

MLDM Low Profile Metal Shell Micro-D Right Angle PCB Termination



Micro-D Double
and Triple Row



MLDM2L-25SCBRPT-110

Low profile MLDM connectors have reduced flange height compared to standard MWDM Micro-D connectors. These thru-hole "CBR" style Micro-D connectors have gold-plated PC tails on .100" centers. Connectors are backfilled 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. Gold-plated PC tails. Machined aluminum shell, stainless steel hardware. Optional #2-56 threaded inserts in board mounting holes. Glass-filled LCP thermoplastic insulators and tray withstand immersion in +260°C solder for 10 seconds. 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 Right Angle PCB Connector

| Sample Part Number | MLDM2L | -21 | S | CBR | P | T | -110 | -513 |
|--------------------------------------|--|-----|---|-----|---|---|------|------|
| Series | MLDM1L Low Profile Metal Shell Micro-D With Yellow Chromate Over Cadmium Finish MLDM32L Low Profile Metal Shell Micro-D With Black Zinc Nickel Shell Finish MLDM2L Low Profile Metal Shell Micro-D With Electroless Nickel Shell Finish MLDM33L Low Profile Metal Shell Micro-D With Nickel-Fluorocarbon Shell Finish | | | | | | | |
| Contact Layout | 9, 15, 21, 25, 31, 37, 51 (See Table II) | | | | | | | |
| Contact Type | P - Pin Contacts S - Socket Contacts | | | | | | | |
| Termination Type | CBR - Condensed Board Right Angle | | | | | | | |
| Hardware Option | (Omit for None) Jackposts for Rear Panel Mounting P - Jackpost R1 - .032" Panel R2 - .047" Panel R3 - .062" Panel (See Table I) R4 - .093" Panel R5 - .125" Panel R6 - .125" Panel | | | | | | | |
| Threaded Insert Option | Omit - For Thru-Holes T - Threaded Inserts in Board Mounting Holes. #2-56 Female Thread. M - Threaded Inserts in Board Mounting Holes. M2 Metric Thread. | | | | | | | |
| PC Tail Length | -110, -125, -150, -190, -250 | | | | | | | |
| Gold-Plated Terminal Mod Code | Omit - These connectors are solder-dipped in 60/40 tin lead solder. To delete the solder dip and change to gold-plated terminal add code 513 | | | | | | | |

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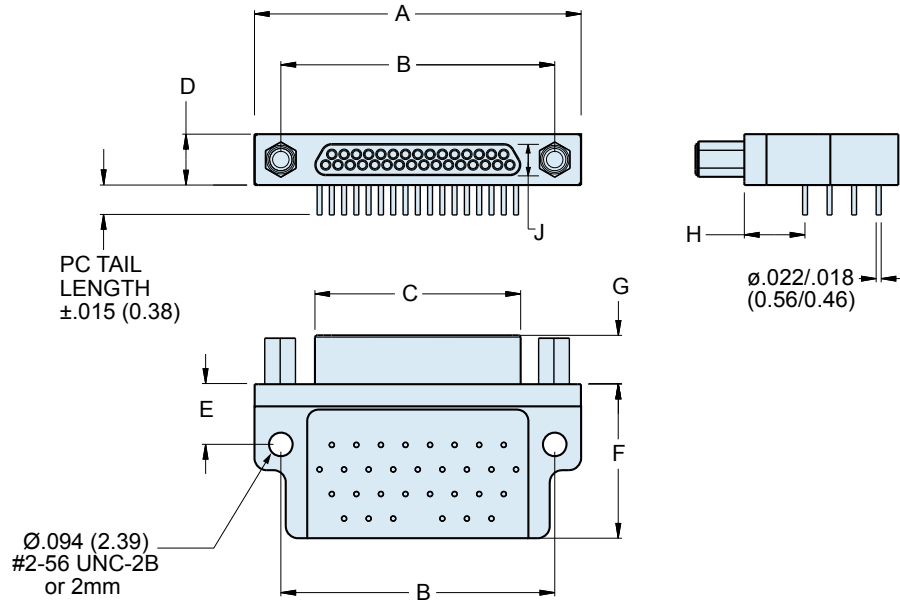
Table I: Jackpost Options

| No Designator | P | R1 Thru R6 |
|---|---|---|
| <p>THREADED INSERT</p> | | <p>Panel</p> |
| 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 compound. |



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Table II: Dimensions



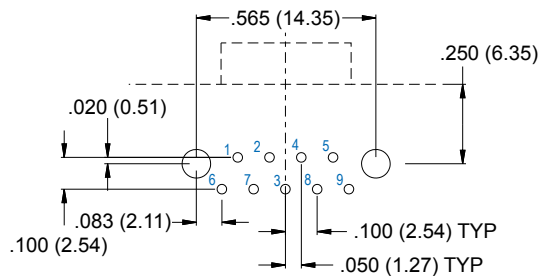
| Layout | A Max. | | B | | C Max. | | D Max. | | E | | F Max. | | G Max. | | H | | J Max. | |
|--------|--------|-------|--------------|---------------|--------|-------|--------|------|------|------|--------|-------|--------|------|--------------|---------------|--------|------|
| | In. | mm. | In. ±.003 | mm. ± 0.08 | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. | mm. | In. ±.010 | mm. ± 0.25 | In. | mm. |
| 9P | .788 | 20.02 | .565 | 14.35 | .292 | 7.42 | .218 | 5.54 | .250 | 6.35 | .425 | 10.80 | .202 | 5.13 | .230 | 5.84 | .134 | 3.40 |
| 9S | .788 | 20.02 | .565 | 14.35 | .380 | 9.65 | .218 | 5.54 | .250 | 6.35 | .425 | 10.80 | .185 | 4.70 | .230 | 5.84 | .218 | 5.54 |
| 15P | .938 | 23.83 | .715 | 18.16 | .442 | 11.23 | .218 | 5.54 | .250 | 6.35 | .425 | 10.80 | .202 | 5.13 | .130 | 3.30 | .134 | 3.40 |
| 15S | .938 | 23.83 | .715 | 18.16 | .530 | 13.46 | .218 | 5.54 | .250 | 6.35 | .425 | 10.80 | .185 | 4.70 | .130 | 3.30 | .218 | 5.64 |
| 21P | 1.088 | 27.64 | .865 | 21.97 | .592 | 15.04 | .218 | 5.54 | .250 | 6.35 | .425 | 10.80 | .202 | 5.13 | .130 | 3.30 | .134 | 3.40 |
| 21S | 1.080 | 27.64 | .865 | 21.97 | .680 | 17.27 | .218 | 5.54 | .250 | 6.35 | .425 | 10.80 | .185 | 4.70 | .130 | 3.30 | .218 | 5.64 |
| 25P | 1.188 | 30.18 | .965 | 24.51 | .692 | 17.58 | .218 | 5.54 | .250 | 6.35 | .425 | 10.80 | .202 | 5.13 | .130 | 3.30 | .134 | 3.40 |
| 25S | 1.185 | 30.18 | .965 | 24.51 | .780 | 19.81 | .218 | 5.54 | .250 | 6.35 | .425 | 10.80 | .185 | 4.70 | .130 | 3.30 | .218 | 5.64 |
| 31P | 1.338 | 33.99 | 1.115 | 28.32 | .842 | 21.39 | .218 | 5.54 | .250 | 6.35 | .525 | 13.34 | .202 | 5.13 | .130 | 3.30 | .134 | 3.40 |
| 31S | 1.338 | 33.99 | 1.115 | 28.32 | .930 | 23.62 | .218 | 5.54 | .250 | 6.35 | .525 | 13.34 | .185 | 4.70 | .130 | 3.30 | .218 | 5.64 |
| 37P | 1.488 | 37.80 | 1.265 | 32.13 | .992 | 25.20 | .218 | 5.54 | .250 | 6.35 | .525 | 13.34 | .202 | 5.13 | .130 | 3.30 | .134 | 3.40 |
| 37S | 1.488 | 37.80 | 1.265 | 32.13 | 1.080 | 27.43 | .218 | 5.54 | .250 | 6.35 | .525 | 13.34 | .185 | 4.70 | .130 | 3.30 | .218 | 5.64 |
| 51P | 1.438 | 36.53 | 1.215 | 30.86 | .942 | 23.93 | .260 | 6.60 | .300 | 7.62 | .660 | 16.76 | .202 | 5.13 | .150 | 3.81 | .177 | 4.50 |
| 51S | 1.438 | 36.53 | 1.215 | 30.86 | 1.030 | 26.16 | .260 | 6.60 | .300 | 7.62 | .660 | 16.76 | .185 | 4.70 | .150 | 3.81 | .260 | 6.60 |

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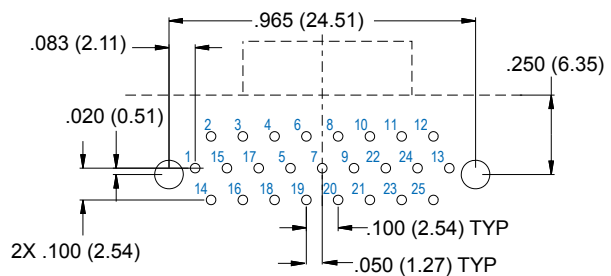


Micro-D Double
and Triple Row

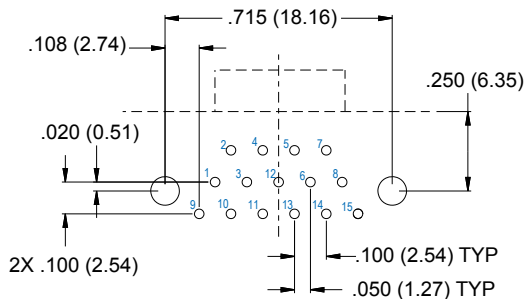
MLDM CBR PCB Layouts — Pin Connectors



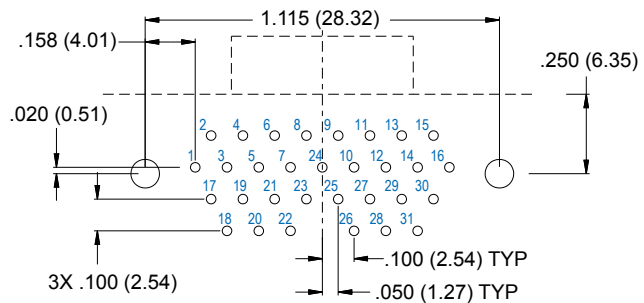
9 PIN



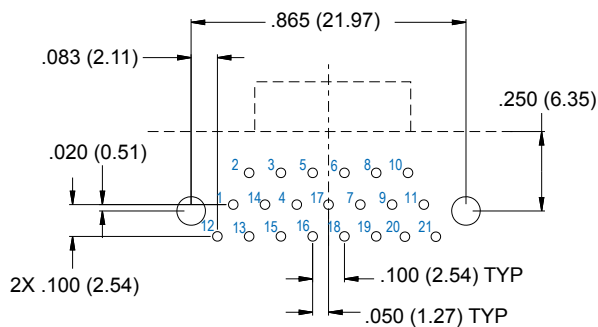
25 PIN



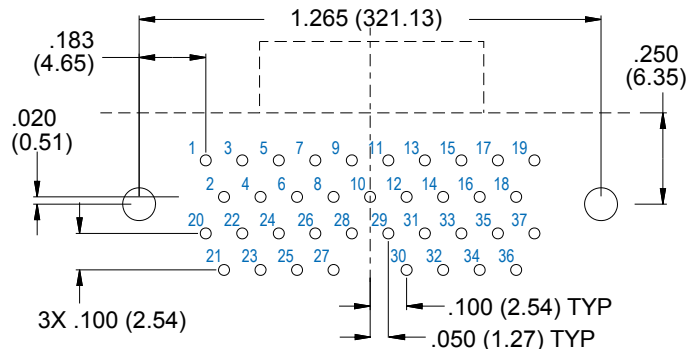
15 PIN



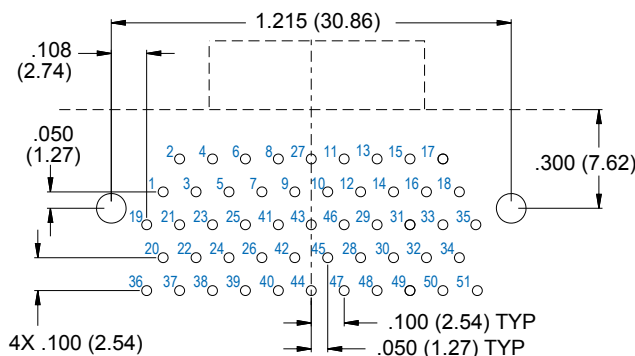
31 PIN



21 PIN



37 PIN



51 PIN

Notes

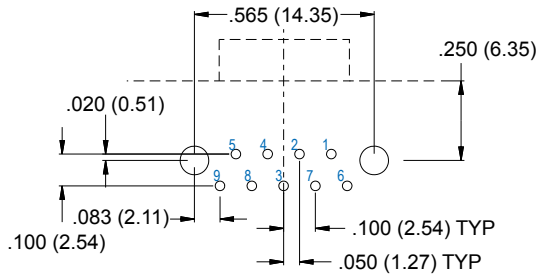
1. Patterns shown are for connector mounting side of PCB board.
2. Board mounting holes are .094" (2.39) diameter.
3. PC tails are .022" (0.56) maximum diameter.

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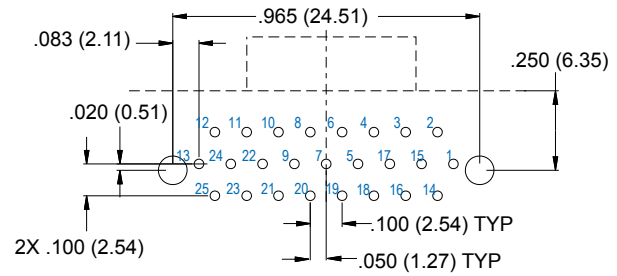


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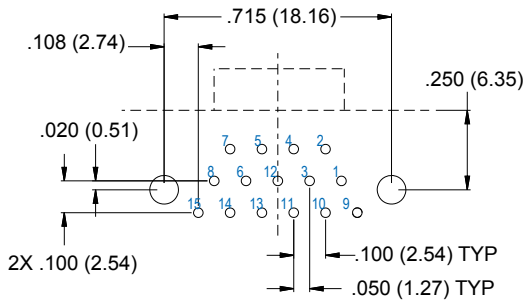
MLDM CBR PCB Layouts — Socket Connectors



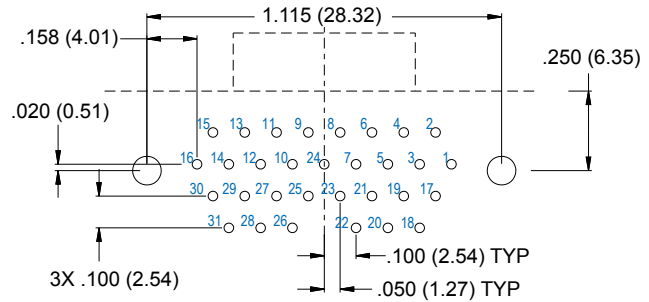
9 Socket



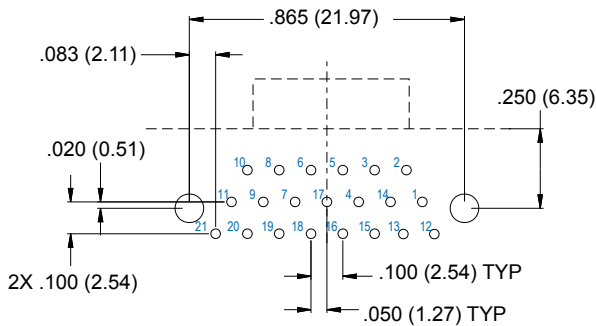
25 Socket



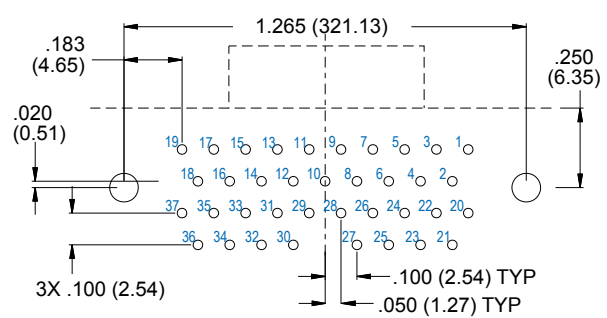
15 Socket



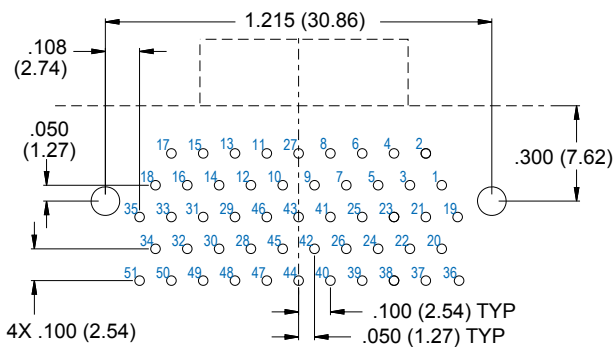
31 Socket



21 Socket



37 Socket



51 Socket

Notes

1. Patterns shown are for connector mounting side of PC board.
2. Board mounting holes are .094" (2.39) diameter.
3. PC tails are .022" (0.56) maximum diameter.

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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)

Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.