

## NOTES:

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

#### ELECTRICAL SPECIFICATIONS:

1.0	URNS RATIO: $(P2-P1) : (J2-J1)$	:	1CT : 1CT $\pm 3\%$
	$(P4-P3) : (J6-J3)$	:	1CT : 1CT $\pm 3\%$
	$(P8-P7) : (J5-J4)$	:	1CT : 1CT $\pm 3\%$
	$(P10-P9) : (J8-J7)$	:	1CT : 1CT $\pm 3\%$
2.0	INDUCTANCE: $(P1-P2) ; (P3-P4)$	:	350 uH MIN. @ 0.01V, 100KHz, 8 mA DC BIAS
	$(P4-P7) ; (P10-P9)$	:	350 uH MIN. @ 0.01V, 100KHz, 8 mA DC BIAS
3.0	LEAKAGE INDUCTANCE: P2-P1 (WITH J2 AND J1 SHORT)	:	0.3uH MAX. @ 1MHz
	P4-P3 (WITH J6 AND J3 SHORT)	:	0.3uH MAX. @ 1MHz
	P8-P7 (WITH J5 AND J4 SHORT)	:	0.3uH MAX. @ 1MHz
	P10-P9 (WITH J8 AND J7 SHORT)	:	0.3uH MAX. @ 1MHz
4.0	INTERWINDING CAPACITANCE: $(P1-P2) : (J2-J1)$	:	70pf MAX @ 1MHz
	$(P4-P3) : (J6-J3)$	:	70pf MAX @ 1MHz
	$(P8-P7) : (J5-J4)$	:	70pf MAX @ 1MHz
	$(P10-P9) : (J8-J7)$	:	70pf MAX @ 1MHz
5.0	DC RESISTANCE: $(J6-J3) ; (J2-J1) ; (J4-J5) ; (J7-J8)$	:	1.2 ohms Max.

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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.
30MHz TO 100MHz	: 12-20 LOG ( $\frac{F}{80\text{MHz}}$ )
7.0 DIELECTRIC WITHSTAND: (J1,J2) TO (P2,P3) ; (J5,J4) TO (P6-P5)	: 1500 VAC
(J3,J6) TO (P7,P4) ; (J8,J7) TO (P9, P8)	: 1500 VAC
8.0 INSERTION LOSS: RS=RL=100 ohms 100KHz TO 100MHz	: 1.1 dB MAX
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
10.0 CROSS TALK: 1-60 MHz 60-100 MHz	: 35 dB MIN : 25 dB MIN
11.0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: 35dB TYP

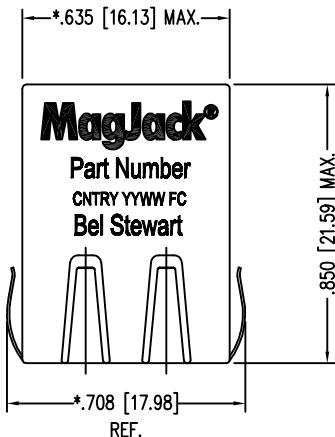
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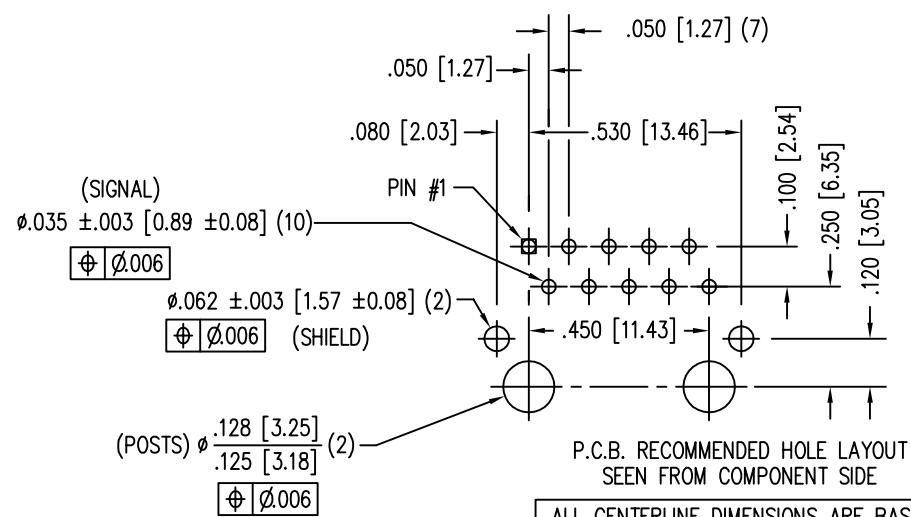
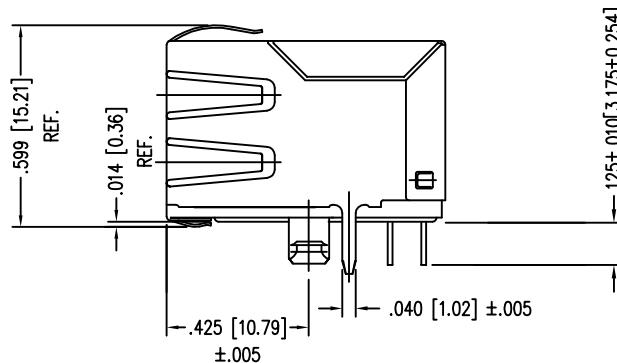
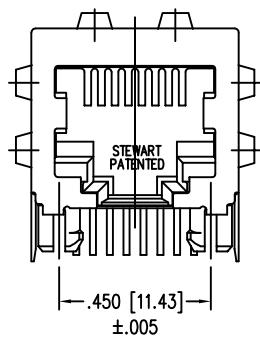
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**MagJack®**

Part Number  
CNTRY YWWW FC  
Bel Stewart



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

ALL CENTERLINE DIMENSIONS ARE BASIC.

NOTES:

- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS
- DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.  
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- WAVE SOLDER COMPATABLE -125°C/90SEC

AVAILABLE WITH:

- STANDARD 50 MICRO-INCH SELECTIVE GOLD PLATING

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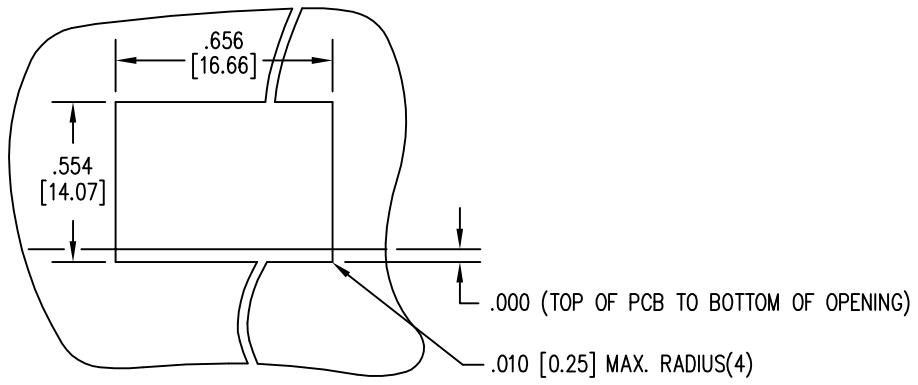
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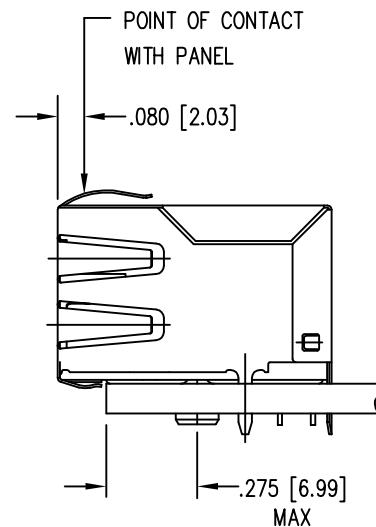
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SUGGESTED PANEL OPENING



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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