

NOTE:

1. UNUSED PIN P7 IS OMITTED.

ELECTRICAL SPECIFICATIONS:

- | | | |
|-----|--|--|
| 1.0 | URNS RATIO: (P4-P5-P6) : (J3-J6) | : 1CT : 1CT ± 3% |
| | (P3-P2-P1) : (J1-J2) | : 1CT : 1.41CT ± 3% |
| 2.0 | INDUCTANCE: (P4-P6) | : 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) | : 30pf MAX @ 1MHz |
| | (P3,P2,P1) TO (J2,J1) | : 30pf MAX. @ 1MHz |
| 5.0 | DC RESISTANCE: (J6-J3)=(J2-J1) | : 1.2 ohms Max. |



Bel Stewart Connector
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 717.234.7512
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	TRANSMIT	RECEIVE
6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=50 OHM REF. 1MHz TO 30MHz 60MHz TO 80MHz	: -12dB MIN.	-18dB MIN. -12dB MIN.
NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).		
7.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) (J3, J6) TO (P4, P6)	: 1500 VAC : 1500 VAC	1500 VAC 1500 VAC
8.0 INSERTION LOSS: RS=RL=100 OHMS 100KHz TO 100MHz	: -1.1 dB TYP	-1.1 dB TYP
9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS OUTPUT VOLTAGE = 1 V peak PULSE WIDTH= 112nS	: 3.0 nS MAX : 3.0 nS MAX	3.0 nS MAX 3.0 nS MAX
10.0 CROSS TALK: 1-100 MHz	: -30 dB TYP	-30 dB TYP
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: -35 dB TYP	-35 dB TYP

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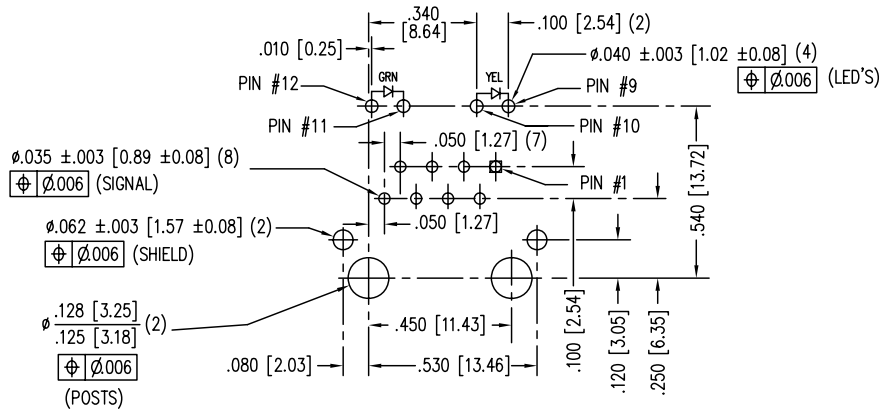
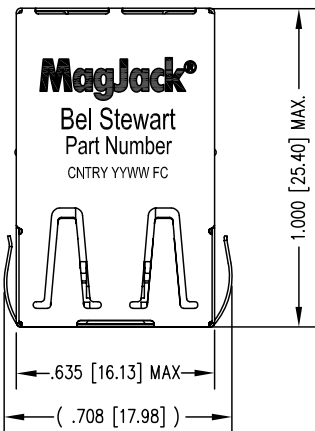
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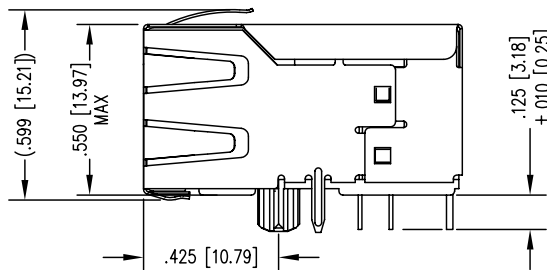
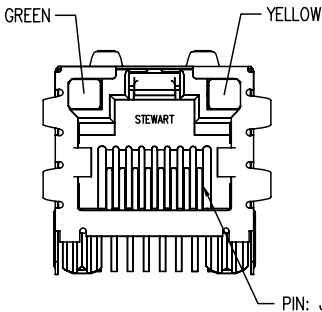
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P.C.B. RECOMMENDED HOLE LAYOUT
 SEEN FROM COMPONENT SIDE
 ALL CENTERLINE DIMENSIONS ARE BASIC.



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.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE-260°C FOR 10 SECONDS MAX.

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)

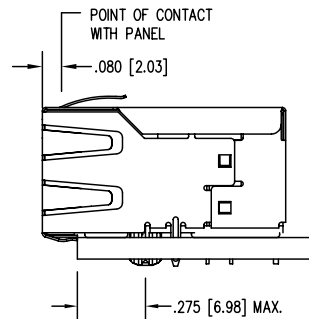
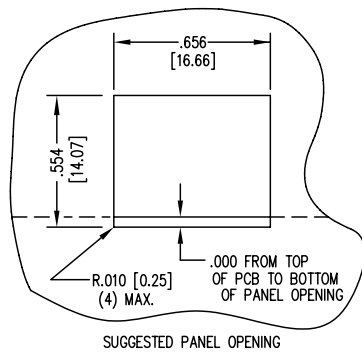
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1. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.
2. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]

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