

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: $\{P_3-P_5-P_6\} : \{J_3-J_6\}$	: $1CT : 1CT \pm 3\%$	1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
$\{P_1-P_4-P_2\} : \{J_1-J_2\}$	: $1CT : 1CT \pm 3\%$	
2.0 INDUCTANCE: $\{P_1-P_2\}$	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias	
$\{P_3-P_6\}$	: 350uH 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

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RECEIVE

6.0 RETURN LOSS:  $(P_6 - P_4) = 100$  OHMS AND  $(P_1 - P_2) = 100$  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:  $\{J_1, J_2\}$  TO  $\{P_1, P_2\}$   
 $\{J_3, J_6\}$  TO  $\{P_3, P_6\}$

: 1500 VAC  
: 1500 VAC

8.0 INSERTION LOSS:  $R_S = R_L = 100$  ohms  
100KHz TO 100MHz

: 1.1 dB TYP

9.0 RISE TIME:  $R_S = 100$  OHMS AND  $R_L = 100$  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

12.0 OPERATING TEMPERATURE

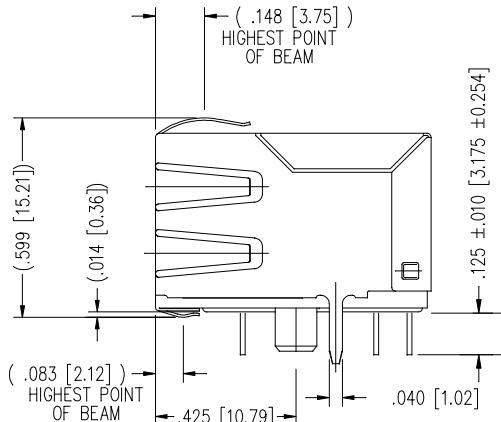
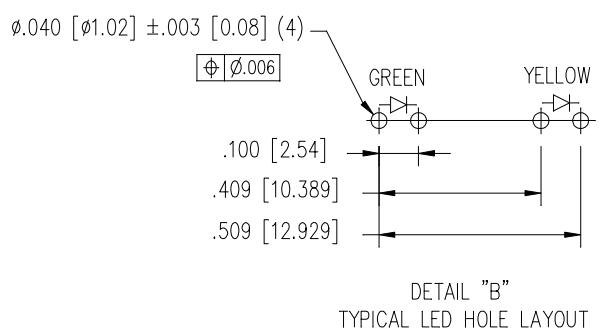
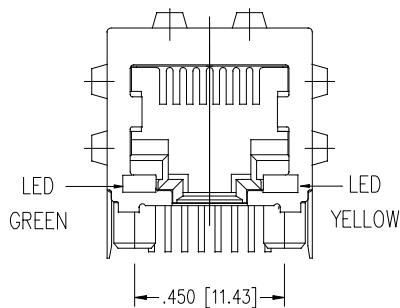
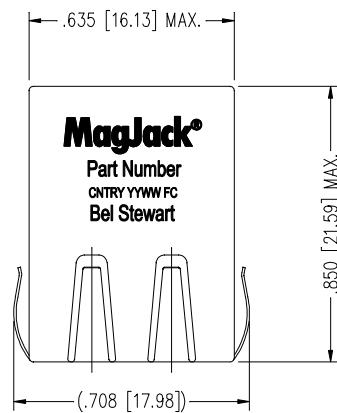
: 0°C TO 70°C

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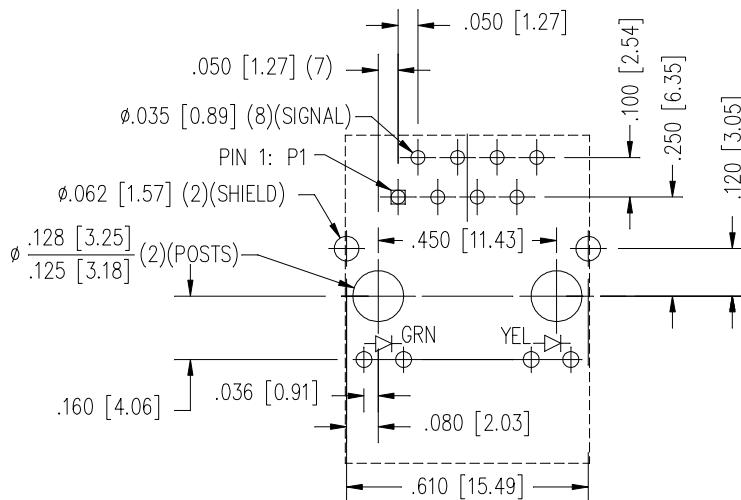
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SHEET 2 OF 4 DRAWING NO. SI-40060 REV. 09

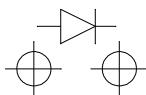


LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	*(TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

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



### LED POLARITY (ENLARGED VIEW)



SINGLE COLOR LED

P.C.B. RECOMMENDED HOLE LAYOUT  
SEEN FROM COMPONENT SIDE  
ALL CENTERLINE DIMENSIONS ARE BASIC.

NOTES:

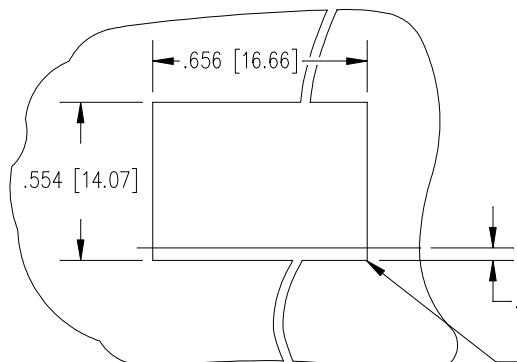
1. CONNECTOR MATERIALS:  
HOUSING: THERMOPLASTIC UL94 V-0  
CONTACT/SHIELD: COPPER ALLOY  
SHIELD PLATING: NICKEL OR TIN  
CONTACT PLATING: SELECTIVE GOLD,  
50 MICRO-INCHES MIN. IN CONTACT AREA.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.  
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES 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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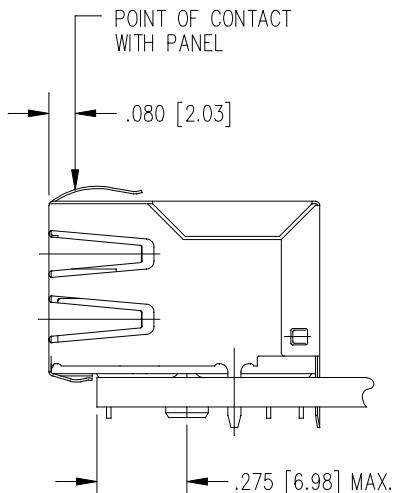
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SUGGESTED PANEL OPENING



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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