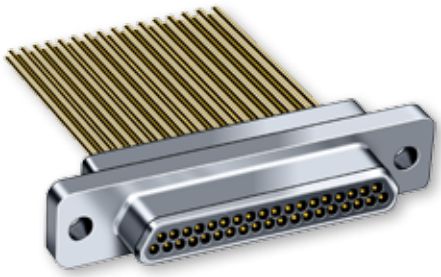
Micro-D MWDM Metal Shell Uninsulated Wire Connector



Micro-D Uninsulated Pigtails–These connectors feature gold-plated TwistPin contacts and mil spec crimp termination to gold-plated solid copper wire. Suitable for soldering or splicing applications, the wire leads can be ordered either gold-plated or solder-dipped.

New One-Piece Socket Contact–An "integral tail" socket contact is now standard on all socket connectors ordered with 24 AWG or 25 AWG, up to one inch of wire. This phospher bronze contact eliminates the crimp joint and offers greater rigidity.

How To Order Uninsulated Wire Micro-D Connectors

Sample Part Number	MWDM	2	L-	37	P-	5	C	4-	.250	M
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**, **51-2**, **67**, **69**, **75**, **100**, **130** (See Table II)									
Contact Type	**P** – Pin **S** – Socket									
Wire Gage (AWG)	**4** – #24 (.020") **5** – #25 (.018") **6** – #26 (.016")									
Wire Type	**C** – Solid Copper									
Wire Finish	**3** – Solder-Dipped Sn 60/40 **4** – Gold									
Wire Length (Inches)	**.125**, **.250**, **.375**, **.500**, **.750**, **1.000**, **2.000** Wire Length In Inches. ".500" Specifies Half Inch.									
Hardware	**B**, **P**, **M**, **M1**, **S**, **S1**, **L**, **K**, **F**, **R**, **H** (See Table I)									

Table I: Mounting Hardware

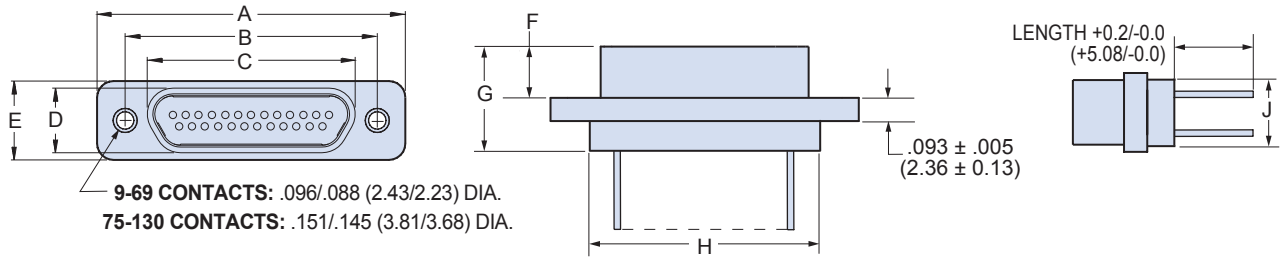
B	P	M	M1	S	S1	L	K	F	R	H
										
Thru-Hole	Jackpost	Hex Head Jackscrew	Hex Head Jackscrew, Extended	Slot Head Jackscrew	Slot Head Jackscrew, Extended	Hex Head Jackscrew Non-Removable	Slot Head Jackscrew Non-Removable Extended	Float Mount For Front Panel Mounting	Float Mount For Rear Panel Mounting	Threaded Insert

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Micro-D MWDM Metal Shell
Uninsulated Wire Connector

Table II: Dimensions



Layout	A Max.		B		C Max.		D Max.		E Max.		F		G Max.		H Max.		J Max.	
	In.	mm.	In . ± .003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.	In. ± .003	mm. ± 0.08	In.	mm.	In.	mm.	In.	mm.
9P	.785	19.9	.565	14.4	.333	8.5	.184	4.7	.308	7.82	.183	4.65	.416	10.57	.400	10.2	.270	6.86
9S	.785	19.9	.565	14.4	.400	10.2	.250	6.35	.308	7.82	.195	4.95	.429	10.90	.400	10.2	.270	6.86
15P	.935	23.8	.715	18.2	.483	12.3	.184	4.7	.308	7.82	.183	4.65	.416	10.57	.550	14.0	.270	6.86
15S	.935	23.8	.715	18.2	.551	14.00	.250	6.4	.308	7.82	.195	4.95	.429	10.90	.550	14.0	.270	6.86
21P	1.085	27.6	.865	22.0	.633	16.0	.184	4.7	.308	7.82	.183	4.65	.416	10.57	.700	17.8	.270	6.86
21S	1.085	27.6	.865	22.0	.701	17.8	.250	6.4	.308	7.82	.195	4.95	.429	10.90	.700	17.8	.270	6.86
25P	1.185	30.0	.965	24.5	.733	18.6	.184	4.7	.308	7.82	.183	4.65	.416	10.57	.800	20.3	.270	6.86
25S	1.185	30.0	.965	24.5	.801	20.4	.250	6.4	.308	7.82	.195	4.95	.429	10.90	.800	20.3	.270	6.86
31P	1.335	33.9	1.115	28.3	.883	22.4	.184	4.7	.308	7.82	.183	4.65	.416	10.57	.950	24.1	.270	6.86
31S	1.335	33.9	1.115	28.3	.951	24.2	.250	6.4	.308	7.82	.195	4.95	.429	10.90	.950	24.1	.270	6.86
37P	1.485	37.7	1.265	32.1	1.033	26.2	.184	4.7	.308	7.82	.183	4.65	.416	10.57	1.100	27.9	.270	6.86
37S	1.485	37.7	1.265	32.1	1.101	28.0	.250	6.4	.308	7.82	.195	4.95	.429	10.90	1.100	27.9	.270	6.86
51P	1.435	36.5	1.215	30.9	.983	28.0	.228	5.8	.351	8.92	.183	4.65	.416	10.57	1.050	26.7	.310	7.87
51S	1.435	36.5	1.215	30.9	1.051	27.0	.296	7.5	.351	8.92	.195	4.95	.429	10.90	1.050	26.7	.310	7.87
51-2P	1.835	46.6	1.615	41.0	1.384	35.0	.184	4.7	.308	7.82	.183	4.65	.416	10.57	1.450	36.8	.270	6.86
51-2S	1.835	46.6	1.615	41.0	1.450	36.8	.250	6.4	.308	7.82	.195	4.95	.429	10.90	1.450	36.8	.270	6.86
67P	2.235	56.8	2.015	51.2	1.784	45.3	.184	4.7	.310	7.87	.183	4.65	.416	10.57	1.850	47.0	.270	6.86
67S	2.235	56.8	2.015	51.2	1.850	46.99	.250	6.4	.310	7.87	.195	4.95	.429	10.90	1.850	47.0	.270	6.86
69P	1.735	44.1	1.515	38.5	1.284	32.61	.228	5.8	.351	8.92	.183	4.65	.416	10.57	1.350	34.3	.310	7.87
69S	1.735	44.1	1.515	38.5	1.350	34.29	.296	7.5	.351	8.92	.195	4.95	.429	10.90	1.350	34.3	.310	7.87
75P	2.08	52.8	1.705	43.3	1.384	35.154	.228	5.8	.351	8.9	.183	4.6	.416	10.6	1.44	36.6	.310	7.9
75S	2.08	52.8	1.705	43.3	1.45	36.83	.296	7.5	.351	8.9	.195	5.0	.429	10.9	1.44	36.6	.310	7.9
100P	2.170	55.1	1.800	45.7	1.383	35.13	.270	6.9	.394	10.01	.183	4.65	.416	10.57	1.442	36.6	.360	9.14
100S	2.170	55.1	1.800	45.7	1.451	36.86	.333	8.5	.394	10.01	.195	4.95	.429	10.90	1.442	36.6	.360	9.14
130P	2.52	64.0	2.15	54.6	1.735	44.1	.270	6.86	.394	10.01	0.183	4.65	.416	10.57	1.780	45.21	.360	9.14
130S	2.52	64.0	2.15	54.6	1.795	45.6	.333	8.5	.394	10.01	0.195	4.95	.429	10.90	1.780	45.21	.360	9.14

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	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
Hardware	300 Series Stainless Steel
Encapsulant	Epoxy Resin Hysol EE4215

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