

NOTE:

1.0 此图"SI-53008"供应商
所有连接均省略。

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Bel Stewart Connector
11116 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512
<http://www.stewartconnector.com>

Magjack®

SHEET
1 OF 4

DRAWING NO.

SI-53008 REV. 03

ELECTRICAL SPECIFICATIONS:

- 1.0

TURNS RATIO: TURNS RATIO (P4-P5-P6) : (J3-J6)
(P3-P2-P1) : (J1-J2)

: 1CT : 1CT± 3%
: 1CT : 1CT ± 3%
- 2.0

INDUCTANCE: (P6-P4)
(P3-P1)

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
- 3.0

LEAKAGE INDUCTANCE: P6-P5-P4 (WITH J6 AND J3 SHORT)
P3-P2-P1 (WITH J2 AND J1 SHORT)

: 0.3 MAX. @ 1MHZ
: 0.3 MAX. @ 1MHZ
- 4.0

INTERWINDING CAPACITANCE: (P6,P5,P4) TO (J6,J3)
(P3,P2,P1) TO (J2,J1)

: 30pf MAX @ 1MHZ
: 30pf MAX. @ 1MHZ
- 5.0

DC RESISTANCE: (J6-J3)=(J2-J1)

: 1.4 ohms Max.
- 6.0

RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P3)=100 OHM REF.
1MHZ TO 30MHZ
30MHZ TO 80MHZ

: 18dB MIN.
: 12dB MIN.
- NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).
- 7.0

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

: 1500 VAC
: 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: 1-100 MHz

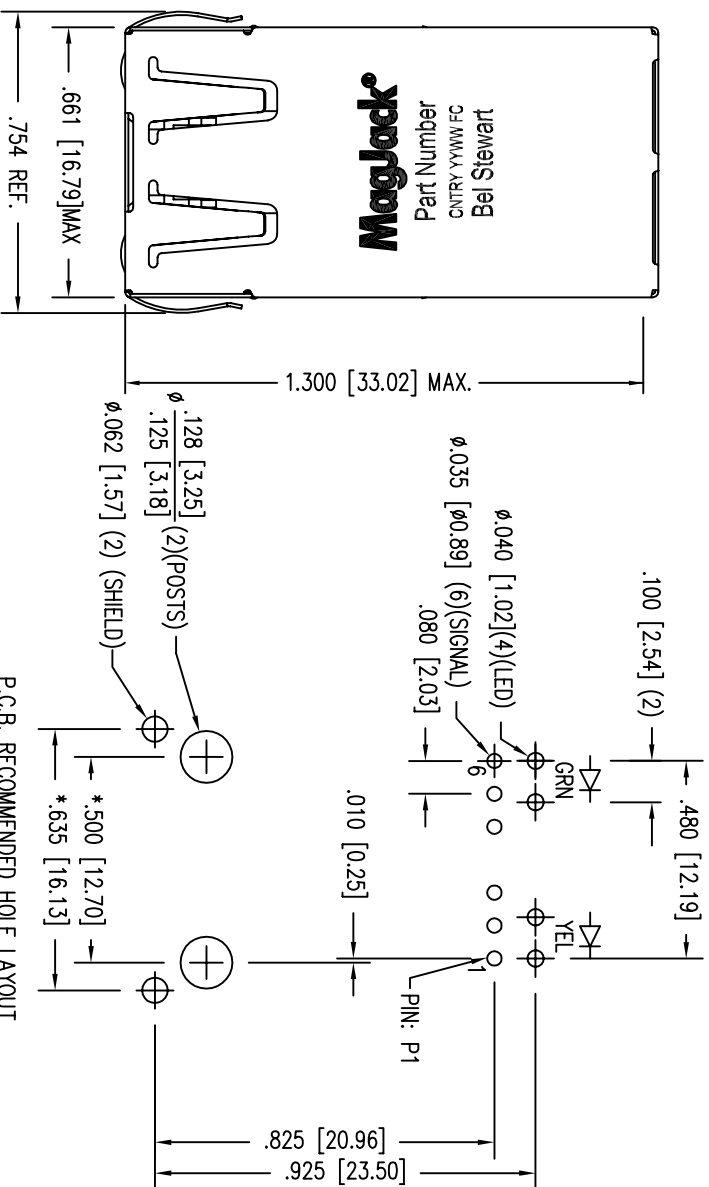
: 30 dB TYP
- 11.0

COMMON TO COMMON MODE ATTENUATION: 1MHZ TO 100MHZ

: 35dB TYP

SI-53008"供应

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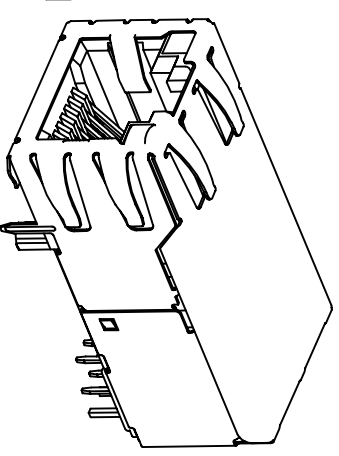
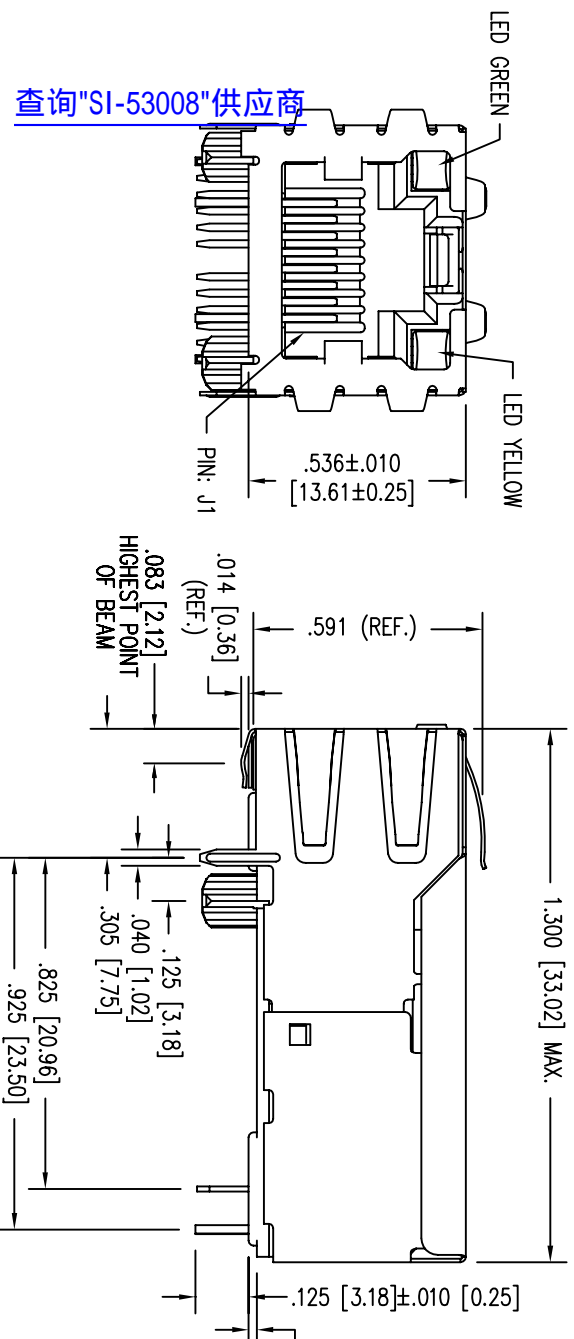
P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE
TOLERANCE $\pm .003$ [0.08] UNLESS OTHERWISE SPECIFIED

NOTES:

- 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.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE
USER THE ABILITY TO HAVE REASONABLE JACK/PANEL
CLEARANCES, YET MAINTAIN GROUNDING CAPABILITY.
- SOLDER REFLOW COMPATIBLE - 230°C/90 SEC MAX.

STANDARD LED	WAVELENGTH	* Forward V (MAX)	(TYP)
YELLOW	590 nm	2.5 V	2.1 V
GREEN	565 nm	2.5 V	2.2 V

* WITH A FORWARD CURRENT OF 20 mA



[查询"SI-53008"供应商](#)

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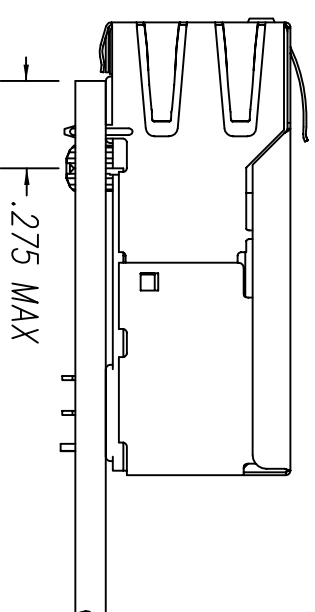
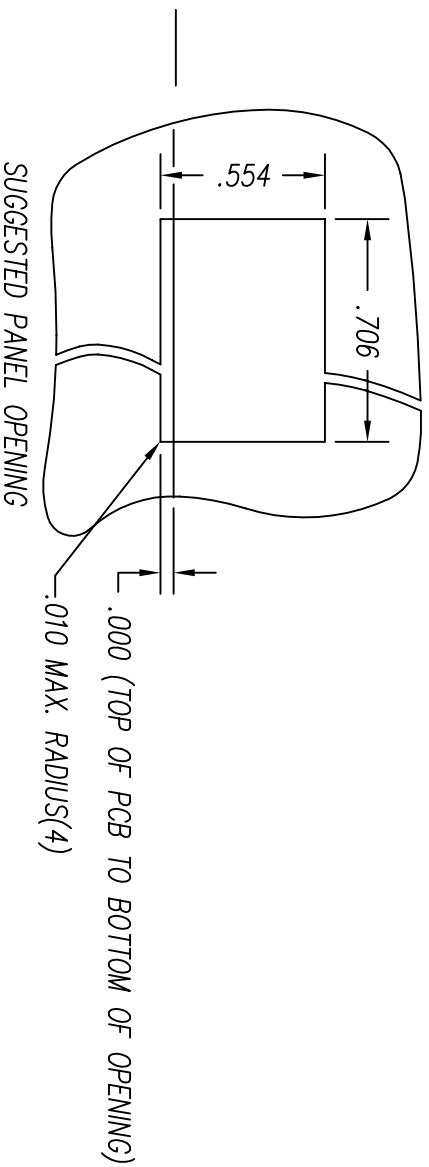
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REV.
02



THE SUGGESTED PANEL OPENING IS INTENDED TO GIVE THE USER THE ABILITY TO HAVE REASONABLE JACK / PANEL CLEARANCES YET MAINTAIN RELIABLE GROUNDING CAPABILITY.

CT720034X1/24-0285

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