

# Low Profile Metal and Plastic Shell Micro-D MLDM Metal Shell Insulated Wire Pigtails



Micro-D  
Double and  
Triple Row

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



MLDM2L-31P-6K5-18M

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.

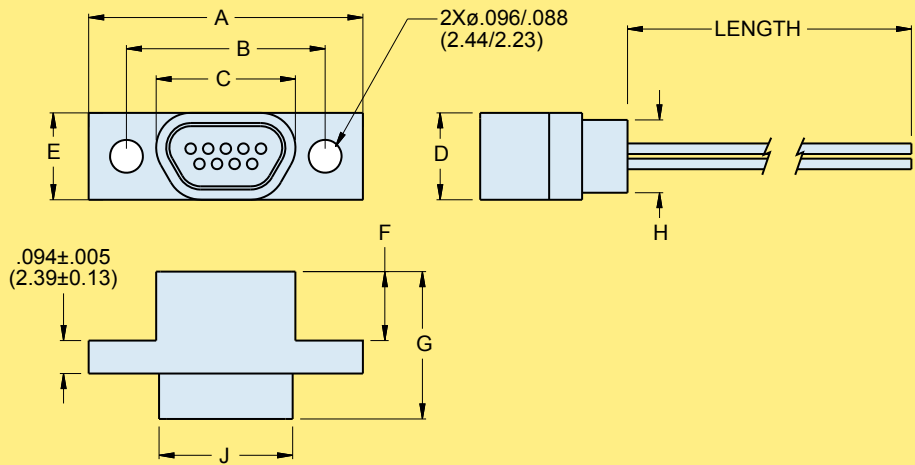
HOW TO ORDER							
Sample Part Number							
MLDM2L	-31	P	-6	K	5	-18	M
Series	No. of Contacts	Contact Type	Wire Gage (AWG)	Wire Type	Wire Color Code	Wire Length (Inches)	Mounting Hardware
<b>MLDM1L</b> Low Profile Metal Shell Micro-D with Yellow Chromate over <b>Cadmium</b> Finish	-9 -15 -21 -25 -31	<b>P</b> Pin Contacts	-4 #24	<b>K</b> Standard Wire	<b>1</b> White	Wire Length In Inches	<b>B</b> <b>M</b> <b>M1</b> <b>S</b> <b>S1</b> <b>L</b> <b>F</b> <b>H</b> <b>P</b> <b>K</b> <b>R</b>
<b>MLDM2L</b> Low Profile Metal Shell Micro-D with <b>Electroless Nickel</b> Shell Finish	-37 -51 -51-2	<b>S</b> Socket Contacts	-6 #26 -8 #28 -0 #30	Extruded PTFE per M22759/11, Silver-Plated Conductors (#30 AWG not available)  <b>J</b> Space Grade Wire  High Strength, Lightweight, Crosslinked Modified ETFE per M22759/33, Silver-Plated Conductors	<b>5</b> Color-Coded per MIL-STD-681  Wires 1-10 are solid color, 11-up are striped.  <b>7</b> 10 Color Repeat Wires are solid color per MIL-STD-681 color code system. Wires #1, #11, #21 are black, wires #2, #12, #22 are brown, and so on.	Example: <b>-18</b> 18 inches  6, 12 and 18 are frequently used lengths.	
<b>MLDM32L</b> Low Profile Metal Shell Micro-D with <b>Black Zinc Nickel</b> Shell Finish							
<b>MLDM33L</b> Low Profile Metal Shell Micro-D with <b>Nickel-Fluorocarbon</b> Shell Finish							

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	#2-56 Threaded Insert



# Low Profile Metal and Plastic Shell Micro-D MLDM Metal Shell Insulated Wire Pigtails

## MLDM INSULATED WIRE PIGTAIL DIMENSIONS



Layout	A Max.		B		C Max.		D Max.		E Max.		F		G Max.		H Max.		J Max.	
	In.	mm.	In. $\pm .003$	mm. $\pm 0.08$	In.	mm.	In.	mm.	In.	mm.	In. $\pm .003$	mm. $\pm 0.08$	In.	mm.	In.	mm.	In.	mm.
9P	.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
9S	.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
15P	.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
15S	.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
21P	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
21S	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
25P	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
25S	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
31P	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
31S	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
37P	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
37S	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
51P	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
51S	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
51-2P	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
51-2S	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