

#### ELECTRICAL SPECIFICATIONS:

- |                               |                              |  |
|-------------------------------|------------------------------|--|
| 1.0 TURNS RATIO:              | (P8-P6-P7) : (J6-J3)         | : 1CT : 1 ± 3%                           |
|                               | (P2-P3-P1) : (J2-J1)         | : 1CT : 1 ± 3%                           |
| 2.0 INDUCTANCE:               | (P7-P8)                      | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
|                               | (P1-P2)                      | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias |
| 3.0 LEAKAGE INDUCTANCE:       | P8-P7 (WITH J6 AND J3 SHORT) | : 0.3 MAX. @ 1MHz                        |
|                               | P2-P1 (WITH J2 AND J1 SHORT) | : 0.3 MAX. @ 1MHz                        |
| 4.0 INTERWINDING CAPACITANCE: | (P8,P6,P7) TO (J6,J3)        | : 30pf MAX @ 1MHz                        |
|                               | (P3,P2,P1) TO (J2,J1)        | : 30pf MAX. @ 1MHz                       |
| 5.0 DC RESISTANCE:            | (J1-J2)                      | : 1.2 ohms Max.                          |
|                               | (P8-P7)                      | : 1.2 ohms Max.                          |

#### NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 ALL RESISTORS ARE ±5% TOLERANCE.

Bel Stewart Connector  
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Glen Rock, Pa 17327-9199  
717.234.7512

**MagJack**

<http://www.stewartconnector.com>

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SI-40277

REV. 11

RECEIVE

6.0 RETURN LOSS: 1MHz TO 30MHz	: -18dB MIN.
30MHz TO 80MHz	: -(19-20 LOG (f/30MHz))
60MHz TO 80MHz	: -12dB MIN.
7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3)	: 1500 VAC
(J3, J6) TO (P8,P7)	: 1500 VAC
8.0 INSERTION LOSS: RS=RL=100 ohms	
1MHz TO 65MHz	: -1.0 dB MAX
65MHz TO 100MHz	: -1.1 dB MAX
9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS	
OUTPUT VOLTAGE = 1 V peak	: 3.0 nS MAX
PULSE WIDTH= 112nS	: 3.0 nS MAX
10.0 CROSS TALK: 1MHz TO 100MHz	: -35 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: -45dB TYP
100MHz TO 200MHz	: -20dB MIN

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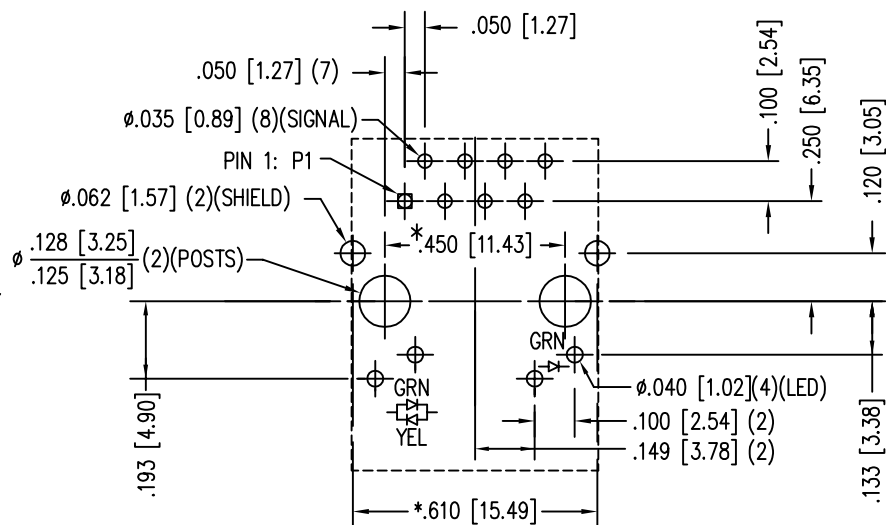
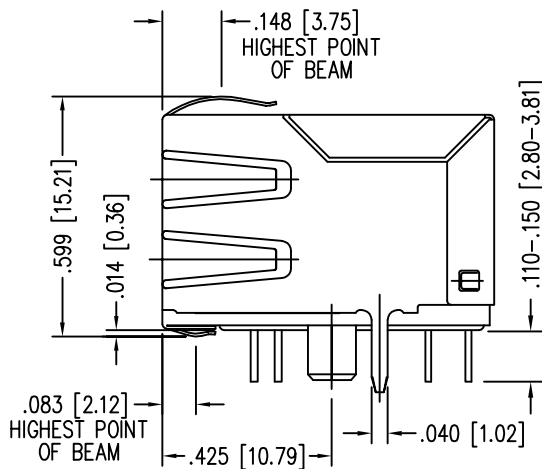
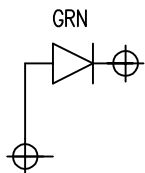
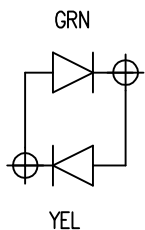
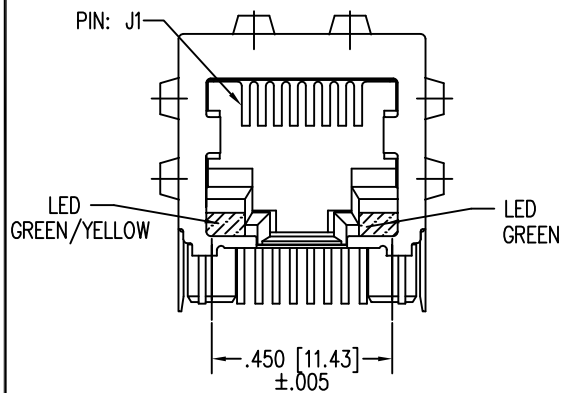
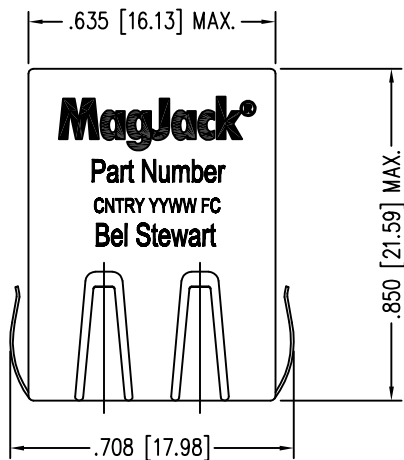
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## BICOLOR LED POLARITY



## LED SPECIFICATION

STANDARD LED	WAVELENGTH	* Forward V (MAX)	(TYP)
GREEN	565 nm	2.5 V	2.1 V
YELLOW	590 nm	2.5 V	2.1 V

\*WITH A FORWARD CURRENT OF 20 mA

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. WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.  
HIGH TEMPERATURE REFLOW COMPATABLE - 230°C/90 SEC MAX.

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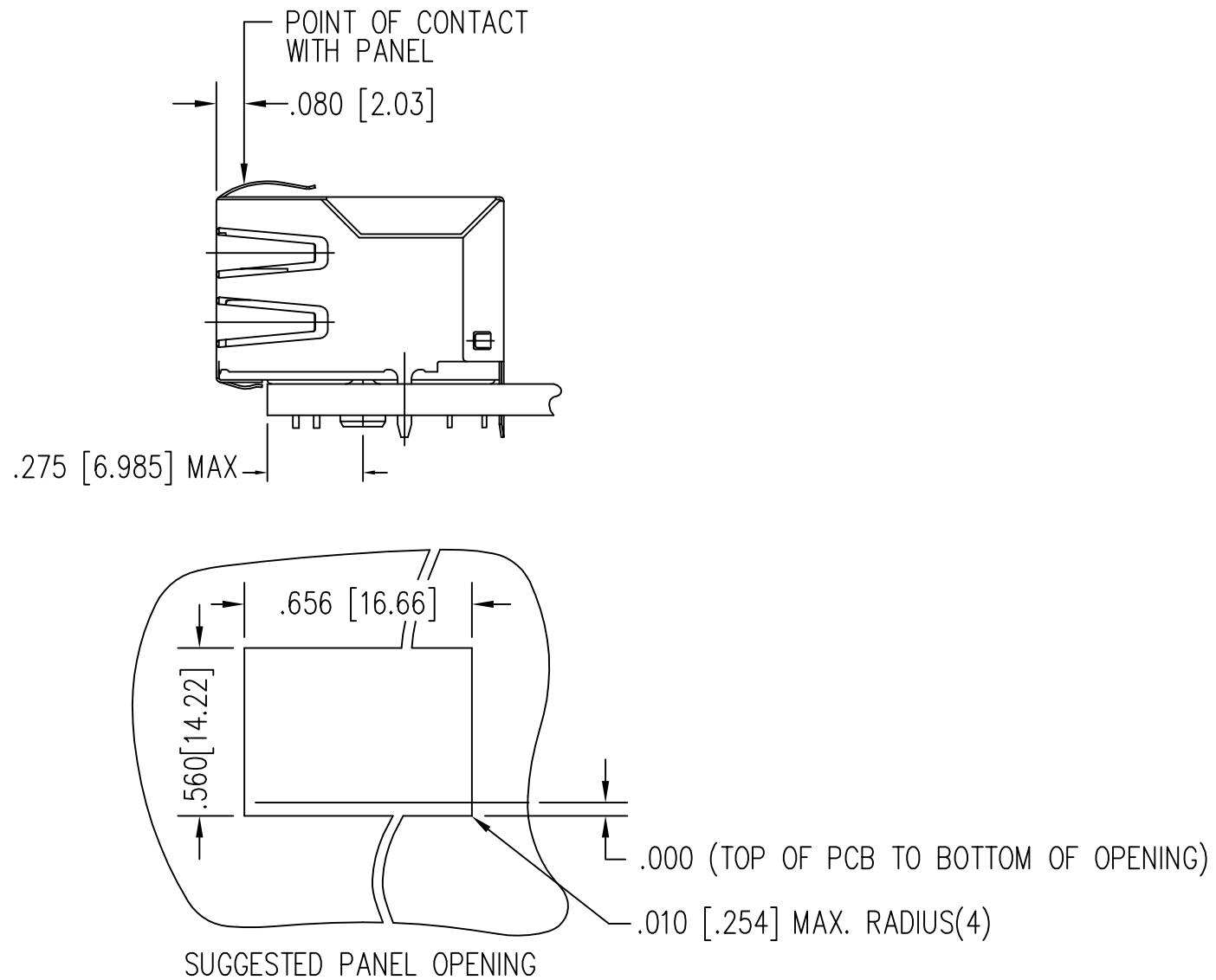
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