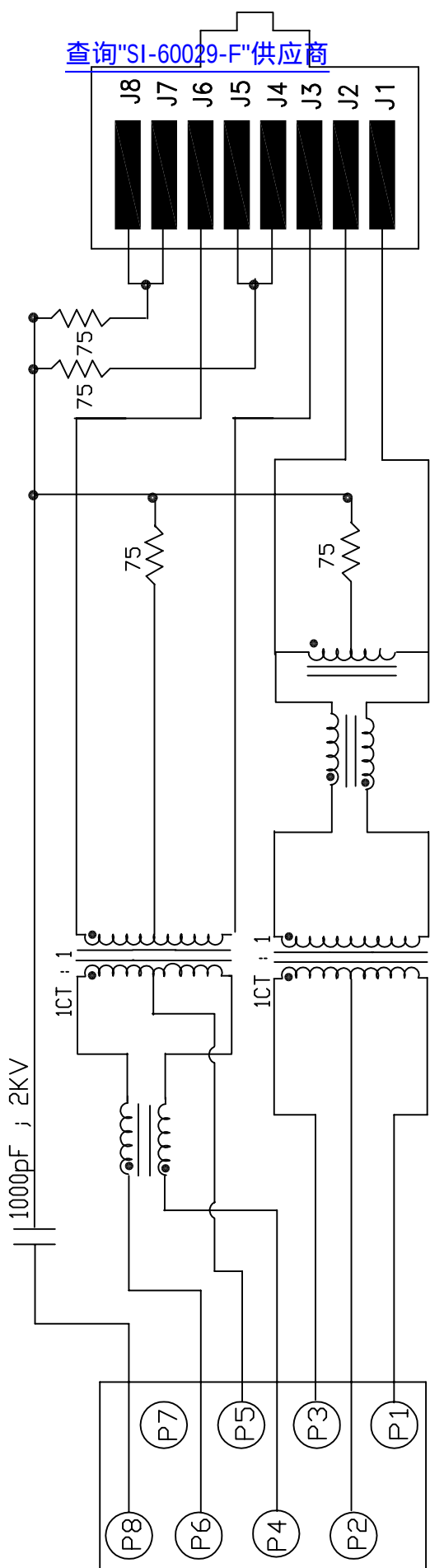




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ELECTRICAL SPECIFICATIONS:

NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

: 1CT : 1 ± 3%
: 1CT : 1 ± 3%

: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
: 350uH 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.
: 1.2 ohms Max.

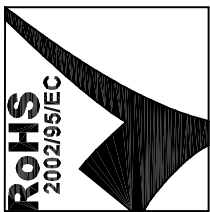
1.0 TURNS RATIO: {P6-P5-P4} : {J6-J3}
{P3-P2-P1} : {J2-J1}

2.0 INDUCTANCE: {P6-P4}
{P3-P1}

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

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

5.0 DC RESISTANCE: {J1-J2}
{P6-P4}



Bel Stewart Connector
11118 Susquehanna Trail, South
Glen Rock, Pa 17327-9199
717.234.7512
<http://www.stewartconnector.com>

MagJack®

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SHEET
1 OF 4

DRAWING NO.

SI-60029-F

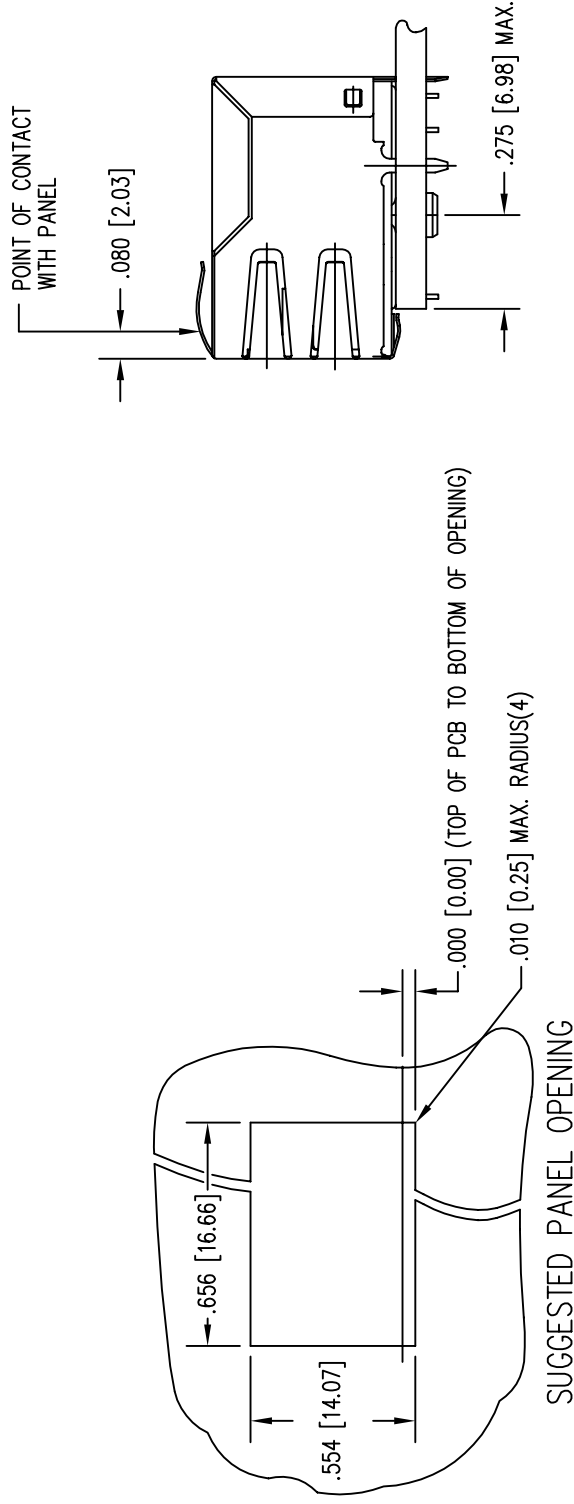
REV.
07

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6.0	RETURN LOSS: 1MHz TO 30MHz 60MHz TO 80MHz (P1 – P3) = 100 OHMS (J3 – J6) = 100 OHMS	<u>RECEIVE</u>
		: 18dB MIN. : 12dB MIN.
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: 1MHz TO 100MHz	: 35 dB TYP
11.0	COMMON TO COMMON MODE ATTENUATION: 1MHz TO 100MHz	: 35dB TYP

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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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