

# MLDM Low Profile Metal Shell Micro-D Insulated Wire Termination



Micro-D Double and Triple Row



Low profile MLDM connectors have reduced flange height compared to standard MWDM Micro-D connectors. These .050" pitch Micro-D connectors are supplied with stranded mil spec hookup wire. Contacts are crimped to wire and potted with epoxy. Pin contacts are gold-plated high performance TwistPin type and are recessed into insulator to prevent damage. Socket contacts are gold plated, machined copper alloy. Machined aluminum shell. Glass-filled high temperature LCP thermoplastic insulators. M22759/11 standard wire, or M22959/33 lightweight, high strength space grade wire. Meets performance requirements of MIL-DTL-83513. Available with 9 to 51 contacts. 3 A., 600 Vac, -55°C to +150°C.

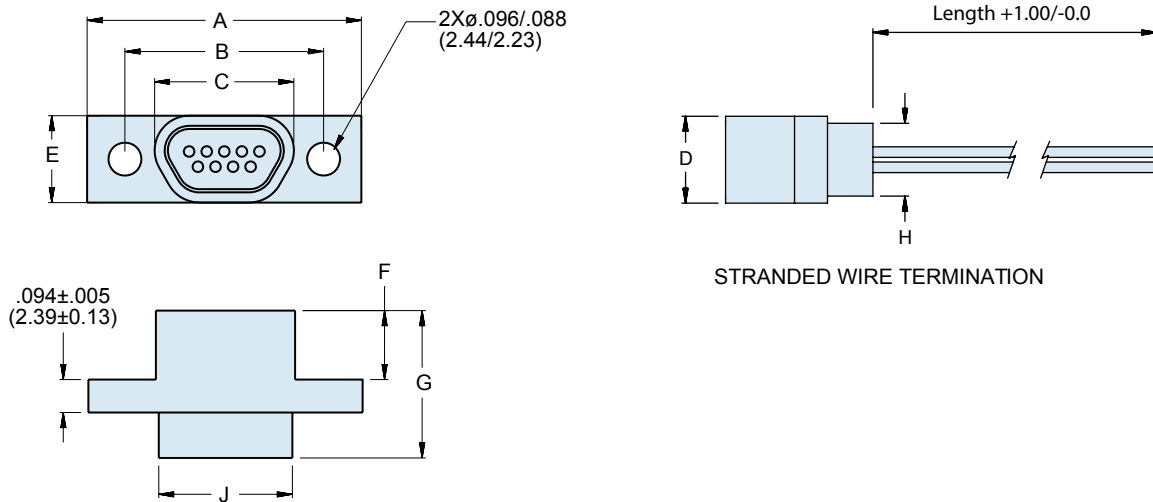
How To Order Insulated Wire Connector	
<b>Sample Part Number</b>	<b>MLDM2L -31 P -6 K 5 -18 M</b>
<b>Series</b>	<p><b>MLDM1L</b> Low Profile Metal Shell Micro-D With Yellow Chromate Over Cadmium Finish</p> <p><b>MLDM2L</b> Low Profile Metal Shell Micro-D With Electroless Nickel Shell Finish</p> <p><b>MLDM32L</b> Low Profile Metal Shell Micro-D With Black Zinc Nickel Shell Finish</p> <p><b>MLDM33L</b> Low Profile Metal Shell Micro-D With Nickel-Fluorocarbon Shell Finish</p>
<b>Contact Layout</b>	<b>9, 15, 21, 25, 31, 37, 51, 51-2</b> (See Table II)
<b>Contact Type</b>	<b>P</b> - Pin <b>S</b> - Socket
<b>Wire Gage (AWG)</b>	<b>4</b> - #24 <b>6</b> - #26 <b>8</b> - #28 <b>0</b> - #30 (J wire type only)
<b>Wire Type</b>	<p><b>K</b> Standard Wire Extruded PTFE per M22759/11, Silver-Plated Conductors</p> <p><b>J</b> Space Grade Wire High Strength, Lightweight, Crosslinked Modified ETFE per M22759/33, Silver-Plated Conductors</p>
<b>Wire color Code</b>	<b>1</b> - White <b>5</b> - Color-Coded per MIL-STD-681 <b>7</b> - 10 Color Repeat (Wires are solid color per MIL-STD-681 color code system.)
<b>Wire Length</b>	Wire Length In Inches Example: <b>18</b> = 18 inches;
<b>Mounting Hardware</b>	<b>B, M, M1, S, S1, L, F, H, P, K, R</b>

Table I: Mounting Hardware										
B	P	M	M1	S	S1	L	K	F	R	H
Thru-Hole	Jackpost #2-56	Hex Head Jackscrew #2-56	Hex Head Jackscrew, Extended #2-56	Slot Head Jackscrew #2-56	Slot Head Jackscrew, Extended #2-56	Hex Head Jackscrew Non-Removable #2-56	Slot Head Jackscrew Non-Removable Extended #2-56	Float Mount For Front Panel Mounting	Float Mount For Rear Panel Mounting	Threaded Insert #2-56



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Table II: Dimensions



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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.
<b>9P</b>	.788	20.02	.565	14.35	.292	7.42	.134	3.40	.218	5.54	.199	5.05	.390	9.91	.175	4.45	.405	10.29
<b>9S</b>	.788	20.02	.565	14.35	.380	9.65	.218	5.54	.218	5.54	.180	4.57	.377	9.58	.175	4.45	.405	10.29
<b>15P</b>	.938	23.83	.715	18.16	.442	11.23	.134	3.40	.218	5.54	.199	5.05	.390	9.91	.175	4.45	.555	14.10
<b>15S</b>	.938	23.83	.715	18.16	.530	13.46	.218	5.54	.218	5.54	.180	4.57	.377	9.58	.175	4.45	.555	14.10
<b>21P</b>	1.088	27.64	.865	21.97	.592	15.04	.134	3.40	.218	5.54	.199	5.05	.390	9.91	.175	4.45	.705	17.91
<b>21S</b>	1.080	27.64	.865	21.97	.680	17.27	.218	5.54	.218	5.54	.180	4.57	.377	9.58	.175	4.45	.705	17.91
<b>25P</b>	1.188	30.18	.965	24.51	.692	17.58	.134	3.40	.218	5.54	.199	5.05	.390	9.91	.175	4.45	.805	20.45
<b>25S</b>	1.185	30.18	.965	24.51	.780	19.81	.218	5.54	.218	5.54	.180	4.57	.377	9.58	.175	4.45	.805	20.45
<b>31P</b>	1.338	33.99	1.115	28.32	.842	21.39	.134	3.40	.218	5.54	.199	5.05	.390	9.91	.175	4.45	.955	24.26
<b>31S</b>	1.338	33.99	1.115	28.32	.930	23.62	.218	5.54	.218	5.54	.180	4.57	.377	9.58	.175	4.45	.955	24.26
<b>37P</b>	1.488	37.80	1.265	32.13	.992	25.20	.134	3.40	.218	5.54	.199	5.05	.390	9.91	.175	4.45	1.105	28.07
<b>37S</b>	1.488	37.80	1.265	32.13	1.080	27.43	.218	5.54	.218	5.54	.180	4.57	.377	9.58	.175	4.45	1.105	28.07
<b>51P</b>	1.438	36.53	1.215	30.86	.942	23.93	.177	4.50	.260	6.60	.199	5.05	.390	9.91	.220	5.59	1.058	26.87
<b>51S</b>	1.438	36.53	1.215	30.86	1.030	26.16	.260	6.60	.260	6.60	.180	4.57	.377	9.58	.220	5.59	1.058	26.87
<b>51-2P</b>	1.835	46.61	1.615	41.02	1.340	34.04	.134	3.40	.218	5.54	.199	5.05	.390	9.91	.175	4.45	1.455	36.96
<b>51-2S</b>	1.835	46.61	1.615	41.02	1.425	36.20	.218	5.54	.218	5.54	.180	4.57	.377	9.58	.175	4.45	1.455	36.96

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