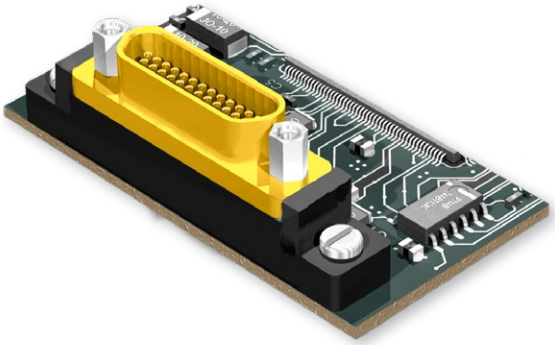
Micro-D MWDM-BS
Vertical Mount Thru-Hole
Printed Circuit Board Connectors



High Performance – These connectors feature gold-plated TwistPin contacts for best performance. PC tails are .020 inch diameter. Specify nickel-plated shells or cadmium plated shells for best availability.

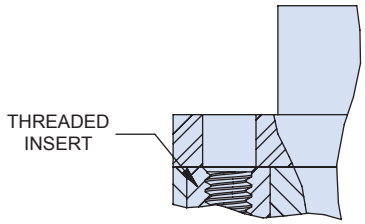
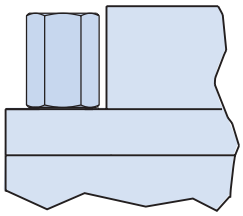
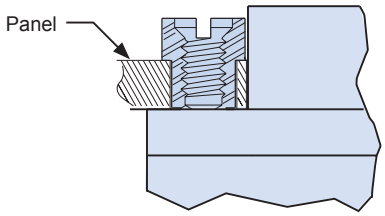
Solder-Dipped – Terminals are coated with Sn60/Pb40 tin-lead solder for best solderability. Optional gold-plated terminals are available for RoHS compliance.

Rear Mountable – Can be installed through panels up to .125 inch thick. Specify rear panel mount jackposts.

How To Order BS Vertical Style PCB Micro-D Connectors

Sample Part Number	MWDM	1	L	-15	P	BS	R3	T	-.110	-513
Series	**MWDM** Glenair Micro-D									
Shell Material and Finish	Aluminum Shell: **1** - Cadmium, **2** - Nickel, **4** - Black Anodize, **5** - Gold, **6** - Chem Film Stainless Steel Shell: **3** - Passivated									
Insulator Material	**L** - LCP or PPS LCP - 30% Glass-filled liquid crystal polymer PPS - 40% Glass-filled polyphenylene sulfide									
Contact Layout	**9**, **15**, **21**, **25**, **31**, **37**, **51**, **100** (See Table II)									
Contact Type	**P** - Pin **S** - Socket									
Termination Type	**BS** - Board Straight									
Jackpost Option	**Omit** - None **P** - Jackpost Jackposts for Rear Panel Mounting: **R1** - .032" Panel **R2** - .047" Panel **R3** - .062" Panel **R4** - .093" Panel **R5** - .125" Panel **R6** - .080" Panel (See Table I)									
Threaded Insert Option	**T** - Threaded Insert In Board Mount Hole **Omit** - for Thru-Hole									
Terminal Length in Inches	**.080**, **.110**, **.125**, **.140**, **.150**, **.172**, **.190**, **.250** Length in Inches ± .015 (0.38) (See Table II)									
Gold-Plated Terminal Mod Code	These connectors are solder-dipped in 60/40 tin-lead solder. To delete the solder dip and change to gold-plated terminals, add code **-513**									

Table I: Jackpost Options

No Designator	P	R1 Thru R6
		
Thru-Hole For use with Glenair jackposts only. Order hardware separately. Install with threadlocking compound.	Standard Jackpost Factory installed, not intended for removal.	Jackpost for Rear Panel Mounting Shipped loosely installed. Install with permanent threadlocking compund.

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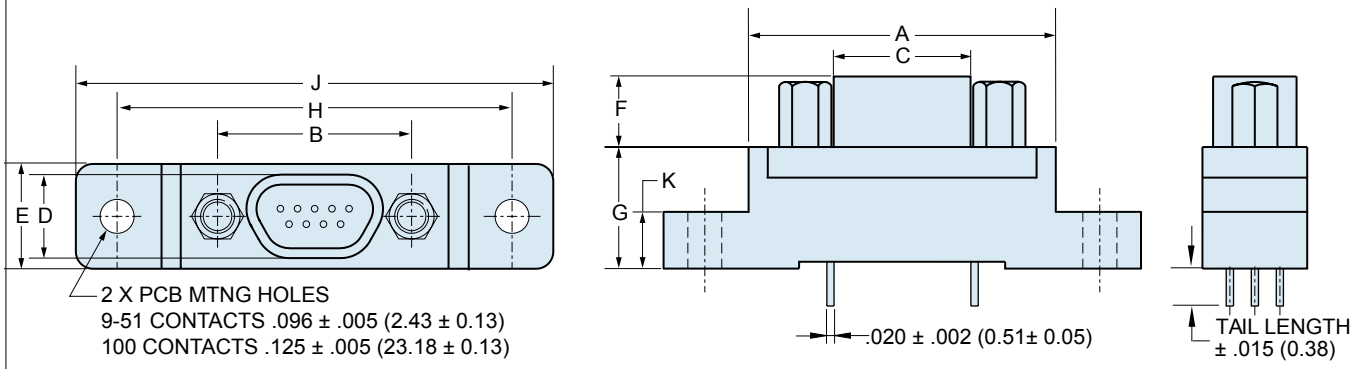
Micro-D MWDM-BS
Vertical Mount Thru-Hole
Printed Circuit Board Connectors

Table II: Dimensions



Layout	A Max.		B		C Max.		D Max.		E Max.		F		G		H		J Max.		K	
	In.	mm.	In. ±.003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In. ±.004	mm. ±0.10	In. ±.010	mm. ±0.25	In. ±.007	mm. ±0.18	In.	mm.	In. ±.010	mm. ±0.25
9P	.790	20.07	.565	14.35	.333	8.46	.184	4.67	.310	7.87	.183	4.65	.333	8.46	1.150	29.21	1.390	35.31	.155	3.94
9S	.790	20.07	.565	14.35	.400	10.16	.250	6.35	.310	7.87	.195	4.95	.333	8.46	1.150	29.21	1.390	35.31	.155	3.94
15P	.940	23.88	.715	18.16	.483	12.27	.184	4.67	.310	7.87	.183	4.65	.333	8.46	1.150	29.21	1.390	35.31	.155	3.94
15S	.940	23.88	.715	18.16	.551	14.00	.250	6.35	.310	7.87	.195	4.95	.333	8.46	1.150	29.21	1.390	35.31	.155	3.94
21P	1.180	29.97	.865	21.97	.633	16.08	.184	4.67	.310	7.87	.183	4.65	.333	8.46	1.450	36.83	1.690	42.93	.155	3.94
21S	1.180	29.97	.865	21.97	.701	17.81	.250	6.35	.310	7.87	.195	4.95	.333	8.46	1.450	36.83	1.690	42.93	.155	3.94
25P	1.275	32.39	.965	24.51	.733	18.62	.184	4.67	.310	7.87	.183	4.65	.333	8.46	1.500	38.10	1.740	44.20	.155	3.94
25S	1.275	32.39	.965	24.51	.801	20.35	.250	6.35	.310	7.87	.195	4.95	.333	8.46	1.500	38.10	1.740	44.20	.155	3.94
31P	1.575	40.01	1.115	28.32	.883	22.43	.184	4.67	.310	7.87	.183	4.65	.333	8.46	1.800	45.72	2.040	51.82	.155	3.94
31S	1.575	40.01	1.115	28.32	.951	24.16	.250	6.35	.310	7.87	.195	4.95	.333	8.46	1.800	45.72	2.040	51.82	.155	3.94
37P	1.875	47.63	1.265	32.13	1.033	26.24	.184	4.67	.310	7.87	.183	4.65	.333	8.46	2.100	53.34	2.340	59.44	.155	3.94
37S	1.875	47.63	1.265	32.13	1.101	27.96	.250	6.35	.310	7.87	.195	4.95	.333	8.46	2.100	53.34	2.340	59.44	.155	3.94
51P	1.775	45.09	1.215	30.86	.983	24.97	.228	5.79	.351	8.92	.183	4.65	.333	8.46	2.000	50.80	2.270	57.64	.155	3.94
51S	1.775	45.09	1.215	30.86	1.051	26.70	.296	7.52	.351	8.92	.195	4.95	.333	8.46	2.000	50.80	2.270	57.64	.155	3.94
100P	2.585	65.66	1.800	45.72	1.383	35.13	.270	6.86	.460	11.68	.183	4.65	.525	13.34	2.800	71.12	3.250	82.55	.293	7.44
100S	2.585	65.66	1.800	45.72	1.451	36.86	.333	8.46	.460	11.68	.195	4.95	.525	13.34	2.800	71.12	3.250	82.55	.293	7.44

Performance Specifications	
Current Rating	3 AMP
DWV	600 VAC Sea level
Insulation Resistance	5000 Megohms Minimum
Contact Resistance	8 Milliohms Maximum
Low Level Contact Resist.	32 Milliohms Maximum
Magnetic Permeability	2 **µ** Maximum
Operating Temperature	-55° C. to +150° C.
Shock, Vibration	50 g., 20g.
Mating Force	(10 Ounces) X (# of Contacts)

Materials and Finishes	
Connector Shell	Aluminum Alloy 6061 or Stainless Steel, 300 Series, passivated. See Ordering Info for Plating Options
Insulator, Tray	Liquid Crystal Polymer (LCP)/ Polyphenylene Sulfide (PPS)
Interfacial Seal	Fluorosilicone Rubber, Blue
Pin Contact	Copper Alloy, Gold over Nickel Plating
Socket Contact	Copper Alloy, Gold Over Nickel Plating
PCB Terminals	Gold Plated Copper Alloy, Solder Dipped
Hardware	300 Series Stainless Steel
Encapsulant	Epoxy Resin Hysol EE4215

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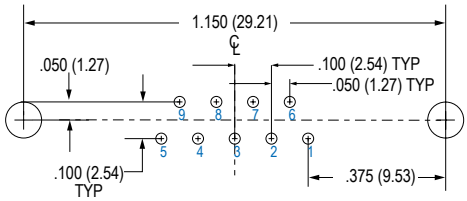
Micro-D MWDM-BS
Vertical Mount Thru-Hole
Printed Circuit Board Connectors

MICRO-D BS Board Mount Connector PCB Layouts – Pin Connectors

Patterns shown are for connector mounting side of PC board. 9 Thru 51 Contacts .096 (2.44) Diameter Mounting Holes, 100 Pin .125 (3.18) Diameter



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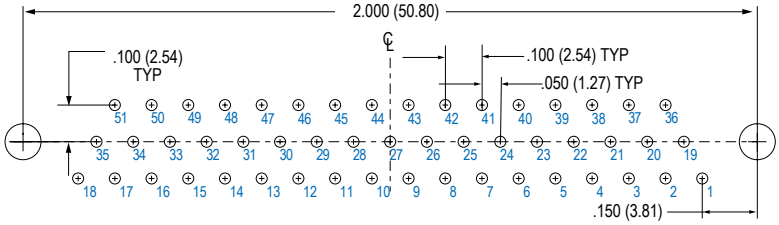

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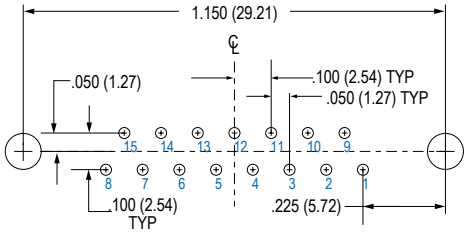

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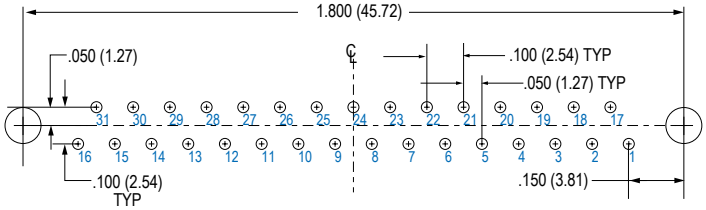

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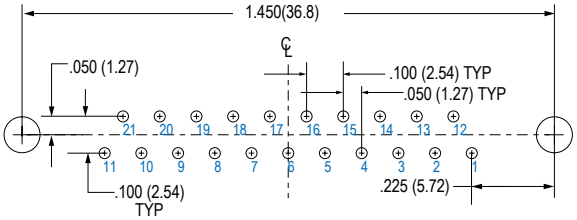

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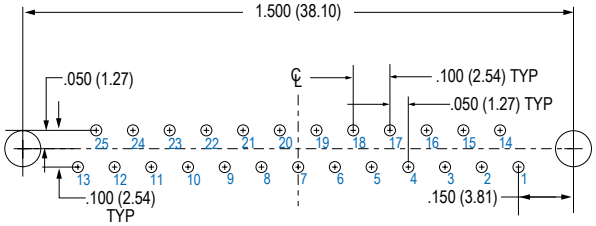
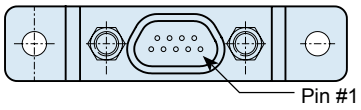
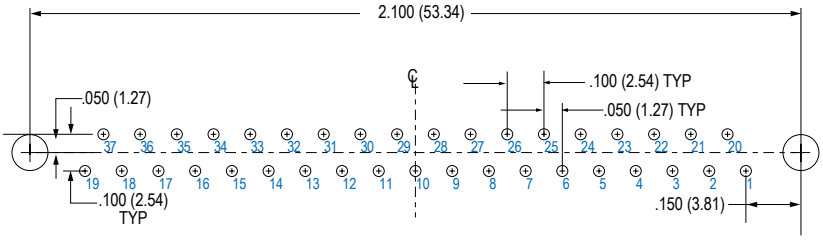


25 PIN

Connector Orientation





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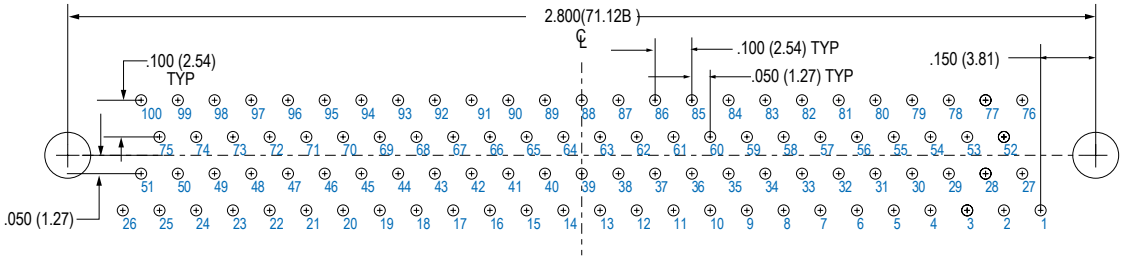

100 PIN

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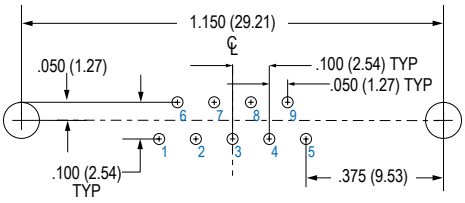
MICRO-D BS Board Mount Connector PCB Layouts – Socket Connectors

Patterns shown are for connector mounting side of PC board. 9 Thru 51 Contacts .096 (2.44) Diameter Mounting Holes, 100 Pin .125 (3.18) Diameter



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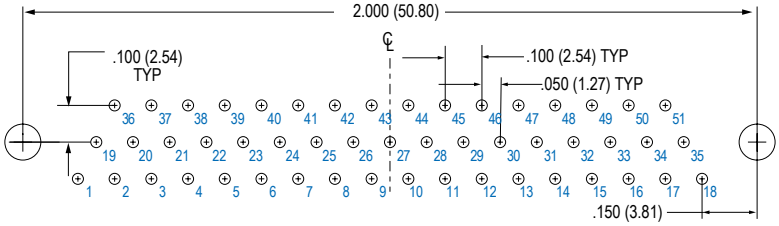

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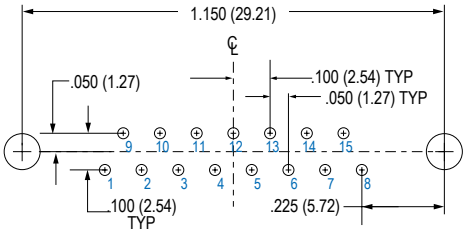

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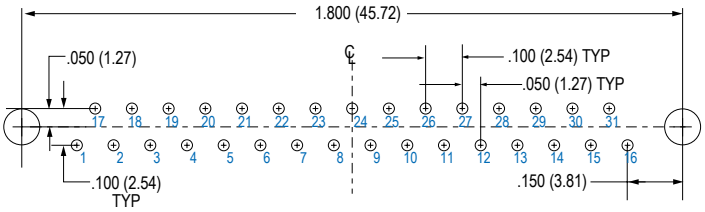

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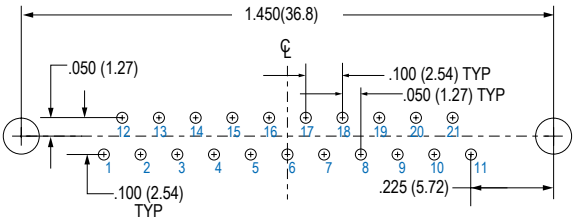

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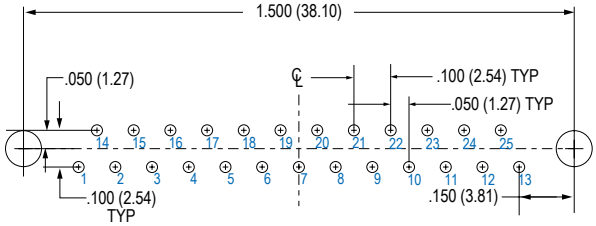
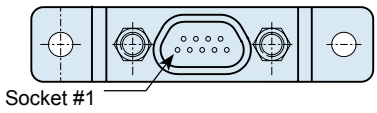
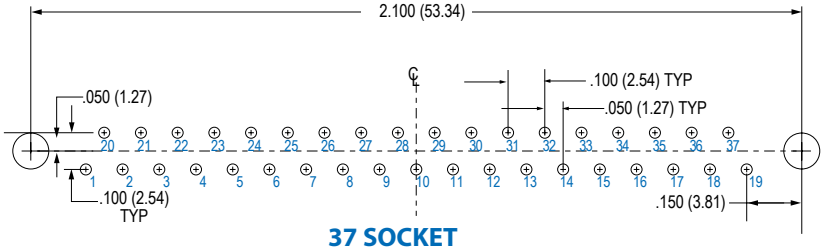


25 SOCKET

Connector Orientation





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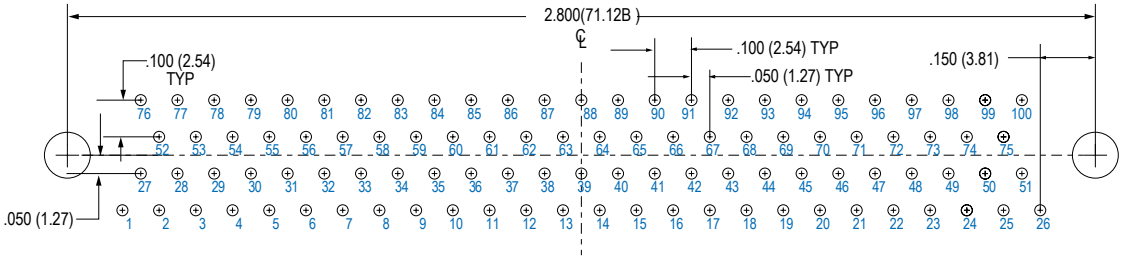

100 SOCKET

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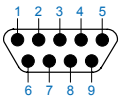
Micro-D Contact Arrangements

Face View Pin Connector – Micro-D Contact Arrangements



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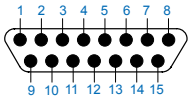

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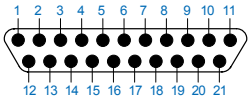

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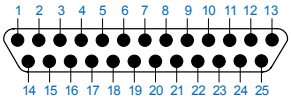

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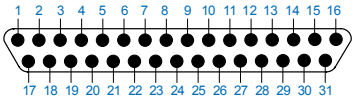

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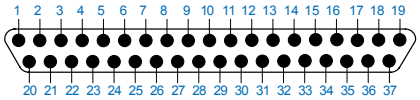

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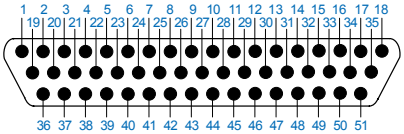

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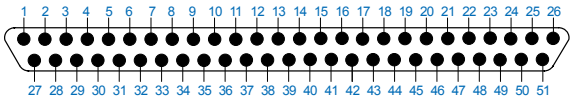
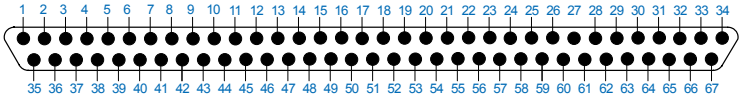
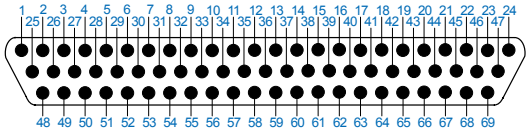


51 pin (special 2 row)



67 pin



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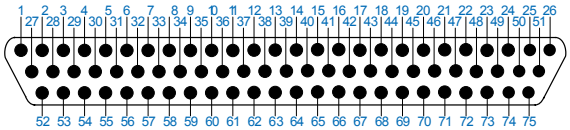
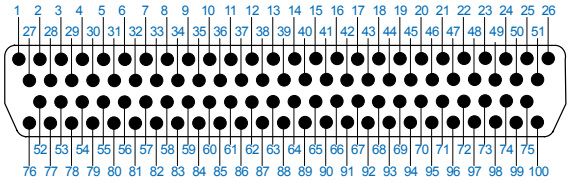
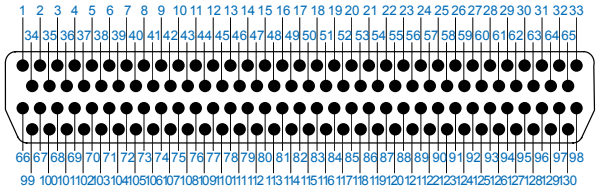


75 pin



100 pin



130 pin

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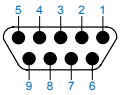
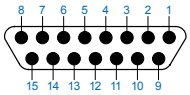
Micro-D Contact Arrangements

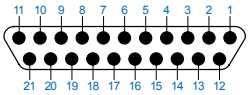
Face View Socket Connector – Micro-D Contact Arrangements



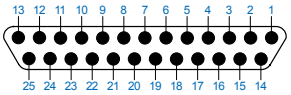
9 socket



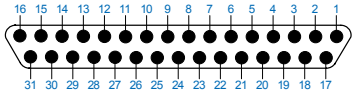
15 socket



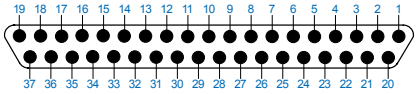
21 socket



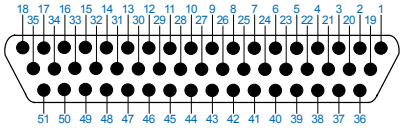
25 socket



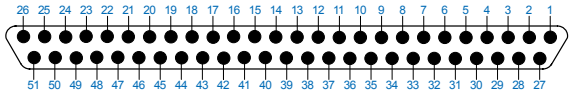
31 socket



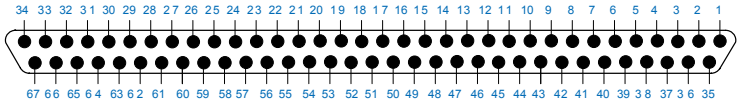
37 socket



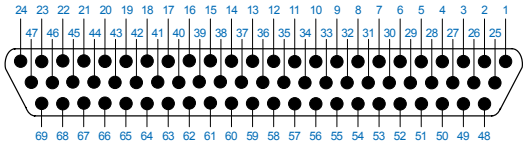
51 socket



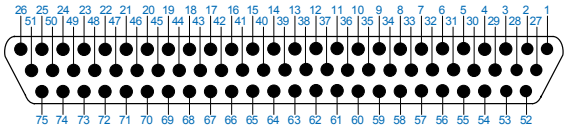
51 socket (special 2 row)



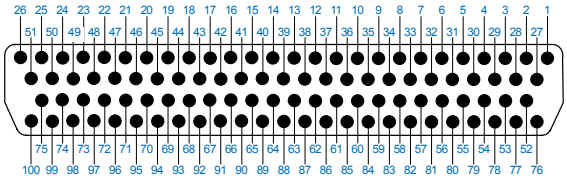
67 socket



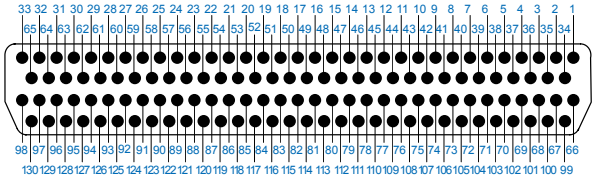
69 socket



75 socket



100 socket



130 socket

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