

ELECTRICAL SPECIFICATIONS:

- 1.0 TURNS RATIO: (P8-P6-P7) : (J3-J6) : 1CT : 1CT ± 3%
(P4-P5-P3) : (J1-J2) : 1CT : 1CT ± 3%
- 2.0 INDUCTANCE: (P8-P7) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P3-P4) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0 LEAKAGE INDUCTANCE: P8-P7 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz
P3-P4 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz
- 4.0 INTERWINDING CAPACITANCE: (P8,P6,P7) TO (J6,J3) : 25pf TYP @ 1MHz
(P3,P5,P4) TO (J2,J1) : 25pf TYP @ 1MHz
- 5.0 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.4 ohms Max.

NOTES

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

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

MagJack

<http://www.stewartconnector.com>

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SI-50032 REV. 01

RECEIVE

6.0 RETURN LOSS: (P8-P7)=100 OHMS AND (P3-P4)=100 OHM REF.
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 (P3, P4) : 1500 VAC
(J3, J6) TO (P8, P7) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms : -1.1 dB MAX
1-65MHz

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: 1-65MHz : -35 dB MIN

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : -30dB MAX
100MHz TO 130MHz : -20dB MAX

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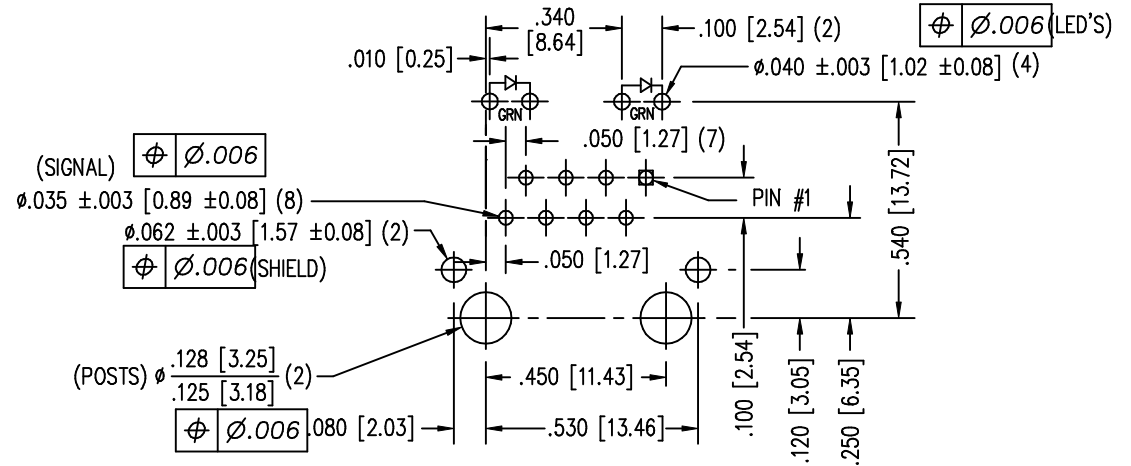
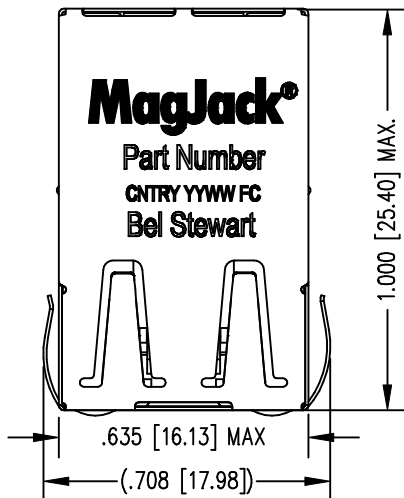
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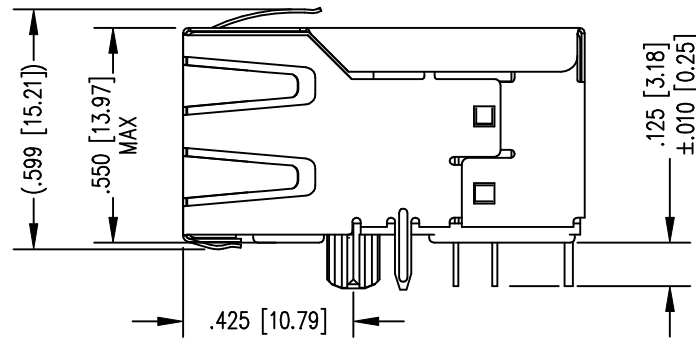
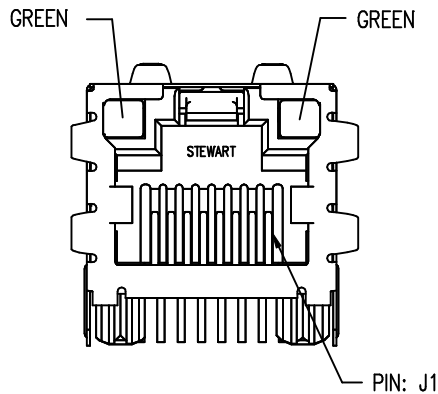
SI-50032

REV.
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P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

ALL CENTERLINE DIMENSIONS ARE BASIC.



LED SPECIFICATION

STANDARD LED	WAVELENGTH	* Forward V (MAX)	(TYP)
GREEN	565 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA

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.
HIGH TEMPERATURE REFLOW COMPATABLE - 230°C/90 SEC MAX.

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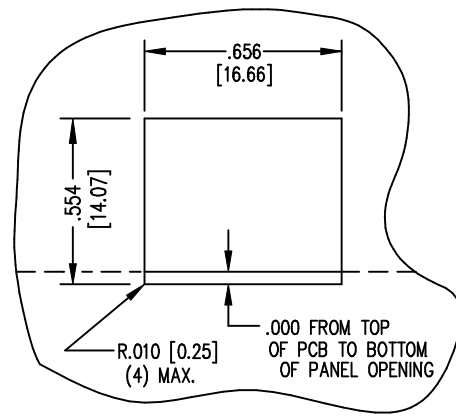
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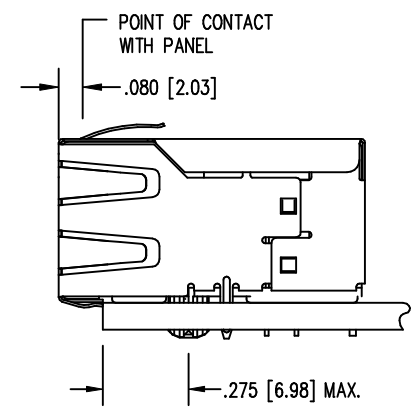
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SI-50032 REV. 07



SUGGESTED PANEL OPENING



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