

±2%

±2%

±2%

: 1 : 1 ±2%



1.0 TURNS RATIO: (P3-P2) : (J4-J5) (P5-P4) : (J6-J3) (P9-P8) : (J8-J7) (P10-P11) : (J2-J1)

DUCTANCE: (P3-P2); (P5-P4)

2.0 INDUCTANCE: (P3-P2); (P5-P4) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS (P10-P11); (P9-P8) : 350 uH MIN. @ 0.1V, 100KHz, 8 mA DC BIAS

3.0 LEAKAGE INDUCTANCE: P3-P2 (WITH J4 AND J5 SHORT) : 0.3uH MAX. @ 1MHz P5-P4 (WITH J6 AND J3 SHORT) : 0.3uH MAX. @ 1MHz P9-P8 (WITH J8 AND J7 SHORT) : 0.3uH MAX. @ 1MHz P10-P11 (WITH J1 AND J2 SHORT) : 0.3uH MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: (P3-P2): (J4-J5) : 35pf MAX @ 1MHz (P5-P4): (J6-J3) : 35pf MAX @ 1MHz (P9-P8): (J5-J4) : 35pf MAX @ 1MHz (P10-P11): (J2-J1) : 35pf MAX @ 1MHz

5.0 DC RESISTANCE: (J6-J3); (J2-J1); (J7-J8): (J4-J5) : 1.2 ohms Max.

2002/95/EC

RoHS

Bel Stewart Connector

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http://www.stewartconnector.com

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F | REV. 14

6.0 RETURN LOSS: 1MHz TO 30MHz

30MHz TO 60MHz 60MHz TO 80MHz : -19dB MIN. : -13dB MIN.

: -12dB MIN.

80MHz TO 100MHz

: -10dB MIN.

7.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P10,P11); (J5,J4) TO (P3-P2) : 1500 VAC (J3,J6) TO (P5,P4); (J8,J7) TO (P9, P8) : 1500 VAC

8.0 INSERTION LOSS: RS=RL=100 ohms

100KHz TO 125MHz

: -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

:  $-[33-20 LOG (\frac{F}{50 MHz})] MIN.$ 10.0 CROSS TALK: 1-100 MHz

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

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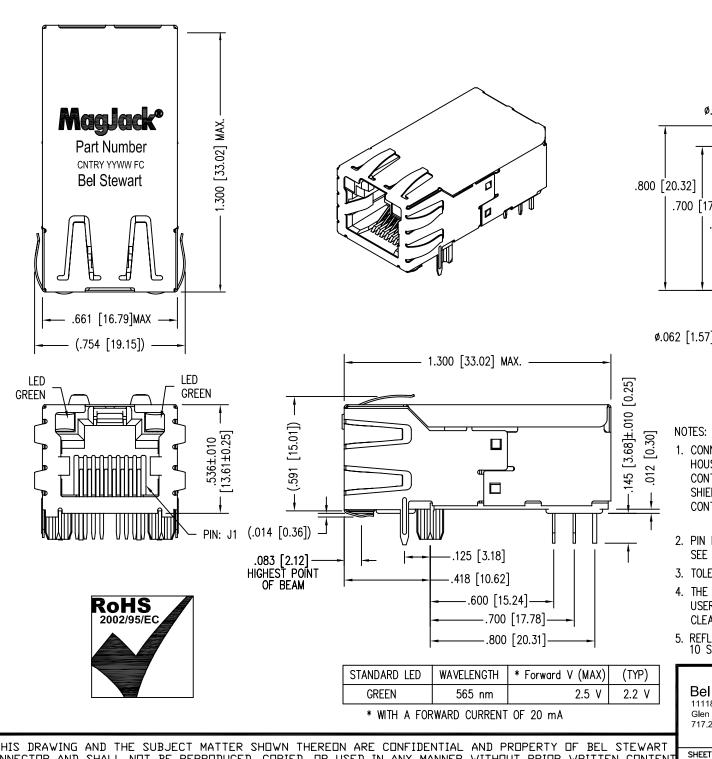
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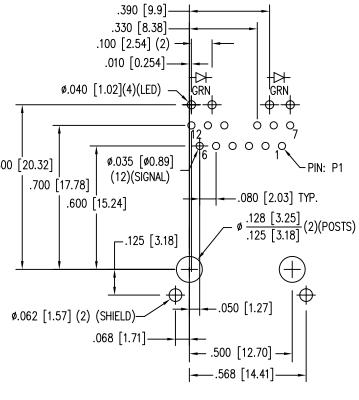
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## NOTES:

- 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. THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE USER THE ABILITY TO HAVE REASONABLE JACK/PANEL CLEARANCES, YET MAINTAIN GROUNDING CAPABILITY.
- 5. REFLOW AND WAVE SOLDER COMPATIBLE  $-260^{\circ}\text{C}$  FOR 10 SECONDS MAX.

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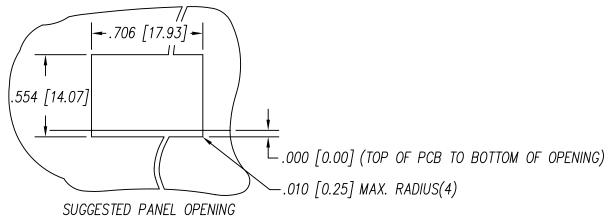
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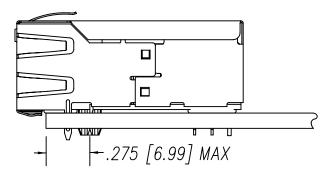
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THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

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DRAWIN

DRAWING NO. SI-50080-F

- REV.