

## **ELECTRICAL SPECIFICATIONS:**

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

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

2.0 INDUCTANCE: (P6-P4) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias (P3-P1) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P6-P4 (WITH J6 AND J3 SHORT) : 0.3 MAX. @ 1MHz P3-P1 (WITH J2 AND J1 SHORT) : 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3) : 40pf MAX @ 1MHz (P3,P2,P1) TO (J2,J1) : 40pf MAX. @ 1MHZ

5.0 DC RESISTANCE: (J6-J3)=(J2-J1) : 1.2 ohms Max.

<u>NOTES</u>

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.



Bel Stewart Connector
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Glen Rock, Pa 17327-9199 717.234.7512

SHEET

Maglack

http://www.stewartconnector.com

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SI-60118-F

REV. 03

RECEIVE

6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.

1MHz TO 30MHz : 18dB MIN. : 12dB MIN. 60MHz TO 80MHz

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

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

: 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms

100KHz TO 100MHz : 1.1 dB TYP

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

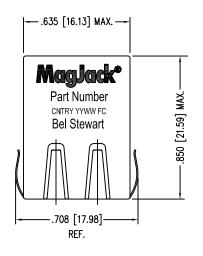
10.0 CROSS TALK: 1MHz TO 100MHz : 40 dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP

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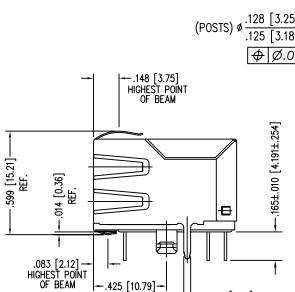
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PIN J1

LED

**GREEN** 



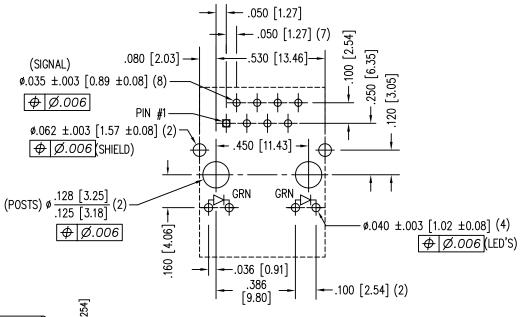
.040 [1.02]

| 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 (TYP)

**GREEN** 

<del>---</del> .450 [11.43]<del>--</del>



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

ALL CENTERLINE DIMENSIONS ARE BASIC.



## NOTES:

- 1. CONNECTOR MATERIALS:
  - HOUSING: THERMOPLASTIC UL94 V-O 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]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

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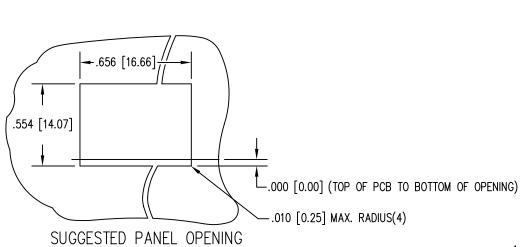
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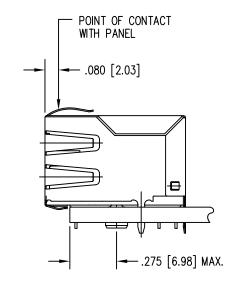
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- 1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

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