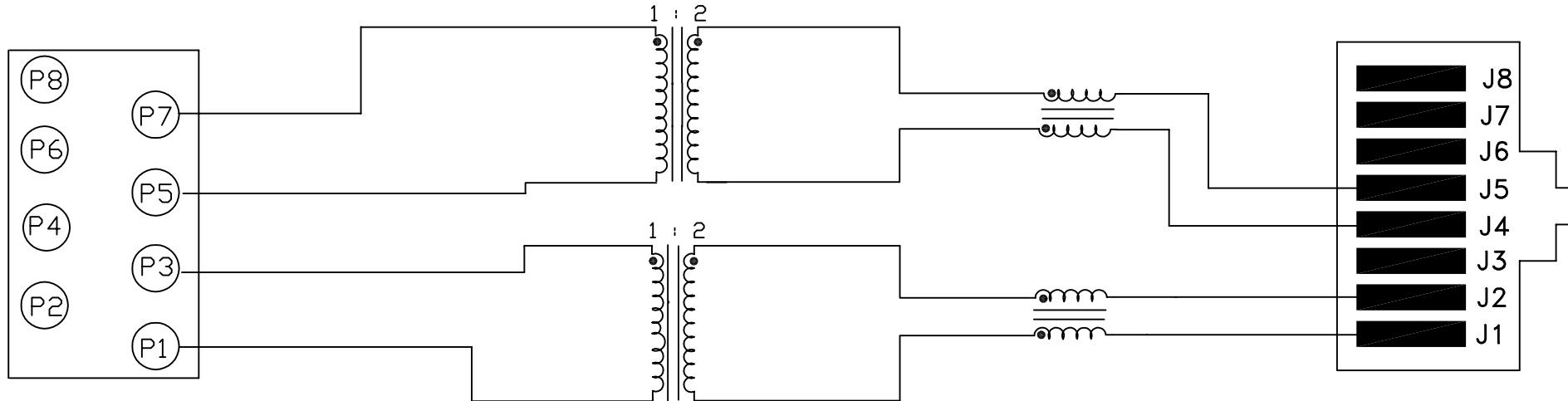


# TOP VIEW



## ELECTRICAL SPECIFICATIONS:

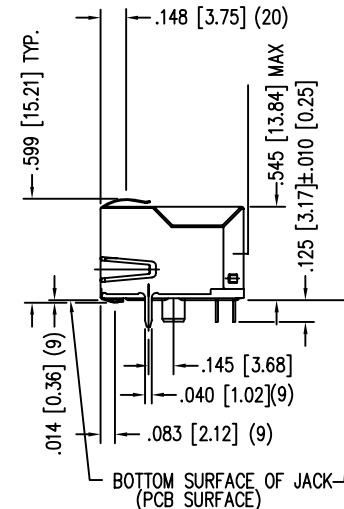
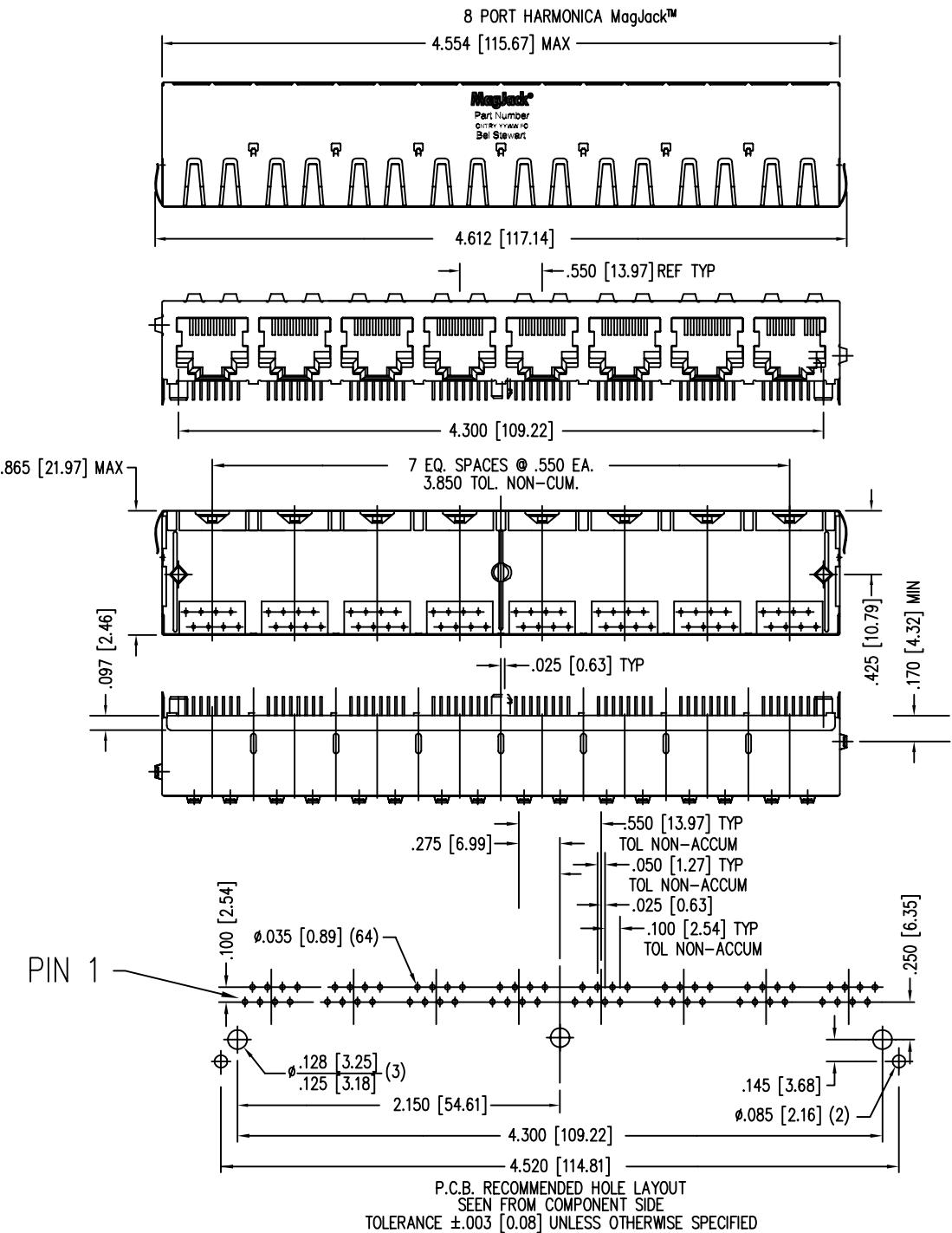
1.0 TURNS RATIO: $\{P3-P1\}$ : $\{J2-J1\}$ $\{P7-P5\}$ : $\{J5-J4\}$	: $1 : 2 \pm 3\%$ $1 : 2 \pm 3\%$	<u>NOTES</u> 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.
2.0 INDUCTANCE: $\{P3-P1\}$ ; $\{P7-P5\}$	: 1.2mH MIN. @ 0.1V, 100KHz	
3.0 LEAKAGE INDUCTANCE: $P3-P1$ (WITH J2 AND J1 SHORT) $P7-P5$ (WITH J5 AND J4 SHORT)	: 0.5uH MAX. @ 1MHz : 0.5uH MAX. @ 1MHz	
4.0 INTERWINDING CAPACITANCE: $\{P3,P1\}$ TO $\{J2,J1\}$ $\{P7,P5\}$ TO $\{J5,J4\}$	: 35pf MAX @ 1MHz : 35pf MAX @ 1MHz	
5.0 COMMON MODE ATTENUATION :	: -20dB TYP @ 5MHz TO 100MHz	
6.0 HIPOT $\{P7-P5\}$ TO $\{J5-J4\}$ $\{P3-P1\}$ TO $\{J2-J1\}$	: 1500VAC : 1500VAC	
7.0 RETURN LOSS : $(J1-J2 \& J4-J5)$ 100 OHM REF. 51KHz TO 102KHz 102KHz TO 2.048MHz 2.048MHz TO 3.072MHz	: 12dB MIN : 18dB MIN : 14dB MIN	
NOTE ; 25 OHMS CONNECTED TO PINS P1-P3 & P5-P7.		
8.0 DC RESISTANCE: $\{P7-P5\}$ ; $\{P3-P1\}$	: .8 ohms Max.	

THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND PROPERTY OF BEL STEWART CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT PRIOR WRITTEN CONSENT OF BEL STEWART CONNECTOR. THE SUBJECT MATTER MAY BE PATENTED OR A PATENT MAY BE PENDING.

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717.234.7512

**MagJack®**

<http://www.stewartconnector.com>



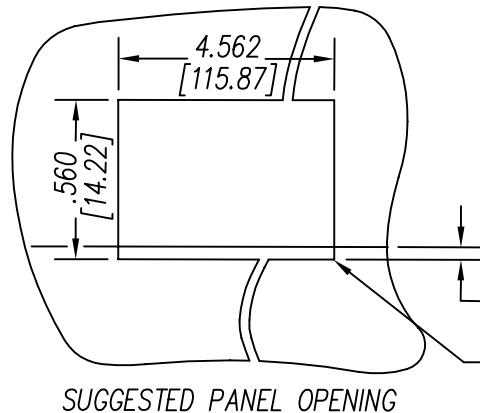
NOTES:

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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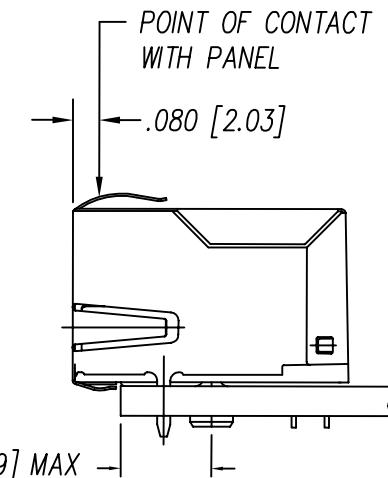
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.000 (TOP OF PCB TO BOTTOM OF OPENING)

.010 [0.25] MAX. RADIUS(4)



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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SHEET  
3 OF 3

DRAWING NO.

SI-10145 REV. 03