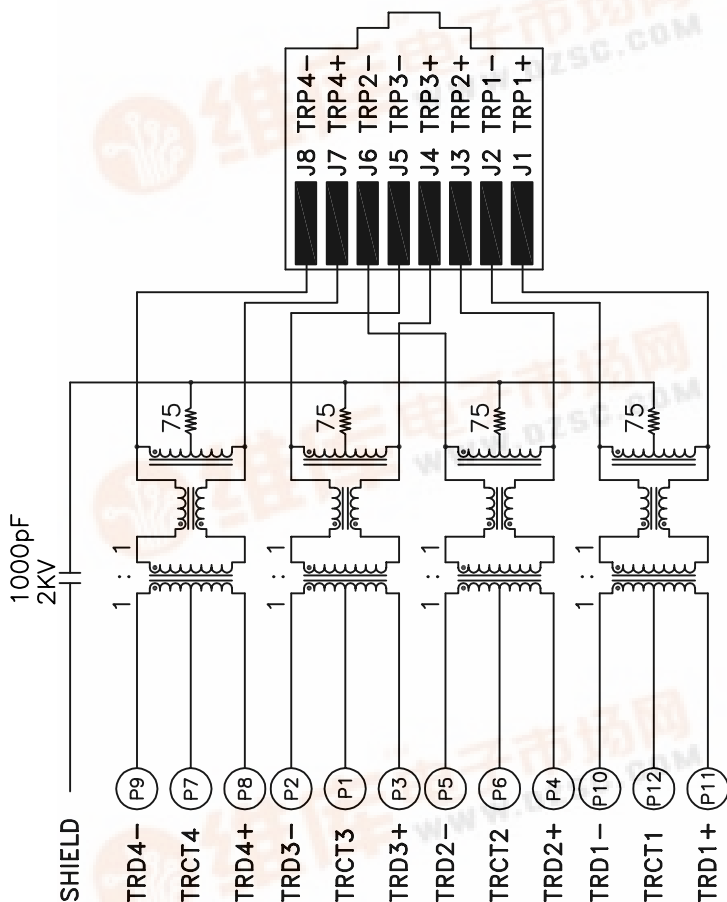




ELECTRICAL SPECIFICATIONS:

TURNS RATIO: $\begin{cases} (P3-P2) : (J4-J5) \\ (P5-P4) : (J6-J3) \\ (P9-P8) : (J8-J7) \\ (P10-P11) : (J2-J1) \end{cases}$

INDUCTANCE: $\begin{cases} (P3-P2) ; (P5-P4) \\ (P10-P11) ; (P9-P8) \end{cases}$

LEAKAGE INDUCTANCE: $\begin{cases} P3-P2 \text{ (WITH } J4 \text{ AND } J5 \text{ SHORT)} \\ P5-P4 \text{ (WITH } J6 \text{ AND } J3 \text{ SHORT)} \\ P9-P8 \text{ (WITH } J8 \text{ AND } J7 \text{ SHORT)} \\ P10-P11 \text{ (WITH } J1 \text{ AND } J2 \text{ SHORT)} \end{cases}$

INTERWINDING CAPACITANCE: $\begin{cases} (P3-P2) : (J4-J5) \\ (P5-P4) : (J6-J3) \\ (P9-P8) : (J8-J7) \\ (P10-P11) : (J2-J1) \end{cases}$

DC RESISTANCE: $\begin{cases} (J6-J3) ; (J2-J1) ; (J7-J8) : (J4-J5) \end{cases}$

: 1 : 1 $\pm 2\%$
 : 1 : 1 $\pm 2\%$
 : 1 : 1 $\pm 2\%$
 : 1 : 1 $\pm 2\%$

: 350 μ H MIN. @ 0.1V, 100KHz, 8 mA DC BIAS
 : 350 μ H MIN. @ 0.1V, 100KHz, 8 mA DC BIAS

: 0.3 μ H MAX. @ 1MHz
 : 0.3 μ H MAX. @ 1MHz
 : 0.3 μ H MAX. @ 1MHz
 : 0.3 μ H MAX. @ 1MHz

: 35pf MAX @ 1MHz
 : 35pf MAX @ 1MHz
 : 35pf MAX @ 1MHz
 : 35pf MAX @ 1MHz

: 1.2 ohms Max.



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RETURN LOSS: 1MHz TO 30MHz : -19dB MIN.
30MHz TO 60MHz : -13dB MIN.
60MHz TO 80MHz : -12dB MIN.
80MHz TO 100MHz : -10dB MIN.

DIELECTRIC WITHSTAND: (J1,J2) TO (P10,P11) ; (J5,J4) TO (P3-P2)
(J3,J6) TO (P5,P4) ; (J8,J7) TO (P9, P8) : 1500 VAC
: 1500 VAC

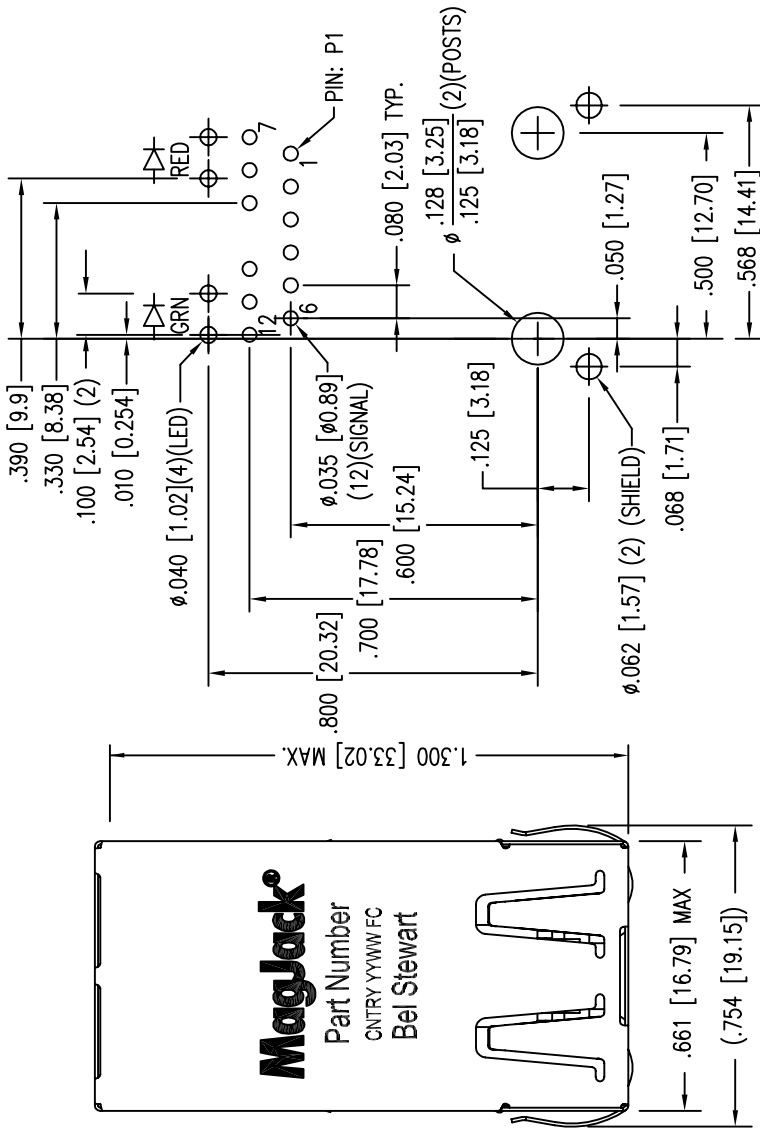
INSERTION LOSS: RS=RL=100 ohms : -1.1 dB TYP
100KHz TO 125MHz

RISE TIME: RS=100 OHMS AND RL = 100 OHMS
OUTPUT VOLTAGE = 1 V peak
PULSE WIDTH= 112nS

0 CROSS TALK: 1-100 MHz : $-[33-20 \text{ LOG } (\frac{F}{50 \text{ MHz}})] \text{ MIN.}$

0 COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz : -35dB TYP

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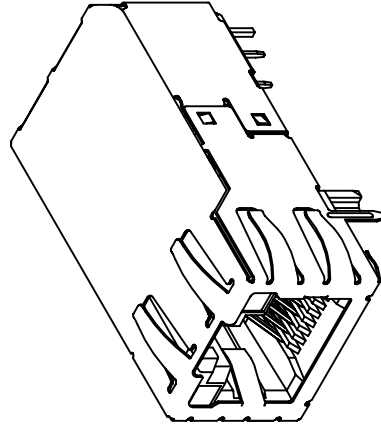
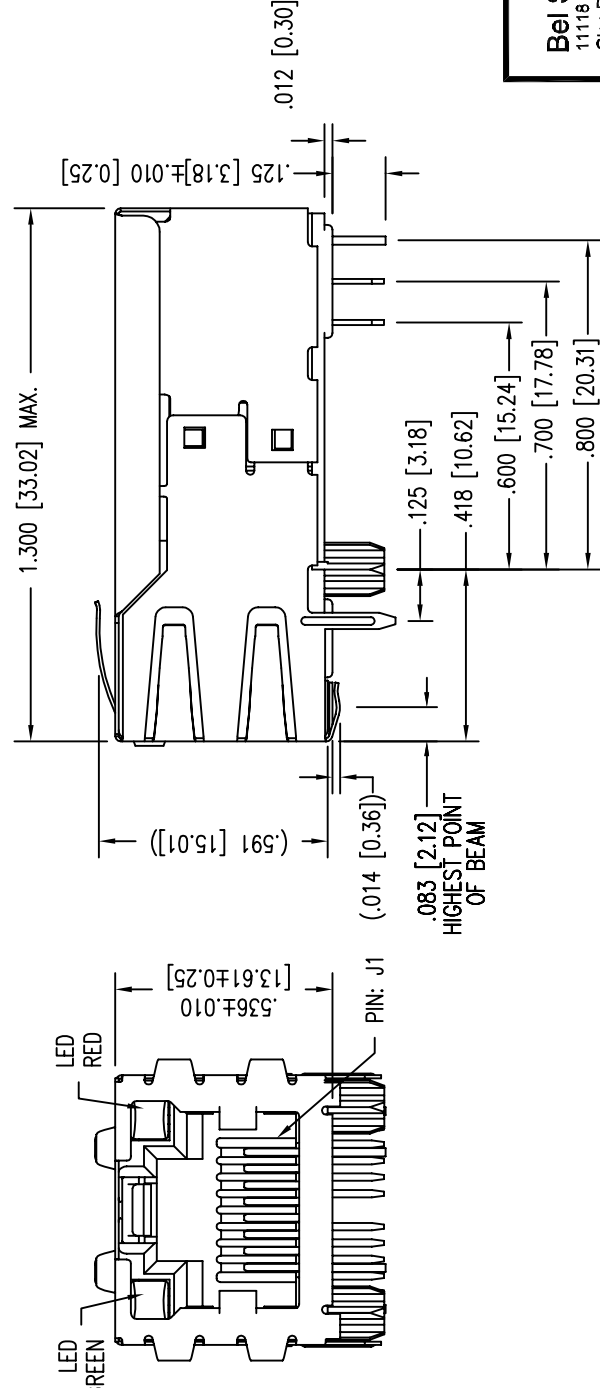
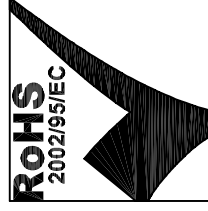


NOTES:

- 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.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE $\pm .005$ [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125°C/90SECS.
HIGH TEMPERATURE REFLOW COMPATIBLE - 230°C/90 SEC MAX.

STANDARD LED	WAVELENGTH	* Forward V (MAX)	(TYP)
RED	625 nm	2.5 V	2.1 V
GREEN	565 nm	2.5 V	2.2 V

* WITH A FORWARD CURRENT OF 20 mA



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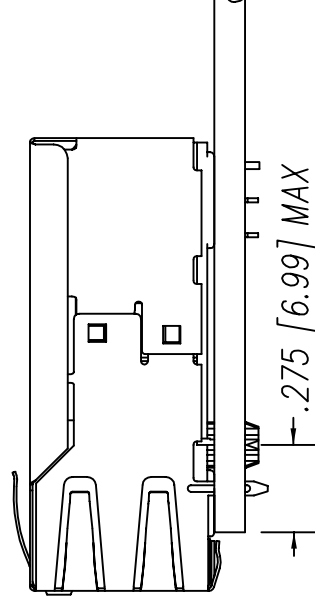
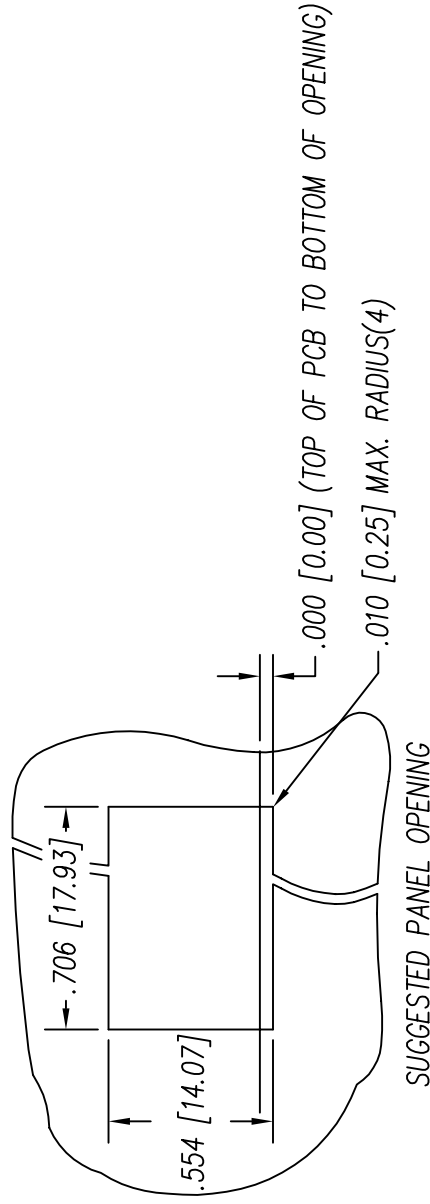
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SHEET
3 OF 4

DRAWING NO.
SI-50089-F

REV.
03



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 ± 0.05 [0.13]

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SHEET
4 OF 4

DRAWING NO.

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