



### Features

- Available in sizes B-9, D-15, F-23, G-33, H-66, and M-102
- High quality Glenair connectors (Electroless Nickel)
- 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
- 0.062 Thick Aluminum 5052 Bottom Cover
- Red Anodize Finish
- Rubber Feet

### Description

The Series 79 Breakout Boards, Silver Engineering's Series 79 BOB, small packaging allows the test engineer access to Unit Under Test (UUT) signals in tight workspaces. The flow through design allows the Series 79 to plug directly into UUT and mating cable. The Series 79 comes with a full set of mini-jumpers.

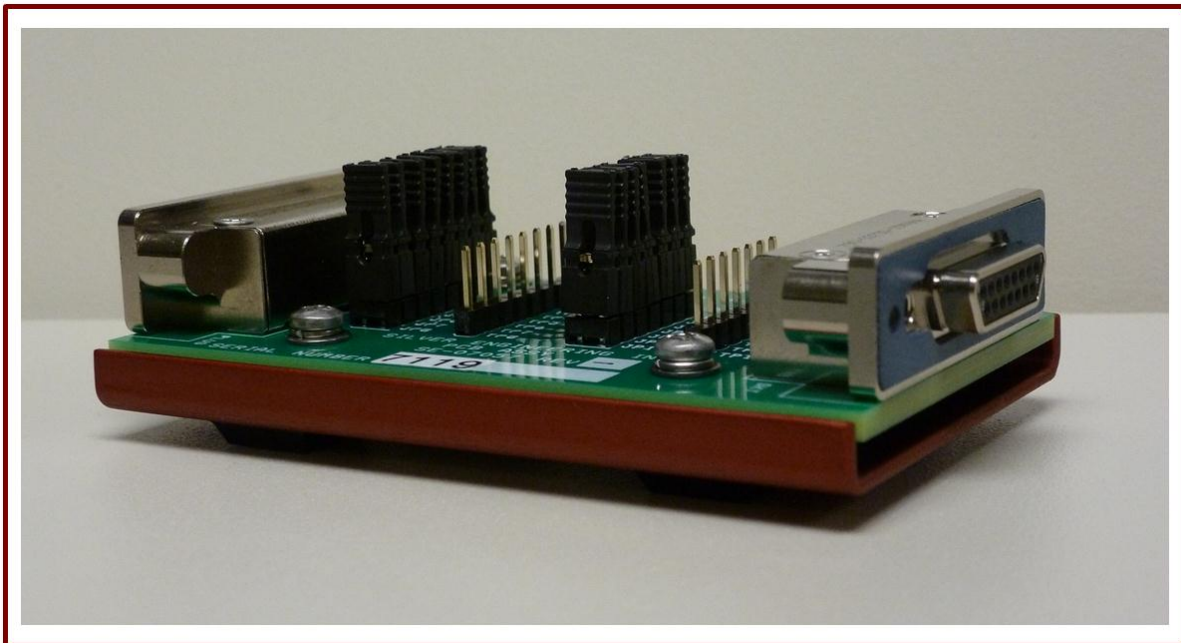
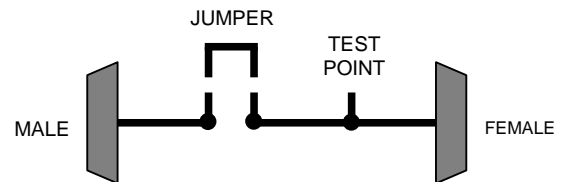


Figure 1 Series 79 D-15 SE-04009-2

# 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-04009-1	Series 79 B-9	SOCKET	PLUG	3 OZ	3 A	30Vrms/60VDC	2.6"	3.2	2	0.9
SE-04009-2	Series 79 D-15	SOCKET	PLUG	3 OZ	3 A	30Vrms/60VDC	2.6"	3.2	2	0.9
SE-04009-3	Series 79 F-23	SOCKET	PLUG	3 OZ	3 A	30Vrms/60VDC	2.5"	3.1	2.6	0.9
SE-04009-4	Series 79 G-33	SOCKET	PLUG	3 OZ	3 A	30Vrms/60VDC	3.5"	4.5	2.7	1.03
SE-04009-5	Series 79 H-66	SOCKET	PLUG	3 OZ	3 A	30Vrms/60VDC	5.2"	5.7	3.2	1.03
SE-04009-6	Series 79 L-78	SOCKET	PLUG	3 OZ	3 A	30Vrms/60VDC	5.2"	5.7	3.2	1.03
SE-04009-7	Series 79 M-102	SOCKET	PLUG	3 OZ	3 A	30Vrms/60VDC	6.2"	6.8	3.8	1.09

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 30Vrms/60VDC recommended for safe handheld use. Unit is Hipot tested at 500VDC.

All specifications are subject to change without notice

## Connectors

- All of our standard Series 79 Breakout Boards use high quality Glenair connectors.
- Standard Series 79 Breakout Boards use Glenair 790-036P, 790-037S series connectors that feature Electroless Nickel. Example: G-33 (SE-04009-4) uses a 790-36PG-33MNA.

## Non-Standard Options

- Custom Series 79 breakout boards per your specifications.
- Contact Silver Engineering Inc. for non-standard options or custom requirements.

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