Silver Engineering Inc.

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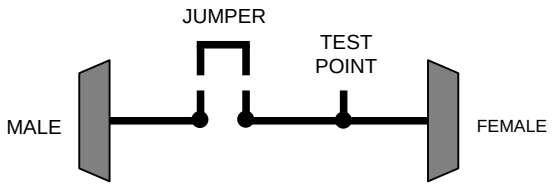
D SERIES BREAKOUT BOARD

Features

- Available in Standard Density 9D, 15D, 25D, 37D, and 50D as well as in High Density 15DD, 26DD, 44DD, 62DD, 78DD and 104DD
- Connectors are Stainless Steel high quality Positronic Industries, Inc ®
- 0.025 Sq. In. Test Points
- Header Posts on 0.10-inch centers
- Mini-Jumpers to Open/Close the circuit
- Signal connectivity via Printed Circuit Board. No wires.
- Silk Screen character designators
- 2 oz copper signal traces
- 0.062 Thick Aluminum 5052 Bottom Cover
- Red Anodize Finish
- Rubber Feet

Description

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



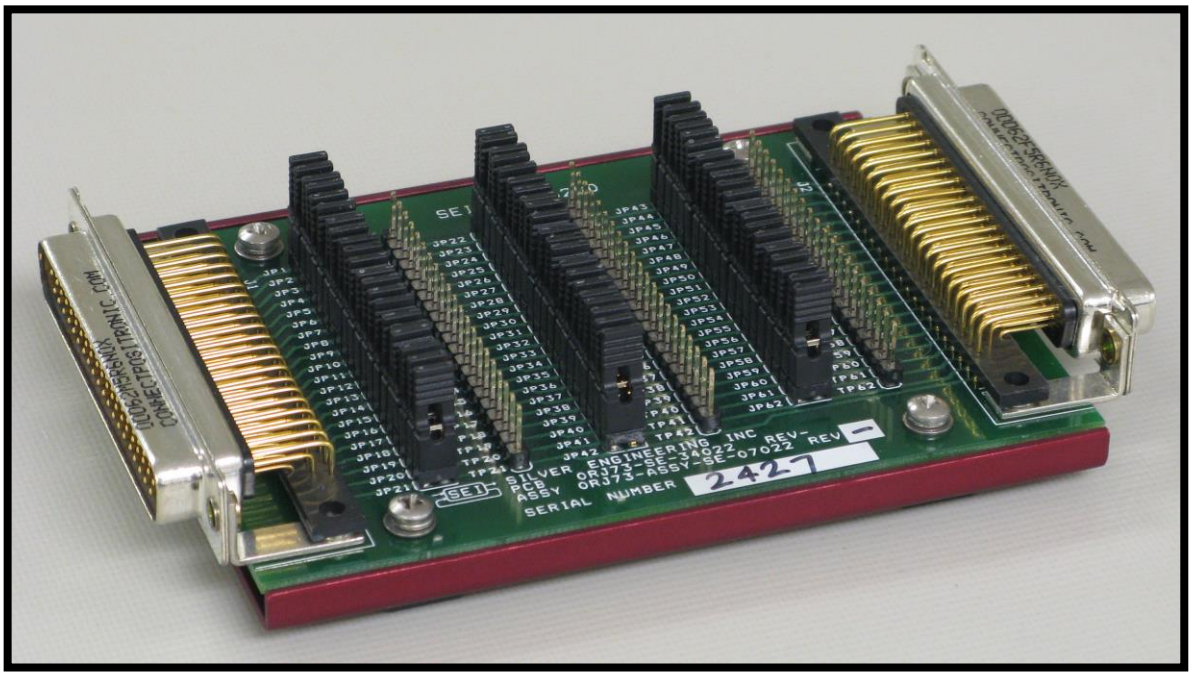


Figure 1 62DD Breakout Board PN SE-04001-9

Specifications

PART NUMBER	CONNECTOR GENDER		PCB CU NOTE 1	MAX MINI JUMPER CURRENT	MAX CURRENT NOTE 1, 2	MAX VOLTAGE NOTE 3	MAX TRACE LENGTH	DIMENSIONS		
	JUMPER SIDE	TEST POINT SIDE						LENGTH	WIDTH	HEIGHT
SE-04001-1	9D MALE	9D FEMALE	3oz	3A	3 A	33Vrms/70VDC	3.3"	4.15"	1.80"	0.9"
SE-04001-2	15D MALE	15D FEMALE	3oz	3A	3 A	33Vrms/70VDC	2.8"	3.75"	2.00"	0.9"
SE-04001-3	25D MALE	25D FEMALE	3oz	3A	3 A	33Vrms/70VDC	3.0"	3.65"	2.60"	0.9"
SE-04001-4	37D MALE	37D FEMALE	3oz	3A	3 A	33Vrms/70VDC	3.0"	3.95"	3.20"	0.9"
SE-04001-5	50D MALE	50D FEMALE	3oz	3A	3 A	33Vrms/70VDC	4.0"	4.75"	3.20"	1.0"
SE-04001-6	15DD MALE	15DD FEMALE	3oz	3A	3 A	33Vrms/70VDC	3.9"	4.80"	1.80"	0.9"
SE-04001-7	26DD MALE	26DD FEMALE	3oz	3A	3 A	33Vrms/70VDC	4.3"	4.65"	2.00"	0.9"
SE-04001-8	44DD MALE	44DD FEMALE	3oz	3A	3 A	33Vrms/70VDC	3.8"	5.30"	2.70"	0.9"
SE-04001-9	62DD MALE	62DD FEMALE	3oz	3A	3 A	33Vrms/70VDC	2.9"	5.20"	3.20"	1.0"
SE-04001-10	78DD MALE	78DD FEMALE	2oz	3A	2.9A	33Vrms/70VDC	3.0"	6.40"	3.20"	1.12"
SE-04001-11	104DD MALE	104DD FEMALE	2oz	3A	2.9A	33Vrms/70VDC	7.4"	7.50"	3.80"	1.17"

NOTE 1 Starting with Breakout Board Serial Number 2460 or if purchased after 7/3/09. For earlier serial numbers, contact factory for max current specifications

NOTE 2 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 3 33Vrms/70VDC recommended for safe handheld use. Unit is Hipot tested at 500VDC.

NOTE 4 As of 26June2015, all versions use stainless steel Positronic connectors

All specifications are subject to change without notice.

Connectors

- All our standard Breakout Boards use high quality Positronic™ Connectors.
- Standard Density Breakout Boards use Positronic™ MDX series with stainless steel plated shells. Example: 37D (SE-04001-4) uses a MDX37S5R700S and MD37M5R700S.
- High Density Breakout Boards use Positronic™ DD series connectors with stainless steel shells. Example: 26DD (SE-04001-7) uses a DD26S4R700S and a DD26M4R700S.

Non-Standard Options

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