

NOTES:

- 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
- 2.0 HIGH TEMPERATURE REFLOW COMPATABLE.

ELECTRICAL SPECIFICATIONS:

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

: $1CT : 1 \pm 3\%$

2.0 INDUCTANCE: (P6-P4) : 350uH MIN. @ 0.1V,

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias 100KHz, 8mA DC Bias (P3-P1)

3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J2 AND J1 SHORT) : 0.3uH MAX. @ 1MHz

P3-P1 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz

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

: 30pf MAX. @ 1MHZ

5.0 DC RESISTANCE: (J6-J3) : 1.2 ohms Max. (P6-P4) : 1.2 ohms Max.

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

http://www.stewartconnector.com

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717.234.7512

SI - 60036

RECEIVE

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

60MHz TO 80MHz : 12dB MIN.

7.0 DIELECTRIC WITHSTAND: (J3, J6) TO (P1, P3) (J1, J2) TO (P6,P4) : 1500 VAC

: 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms

100KHz TO 100MHz : 1.1 dB TYP

9.0 RISE TIME:

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 : 35dB TYP

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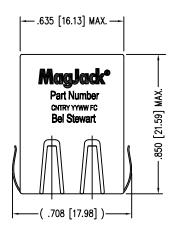
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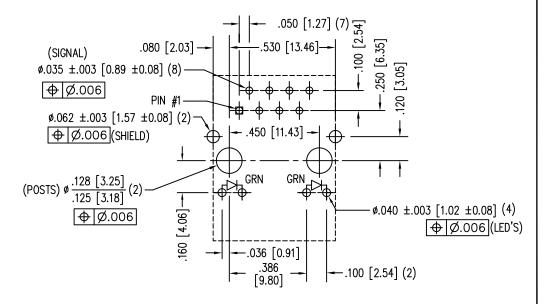
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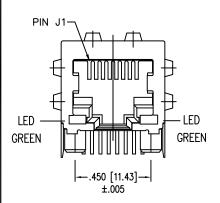
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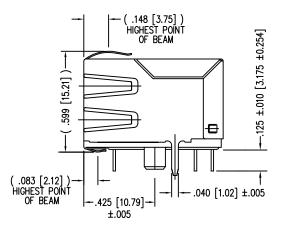
DRAWING NO.

SI - 60036









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

ALL CENTERLINE DIMENSIONS ARE BASIC.

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.
- 3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- 4. WAVE SOLDER COMPATIBLE PREHEAT 125°C/90SECS. HIGH TEMPERATURE REFLOW COMPATABLE - 230°C/90 SEC MAX.

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

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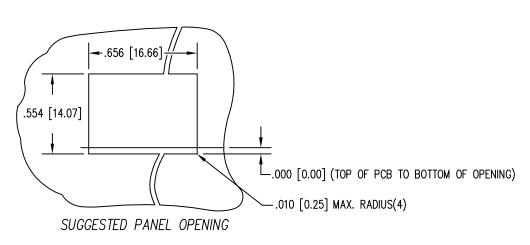
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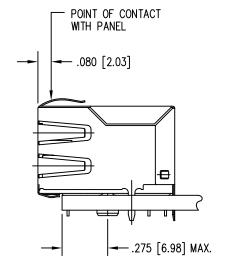
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SHEET DRAWING NO.

SI-60036 REV. 1





THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

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EWART SHEET 4 OF 4

DRAWING NO.

SI-60036 REV. 12