



Features

- Available in sizes MD9, MD15, MD21, MD25 MD31, MD37, MD51, MD51 2Row, MD69, MD75, MD100, and MD130
- High quality Glenair connectors (nickel plated)
- 0.025 Sq. In. Test Points
- Header Posts on .100 inch centers
- Mini-Jumpers to Open/Close the circuit
- Signal connectivity via Printed Circuit Board. No wires
- Silk Screen character designators
- 3 oz copper signal traces
- Black Delrin bottom covers

Description

Just like the D-Series Breakout Boards, Silver Engineering's Micro D series small packaging allows the test engineer access to Unit Under Test (UUT) signals in tight workspaces. The flow through design allows the Micro D to plug directly into UUT and mating cable. The Micro D comes with a full set of mini-jumpers.

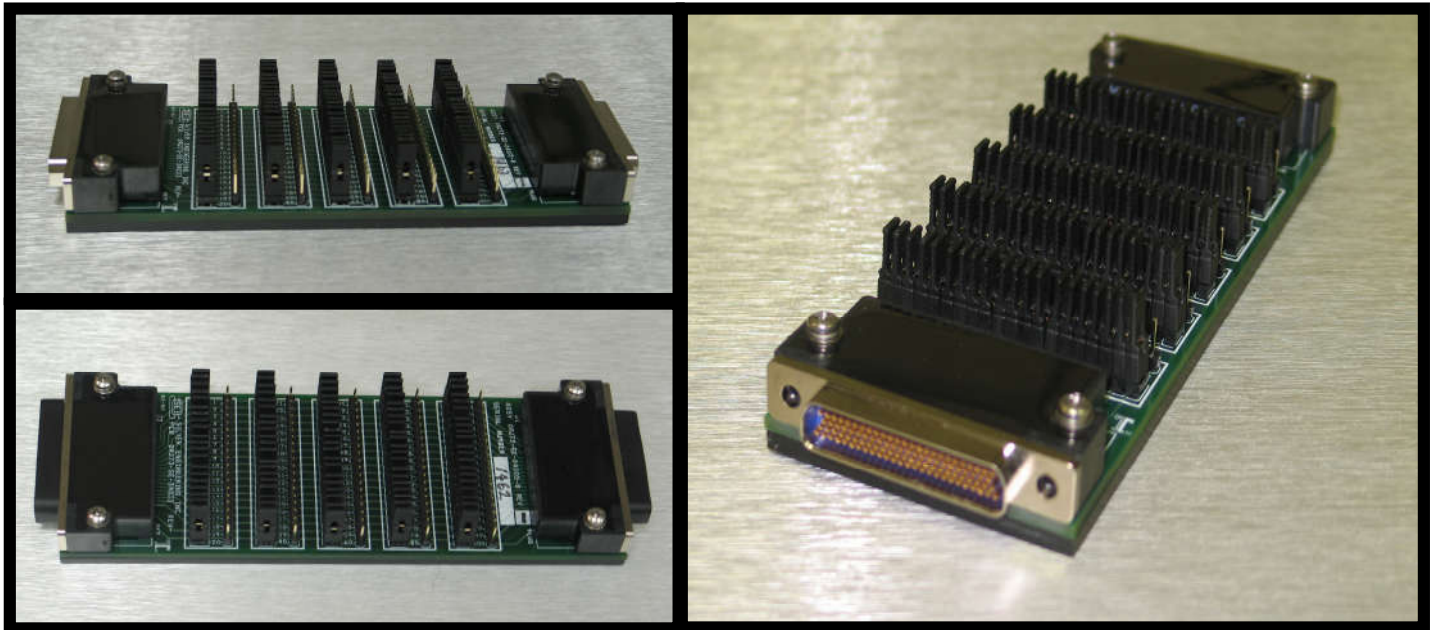
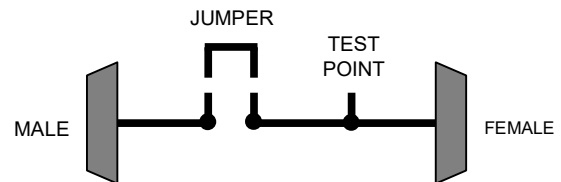


Figure 1 MICRO-D 100 SE-04005-8

Specifications

| PART NUMBER | DESCRIPTION | CONNECTOR GENDER | | PCB CU | MAX CURRENT NOTE 1 | MAX VOLTAGE NOTE 2 | MAX TRACE LENGTH | DIMENSIONS IN INCHES | | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------|--------|-----------------------|-----------------------|---------------------|-------------------------|-------|--------|
| | | J1 | J2 | | | | | LENGTH | WIDTH | HEIGHT |
| SE-04005-1 | MICRO-D 9 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 2" | 2.9 | 0.8 | 0.53 |
| SE-04005-2 | MICRO-D 15 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 2.5" | 2.9 | 0.95 | 0.53 |
| SE-04005-3 | MICRO-D 21 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 2.5" | 3.3 | 1.1 | 0.53 |
| SE-04005-4 | MICRO-D 25 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 3.2" | 3.6 | 1.2 | 0.53 |
| SE-04005-5 | MICRO-D 31 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 3.2" | 4.2 | 1.35 | 0.53 |
| SE-04005-6 | MICRO-D 37 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 3.7" | 4.2 | 1.5 | 0.53 |
| SE-04005-7 | MICRO-D 51 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 4.4" | 4.9 | 1.45 | 0.57 |
| SE-04011-1 | MICRO-D 51 2Row | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | | 4.7 | 1.9 | 0.6 |
| SE-04005-8 | MICRO-D 100 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 7.3" | 6.4 | 2.2 | 0.61 |
| SE-04005-9 | MICRO-D 69 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 7.3" | 6.4 | 2.2 | 0.57 |
| SE-04005-10 | MICRO-D 75 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 7.3" | 6 | 2.115 | 0.57 |
| SE-04005-11 | MICRO-D 130 | PLUG | SOCKET | 3 OZ | 3A | 33Vrms/70VDC | 7.5" | 6.65 | 2.55 | 0.61 |
| NOTE 1 | Maximum recommended current for one circuit active. De-rate current linearly to 25% of maximum recommended current if all circuits active simultaneously. For I = max. recommended current, N = total number of device circuits, n = circuits used, i = de-rated current each circuit, $i = I + (0.75 * (n-1) / (1-N))$. | | | | | | | | | |
| NOTE 2 | 33Vrms/70VDC recommended for safe handheld use. Unit is Hipot tested at 500VDC. | | | | | | | | | |

All specifications are subject to change without notice

Connectors

- All of our standard Micro D Breakout Boards use high quality Glenair connectors.
- Standard Micro D Breakout Boards use Glenair MWDM2L series connectors that feature nickel plating.
Example: M51 (SE-04005-7) uses a MWDM2L-51PCBR-.110.

Non-Standard Options

- Micro D Breakout Boards can be ordered with Stainless Steel connectors.
- Circuit Boards can be ordered with thicker copper for higher current capacity.
- Custom Micro D breakout boards per your specifications.
- Contact Silver Engineering Inc. for non-standard options or custom requirements.