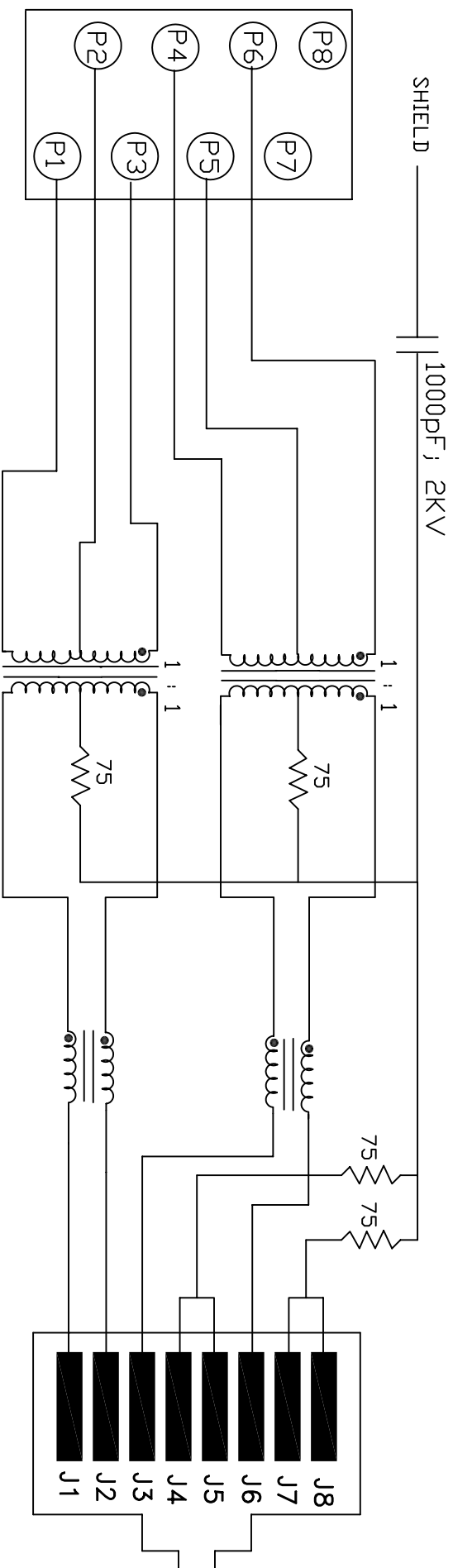
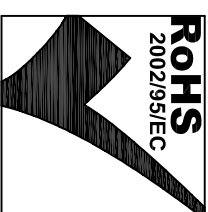




ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: $\{P6-P5-P4\} : \{J6-J3\}$
 $\{P3-P2-P1\} : \{J2-J1\}$
: 1CT : 1CT $\pm$ 3%
: 1CT : 1CT $\pm$ 3%
- 2.0 INDUCTANCE: $\{P6-P4\}$
 $\{P3-P1\}$
: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: $P6-P4$ (WITH $J6$ AND $J3$ SHORT)
 $P3-P1$ (WITH $J2$ AND $J1$ SHORT)
: 0.3 MAX. @ 1MHZ
: 0.3 MAX. @ 1MHZ
- 4.0 INTERWINDING CAPACITANCE: $\{P6,P5,P4\}$ TO $\{J6,J3\}$
 $\{P3,P2,P1\}$ TO $\{J2,J1\}$
: 30pf MAX @ 1MHZ
: 30pf MAX. @ 1MHZ
- 5.0 DC RESISTANCE: $\{J6-J3\}=\{J2-J1\}$
: 1.2 ohms Max.



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NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

RECEIVE

6.0 RETURN LOSS: 1MHz TO 30MHz : 18dB MIN.
60MHz TO 80MHz : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 VAC
(J3, J6) TO (P4, P6) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms : 1.1 dB TYP
100KHz TO 100MHz

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS : 3.0 nS MAX
OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX
PULSE WIDTH= 112nS

10.0 CROSS TALK: 1MHz TO 100MHz : 40 dB TYP

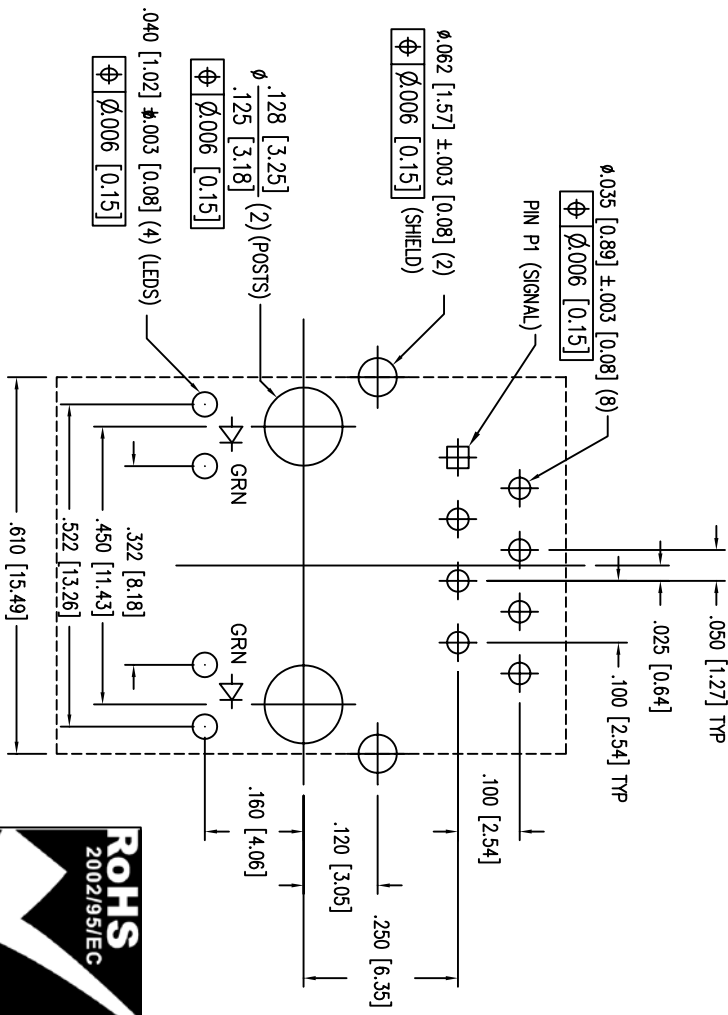
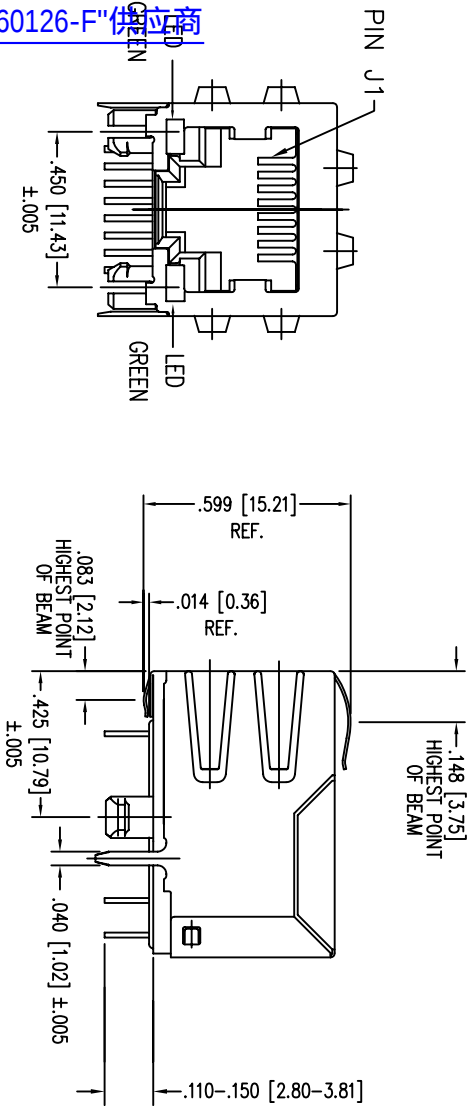
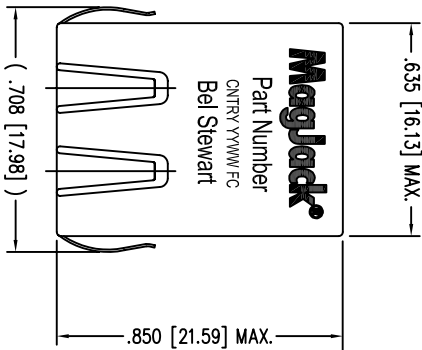
11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP

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LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Forward V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



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



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 $\pm .005$ [0.13]
5. WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

ALL CENTERLINE DIMENSIONS ARE BASIC.

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

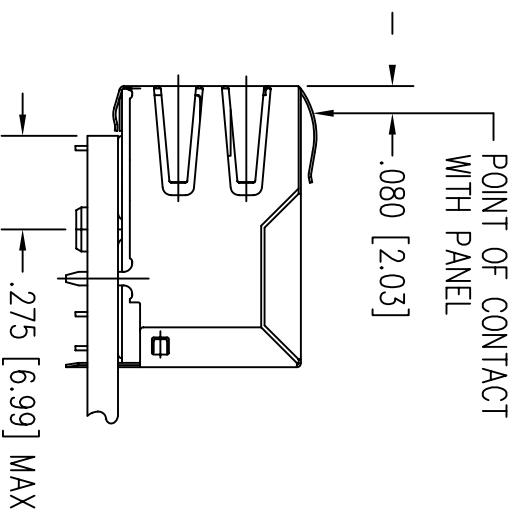
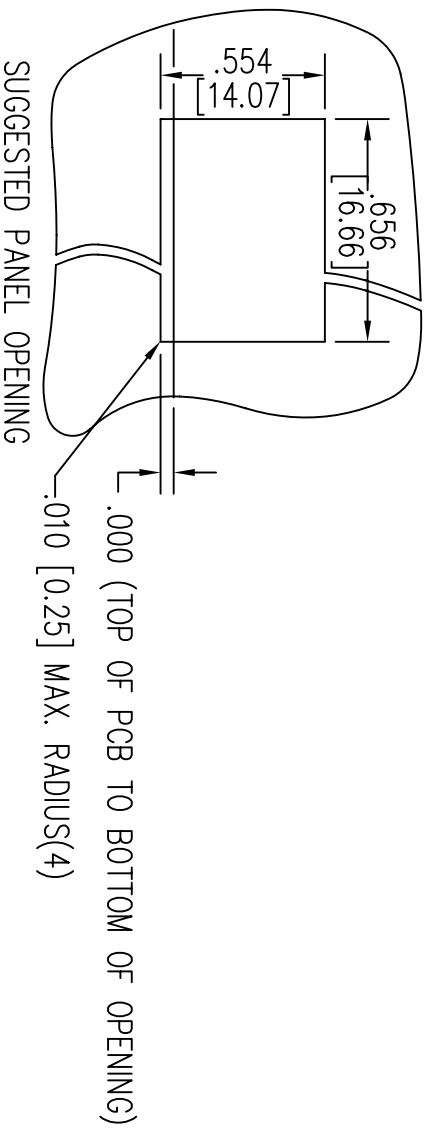
Magjack
<http://www.stewartconnector.com>

SHEET
3 OF 4

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REV.
09



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]

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MagJack

SHEET 4 OF 4

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