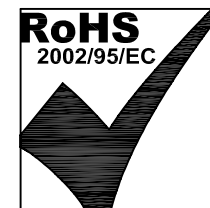


ELECTRICAL SPECIFICATIONS:

	<u>FREQUENCY (MHz)</u>	<u>VALUE</u>	
1.0	RETURN LOSS:		
		1 TO 30	18 dB MIN
		31 TO 60	13 dB MIN
		61 TO 80	10 dB MIN
		81 TO 100	8.6 dB MIN
	101 TO 155	5.0 dB MIN	
2.0	DIFFERENTIAL TO COMMON REJ:		
		1 TO 100	34 dB MIN
		101 TO 155	24 dB MIN
3.0	NEAR END CROSS-TALK		
		1 TO 100	30 dB MIN
		101 TO 155	23 dB MIN
4.0	INSERTION LOSS		
		1 TO 100	1.0 dB MAX
		101 TO 155	1.5 dB MAX
5.0	INDUCTANCE, BIAS 8 mA 1.0 V	0.1	6.0 uH MIN
6.0	DC RESISTANCE	P1 - J1	0.3 OHMS MAX
		P2 - J2	0.3 OHMS MAX
		P3 - J3	0.3 OHMS MAX
		P4 - J4	0.3 OHMS MAX
		P5 - J5	0.3 OHMS MAX
		P6 - J6	0.3 OHMS MAX
7.0	DIELECTRIC WITHSTAND VOLTAGE	-	1000 VDC

NOTE:

PINS NOT ELECTRICALLY CONNECTED ARE OMITTED.



Bel Stewart Connector  
 11118 Susquehanna Trail, South  
 Glen Rock, Pa 17327-9199  
 717.234.7512

**MagJack®**

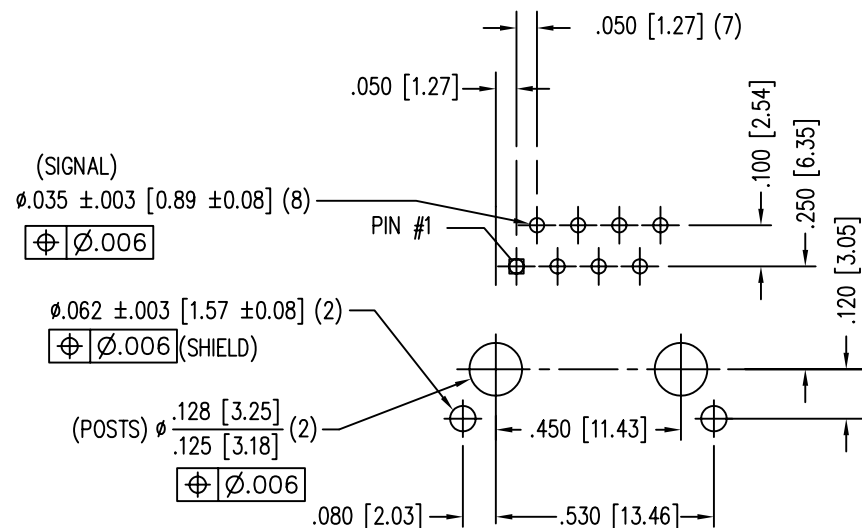
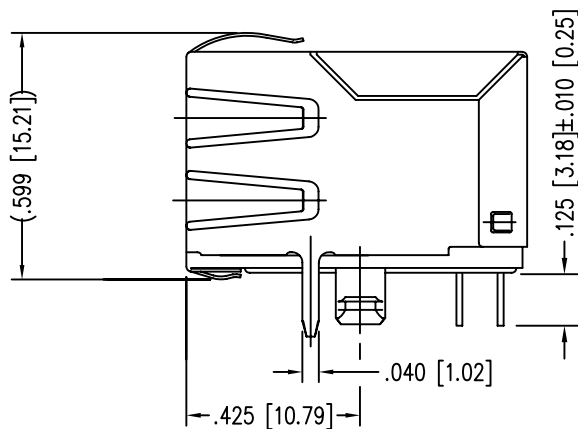
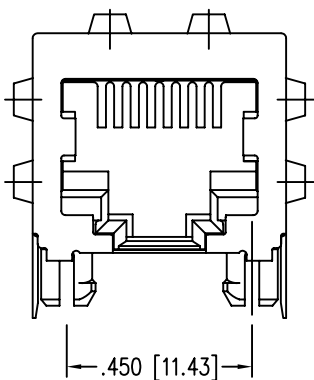
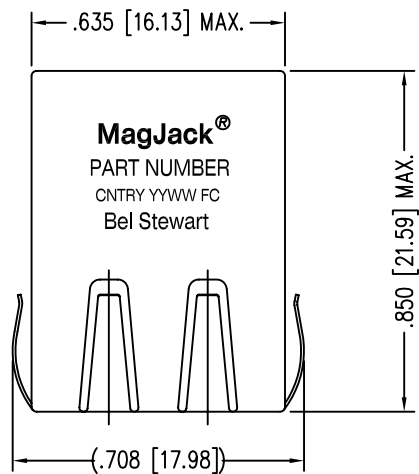
<http://www.stewartconnector.com>

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

SHEET  
1 OF 3

DRAWING NO.  
SI-60080-F

REV.  
03

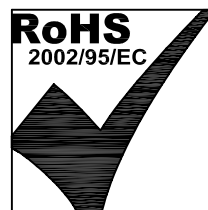


P.C.B. RECOMMENDED HOLE LAYOUT  
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.

NOTES:

- CONNECTOR MATERIALS:  
HOUSING: THERMOPLASTIC UL94 V-0  
CONTACT/SHIELD: COPPER ALLOY  
SHIELD PLATING: NICKEL OR TIN  
CONTACT PLATING: SELECTIVE GOLD,  
50 MICRO-INCHES MIN. IN CONTACT AREA.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.  
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±0.005 [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.  
HIGH TEMPERATURE REFLOW COMPATIBLE - 230°C/90 SEC MAX.



Bel Stewart Connector  
11118 Susquehanna Trail, South  
Glen Rock, Pa 17327-9199  
717.234.7512

**MagJack®**

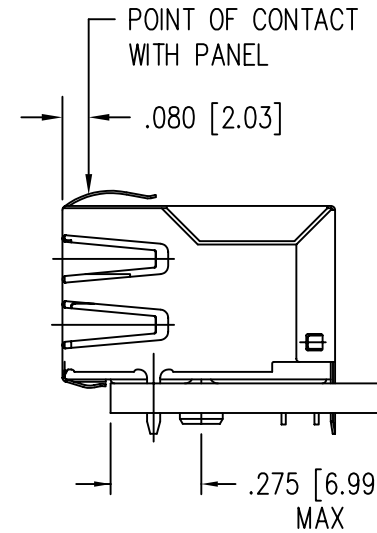
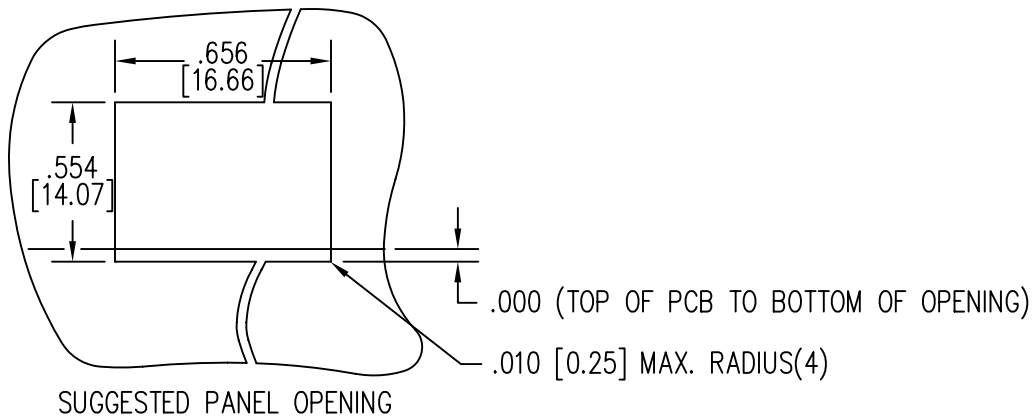
<http://www.stewartconnector.com>

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

SHEET  
2 OF 3

DRAWING NO.  
SI-60080-F

REV.  
06



1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE  $\pm 0.005$  [0.13]

Bel Stewart Connector  
 11118 Susquehanna Trail, South  
 Glen Rock, Pa 17327-9199  
 717.234.7512

**MagJack®**

<http://www.stewartconnector.com>

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

SHEET  
3 OF 3

DRAWING NO.  
SI-60080-F

REV.  
05