

NOTES:

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: $\{P_6-P_5-P_4\} : \{J_6-J_3\}$: 1CT : 1CT \pm 3%
 $\{P_3-P_2-P_1\} : \{J_2-J_1\}$: 1CT : 1CT \pm 3%

2.0 INDUCTANCE: $\{P_6-P_4\}$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
 $\{P_3-P_1\}$: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 LEAKAGE INDUCTANCE: P_6-P_4 (WITH J_6 AND J_3 SHORT) : 0.3 MAX. @ 1MHz
 P_3-P_1 (WITH J_2 AND J_1 SHORT) : 0.3 MAX. @ 1MHz

4.0 INTERWINDING CAPACITANCE: $\{P_6, P_5, P_4\}$ TO $\{J_6, J_3\}$: 30pf MAX @ 1MHz
 $\{P_3, P_2, P_1\}$ TO $\{J_2, J_1\}$: 30pf MAX @ 1MHz

5.0 DC RESISTANCE: $(J_6-J_3)=(J_2-J_1)$: 1.2 ohms Max.

6.0 RETURN LOSS: $(P_6-P_4)=100$ OHMS AND $(P_1-P_3)=100$ OHM REF.
 1MHz TO 30MHz : 18dB MIN.
 60MHz TO 80MHz : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (J_2-J_1) OR (J_6-J_3) .

7.0 DIELECTRIC WITHSTAND: (J_1, J_2) TO (P_1, P_3) : 1500 VAC
 (J_3, J_6) TO (P_4, P_6) : 1500 VAC

8.0 INSERTION LOSS: $RS=RL=100$ ohms
 100KHz TO 100MHz : 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

10.0 CROSS TALK: 1MHz TO 100MHz : 40 dB TYP

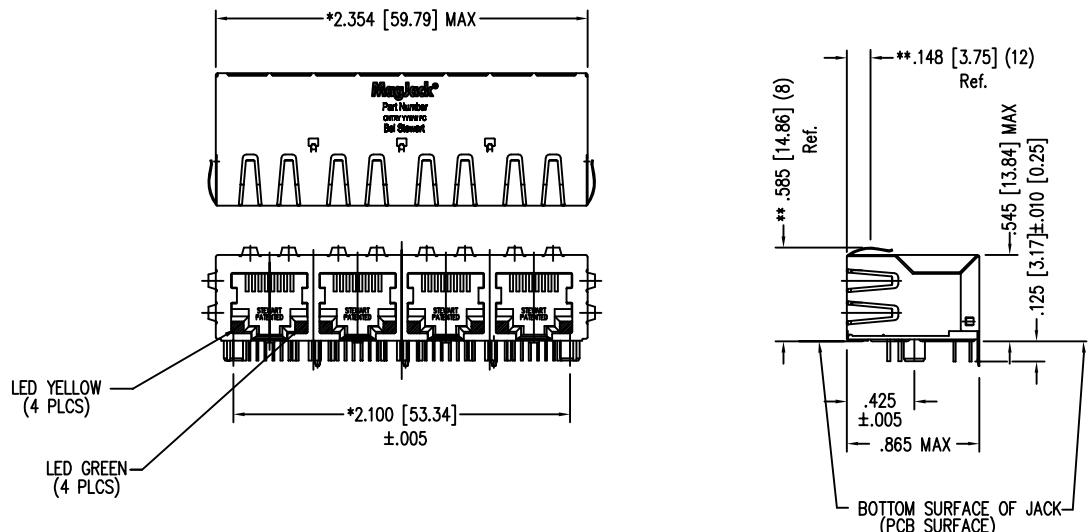
11.0 COMMON TO COMMON MODE ATTENUATION: 30MHz TO 100MHz : 35dB TYP

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

MagJack®

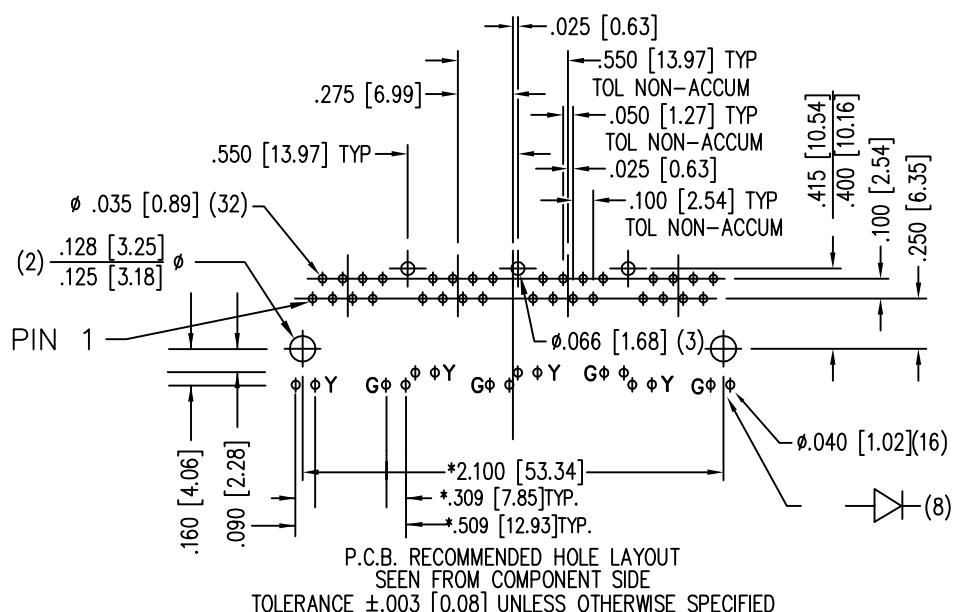
<http://www.stewartconnector.com>

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NOTES:

- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS
- DIMENSIONS SHOWN WITH "*" TO BE CENTRAL
ABOUT CENTER LINE
- "##" ON DIMENSION INDICATES HIGHEST POINT OF BEAM
- DIMENSIONS SHOWN ARE SUBJECT TO CHANGE WITHOUT NOTICE
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- STANDARD 50 MICRO-INCH SELECTIVE



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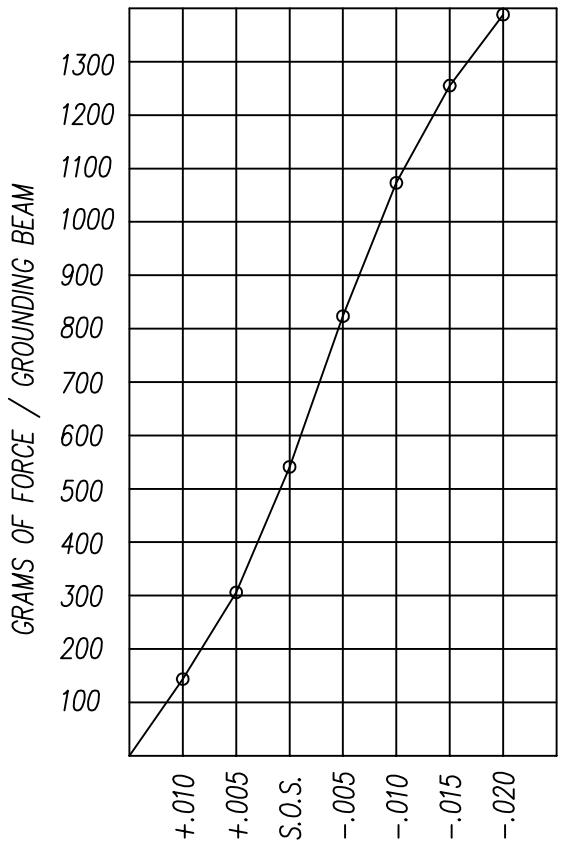
CT720091/CT720074/24-0028

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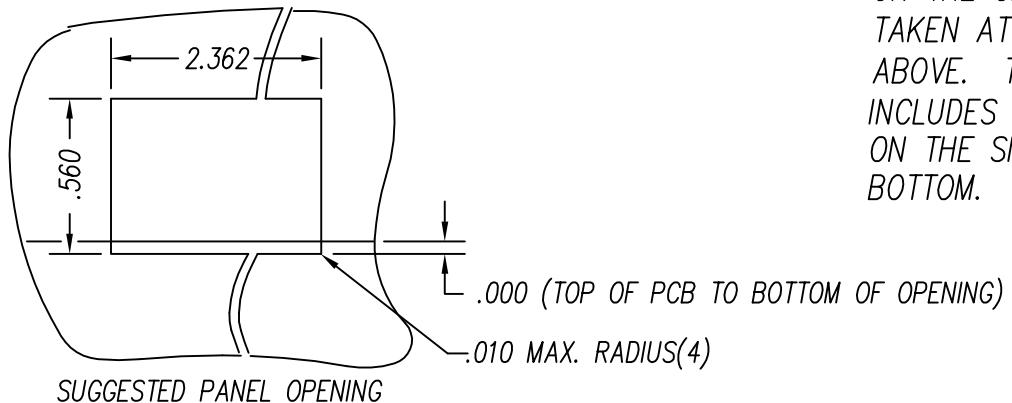
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DRAWING NO.

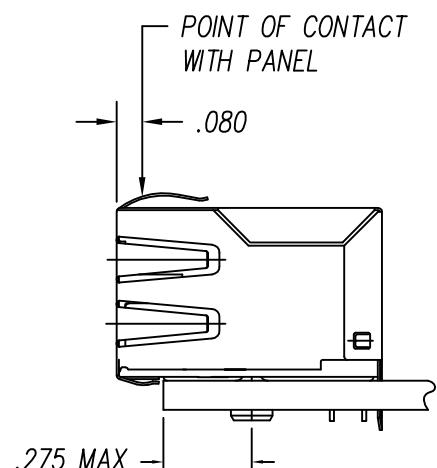
SI-40062 REV. 06



PANEL GROUNDING BEAM DEFLECTION
S.O.S. = SUGGESTED OPENING SIZE



CT720035X1/24-001701



THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY. THESE VARIABLES CAN BE ADJUSTED IN EITHER DIRECTION BUT MAY CARRY SOME CONSEQUENCES IN THE FORM OF LOWER MATING FORCES OR TIGHTER ASSEMBLY TOLERANCES. FORCE VALUES ON THE GRAPH ARE GENERAL AVERAGES TAKEN AT THE POINT OF CONTACT SHOWN ABOVE. THE SUGGESTED PANEL OPENING INCLUDES APPROXIMATELY .020 CLEARANCE ON THE SIDES AND TOP AND .005 ON THE BOTTOM.

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3 OF 3

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