

### NOTES

1.0 COMPLIES WITH THE EUROPEAN DIRECTIVE 2002/95/EC CALLING FOR THE ELIMINATION OF LEAD AND OTHER HAZARDOUS SUBSTANCES FROM ELECTRONICS PRODUCTS

2.0 UNUSED PIN 7 IS OMITTED

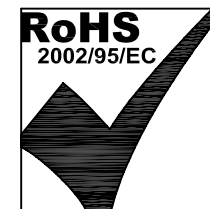
### ELECTRICAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE: : -40°C TO +85°C

1.0 TURNS 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 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.2 ohms Max.



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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SHEET 1 OF 4

DRAWING NO.

SI-60144-F

REV. X2

RECEIVE

4.0 RETURN LOSS:

1MHz TO 30MHz  
60MHz TO 80MHz

: 18dB MIN.  
: 12dB MIN.

8.0 INSERTION LOSS:

100KHz TO 100MHz

: 1.1 dB TYP

10.0 CROSS TALK:

1MHz TO 100MHz

: 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION:

30MHz TO 100MHz

: 35dB 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

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

: 1500 VAC  
: 1500 VAC

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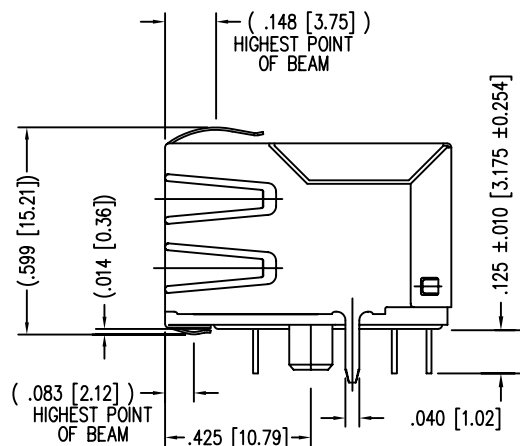
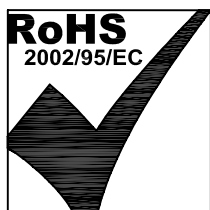
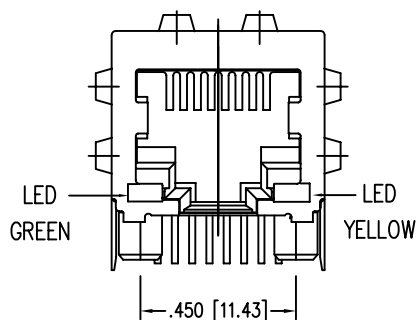
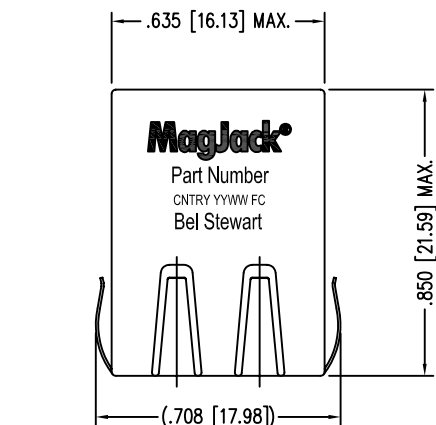
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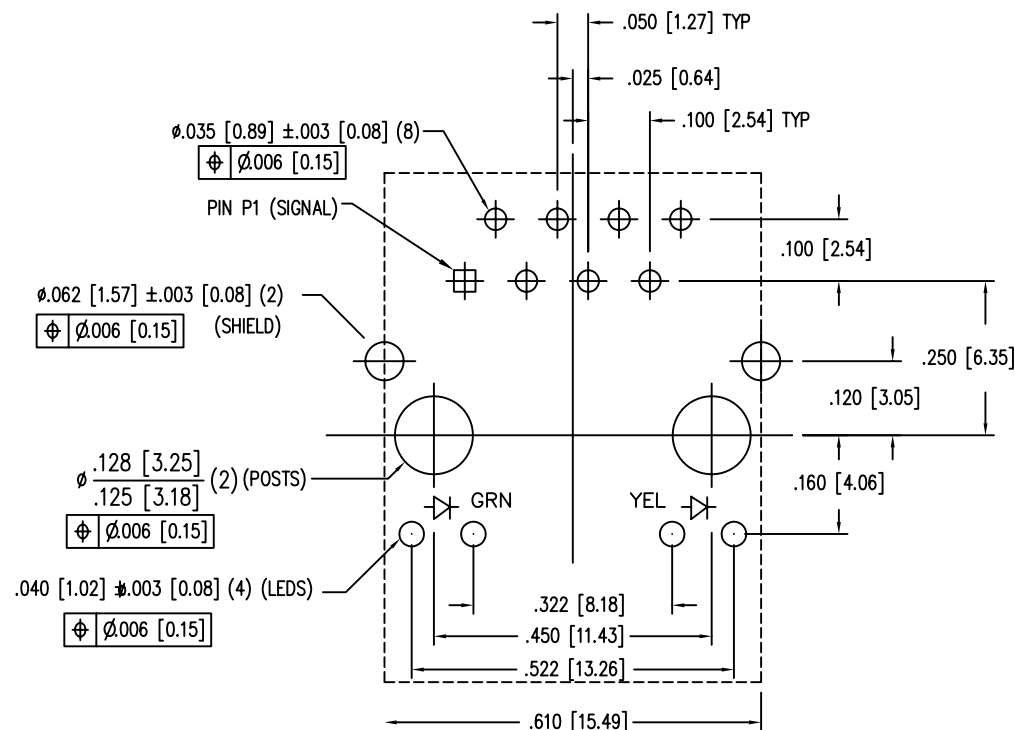
DRAWING NO.  
SI-60144-F

REV.  
X1



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)



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.

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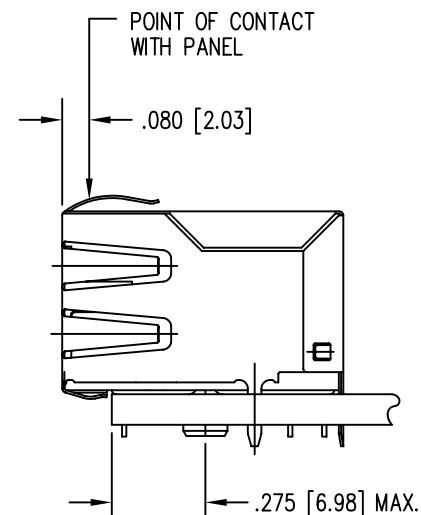
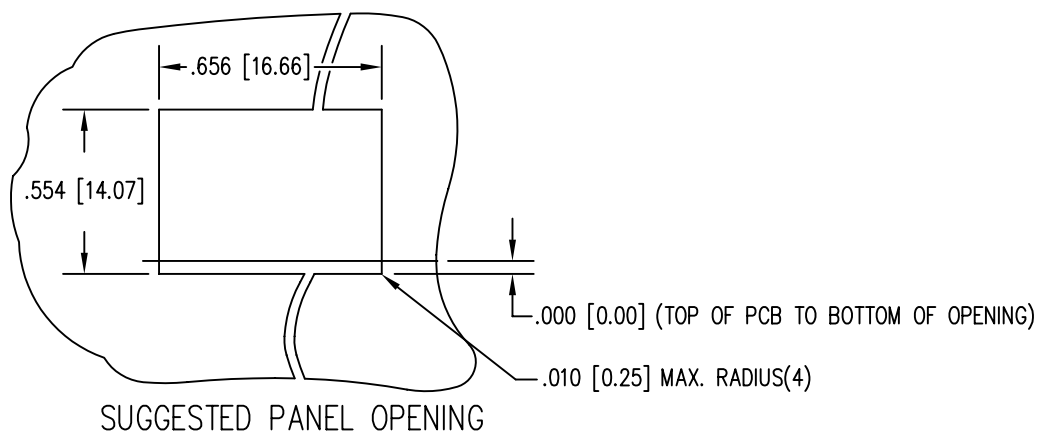
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REV.  
10



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  $\pm 0.005$  [0.13]

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