

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 ALL RESISTORS ARE ±5% TOLERANCE.

ELECTRICAL SPECIFICATIONS:

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

1.0 TURNS RATIO: (P6-P4-P5) : (J2-J1) (P2-P3-P1) : (J6-J3) : 1CT : 1 ± 3% : 1CT : 1 ± 3%

2.0 INDUCTANCE: (P5-P6) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias, -40°C TO +85°C

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias, -40°C TO +85°C RoHS (P1-P2)

3.0 LEAKAGE INDUCTANCE: P5-P6 (WITH J2 AND J1 SHORT) : 0.3 MAX. @ 1MHz P2-P1 (WITH J6 AND J3 SHORT)

: 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P6,P4,P5) TO (J2,J1) (P3,P2,P1) TO (J6,J3) : 30pf MAX @ 1MHz : 30pf MAX. @ 1MHZ

5.0 DC RESISTANCE: (J1-J2), (J3-J6) (P5-P6), (P2-P1) : 1.2 ohms Max. : 1.2 ohms Max.

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

MagJack http://www.stewartconnector.com

SHEET 1 OF 4

DRAWING NO. . SI-60180-F

2002/95/EC

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<u>RECEIVE</u>

6.0 RETURN LOSS: 1MHz TO 30MHz : -18dB MIN.

30MHz TO 60MHz : -(19-20 LOG (f/30MHz))

60MHz TO 80MHz : -12dB MIN.

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

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P2) : 1500 VAC

(J3, J6) TO (P5,P6) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms

1MHz TO 65MHz : −1.0 dB MAX

65MHz TO 100MHz : -1.1 dB MAX

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS

OUTPUT VOLTAGE = 1 V peak : 3.0 nS MAX

PULSE WIDTH= 112nS : 3.0 nS MAX

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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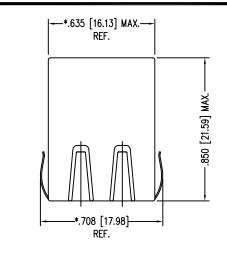
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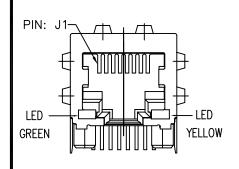
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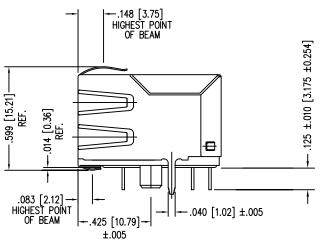
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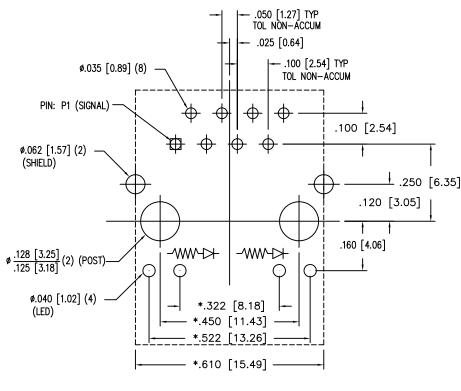
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P.C.B. RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE TOLERANCE ±.003 [0.08] UNLESS OTHERWISE SPECIFIED

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. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE USER THE ABILITY TO HAVE REASONABLE JACK/PANEL CLEARANCES, YET MAINTAIN GROUNDING CAPABILITY.
- 5. WAVE SOLDER COMPATIBLE PREHEAT 125℃/90SECS.

CT720034X1/24-0205



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

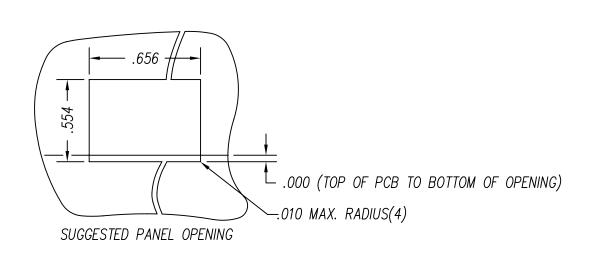
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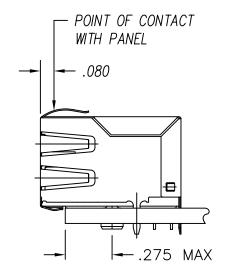
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SHEET DRAW

DRAWING NO. SI-60180-F

F REV.