



Features

- Current models include 128(J35), 100(H35), 79(G35), 66(F35), 61(J61), 55(E35), 55(H55), 53(H53), 37(D35), 32(F32), & 29(J29) connector arrangements. Other connector arrangements available upon request.
- Standard units include D38999/ Series III connectors. Optional Series I & II are available upon request.
- All connectors come standard with Nickel finish. Other finishes available upon request.
- Test points are 0.080" Tip Jack (typical voltmeter size probes), Mini Banana Jack (2mm), or Banana Jack (4mm).
- Jack spacing of 0.5" supports shorting plugs for Tip and Mini Banana Jacks.
- All units come standard with toggle switches.
- Sealed toggle switches are rated for Low Level and Power signals.
- PCB and internal harnessing wiring.
- Housed in a heavy duty 0.080 thick aluminum box with welded corners
- Stainless Steel Handles
- All units are subjected to a 500VDC Hipot test.

Description

Silver Engineering's Circular Series Breakout Boxes feature D38999/ series III connectors. All connectors come standard with Nickel finish and normal key rotation(N). Standard models include one Socket and one Pin connector. Other connector arrangements, rotation, and finishes are available upon request. Choose between Tip Jacks, Mini Banana, or Banana Jacks. Toggle switches are included.

Circular Series Breakout Boxes incorporate both internal circuit board and harness wiring. All units utilize M16878/1 type wire. 22AWG for size 22 contacts, 20AWG for size 20 contacts, and 16AWG for side 16 contacts.

Circular Series Breakout Boxes use a color-coding scheme as an aid. The Red jacks connect to the Red TP (RTP) side connector with SKT contacts and the Black jacks connect to the Black TP (BTP) side connector with PIN contacts. Toggling the switch will make or break connection between corresponding pins.

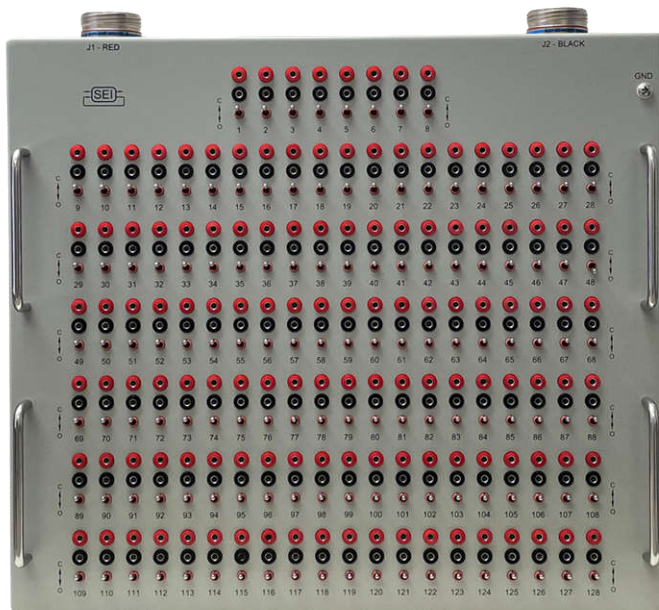


Figure 1 128POS Circular Breakout Box SE-01122-3

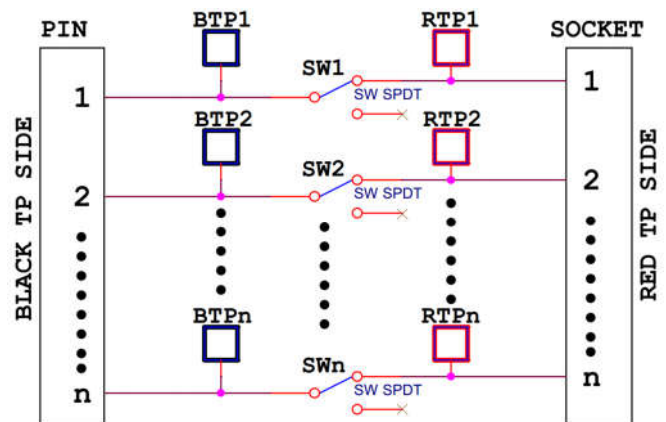


Figure 2 SCHEMATIC

Specifications

| Connector Type | Part Number X=Option | CONNECTOR INSERT | MAX Current | Internal Wiring | MAX Voltage |
|----------------|---|------------------|-------------|-----------------|--------------|
| 29 | SE-01170-X | J29 | 13.0 A | 16AWG | 28VDC/70Vrms |
| 32 | SE-01147-X | F32 | 6.0 A | 20AWG | 28VDC/70Vrms |
| 37 | SE-01117-X | D35 | 5.0 A | 22AWG | 28VDC/70Vrms |
| 53 | SE-01118-X | H53 | 6.0 A | 20AWG | 28VDC/70Vrms |
| 55 | SE-01119-X | H55 | 6.0 A | 20AWG | 28VDC/70Vrms |
| 55 | SE-01133-X | E35 | 5.0 A | 22AWG | 28VDC/70Vrms |
| 61 | SE-01173-X | J61 | 7.5 A | 20AWG | 28VDC/70Vrms |
| 66 | SE-01130-X | F35 | 5.0 A | 22AWG | 28VDC/70Vrms |
| 79 | SE-01120-X | G35 | 5.0 A | 22AWG | 28VDC/70Vrms |
| 100 | SE-01121-X | H35 | 5.0 A | 22AWG | 28VDC/70Vrms |
| 128 | SE-01122-X | J35 | 5.0 A | 22AWG | 28VDC/70Vrms |
| -X OPTIONS | | | | | |
| Option | Description | | | | |
| -1 | 0.080" Pin Tip Jacks and Switches | | | | |
| -2 | 0.104" Mini Banana Jacks and Switches | | | | |
| -3 | 4mm (0.5" Spaced) Banana Jacks and Switches | | | | |

*All specifications are subject to change without notice.

Part Number Example

SE-01122-3

Description: Circular Series 128POS Breakout Box with Switches and 4mm Banana Jacks

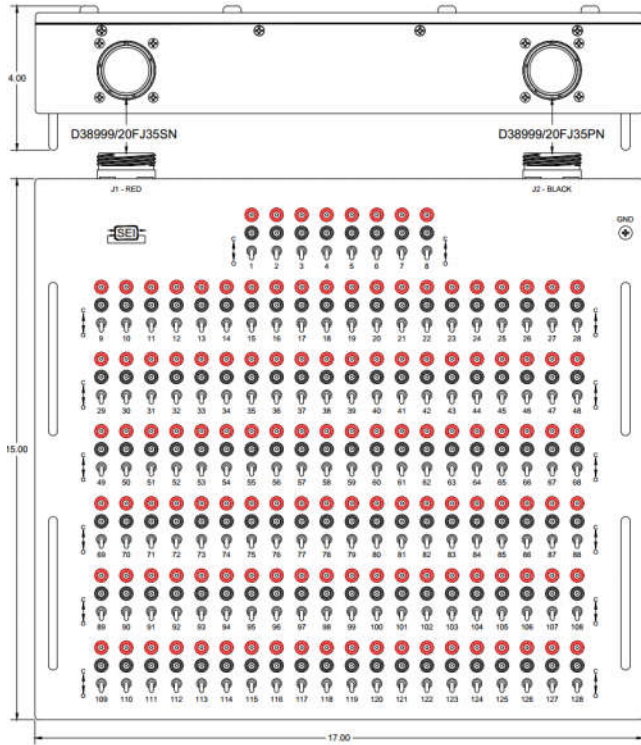
Breakout Box and Mating Connector Part Numbers

| Connector Pin Count | Breakout Box Part Number | Box Connector Black Test Point Side | Box Connector Red Test Point Side | Black Test Point Side Mating Connector | Red Test Point Side Mating Connector |
|---------------------|--------------------------|-------------------------------------|-----------------------------------|--|--------------------------------------|
| 29 | SE-01170-X | D38999/20FJ29PN | D38999/20FJ29SN | D38999/26FJ29SN | D38999/26FJ29PN |
| 32 | SE-01147-X | D38999/20FF32PN | D38999/20FF32SN | D38999/26FF32SN | D38999/26FF32PN |
| 37 | SE-01117-X | D38999/20FD35PN | D38999/20FD35SN | D38999/26FD35SN | D38999/26FD35PN |
| 53 | SE-01118-X | D38999/20FH53PN | D38999/20FH53SN | D38999/26FH53SN | D38999/26FH53PN |
| 55 | SE-01119-X | D38999/20FH55PN | D38999/20FH55SN | D38999/26FH55SN | D38999/26FH55PN |
| 55 | SE-01133-X | D38999/20FE35PN | D38999/20FE35SN | D38999/26FE35SN | D38999/26FE35PN |
| 61 | SE-01173-X | D38999/20FJ61PN | D38999/20FJ61SN | D38999/26FJ61SN | D38999/26FJ61PN |
| 66 | SE-01130-X | D38999/20FF35PN | D38999/20FF35SN | D38999/26FF35SN | D38999/26FF35PN |
| 79 | SE-01120-X | D38999/20FG35PN | D38999/20FG35SN | D38999/26FG35SN | D38999/26FG35PN |
| 100 | SE-01121-X | D38999/20FH35PN | D38999/20FH35SN | D38999/26FH35SN | D38999/26FH35PN |
| 128 | SE-01122-X | D38999/20FJ35PN | D38999/20FJ35SN | D38999/26FJ35SN | D38999/26FJ35PN |

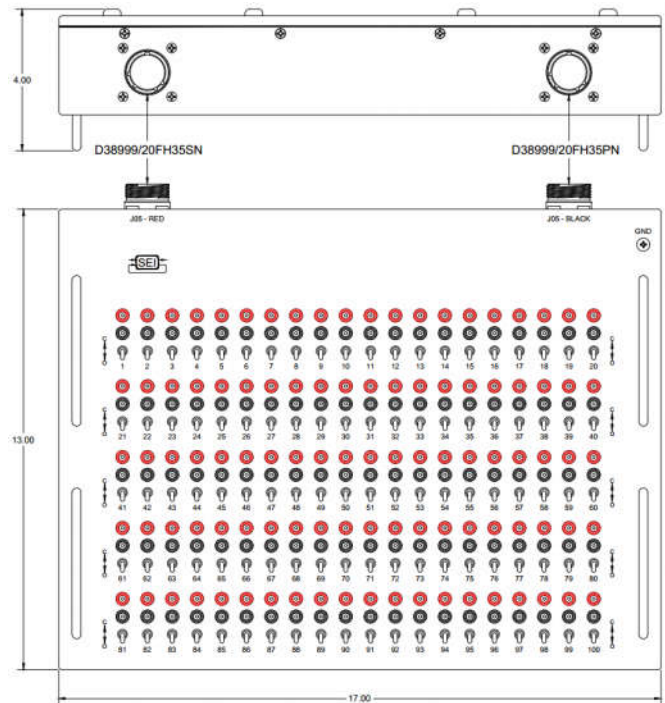
WE BUILD ADAPTER CABLES

Enclosure Layouts and Dimensions

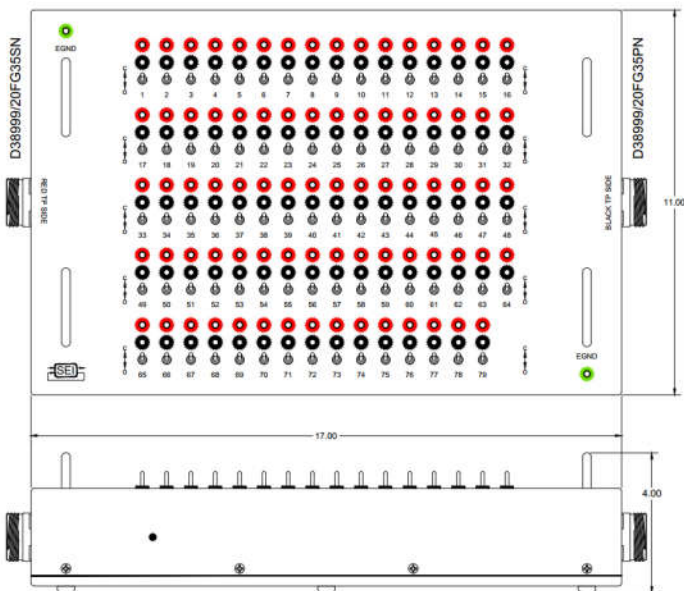
128 POSITION PN:SE-01122-X



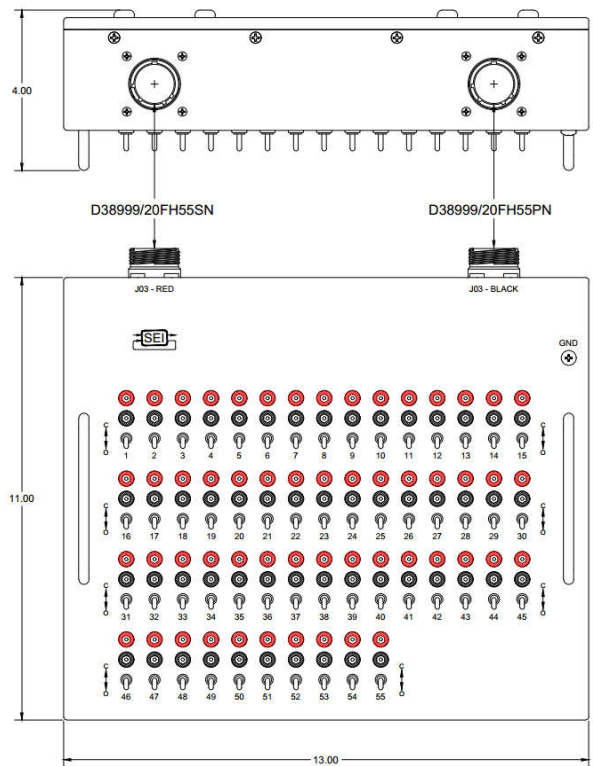
100 POSITION PN:SE-01121-X



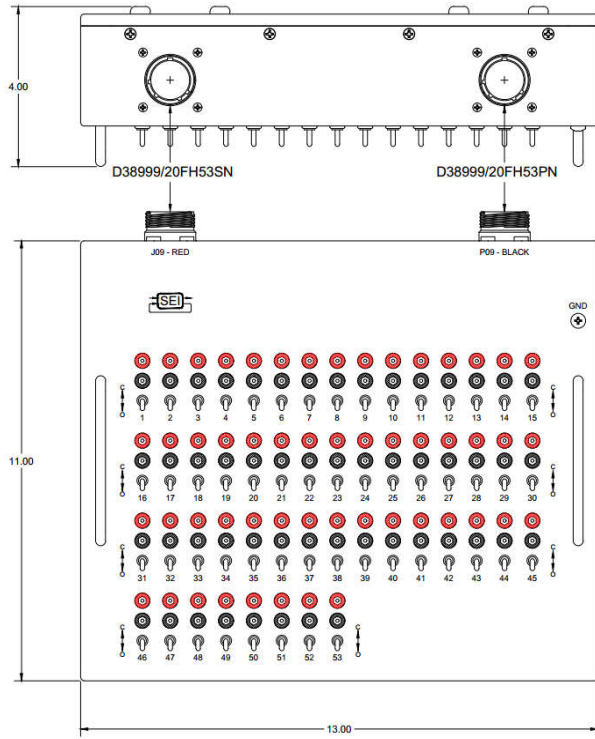
79 POSITION PN:SE-01120-X



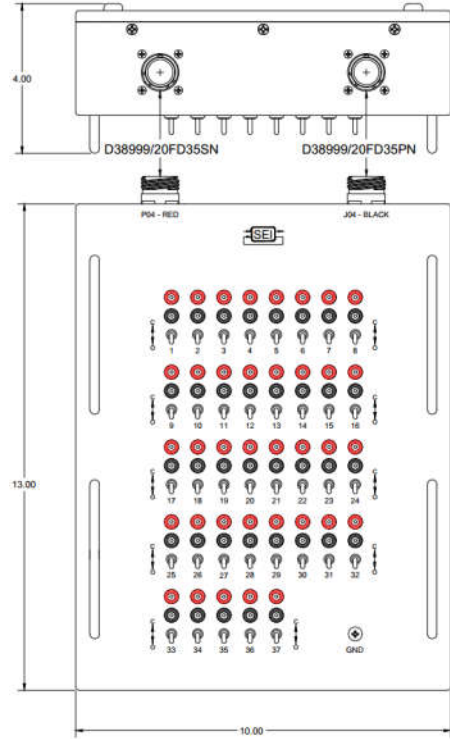
55 POSITION PN:SE-01119-X



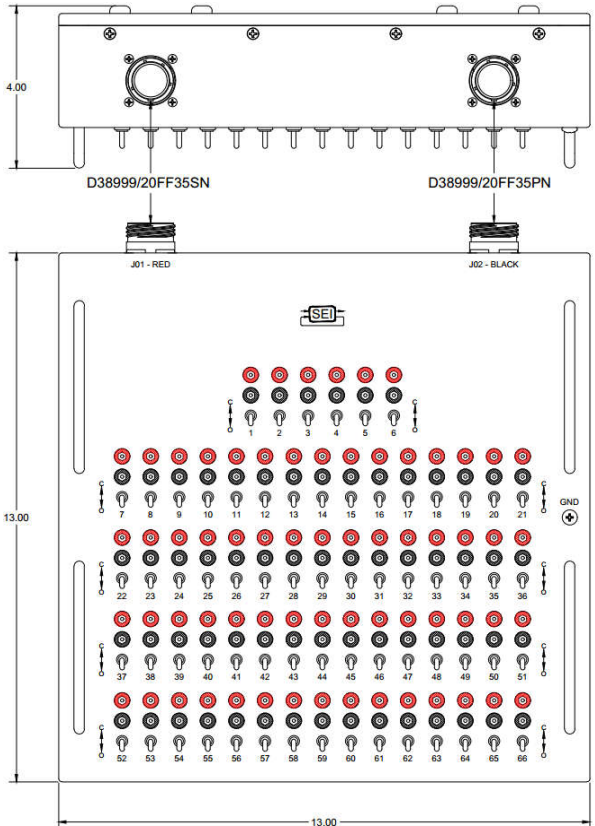
53 POSITION PN:SE-01118-X



37 POSITION PN:SE-01117-X



66 POSITION PN:SE-01130-X



61 POSITION PN:SE-01173-X

