

ELECTRICAL SPECIFICATIONS:

- | | | | |
|-----------------------------------------------------|------------------------------|-------------------------------------------|------------------|
| 1.0 TURNS RATIO (P6-P5-P4) : | (J6-J3) | : 1.41CT : 1CT ± 3% | |
| | (P3-P2-P1) : | (J2-J1) | : 1CT : 1CT ± 3% |
| 2.0 INDUCTANCE (J3-J6) | | : 350uH MIN. @ 0.1V , 100KHz, 8mA DC Bias | |
| | (P3-P2-P1) | : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias | |
| 3.0 LEAKAGE INDUCTANCE P6-P4 (WITH J6 AND J3 SHORT) | | : 0.6uH MAX. @ 1MHz | |
| | P3-P1 (WITH J2 AND J1 SHORT) | : 0.3uH MAX. @ 1MHz | |
| 4.0 INTERWINDING CAPACITANCE (P6,P5,P4) TO (J6,J3) | | : 25pf MAX @ 1MHz | |
| | (P3,P2,P1) TO (J2,J1) | : 25pf MAX. @ 1MHZ | |
| 5.0 DC RESISTANCE (J6-J3)=(J2-J1) | | : 1.2 ohms Max. | |

NOTES

- 1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

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DRAWING NO. SI-40174 REV. X

6.0 RETURN LOSS:

1MHz TO 30MHz : 18dB MIN.
60MHz TO 80MHz : 12dB MIN.

7.0 VOLTAGE WITHSTAND:

(J1, J2) TO (P1, P3) : 1500 VAC
(J3, J6) TO (P4,P6) : 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
PULSE WIDTH= 112nS

3.0 nS MAX
3.0 nS MAX

10.0 CROSS TALK:

1MHz TO 100MHz

40 dB TYP

11.0 COMMON TO DIFFERENTIAL MODE ATTENUATION:

100KHz TO 50MHz
50MHz TO 140MHz

50dB TYP
40dB TYP

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DRAWING NO. SI-40174 REV. X

SHIELDING: "PG4-BZ" EMI-RFI ONE PIECE SHIELDED, ESD GROUNDED
4 PORT PCB HARMONICA LED MagJack™

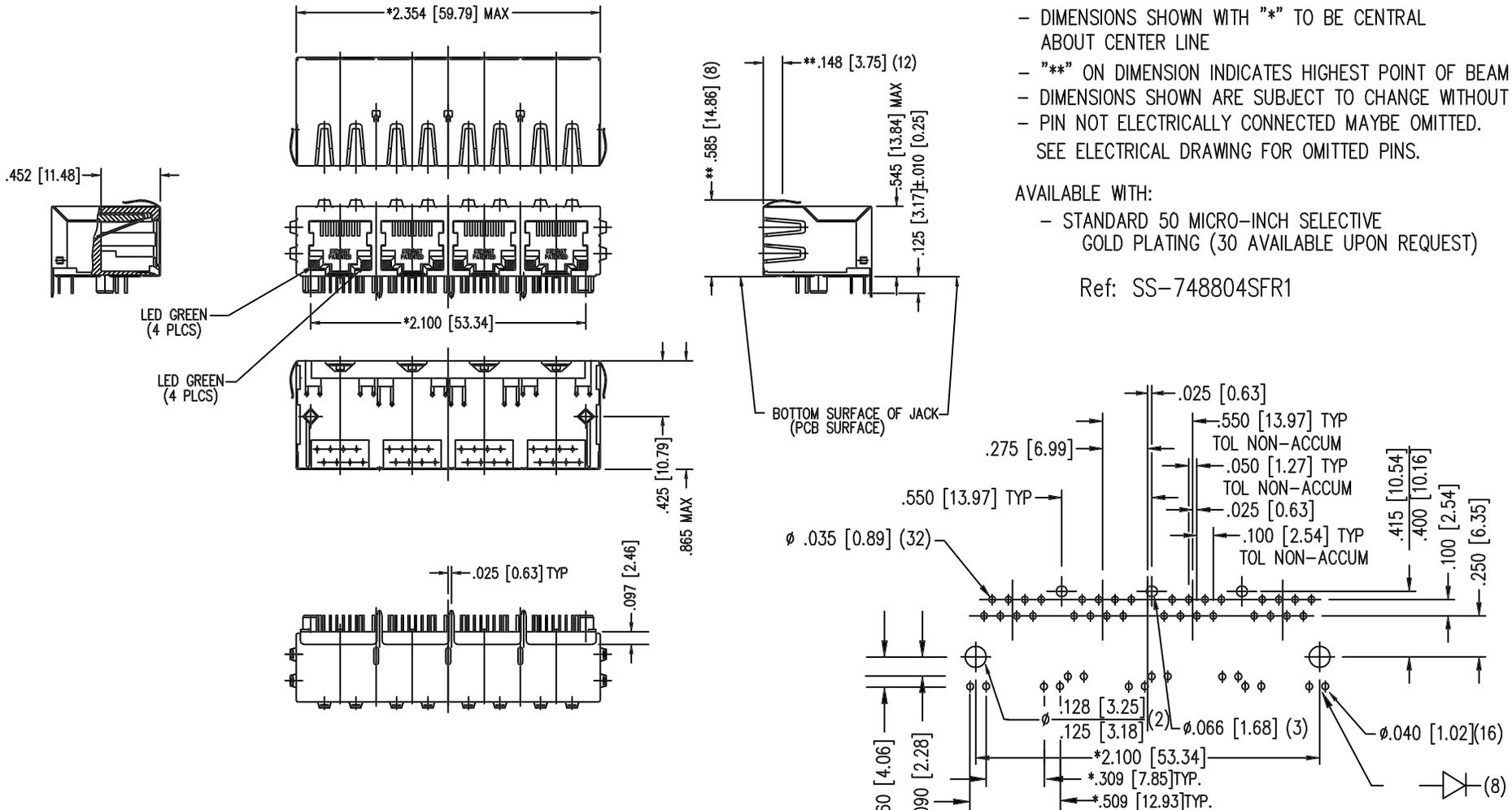
NOTES:

- 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.

AVAILABLE WITH:

- STANDARD 50 MICRO-INCH SELECTIVE GOLD PLATING (30 AVAILABLE UPON REQUEST)

Ref: SS-748804SFR1



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE $\pm .003$ [0.08] UNLESS OTHERWISE SPECIFIED

LED SPECIFICATION

POWER DISSIPATION: 150mW
FORWARD VOLTAGE : 2.2V GREEN (TYP)
INTENSITY @ 10ma : 2-8 MCD

CT720091/CT720074/24-0029

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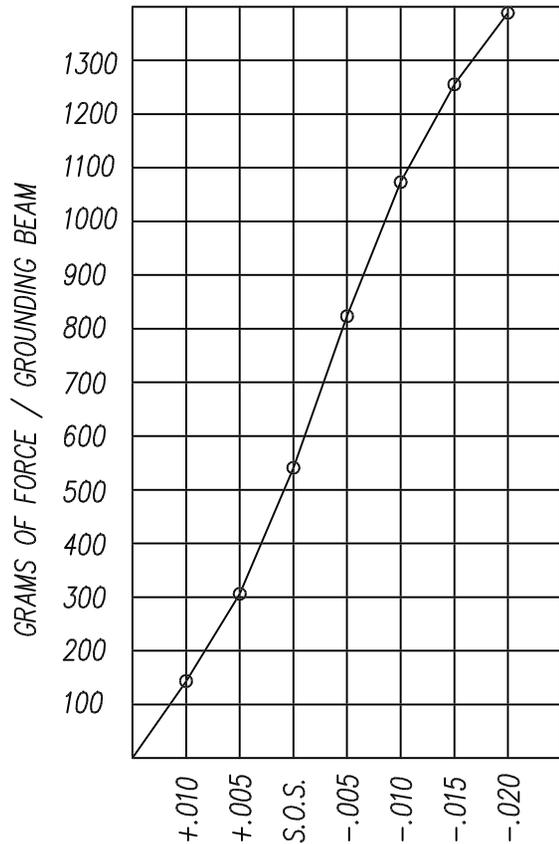
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Stewart Connector Systems

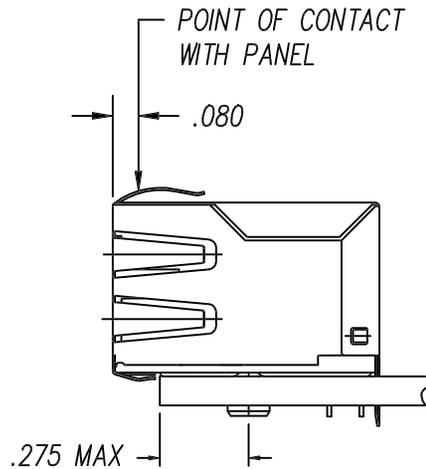
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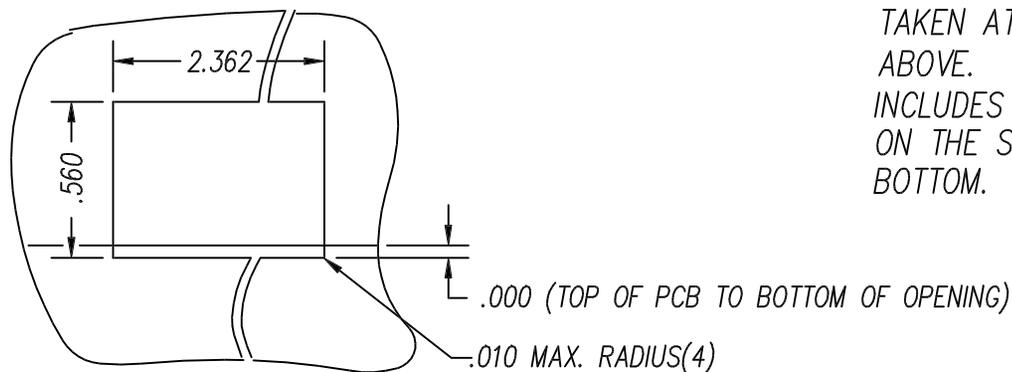
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PANEL GROUNDING BEAM DEFLECTION
S.O.S. = SUGGESTED OPENING SIZE



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.



SUGGESTED PANEL OPENING

CT720035X1/24-001701

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