

ELECTRICAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE:

: -40°C TO +85°C

1.0 TURNS RATIO: (P4-P7-P3) : (J6-J3)
(P2-P5-P1) : (J2-J1)

: 1CT : 1
: 1CT : 1

2.0 INDUCTANCE: (P4-P3)
(P2-P1)

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

3.0 LEAKAGE INDUCTANCE: P4-P3 (WITH J6 AND J3 SHORT)
P2-P1 (WITH J2 AND J1 SHORT)

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

4.0 INTERWINDING CAPACITANCE: (P4,P3) TO (J6,J3)
(P2,P1) TO (J2,J1)

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

5.0 DC RESISTANCE: (J6-J3)=(J2-J1)

: 1.2 ohms Max.
:

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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

MagJack®

<http://www.stewartconnector.com>

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RECEIVE

6.0 RETURN LOSS: 1MHz TO 30MHz
60MHz TO 80MHz

: 16dB 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

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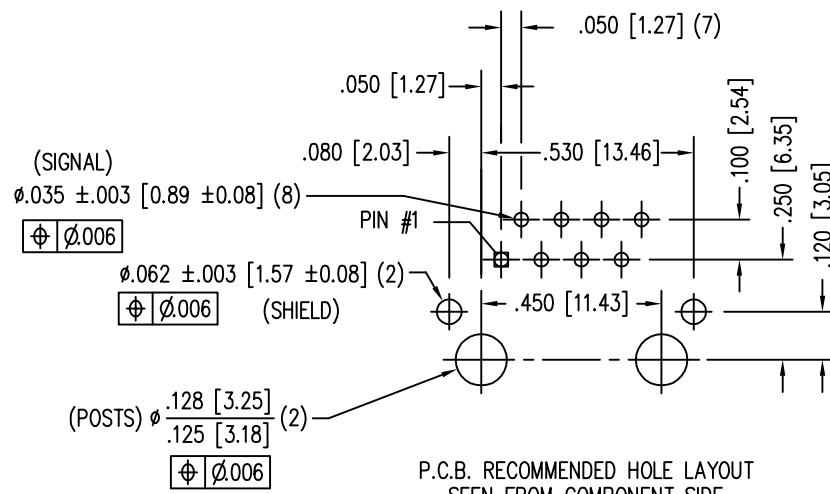
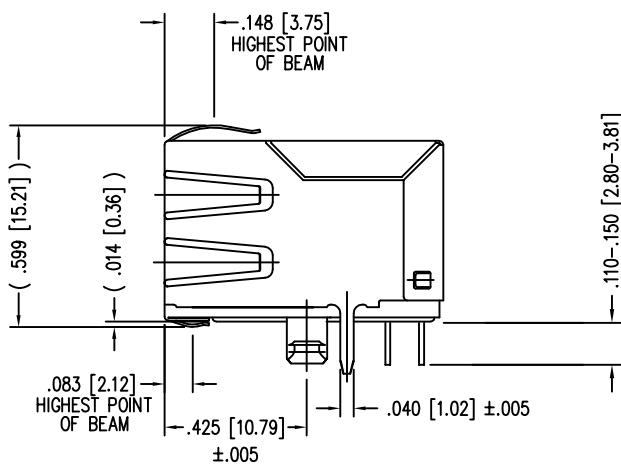
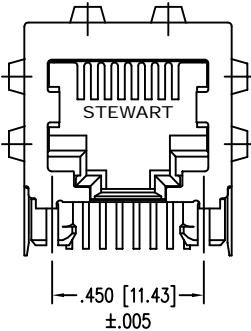
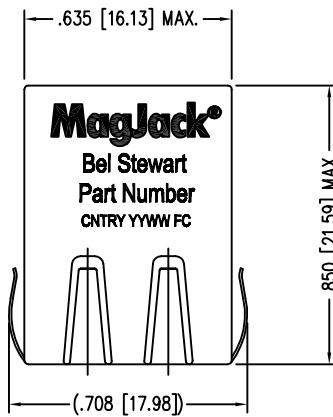
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NOTES:

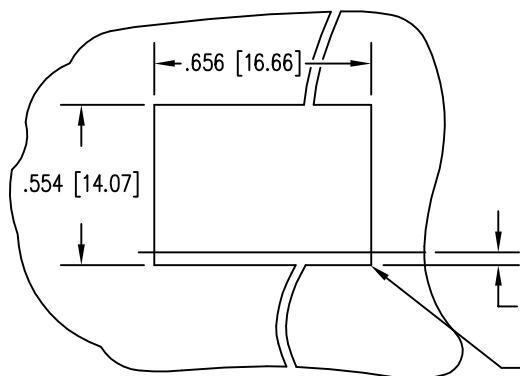
1. CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
2. PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
3. TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
4. ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]
5. WAVE SOLDER COMPATIBLE – PREHEAT 125°C/90SECS.

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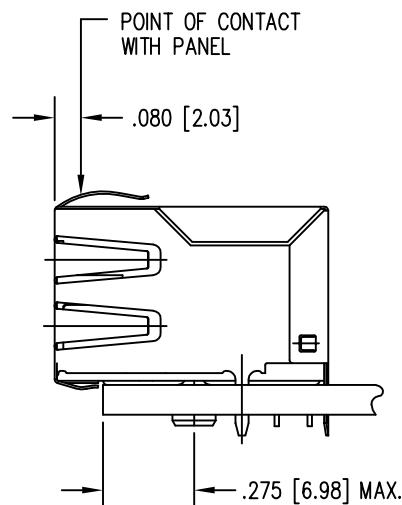
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SUGGESTED PANEL OPENING



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 $\pm .005$ [0.13]

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