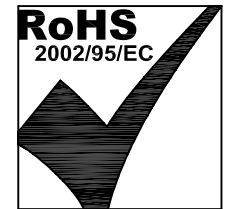


ELECTRICAL SPECIFICATIONS:

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

NOTES

- 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
- 2.0 ALL RESISTORS ARE ±5% TOLERANCE.



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SHEET 1 OF 4

DRAWING NO. SI-60061-F REV. 03

RECEIVE

- 6.0 RETURN LOSS: 1MHz TO 30MHz : -18dB MIN.
30MHz TO 80MHz : $-(19-20 \text{ LOG } (f/30\text{MHz}))$
60MHz TO 80MHz : -12dB MIN.
- 7.0 DIELECTRIC WITHSTAND: (J3, J6) TO (P1, P2) : 1500 VAC
(J1, J2) TO (P5,P6) : 1500 VAC
- 8.0 INSERTION LOSS: RS=RL=100 ohms : 1.1 dB TYP
100KHz TO 100MHz
- 9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS : 3.0 nS MAX
OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX
PULSE WIDTH= 112nS
- 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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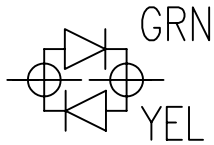
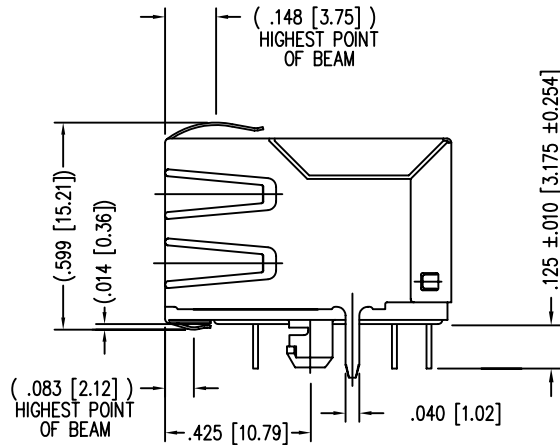
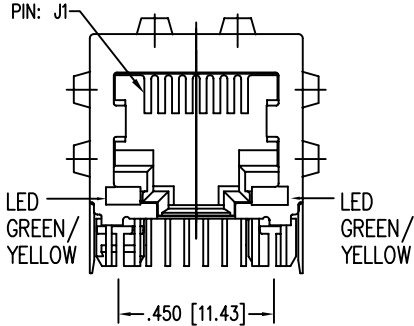
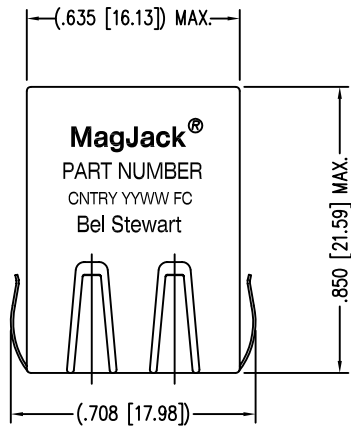
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DRAWING NO.
SI-60061-F

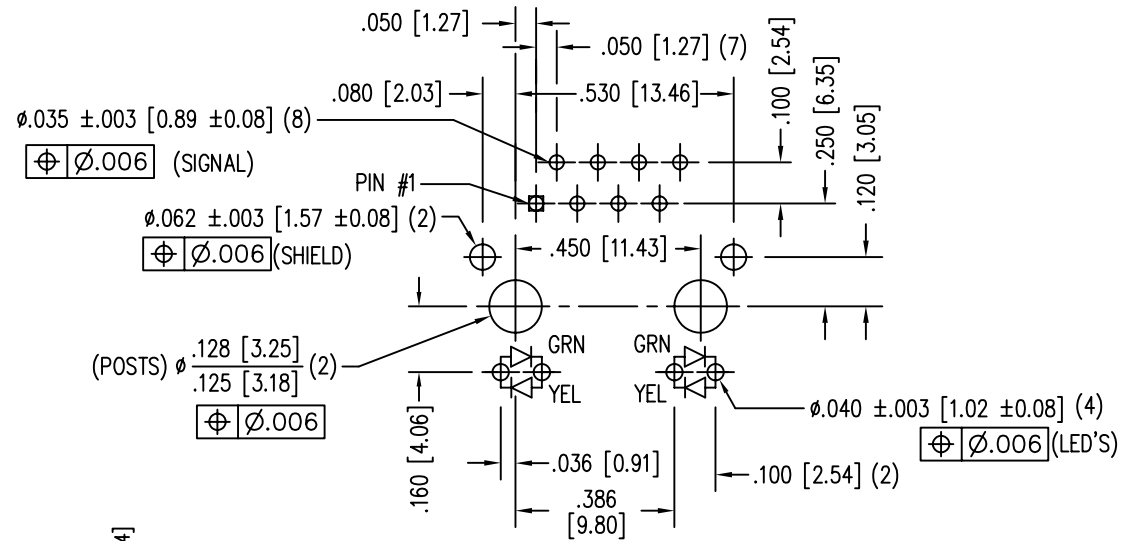
REV.
02



TYP. LED POLARITY

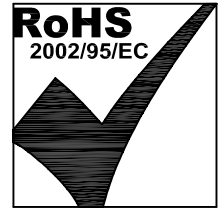
LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*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. WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.

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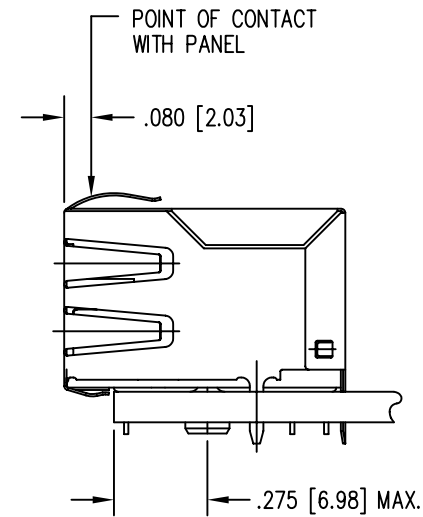
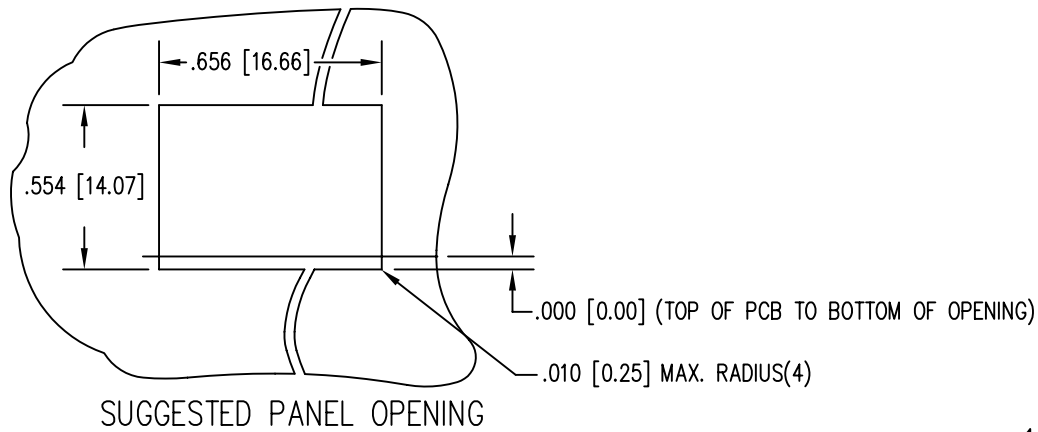
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SHEET
3 OF 4

DRAWING NO.
SI-60061-F

REV.
07

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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 ± 0.005 [0.13]

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SHEET
4 OF 4

DRAWING NO.
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REV.
05