

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: (P8-P6-P7) : (J6-J3) (P2-P3-P1) : (J2-J1) : 1CT : 1 ± 3% : 1CT : 1 ± 3%

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

2.0 ALL RESISTORS ARE ±5% TOLERANCE.

2.0 INDUCTANCE: (P7-P8) (P1-P2)

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P8-P7 (WITH J6 AND J3 SHORT)

P2-P1 (WITH J2 AND J1 SHORT)

: 0.3 MAX. @ 1MHz : 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P8,P6,P7) TO (J6,J3) (P3,P2,P1) TO (J2,J1)

: 30pf MAX @ 1MHz : 30pf MAX. @ 1MHZ

5.0 DC RESISTANCE: (J1-J2) (P8-P7)

: 1.2 ohms Max. : 1.2 ohms Max.



Bel Stewart Connector

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

http://www.stewartconnector.com

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DRAWING NO. 1 OF 4

SI-60120-F

RECEIVE

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

30MHz TO 80MHz : -(19-20 LOG (f/30MHz))

: -12dB MIN. 60MHz TO 80MHz

7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 VAC

(J3, J6) TO (P8,P7) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms

: -1.0 dB MAX 1MHz TO 65MHz

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

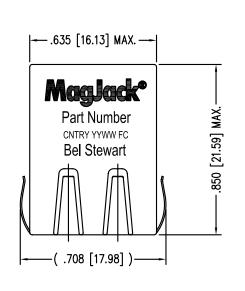
100MHz TO 200MHz : -20dB MIN

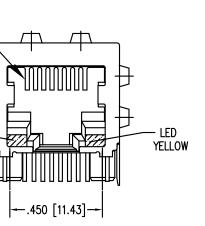
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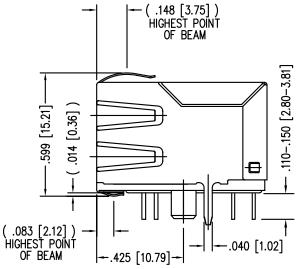




PIN: J1

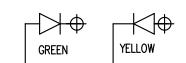
LED

GREEN

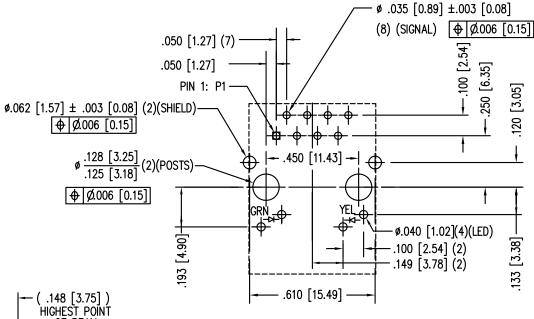


LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V
YELLOW	590 nm	2.5 V	2.1 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



LED POLARITY DETAIL



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

ALL CENTERLINE DIMENSIONS ARE BASIC.

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. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]
- 5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

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Glen Rock, Pa 17327-9199 717.234.7512



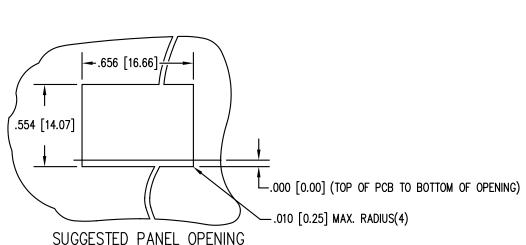
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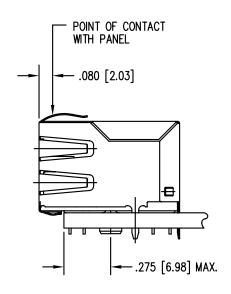
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- 1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
- 2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ±.005 [0.13]

Bel Stewart Connector

11118 Susquehanna Trail, South Glen Rock, Pa 17327-9199 717.234.7512 Maglack

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