Silver Engineering Inc.

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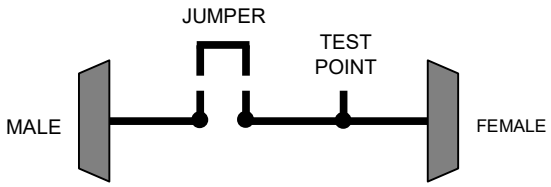
MICRO D SERIES BREAKOUT BOARD

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.



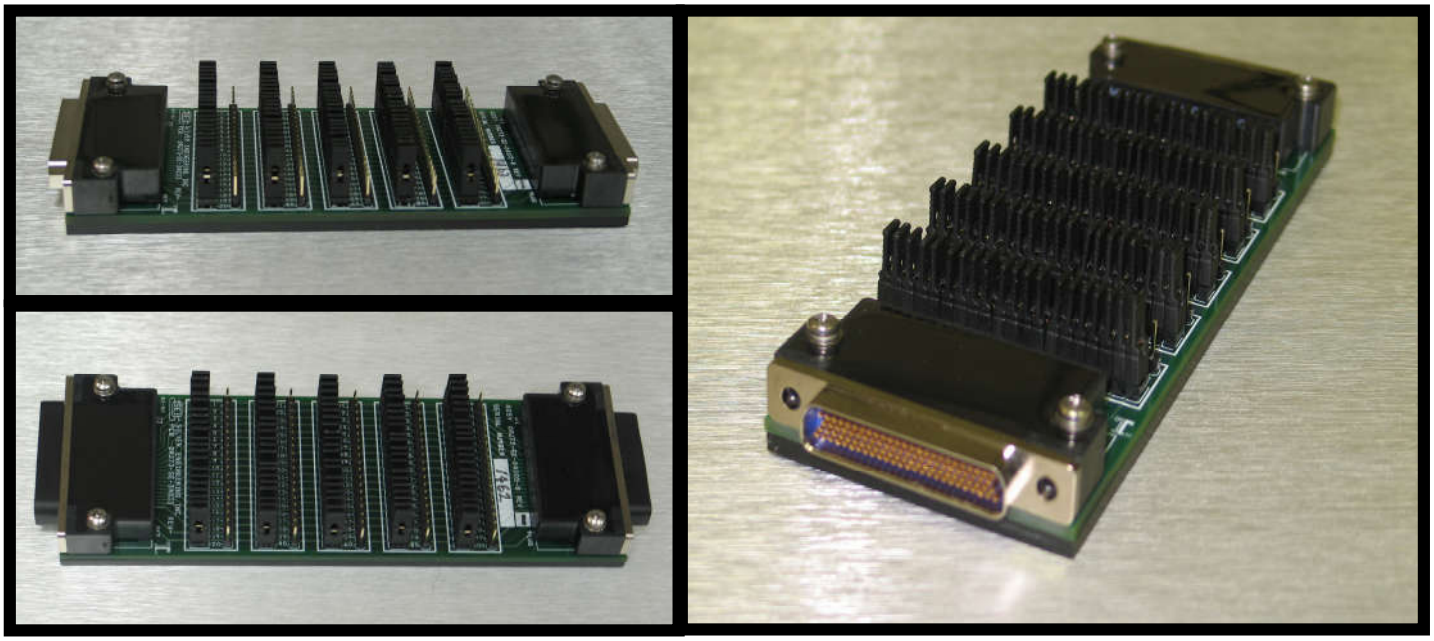


Figure 1 MICR- D 51 SE-04005-7

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*I*(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.