

Low Profile Metal and Plastic Shell Micro-D MLDM Metal Shell Solid Wire Termination



Micro-D
Double and
Triple Row

Low Profile MLDM Metal Shell Micro-D With Solid Wire



MLDM2L-31S-4C4-.250B

Low profile MLDM connectors have reduced flange height compared to standard MWDM Micro-D connectors. These .050" pitch Micro-D connectors are supplied with single strand copper 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. 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 | S | -4 | C | 4 | -.250 | B |
| Series | No. of Contacts | Contact Type | Wire Gage (AWG) | Wire Type | Wire Finish | Wire Length (Inches) | Mounting Hardware |
| MLDM1L Low Profile Metal Shell Micro-D with Yellow Chromate over Cadmium Finish | -9 -15 -21 -25 -31 | P Pin Contacts | -4 #24 | C Single Strand Copper | 3 Solder Dipped in 63/37 Tin-Lead | .125 .250 .500 1.000 1.500 2.000 | B M M1 S S1 L F H P K R |
| MLDM2L Low Profile Metal Shell Micro-D with Electroless Nickel Shell Finish | -37 -51 -51-2 | S Socket Contacts | -5 #25 -6 #26 | A-A-59551 Type S | 4 Gold-plated | Wire Length In Inches | |
| MLDM32L Low Profile Metal Shell Micro-D with Black Zinc Nickel Shell Finish | | | | | | | |
| MLDM33L Low Profile Metal Shell Micro-D with Nickel- Fluorocarbon Shell Finish | | | | | | | |

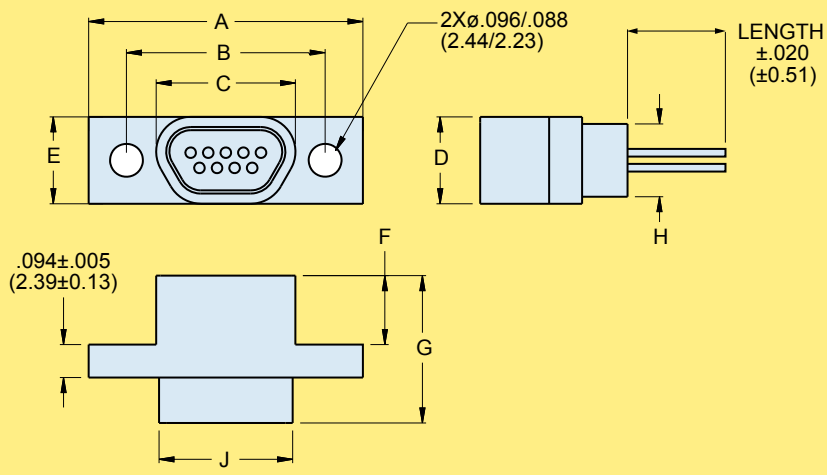
| MOUNTING HARDWARE | | | | | | | | | | |
|-------------------|-------------------|--------------------------------|---------------------------------------------|---------------------------------|----------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------|-----------------------------------|
| B | P | M | M1 | S | S1 | L | K | F | R | H |
| | | | | | | | | | | #2-56 Threaded Insert hardware"/> |
| 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 Solid Wire Termination

E

MLDM WITH SOLID WIRE 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 | .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 |