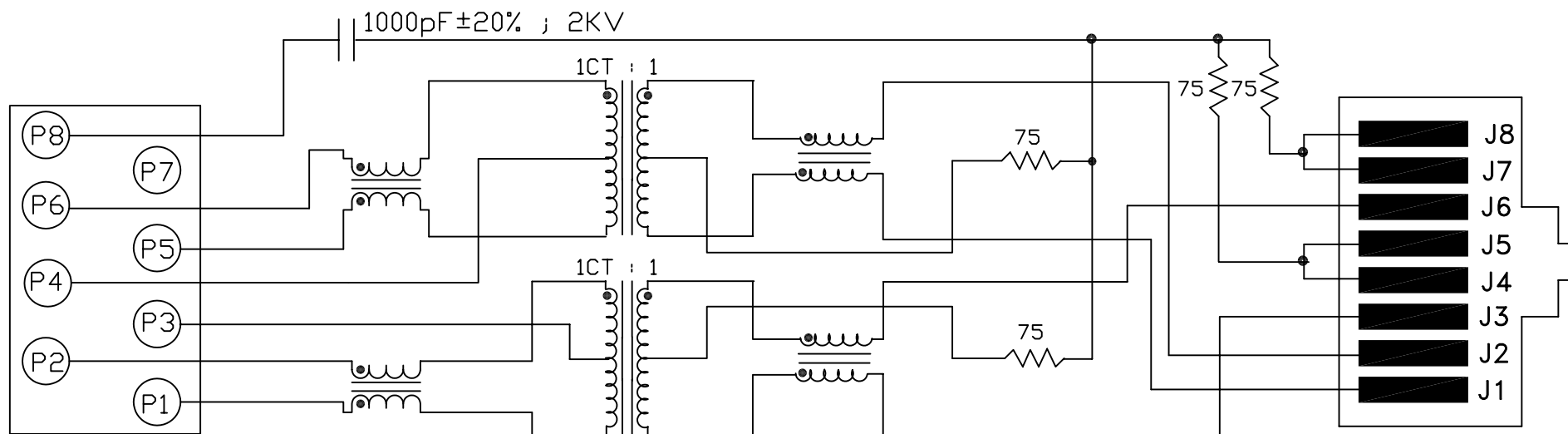




NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 ALL RESISTORS ARE ±5% TOLERANCE.

ELECTRICAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE:

: -40°C TO +85°C

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)
(P1-P2)

: 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

3.0 LEAKAGE INDUCTANCE: P5-P6 (WITH J2 AND J1 SHORT)
P2-P1 (WITH J6 AND J3 SHORT)

: 0.3 MAX. @ 1MHz
: 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.



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Glen Rock, Pa 17327-9199
717.234.7512

MagJack®

<http://www.stewartconnector.com>

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SHEET
1 OF 4

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REV.
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RECEIVE

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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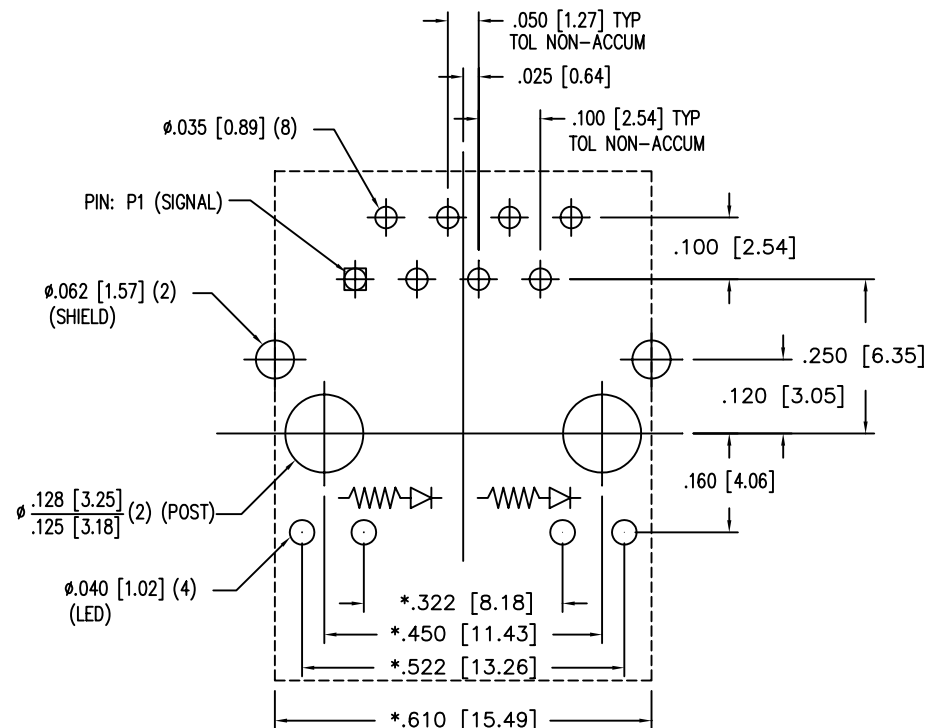
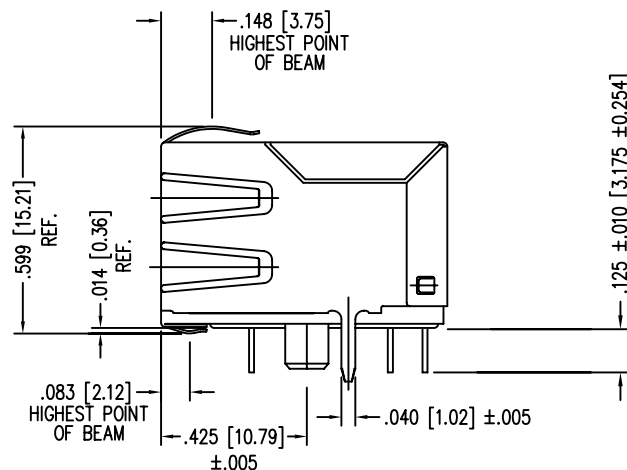
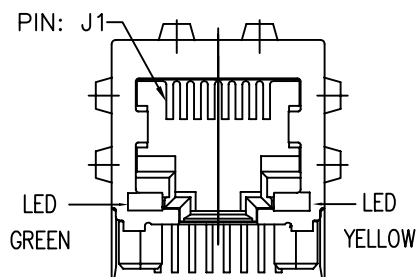
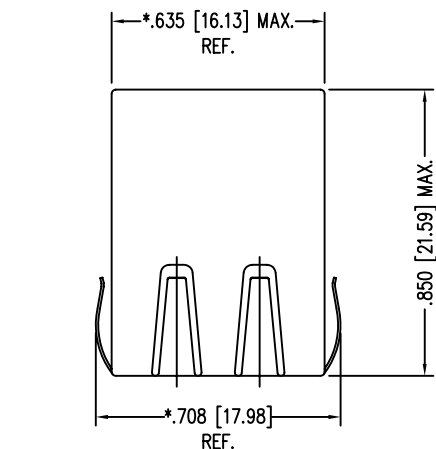
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SHEET
2 OF 4

DRAWING NO.
SI-60180-F

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02

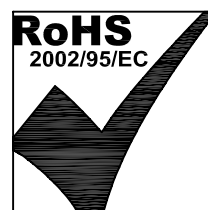


P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE ± 0.003 [0.08] UNLESS OTHERWISE SPECIFIED

NOTES:

- 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.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE
USER THE ABILITY TO HAVE REASONABLE JACK/PANEL
CLEARANCES, YET MAINTAIN GROUNDING CAPABILITY.
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/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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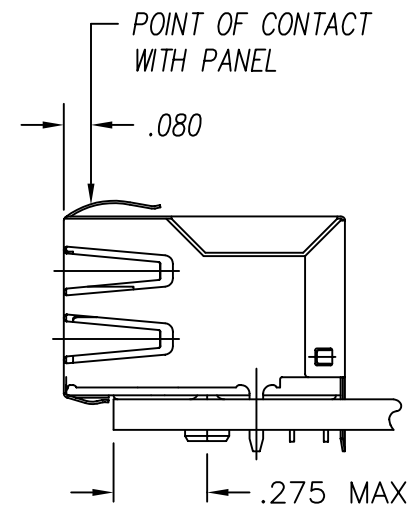
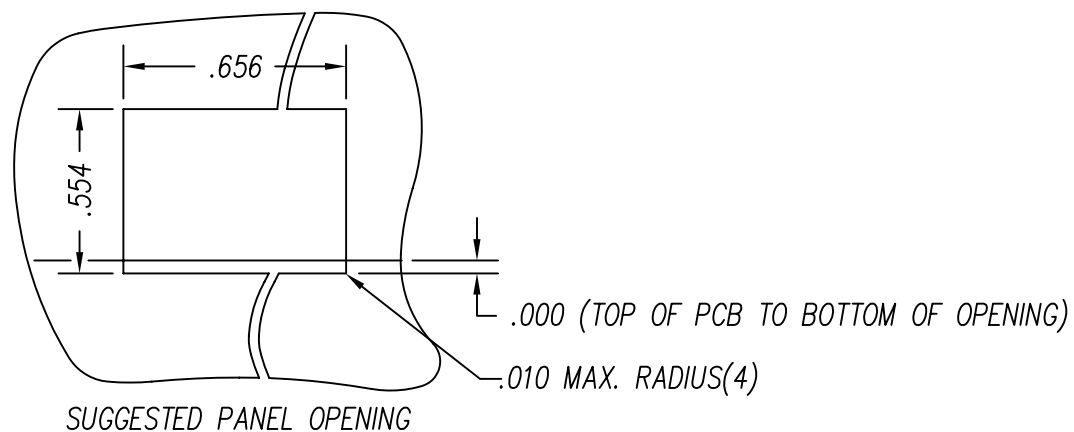
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SHEET
3 OF 4

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4 OF 4

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