

#### ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO:  $(P_3 - P_5 - P_6) : (J_3 - J_6)$  :  $(P_1 - P_4 - P_2) : (J_1 - J_2)$  :  $1CT : 1CT \pm 3\%$   
 $(P_1 - P_6) : (J_1 - J_2)$  :  $1CT : 1CT \pm 3\%$

2.0 INDUCTANCE:  $(P_1 - P_2)$  :  $350\mu H$  MIN. @ 0.1V, 100KHz, 8mA DC Bias  
 $(P_3 - P_6)$  :  $350\mu H$  MIN. @ 0.1V, 100KHz, 8mA DC Bias

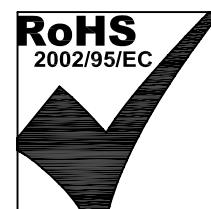
3.0 LEAKAGE INDUCTANCE:  $P_6 - P_3$  (WITH  $J_6$  AND  $J_3$  SHORT) : 0.3 MAX. @ 1MHz  
 $P_2 - P_1$  (WITH  $J_2$  AND  $J_1$  SHORT) : 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE:  $(P_6, P_5, P_3)$  TO  $(J_6, J_3)$  : 30pf MAX @ 1MHz  
 $(P_2, P_4, P_1)$  TO  $(J_2, J_1)$  : 30pf MAX. @ 1MHz

5.0 DC RESISTANCE:  $(J_6 - J_3) = (J_2 - J_1)$  : 1.2 ohms Max.

#### NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.



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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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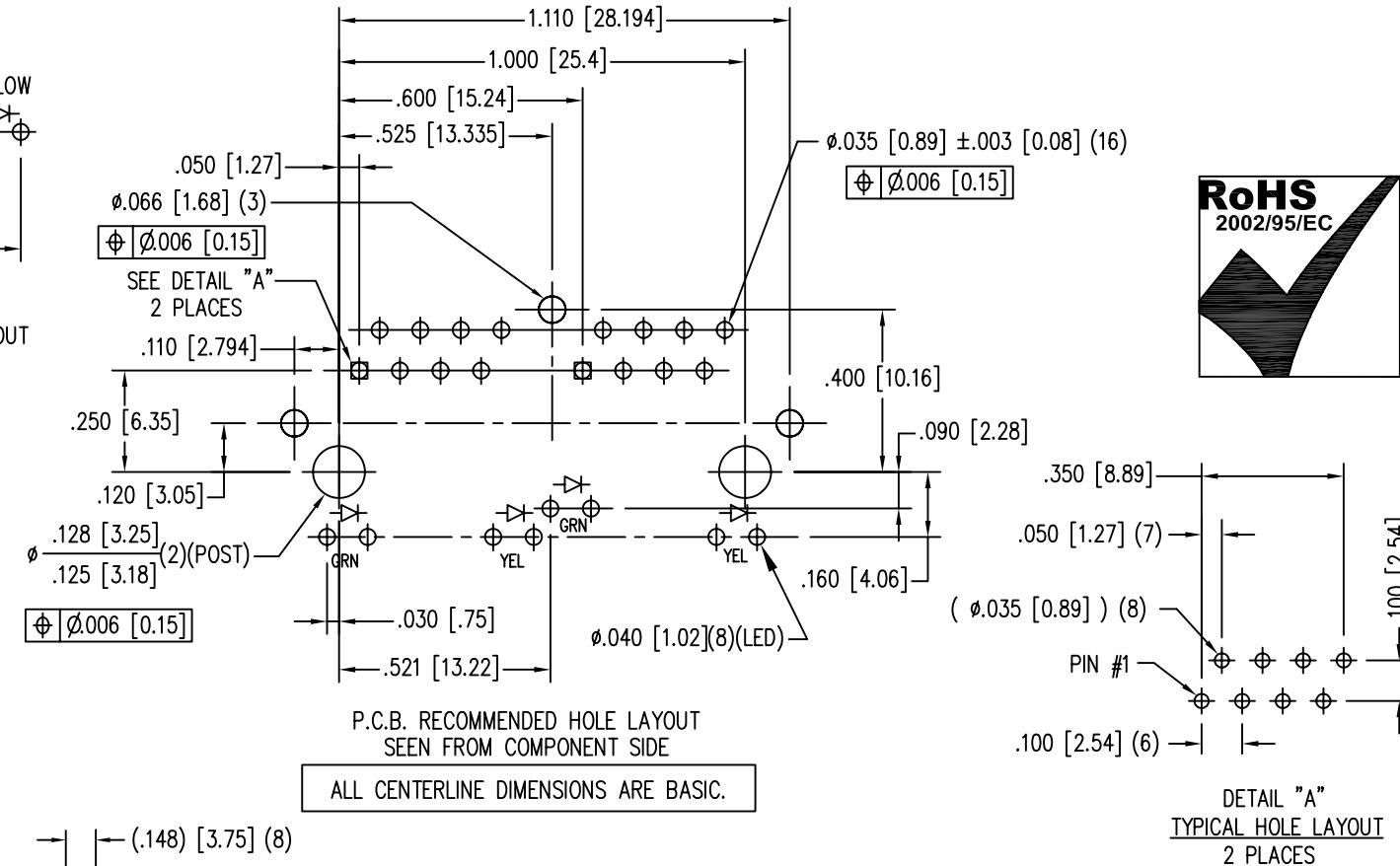
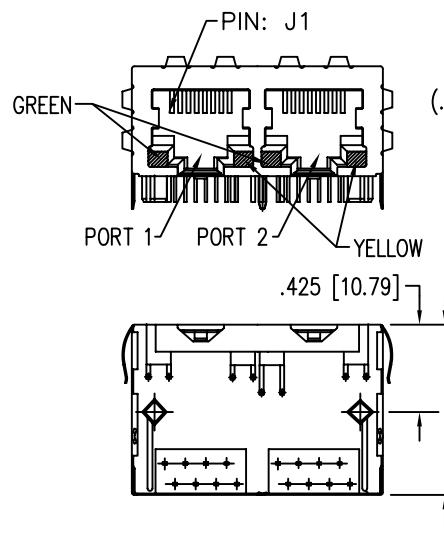
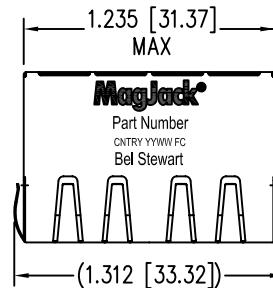
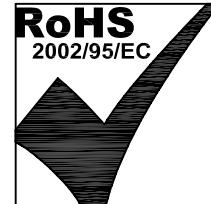
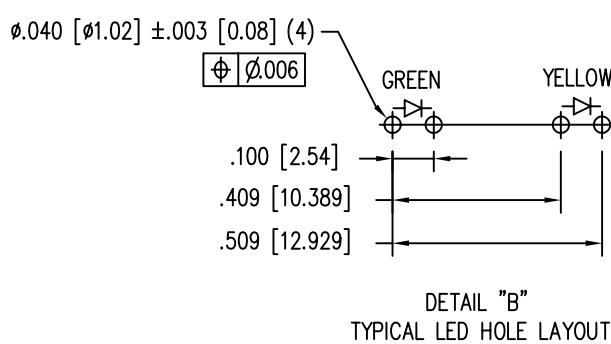
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SHEET  
2 OF 4

DRAWING NO.

SI-60159-F REV. 07



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)

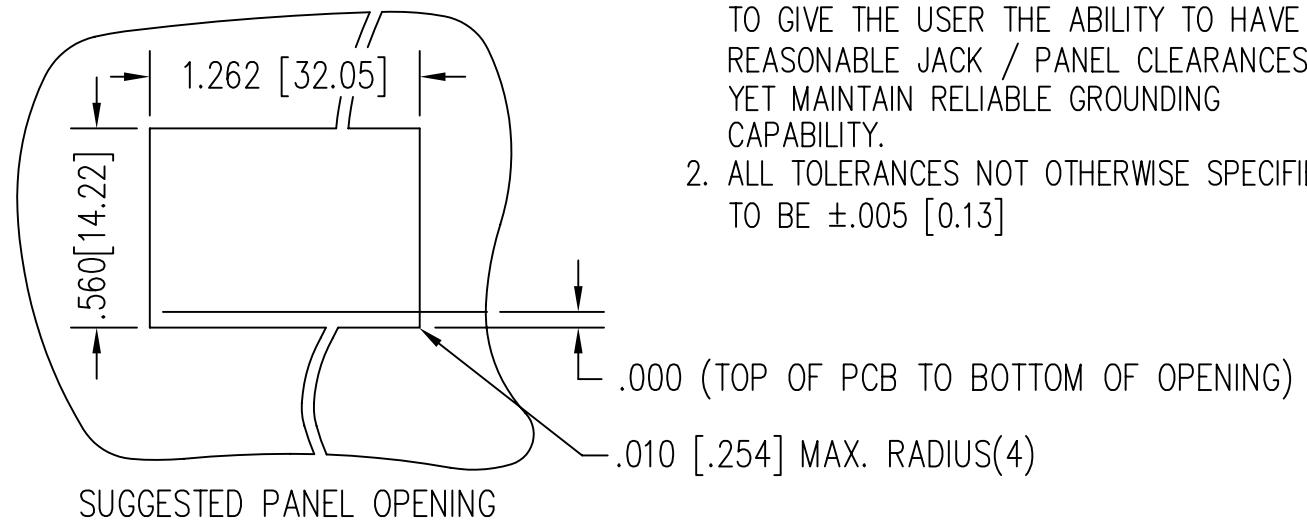
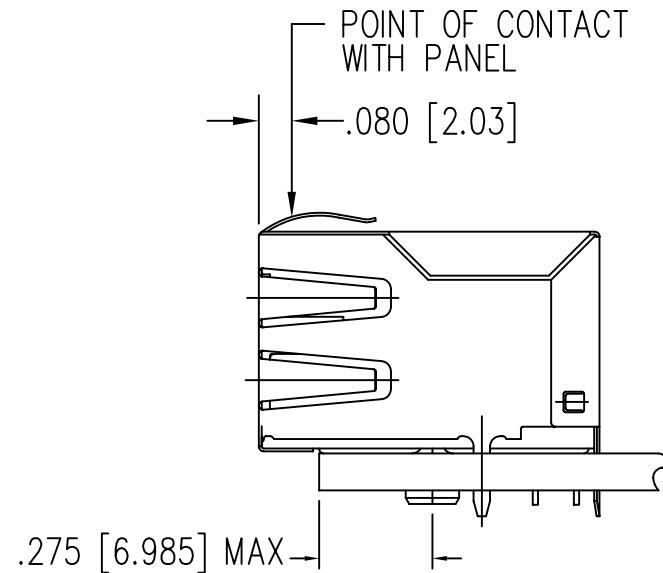
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1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE  $\pm .005$  [0.13]

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