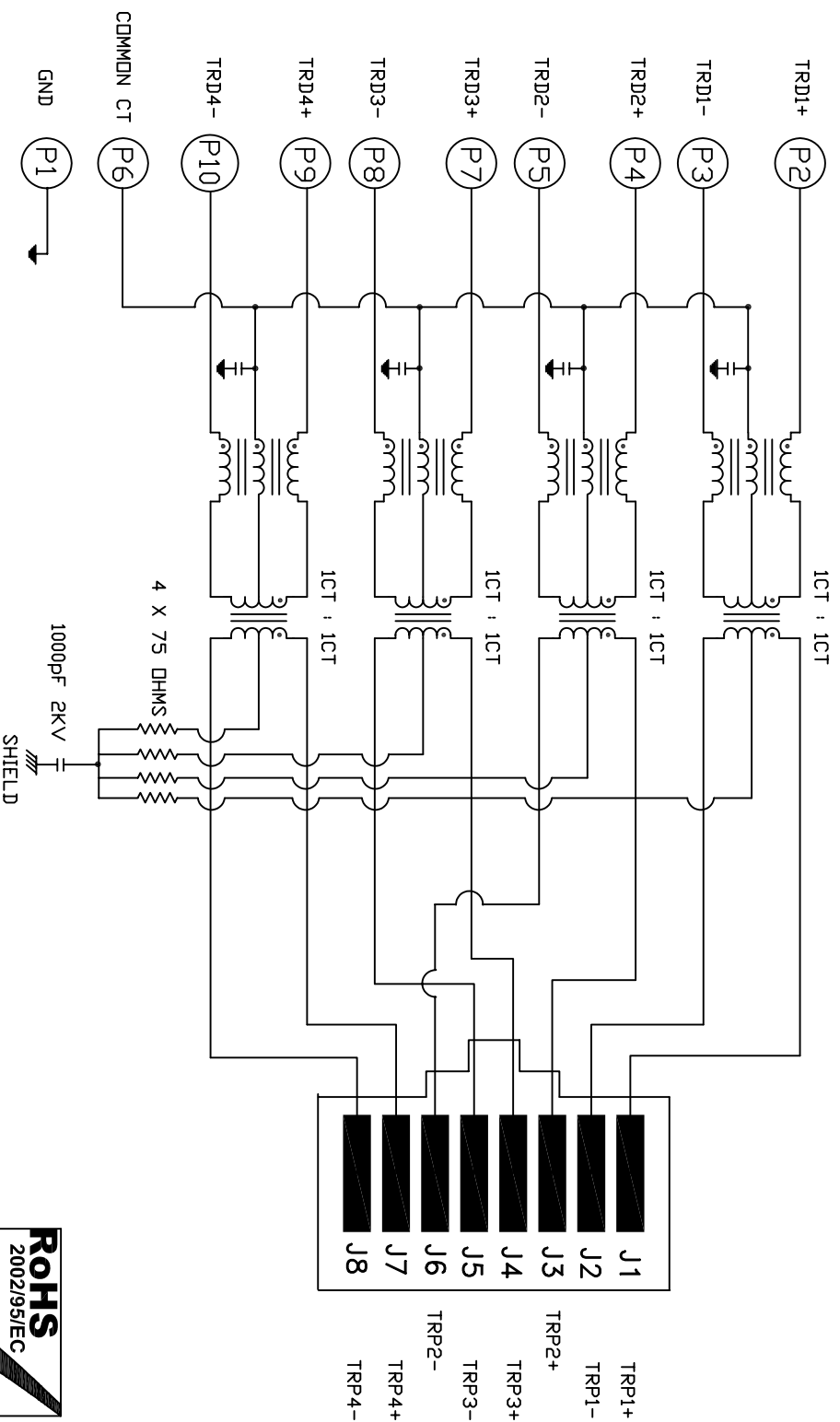




ELECTRICAL SPECIFICATIONS:

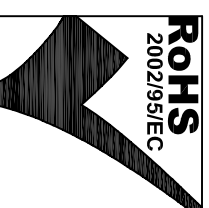
DESIGNED FOR OPERATION FROM –40 TO 85 degrees C

1.0 INDUCTANCE:

(P2–P3)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P4–P5)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P7–P8)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P9–P10)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

2.0 TURNS RATIO:

(P2–P3)	: (J1–J2)	: 1CT : 1CT ± 2%
(P4–P5)	: (J3–J6)	: 1CT : 1CT ± 2%
(P7–P8)	: (J4–J5)	: 1CT : 1CT ± 2%
(P9–P10)	: (J7–J8)	: 1CT : 1CT ± 2%



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

<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-51011-F

REV. X1

MagJack®

3.0 RETURN LOSS: 100 OHM REF.

500kHz TD 40MHz
40MHz TD 100MHz

: -18dB MIN.
: -12+20LOG(f/80MHz) MIN.

4.0 INSERTION LOSS: RS=RL=100 OHMS

100kHz TD 100MHz

: 1.2dB MAX.

5.0 CROSS TALK: Ch1-Ch2, Ch1-Ch3, Ch1-Ch4, Ch2-Ch3, Ch2-Ch4, Ch3-Ch4

1MHz TD 30MHz
30MHz TD 80MHz
80MHz TD 100MHz

: -35dB MIN.
: -24dB MIN.
: -25dB MIN.

6.0 CM TD CM REJECTION:

100kHz TD 100MHz

: -30dB MIN.

7.0 CM TD DM REJECTION:

100kHz TD 100MHz

: -35dB MIN.

8.0 VOLTAGE WITHSTAND:

<J1, J2> TD <P2, P3>
<J3, J6> TD <P4, P5>
<J4, J5> TD <P7, P8>
<J7, J8> TD <P9, P10>

: 1500 Vrms
: 1500 Vrms
: 1500 Vrms
: 1500 Vrms

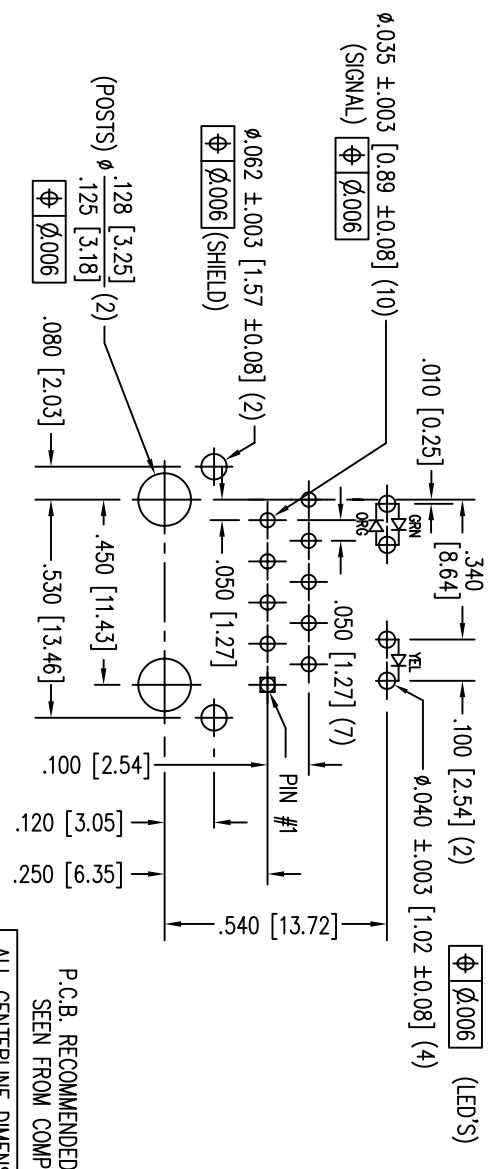
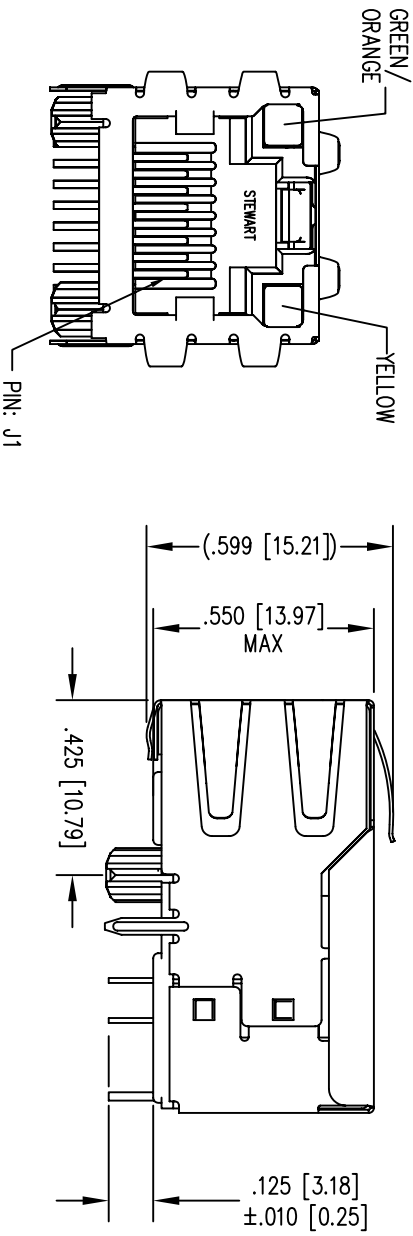
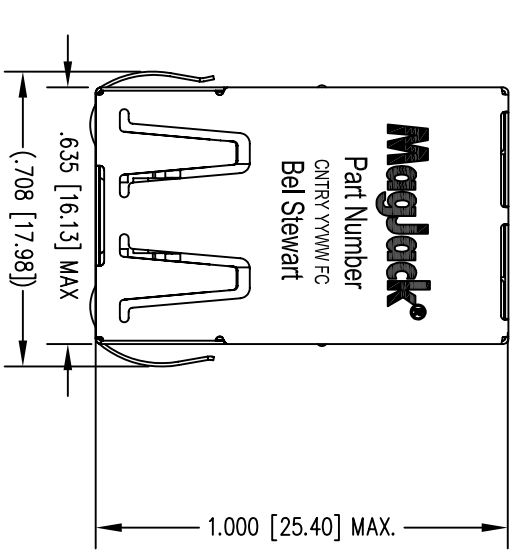
Bel Stewart Connector

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

MagJack

<http://www.stewartconnector.com>

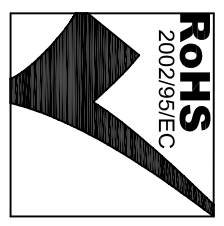
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONTENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.



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

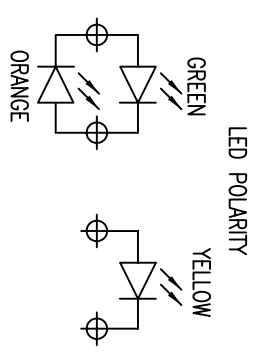
ALL CENTERLINE DIMENSIONS ARE BASIC.

- 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 SECONDS MAX.

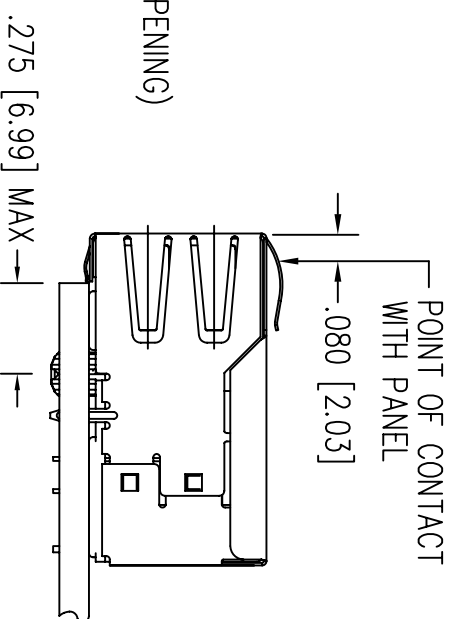
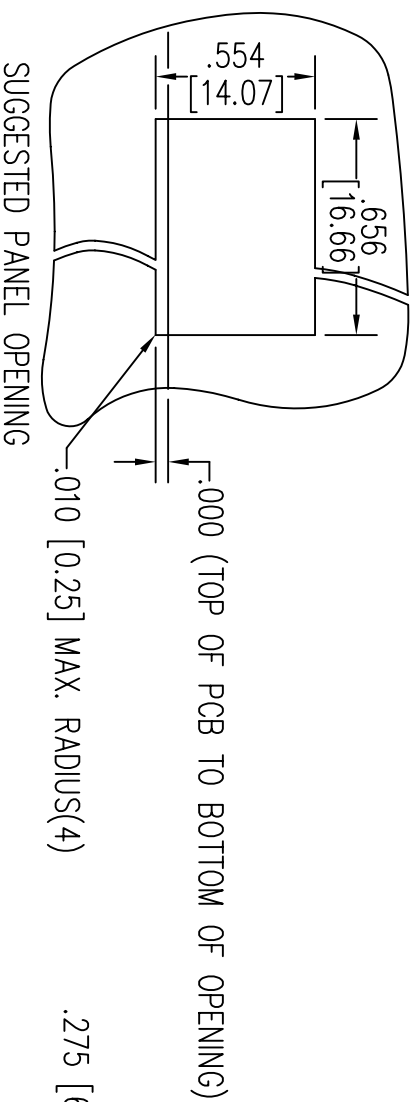


LED SPECIFICATION				
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)	
YELLOW	590 nm	2.5 V	2.1 V	2.1 V
ORANGE	610 nm	2.5 V	2.1 V	2.1 V
GREEN	565 nm	2.5 V	2.2 V	2.2 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



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.



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]

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.