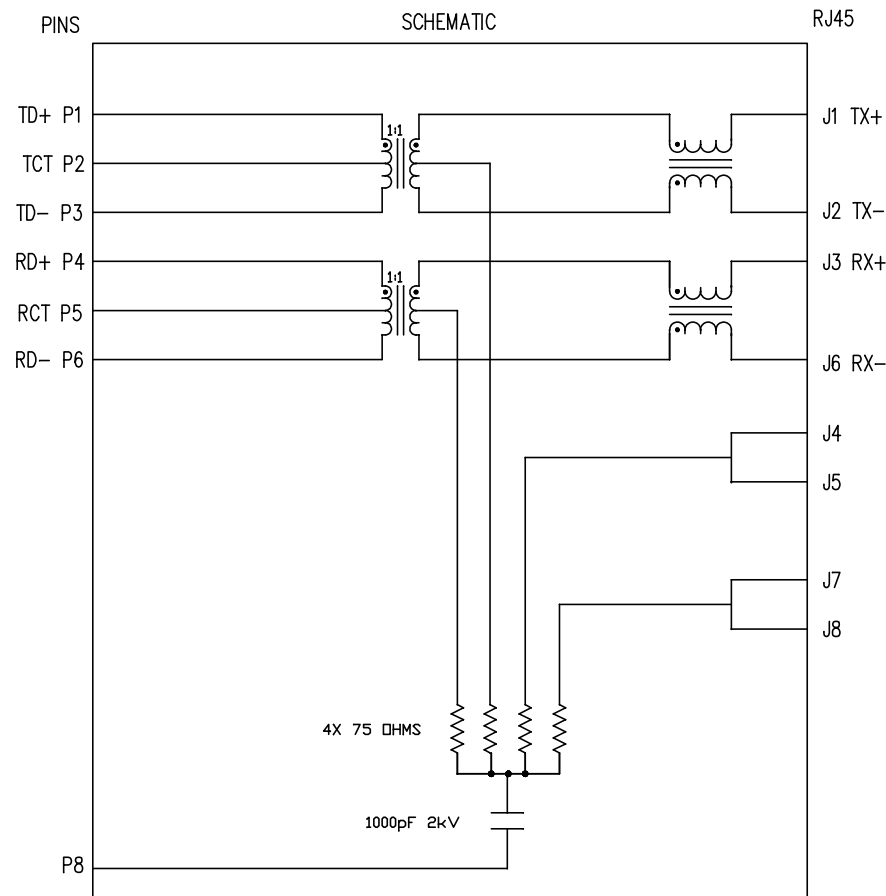




ELECTRICAL CHARACTERISTICS @ 25° C

ELECTRICAL SPECIFICATIONS:

1.0	URNS RATIO:	(P6-P5-P4) : (J6-J3)	: 1CT : 1CT± 3%
		(P3-P2-P1) : (J2-J1)	: 1CT : 1CT ± 3%
2.0	INDUCTANCE:	(P6-P4)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
		(P3-P1)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
3.0	LEAKAGE INDUCTANCE:	P6-P4 (WITH J6 AND J3 SHORT)	: 0.3uH MAX. @ 1MHz
		P3-P1 (WITH J2 AND J1 SHORT)	: 0.3uH MAX. @ 1MHz
4.0	INTERWINDING CAPACITANCE:	(P6,P5,P4) TO (J6,J3)	: 30pf MAX @ 1MHz
		(P3,P2,P1) TO (J2,J1)	: 30pf MAX. @ 1MHZ
5.0	DC RESISTANCE:	(J6-J3)=(J2-J1)	: 1.2 ohms Max.
<u>RECEIVE</u>			
6.0	RETURN LOSS:	1MHz TO 30MHz	: 18dB MIN.
		60MHz TO 80MHz	: 12dB MIN.
NOTE: 100 OHMS CONNECTED TO (J2-J1) OR (J6-J3).			
7.0	DIELECTRIC WITHSTAND:	(J1, J2) TO (P1, P3)	: 1500 Vrms
		(J3, J6) TO (P4,P6)	: 1500 Vrms
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	: 3.0 nS MAX
		PULSE WIDTH= 112nS	: 3.0 nS MAX
10.0	CROSS TALK:	1MHz TO 100MHZ	: 40 dB TYP
11.0	COMMON TO COMMON MODE ATTENUATION:		
		30MHz TO 100MHZ	: 35dB TYP



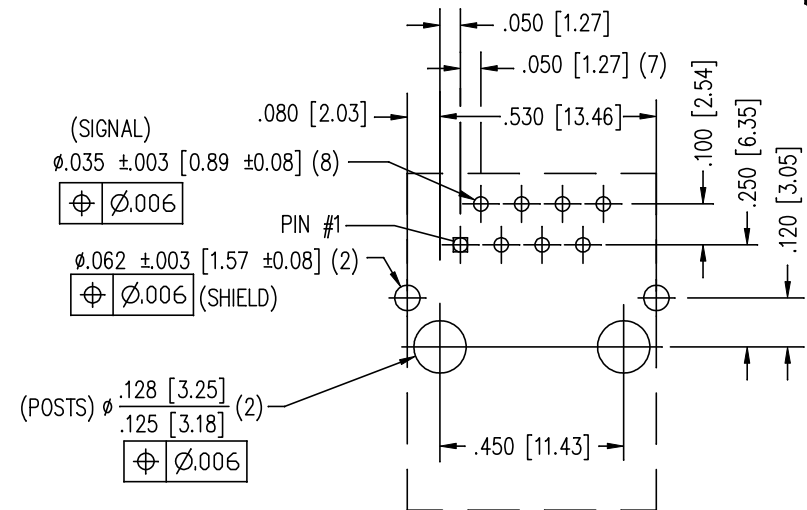
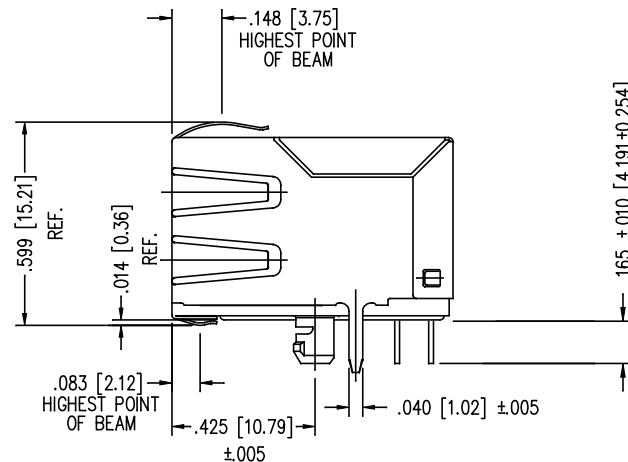
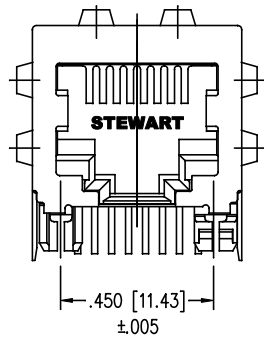
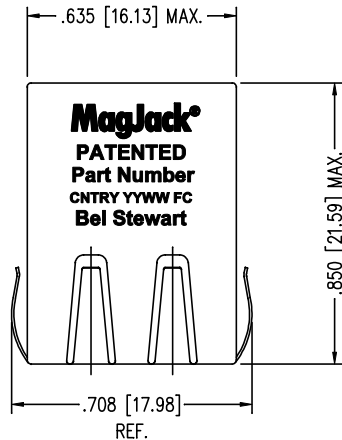
NOTES

1.0 PINS WITHOUT ELECTRICAL CONNECTION ARE OMITTED.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
Zeng Xiao Chun	2011-11-09	MagJack® 10/100BT, TAP UP,SHIELDED PATENTED	SI-60084-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
Duan Jun	2011-11-09		SI-60084-F.DWG	.XX		PAGE : 2	
				.XXX			

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RoHS



P.C.B. RECOMMENDED HOLE LAYOUT
SEEN FROM COMPONENT SIDE

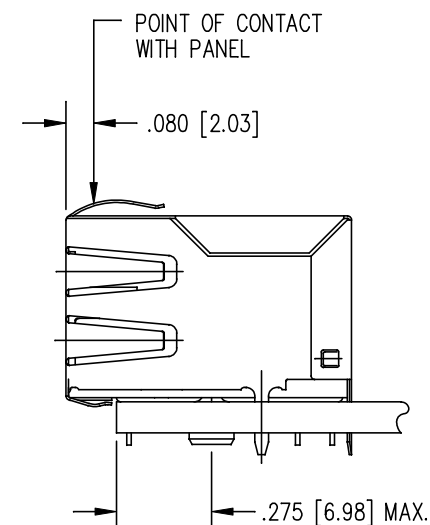
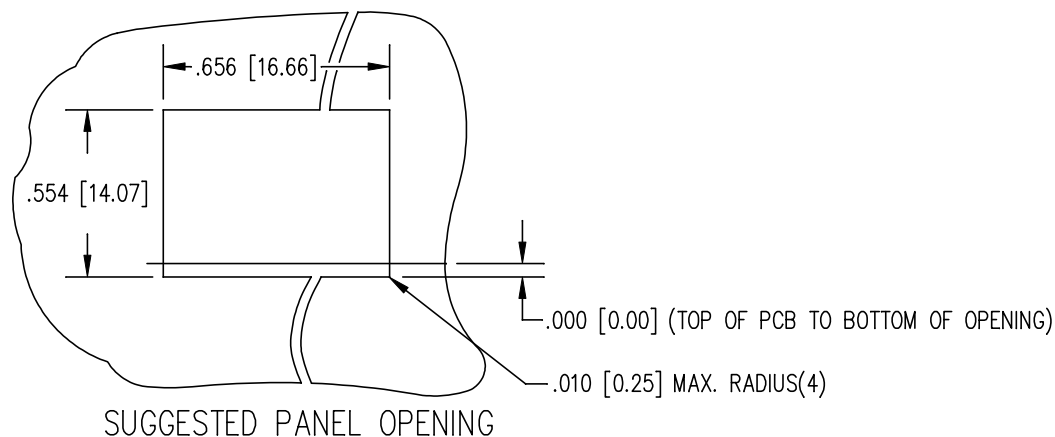
ALL CENTERLINE DIMENSIONS ARE BASIC.

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.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
Zeng Xiao Chun	2011-11-09	MagJack® 10/100BT, TAP UP, SHIELDED PATENTED	SI-60084-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
Duan Jun	2011-11-09		SI-60084-F.DWG	.XX		PAGE : 3
				.XXX		





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]

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
Zeng Xiao Chun	2011-11-09	MagJack® 10/100BT, TAP UP, SHIELDED PATENTED	SI-60084-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A0
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
Duan Jun	2011-11-09		SI-60084-F.DWG	.XX		PAGE : 4
				.XXX		