

ELECTRICAL SPECIFICATIONS:

- |     |  |  |
|-----|--|--|
| 1.0 | URNS RATIO: (P5-P6-P4) : (J6-J3)                   | : 1CT : 1CT ±2%                            |
|     | (P10-P12-P11) : (J2-J1)                            | : 1CT : 1CT ±2%                            |
| 2.0 | INDUCTANCE: (P10-P11) ; (P5-P4)                    | : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS |
| 3.0 | LEAKAGE INDUCTANCE: P10-P11 (WITH J1 AND J2 SHORT) | : 0.3uH MAX. @ 1MHz                        |
|     | P5-P4 (WITH J6 AND J3 SHORT)                       | : 0.3uH MAX. @ 1MHz                        |
| 4.0 | INTERWINDING CAPACITANCE: (P10-P11) : (J1-J2)      | : 30pf MAX @ 1MHz                          |
|     | (P5-P4) : (J6-J3)                                  | : 30pf MAX @ 1MHz                          |
| 5.0 | DC RESISTANCE: (J6-J3) ; (J2-J1)                   | : 1.2 ohms Max.                            |

Bel Stewart Connector  
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 Glen Rock, Pa 17327-9199  
 717.234.7512

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6.0 RETURN LOSS: 1MHz TO 30MHz : -18dB MIN.  
60MHz TO 80MHz : -12dB MIN.

7.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P10,P11) ; (J5,J4) TO (P4-P5) : 1500 VAC  
(J3,J6) TO (P5,P4) ; (J8,J7) TO (P10, P11) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms : -1.1 dB TYP  
100KHz TO 125MHz

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: 1-100 MHz : -35dB TYP

11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : -35dB TYP

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SHEET

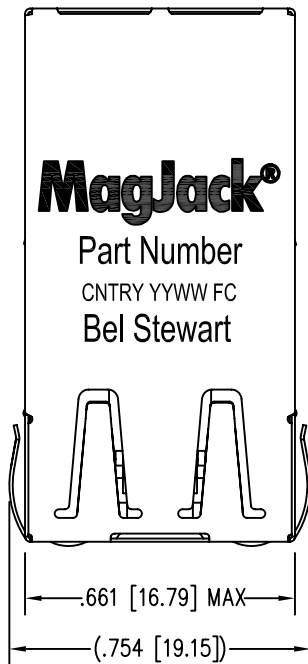
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REV.

05



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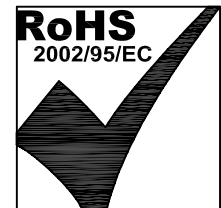
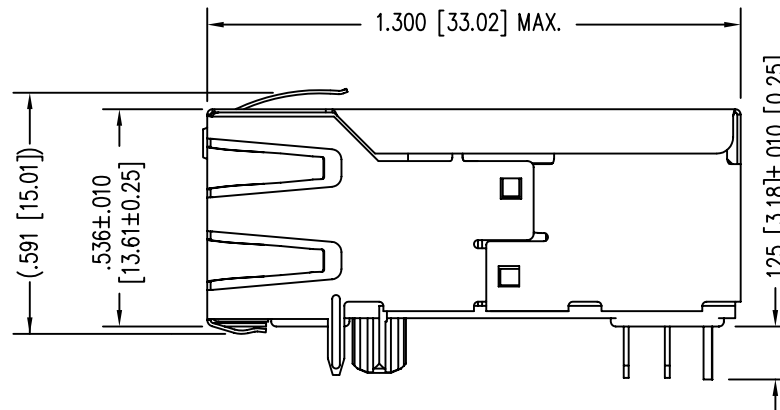
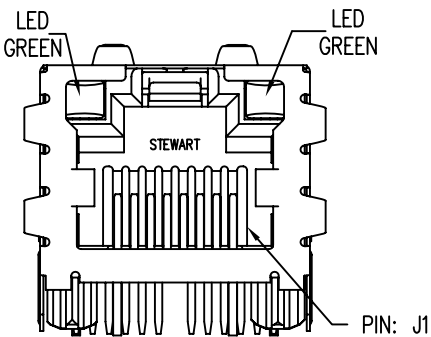
Part Number

CNTRY YYWW FC

Bel Stewart

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  $\pm 0.005$  [0.13]
5. REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR  
 10 SECONDS MAX.



STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V

\* WITH A FORWARD CURRENT OF 20 mA (TYP)

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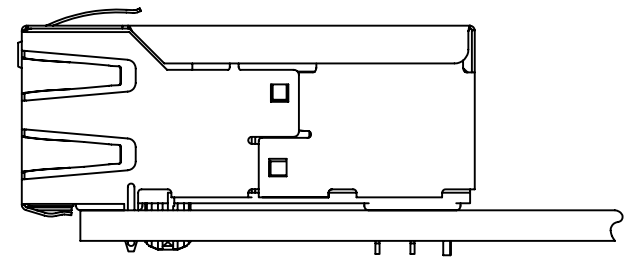
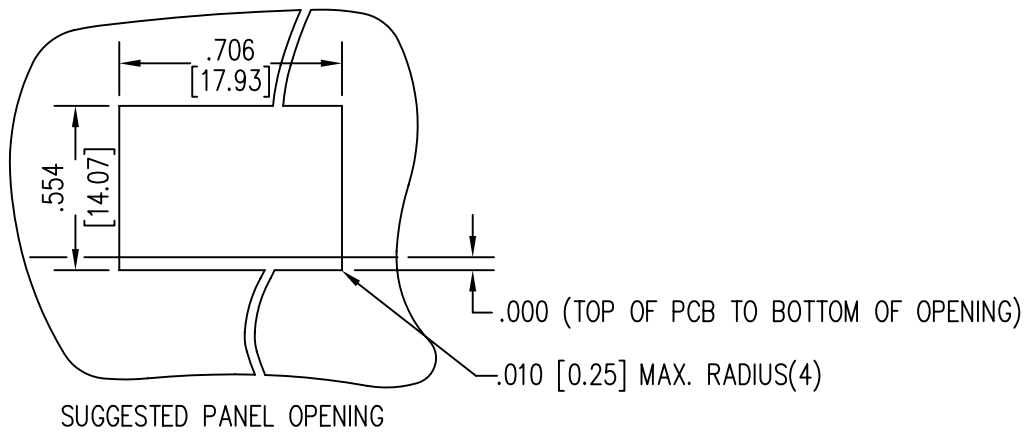
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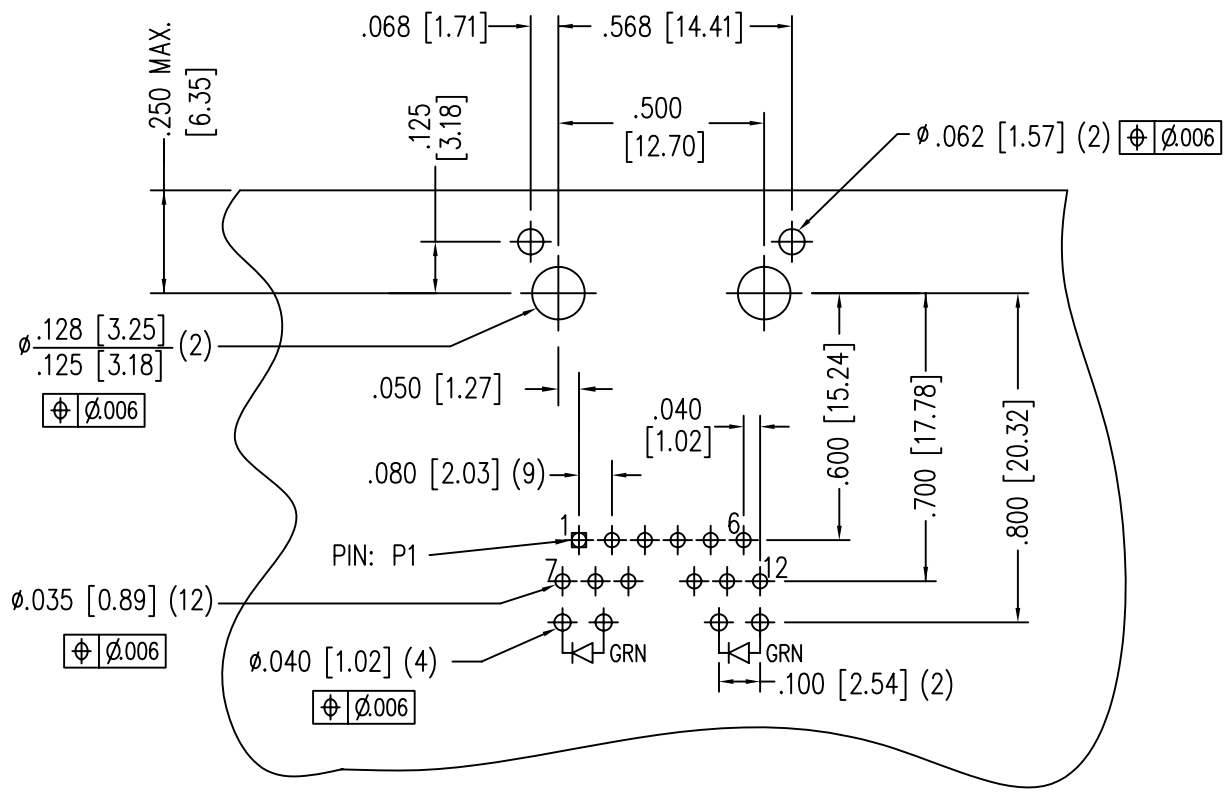
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REV. 01



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  $\pm 0.005$  [0.13]



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

ALL CENTERLINE DIMENSIONS ARE BASIC.

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