

#### ELECTRICAL SPECIFICATIONS:

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

#### NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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

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<http://www.stewartconnector.com>

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DRAWING NO.

SI-40060

REV.  
07

RECEIVE

6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P2)=100 OHM REF.  
1MHz TO 30MHz  
60MHz TO 80MHz

: 18dB MIN.  
: 12dB MIN.

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2)  
(J3, J6) TO (P3, P6)

: 1500 VAC  
: 1500 VAC

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

: 1.1 dB TYP

9.0 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

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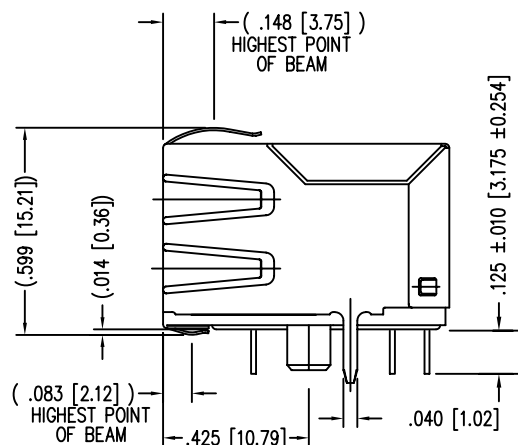
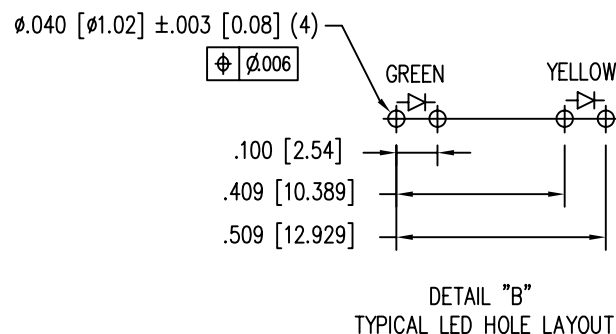
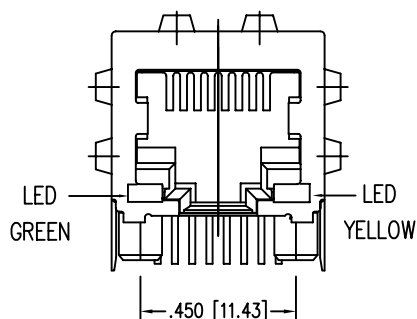
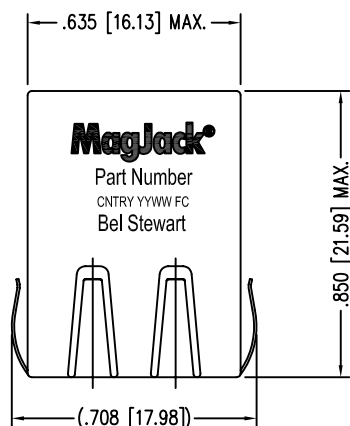
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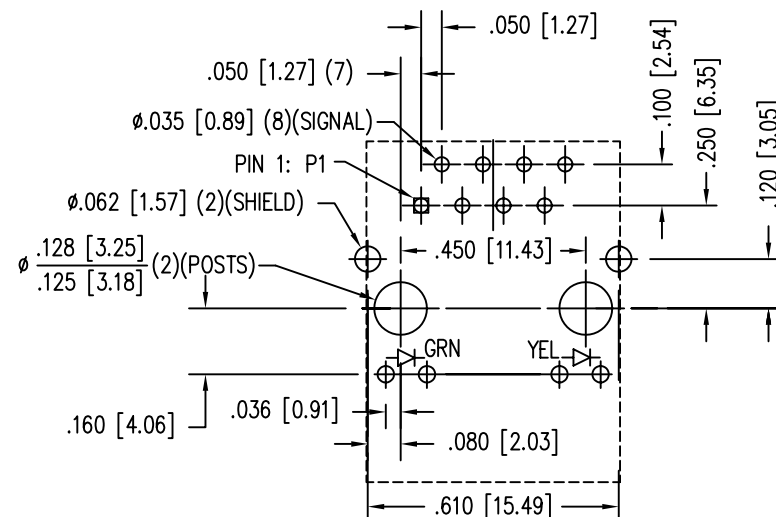
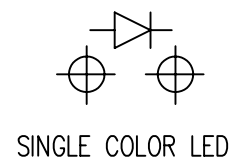
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LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	*(TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

\*WITH A FORWARD CURRENT OF 20 mA (TYP)

## LED POLARITY (ENLARGED VIEW)



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  $\pm 0.005$  [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.  
HIGH TEMPERATURE REFLOW COMPATIBLE - 230°C/90 SEC MAX.

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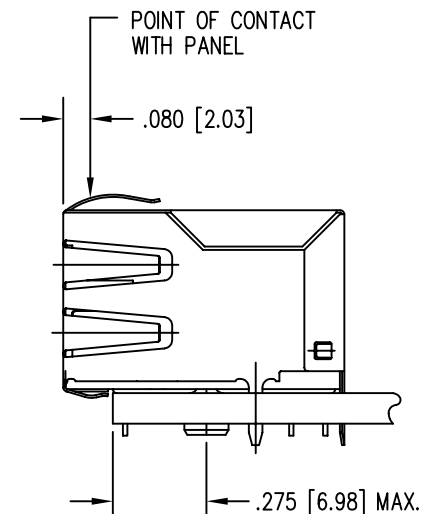
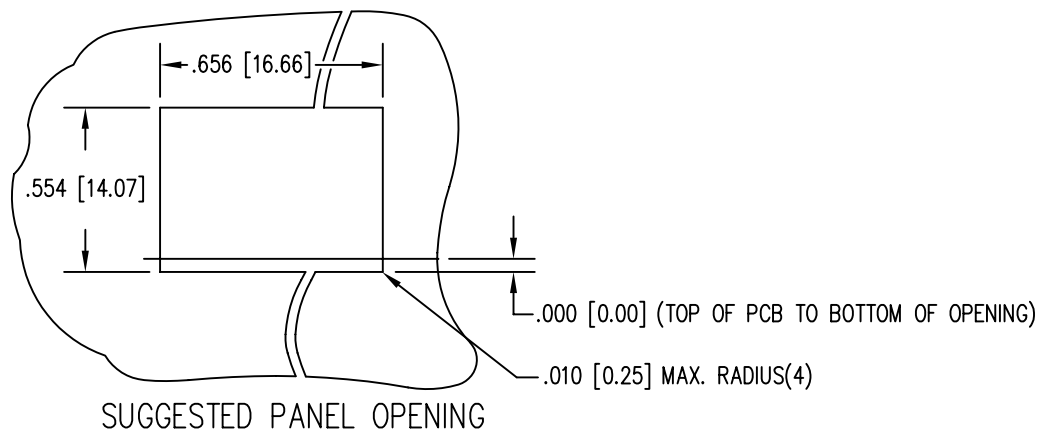
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1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE  $\pm .005$  [0.13]

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