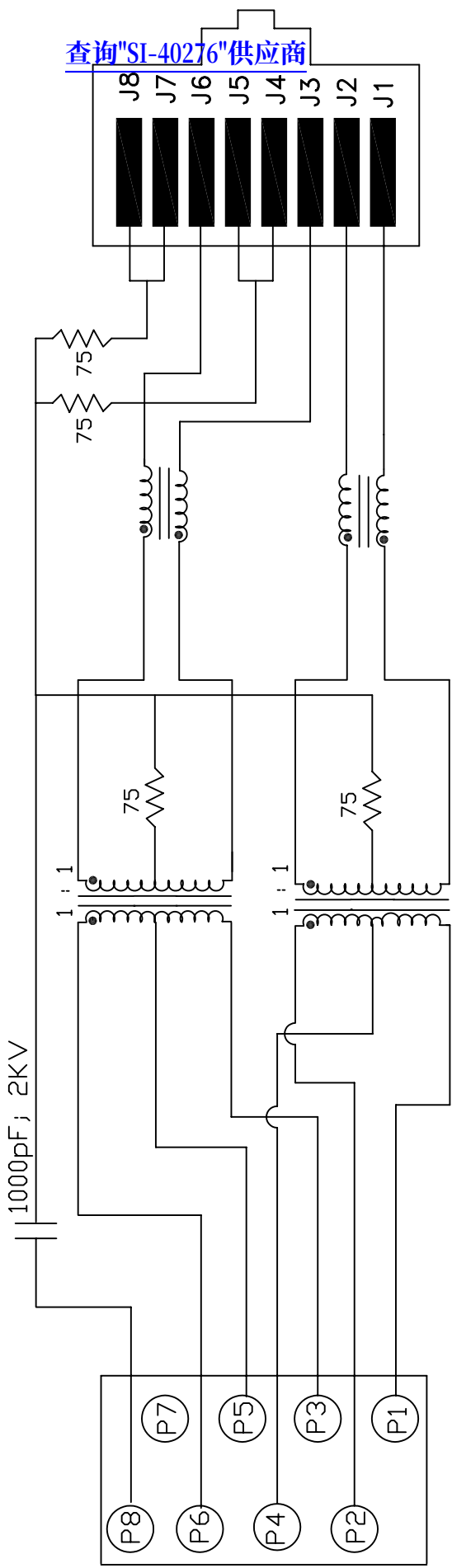




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ELECTRICAL SPECIFICATIONS:

NOTES

1.0 TURNS RATIO: {P3-P5-P6} : {J3-J6}
{P1-P4-P2} : {J1-J2}

2.0 INDUCTANCE: {P1-P2}
{P3-P6}

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

4.0 INTERWINDING CAPACITANCE: {P6,P5,P3} TO {J6,J3}
{P2,P4,P1} TO {J2,J1}

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

: 1CT : 1CT± 3%
: 1CT : 1CT ± 3%

: 400 uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
: 400 uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS

: 0.3 MAX. @ 1MHZ
: 0.3 MAX. @ 1MHZ

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

: 1.2 OHMS MAX.

1.0 PINS WITHOUT ELECTRICAL
CONNECTION ARE OMITTED.

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<http://www.stewartconnector.com>

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SHEET
1 OF 4
DRAWING NO.
SI-40276
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01

RECEIVE

6.0 RETURN LOSS: (P6-P4)=100 OHMS AND (P1-P2)=100 OHM REF.

: 18 dB MIN.
: 12 dB MIN.

NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).

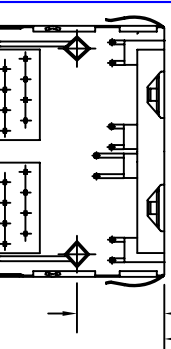
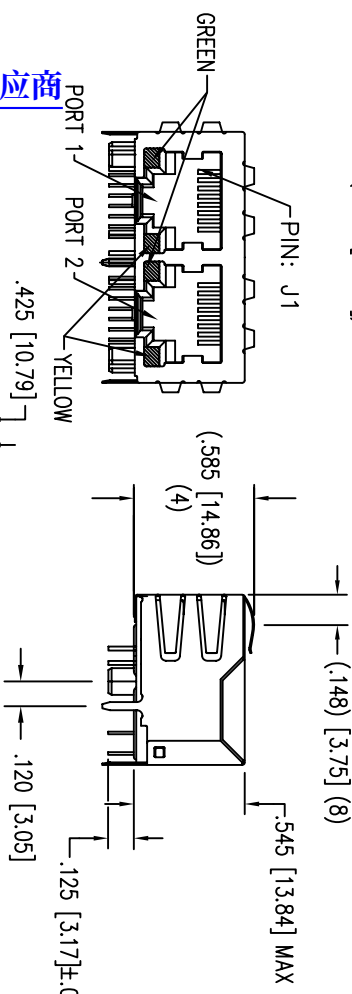
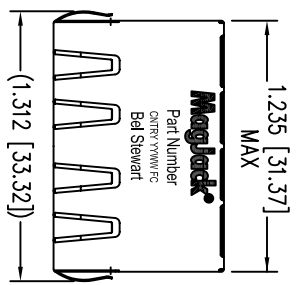
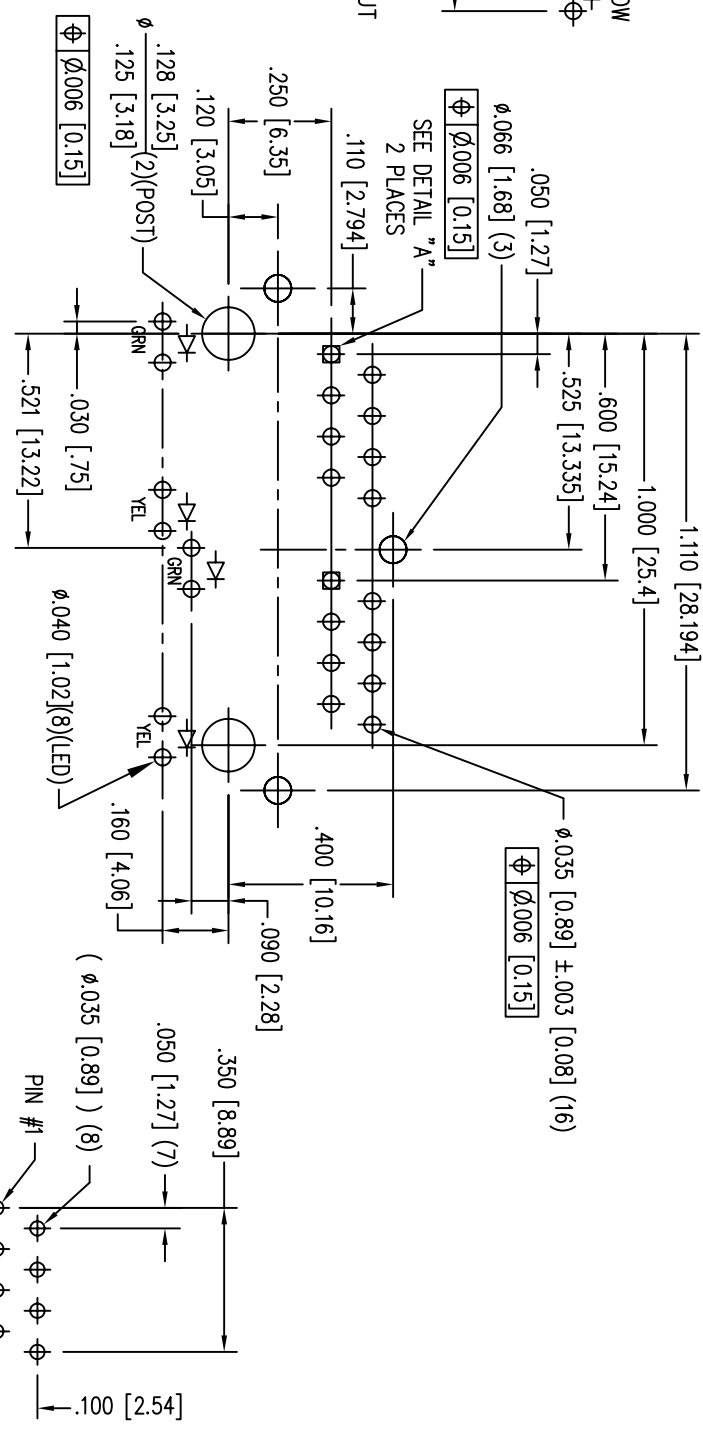
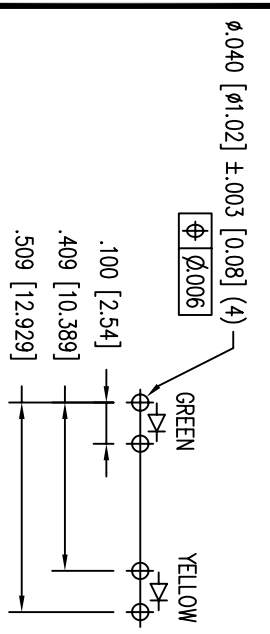
7.0 DIELECTRIC WITHSTAND: {J1, J2} TO {P1, P2}
: 2480 VDC (FOR 6 SECONDS)
: 2480 VDC (FOR 6 SECONDS)

8.0 INSERTION LOSS: RS=RL=100 OHMS
100 KHz TO 100 MHz
: 1.1 dB TYP

9.0 RISE TIME: RS=100 OHMS AND RL = 100 OHMS
OUTPUT VOLTAGE = 1 V PEAK
PULSE WIDTH = 112 nS
: 3.0 nS MAX
: 3.0 nS MAX
10.0 CROSS TALK: 1 MHz TO 100 MHz
: 40 dB TYP

TRANSMIT AND RECEIVE

11.0 COMMON MODE REJECTION:
5 MHz TO 50 MHz
100 MHz TO 130 MHz
: 30 dB MIN.
: 20 dB MIN.



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

*WITH A FORWARD CURRENT OF 20 mA (TYP)

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SHEET

3 OF 4

DRAWING NO.

SI-40276

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08

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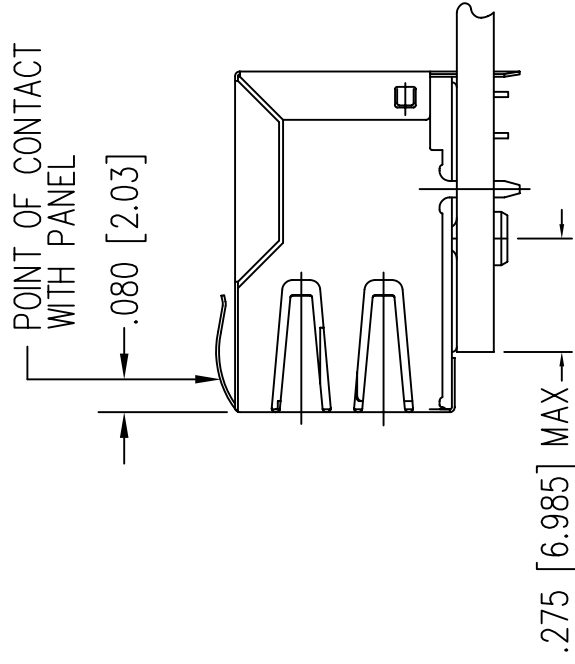
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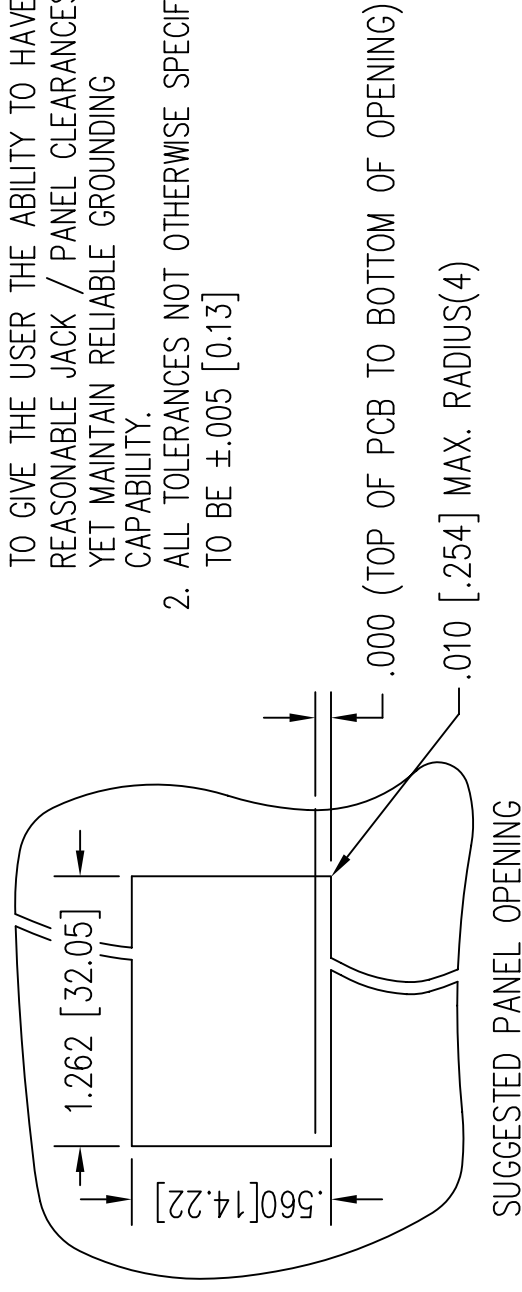
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NOTES:

- 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 ±.005 [0.13]
- WAVE SOLDER COMPATIBLE - PREHEAT 125C/90SECS.



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 $\pm .005$ [0.13]



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SHEET
4 OF 4

DRAWING NO.

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06