mm)
Size	Positions	Туре	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
E	9	Plug	1.213	30.81			.666	16.90	0.984	24.99			.329	8.40	.494	12.55
		Socket	1.213	30.81	.640	16.26			0.984	24.99	.308	7.82			.494	12.55
Α	15	Plug	1.541	39.14			.994	25.30	1.312	33.32			.329	8.40	.494	12.55
		Socket	1.541	39.14	.968	24.59			1.312	33.32	.308	7.82			.494	12.55
в	25	Plug	2.088	53.04			1.534	39.00	1.852	47.04			.329	8.40	.494	12.55
		Socket	2.088	53.04	1.508	38.30			1.852	47.04	.308	7.82			.494	12.55
С	37	Plug	2.729	69.32			2.182	55.40	2.500	63.50			.329	8.40	.494	12.55
		Socket	2.729	69.32	2.156	54.76			2.500	63.50	.308	7.82			.494	12.55
D	50	Plug	2.635	66.93			2.079	52.80	2.406	61.11			.436	8.40	.605	15.37
		Socket	2.635	66.93	2.062	52.34			2.406	61.11	.420	7.82			.605	15.37



Features

- Standards RS232 interface
- Bright tin finish & grounding indents available for EMI/RFI shielding
- Meets Dimensional requirements of MIL-C-24308, BS9523, F0018 & DIN 41652
- UL 94V-0 rated insulators
- Compatible with all other D sub-miniatures

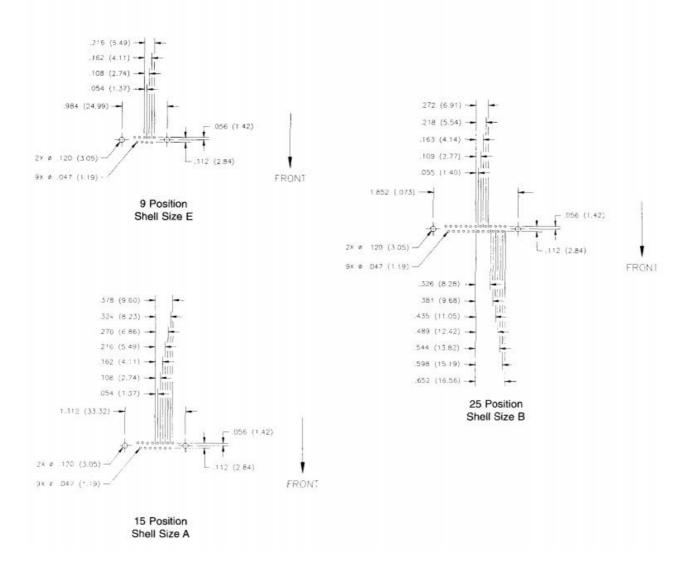
Technical Data

Termination Options Number of Contacts Maximum Insertion & Extraction Force Performance Level Wire Accommodation Plug Contact Material Socket Contact Material Current rating	Solder Bucket, Flow Solder Straight & 90° Wire ware 9 15 25 37 50 30 50 83 123 167N 1, 2 or 3 ≤ 0.5 mm² (20AWG) Copper Alloy Copper Alloy 5A	Proof Voltage Working Voltage Contact Resistance Insulation Resistance Temperature Range Insulator Materials Shell Materials	2.5 Kv d.c. or a.c. peak 750V d.c. or a.c. peak $5 \times 10^{-3} \Omega \max$ $\ge 5 \times 10^{9} \Omega$ -55° to +125°C GF Polyester. UL 94V-0 Rated Steel - Zinc plated with yellow chromate passivation include bright tin finish
D B Series Prefix Shell Size Mounting Type Contact Arrangement Contact Type Termination Style Shell Finish Performance Level		Contact Arrangement Y No designation Contact Arrangement Contact Type Termination Style 90° Flow 1AON 1AIN 1A2N 1ASN 5 For reve to shell, *Please mountin Straight Flow Solder 0L2 CL2 CL2 CL2 CL2 CL2 CL2 CL2 CL2 CL2 C	4-40 rivnut for rear panel mounting M3 rivnut for rear panel mounting with female screw locks fitted 4-40 clinch-out for rear panel mounting with locking feature for high vibration applications Float mount for rear panel mounting Universal float mount 0° 500 mm mounting hole 0° Flow Solder versions are not available with float mounts 5, 37 or 50 w Solder European Footprint without brackets with plastic brackets and keeper moulding with metal mounting brackets* with plastic brackets swith keeper moulding with keeper moulding* with keeper moulding* with keeper moulding mackets and keeper moulding racket and keeper moulding rese orientation of contacts relative . replace N with R specify rivnuts or screw locks, g type B, P, or D (Rivnuts standard) Termination 0.6mm, 5.3mm Long As OL2 with vertical Board locks 4/40 threads
		Solder Bucket No desi Shell Finish T - TI - No designation - Performance Level 2 - 1 -	0.61mm square section pins for up to 3 wraps gnation required Bright tin Bright tin with grouding indents (plugs only) Zinc plated with yellow chromate passivation. DIN Class 2 Exceeds DIN Class 2 Performance level 3

ENGLISH



Standard Density D-subminiature Mounting Dimensions Board Layouts Footprints (Component side shown)



The footprints on this page are standard for all metal shell D-subminiature connectors.

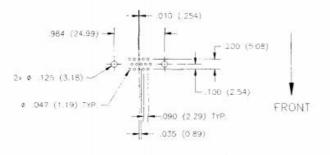
On all right-angle D-subminiature connectors, the short row of contacts is positioned closest to the edge of the board.

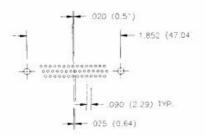
PC Board Lead Hole Size

Termin	Hole Dia.			
in	mm	in	mm	
.040	1.02	.055	1.40	
.030	0.76	.045	1.14	
.024025	0.61-0.64	.039	0.99	



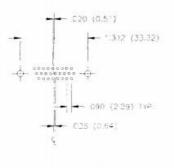
1.5 Density D-subminiature Recommended PCB Layout for Footprint (Component side shown)





15 Position - Shell Size E





26 Position - Shell Size A

62 Position - Shell Size C

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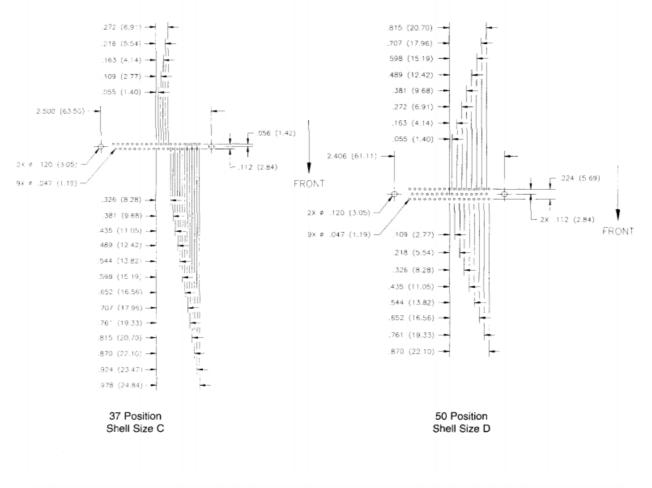
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