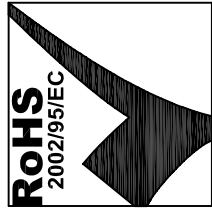


NOTES

1.0 COMPLIES WITH THE EUROPEAN DIRECTIVE 2002/95/EC, CALLING FOR THE ELIMINATION OF LEAD AND OTHER HAZARDOUS SUBSTANCES FROM ELECTRONIC PRODUCTS.

2.0 DESIGN TO PROTECT AGAINST GR1089 INTRABUILDING AND ESD SURGE.



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

MagJack

<http://www.stewartconnector.com>

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SHEET 1 OF 4

DRAWING NO. S|-53031-F

REV. X

ELECTRICAL SPECIFICATIONS:

1.0 TURNS RATIO: TURNS RATIO (P4-P6) : (J3-J6)
(P1-P3) : (J1-J2) : 1CT : 1CT± 3%
: 1CT : 1CT ± 3%

2.0 INDUCTANCE: (P1-P3) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
(P4-P6) : 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias

3.0 DC RESISTANCE: (J1-J2); (J3-J6) : 1.8 ohms Max.

4.0 RETURN LOSS: 1MHZ TO 30MHZ : 18dB MIN.
31MHZ TO 80MHZ : 12dB MIN.

NOTE: 100 OHMS CONNECTED TO (P1-P3) OR (P4-P6).

5.0 INSERTION LOSS: 100KHz TO 100MHZ : 1.1 dB TYP

6.0 CROSS TALK: 1-100 MHz : 30 dB TYP

7.0 COMMON TO COMMON MODE ATTENUATION:
1MHZ TO 100MHZ : 35dB TYP

8.0 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

9.0 DIELECTRIC WITHSTAND: (J1, J2) TO (P1, P3) : 1500 VAC
(J3, J6) TO (P4,P6) : 1500 VAC

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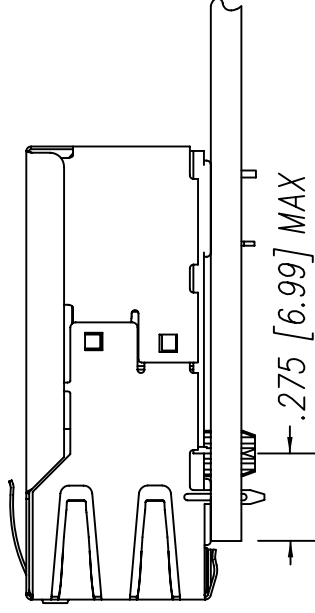
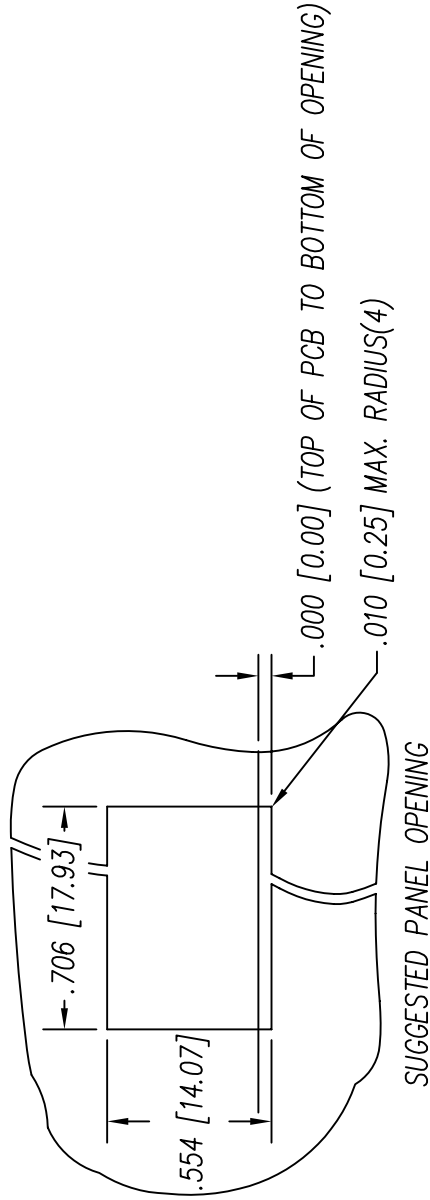
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SHEET 2 OF 4

DRAWING NO. S1-53031-E

REV. X.3



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 ± 0.005 [0.13]

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SHEET 4 OF 4

DRAWING NO. S1-53031-E

REV. 0.3