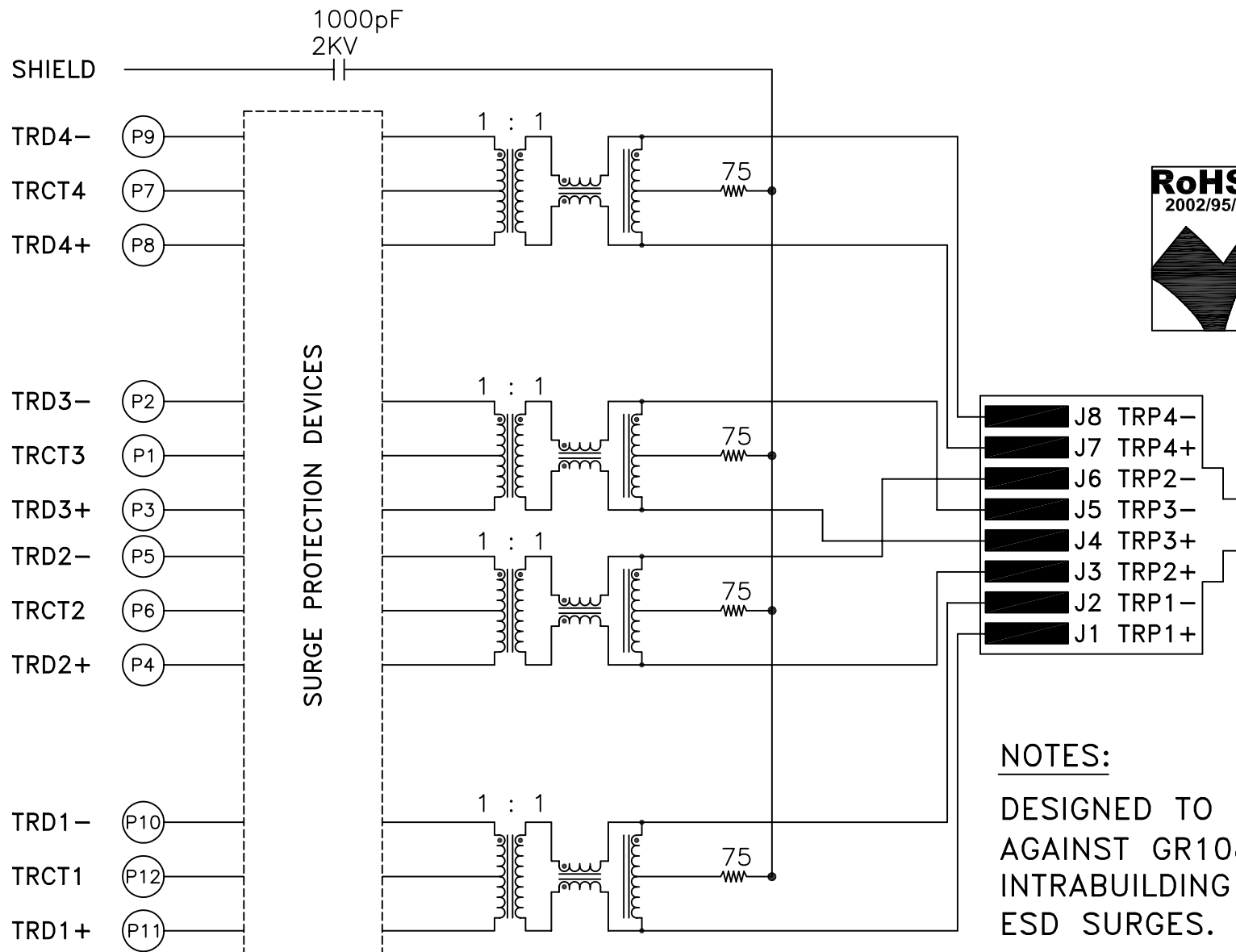




NOTES:

DESIGNED TO PROTECT
AGAINST GR1089
INTRABUILDING AND
ESD SURGES.

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P10-P11) :	(J2-J1)	: 1 : 1 ±2%
(P5-P4) :	(J6-J3)	: 1 : 1 ±2%
(P2-P3) :	(J5-J4)	: 1 : 1 ±2%
(P9-P8) :	(J8-J7)	: 1 : 1 ±2%

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 4

DRAWING NO.
SI-53014-F

REV.
06

2.0 DC RESISTANCE	(J8-J7); (J6-J3); (J5-J4); (J2-J1)	: 1.2 OHMS MAX.
3.0 INDUCTANCE:	(P2-P3) ; (P5-P4) (P10-P11) ; (P9-P8)	: 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS
4.0 RETURN LOSS:	1MHz TO 30MHz 30MHz TO 60MHz 60MHz TO 80MHz 80MHz TO 100MHz	: -19dB MIN. : -13dB MIN. : -12dB MIN. : -10dB MIN.
5.0 INSERTION LOSS:	RS=RL=100 ohms 100KHz TO 125MHz	: -1.1 dB TYP
6.0 CROSS TALK:	1-100 MHz	: $-[33-20 \text{ LOG } (\frac{F}{50 \text{ MHz}})] \text{ MIN.}$
7.0 COMMON TO COMMON MODE ATTENUATION:	1MHz TO 100MHz	: -35dB TYP
8.0 RISE TIME:	RS=100 OHMS AND RL = 100 OHMS OUTPUT VOLTAGE = 1 V peak PULSE WIDTH= 112nS	: 3.0 nS MAX : 3.0 nS MAX
9.0 DIELECTRIC WITHSTAND:	(J1,J2) TO (P11,P10) ; (J4,J5) TO (P3-P2) (J3,J6) TO (P4,P5) ; (J7,J8) TO (P8, P9)	: 1500 VAC : 1500 VAC

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

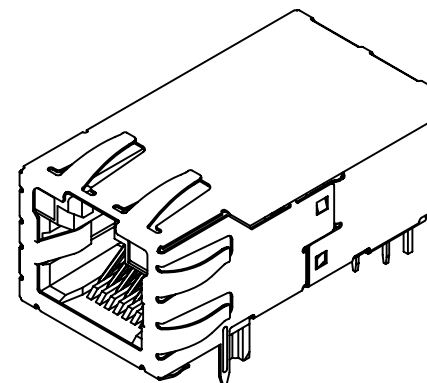
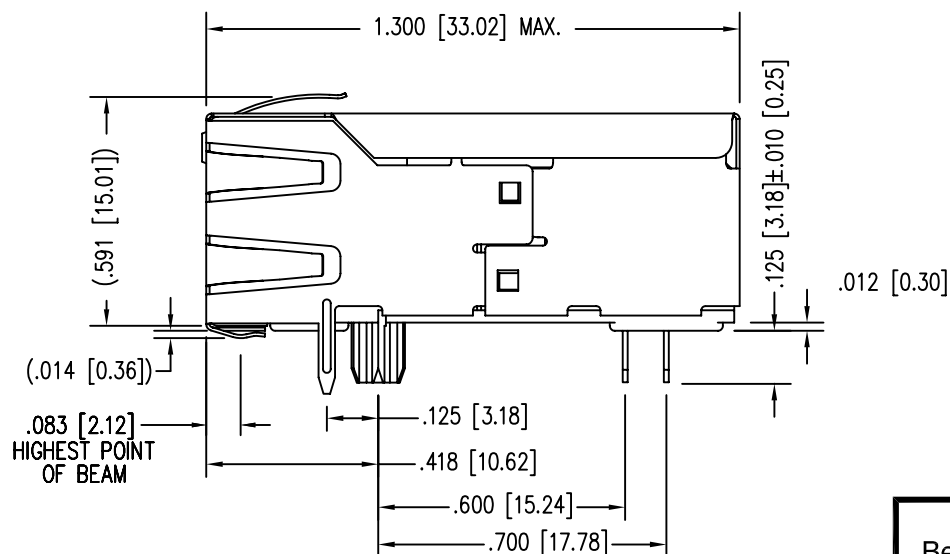
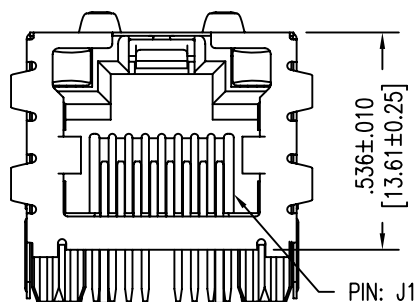
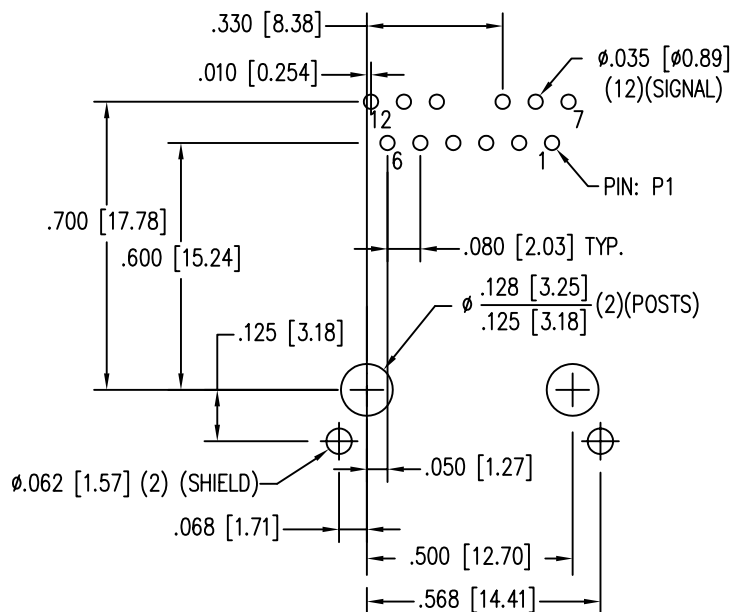
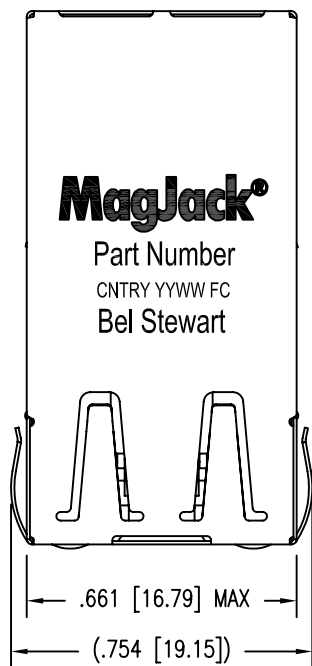
2 OF 4

DRAWING NO.

SI-53014-F

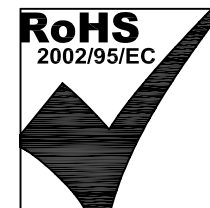
REV.

05



NOTES:

1. 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.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR
10 SCEONDS MAX.



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

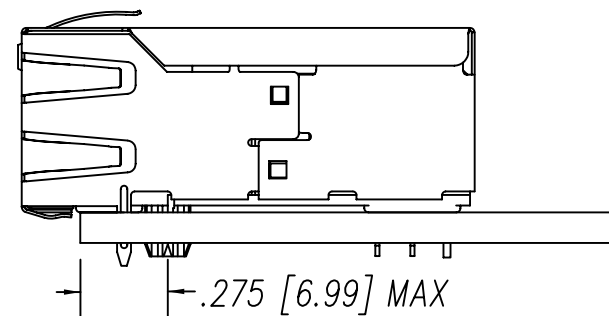
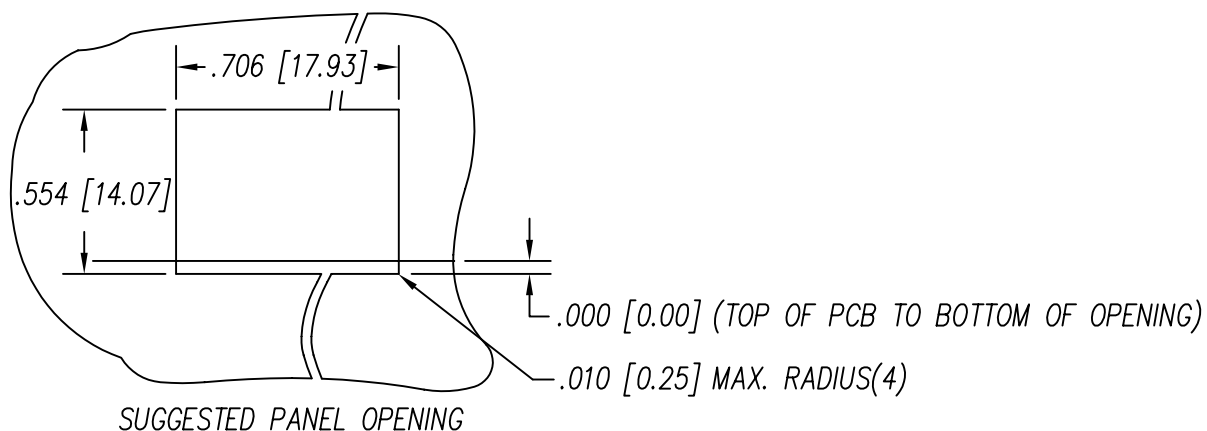
MagJack®

<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
3 OF 4

DRAWING NO.
SI-53014-F
REV. 05



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 $\pm .005$ [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
4 OF 4

DRAWING NO.
SI-53014-F

REV.
05