



### Features

- Available in Standard Density 9D, 15D, 25D, 37D, and 50D as well as in High Density 15DD, 26DD, 44DD, 62DD, 78DD and 104DD
- D connectors are 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.

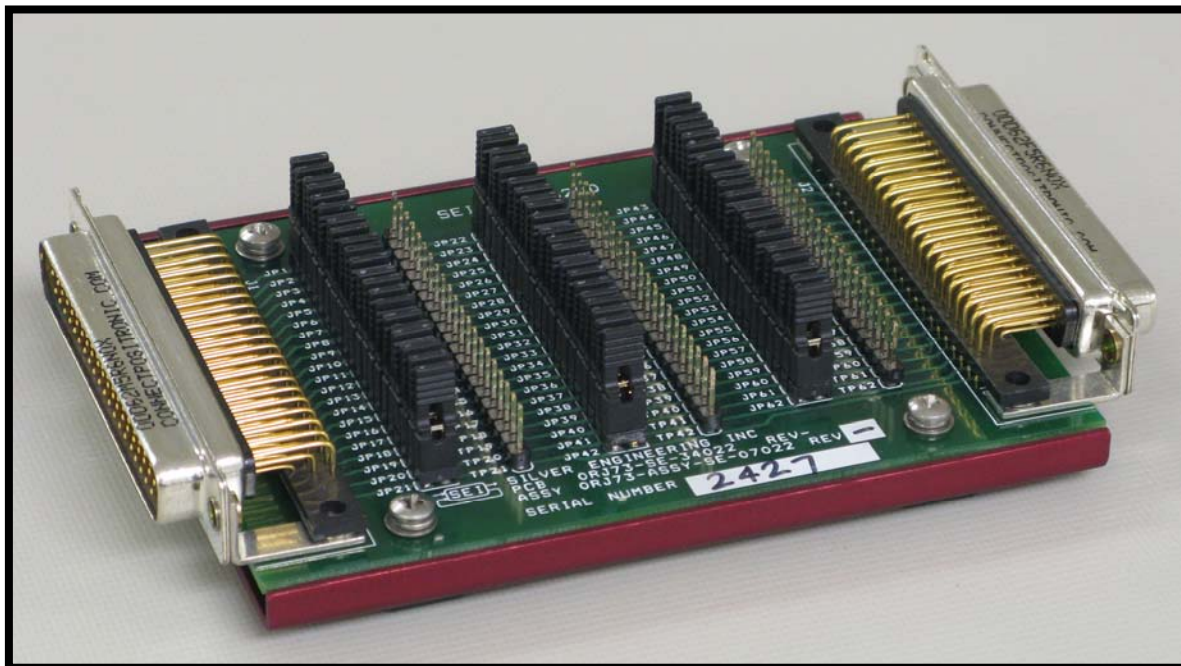
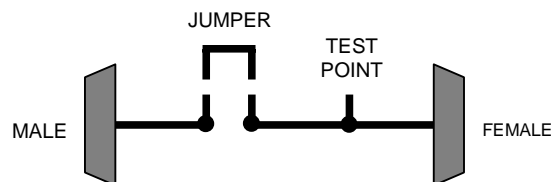


Figure 1 62DD Breakout Board PN SE-04001-9

# Specifications

PART NUMBER	CONNECTOR GENDER		PCB CU NOTE 1	MAX MINI JUMPER CURRENT	MAX SUBSTAINED PCB CURRENT @ 60C RISE NOTE 1, 2	MAX DC VOLTAGE NOTE 3	MAX TRACE LENGTH	DIMENSIONS		
	JUMPER SIDE	TEST POINT SIDE						LENGTH	WIDTH	HEIGHT
SE-04001-1	9D MALE	9D FEMALE	2oz	3A	5.3A	48VDC	3.3"	4.15"	1.80"	0.9"
SE-04001-2	15D MALE	15D FEMALE	2oz	3A	5.3A	48VDC	2.8"	3.75"	2.00"	0.9"
SE-04001-3	25D MALE	25D FEMALE	2oz	3A	5.3A	48VDC	3.0"	3.65"	2.60"	0.9"
SE-04001-4	37D MALE	37D FEMALE	2oz	3A	5.3A	48VDC	3.0"	3.95"	3.20"	0.9"
SE-04001-5	50D MALE	50D FEMALE	2oz	3A	2.6A	48VDC	4.0"	4.75"	3.20"	1.0"
SE-04001-6	15DD MALE	15DD FEMALE	2oz	3A	4.4A	48VDC	3.9"	4.80"	1.80"	0.9"
SE-04001-7	26DD MALE	26DD FEMALE	2oz	3A	4.3A	48VDC	4.3"	4.65"	2.00"	0.9"
SE-04001-8	44DD MALE	44DD FEMALE	2oz	3A	2.15A	48VDC	3.8"	5.30"	2.70"	0.9"
SE-04001-9	62DD MALE	62DD FEMALE	2oz	3A	2.65A	48VDC	2.9"	5.20"	3.20"	1.0"
SE-04001-10	78DD MALE	78DD FEMALE	2oz	3A	2.65A	48VDC	3.0"	6.40"	3.20"	1.12"
SE-04001-11	104DD MALE	104DD FEMALE	2oz	3A	2.25A	48VDC	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 Breakout Boards do not contain any current limiting or current protection devices. It is up to the user to limit currents.  
 NOTE 3 Although all components and circuit boards are capable of much higher voltage, **do not** connect to any signal that may have any lethal voltage potential.

All specifications are subject to change without notice.

## Connectors

- All our standard Breakout Boards use high quality Positronic™ Connectors.
- Standard Density Breakout Boards (9D, 15D, 25D, 37D, and 50D) use Positronic™ MD and MDX series with Tin Plated Shell. Example: 37D (SE-04001-4) uses a MD37M5R700X.
- High Density Breakout Boards (15DD, 44DD, 62DD, 78DD, and 104DD) use Positronic™ ODD series with Tin Plated Shell. Example: 104DD (SE-04001-11) uses an ODD104M5R7000X.

## Non-Standard Options

- Breakout Boards can be ordered with Stainless Steel connectors.
- 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.

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