



PATENTED:
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DOCUMENT / PART NO.: SI-52007-F

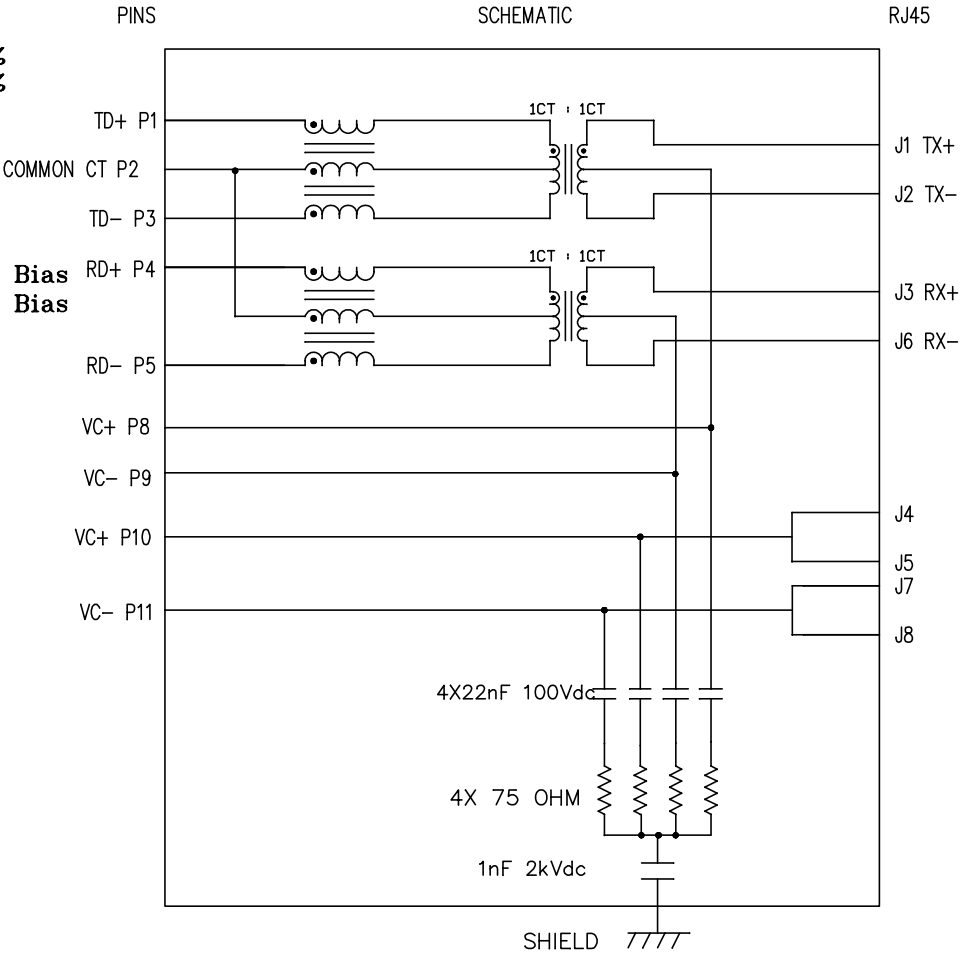
TITLE : 10/100BT, PoEP;TAB UP, SHIELDED

ISSUE	DESCRIPTION OF CHANGE								REVIEWED BY				APPROVED BY				ECN#	
01	Release for sample building.								David Chan				Steve Weller				06296	
02	Use new format and production release and change the operating temperature of -40 to 85°C								Bain Liu				Steve Weller				06363	
03	Update the circuit drawing								Bain Liu				Steve Weller				06383	
PAGE	1	2	3	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--
REV.	03	03	03	03	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PAGE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	C5182-F REV 03			
REV.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24-0483-F REV 02			



ELECTRICAL CHARACTERISTICS @ 25° C

1.0	URNS RATIO:	(P1-P3) : (J1-J2)	: 1CT : 1CT ± 2%
		(P4-P5) : (J3-J6)	: 1CT : 1CT ± 2%
2.0	DC RESISTANCE:	(P1-P3); (P4-P5)	: 1.2 OHMS
		(J1-J2); (J3-J6)	: 0.8 OHMS
3.0	INDUCTANCE:	(P1-P3)	: 350uH MIN. @ 0.1V, 100KHz, 12mA DC Bias
		(P4-P5)	: 350uH MIN. @ 0.1V, 100KHz, 12mA DC Bias
4.0	RETURN LOSS:	(P1-P3)=100 OHMS REF. AND (P4-P5)=100 OHM REF.	
		1MHz TO 30MHz	: 16dB MIN.
		60MHz TO 80MHz	: 10dB MIN.
5.0	INSERTION LOSS:	RS & RL =100 ohms	
		1MHz TO 100MHz	: 1.5 dB MAX
6.0	CROSS TALK:	1MHz - 100 MHz	: 30 dB MIN.
7.0	DIELECTRIC WITHSTAND:	(P1-P3) TO (J1-J2)	: 2000 Vrms
		(P4-P5) TO (J3-J6)	: 2000 Vrms
8.0	BALANCED DC LINE CURRENT:	USED PAIRS	: 700mA MAX
		UNUSED PAIRS	: 700mA MAX
9.0	OPERATING TEMPERATURE:		: -40 to 85° C



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
Zeng Xiaochun	2012-04-18	MagJack® 10/100BT, PoEP TAB UP, SHIELDED PATENTED	SI-52007-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : 03
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
Duan Jun	2012-04-18		SI-52007-F.DWG	.XX		PAGE : 2
				.XXX	±0.005	

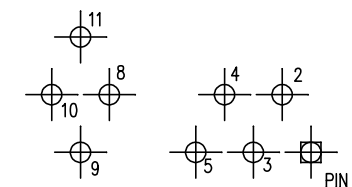
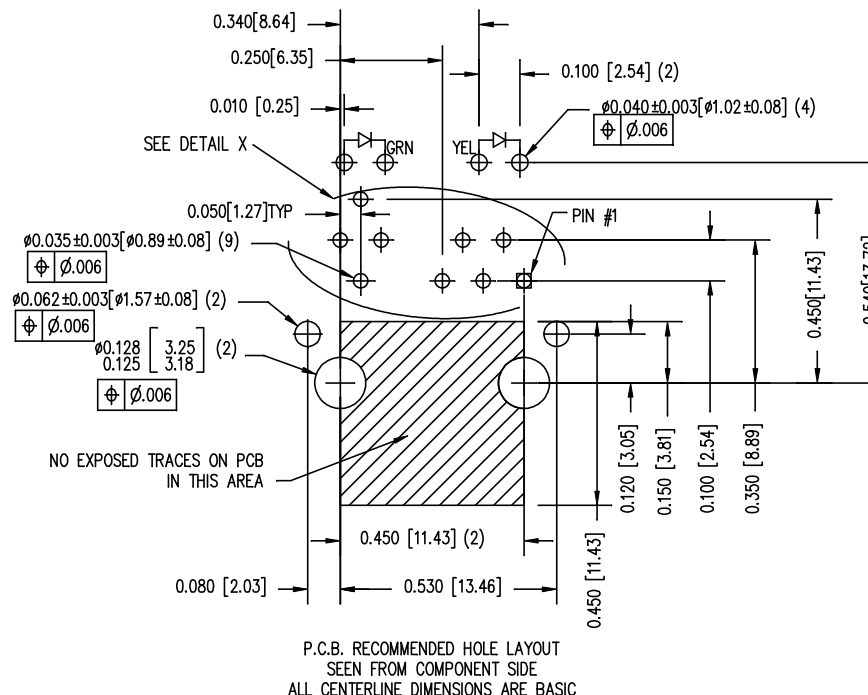
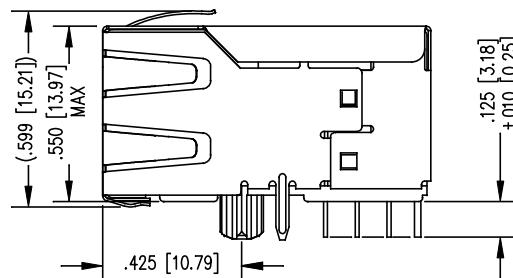
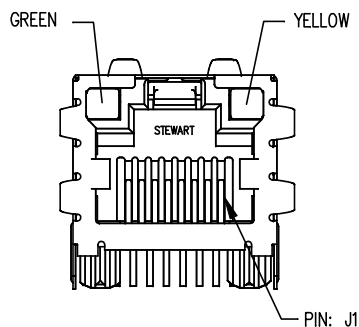
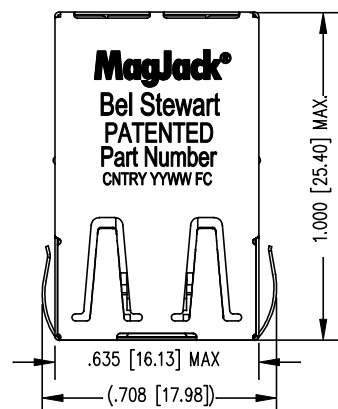
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RoHS



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 (TYP)



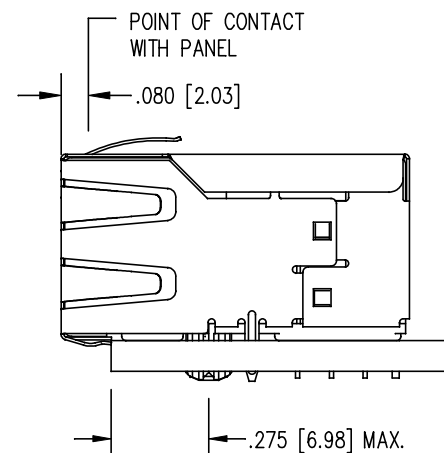
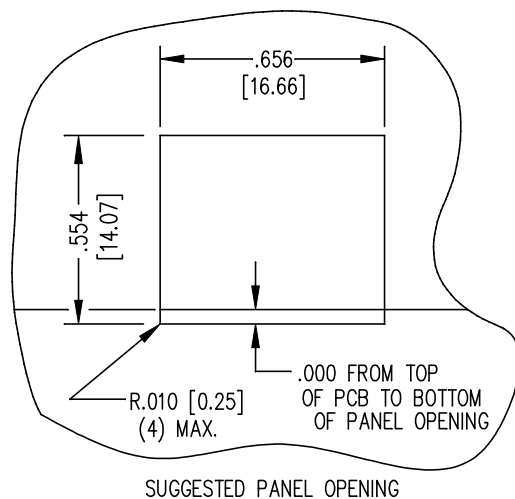
DETAIL X

NOTES:

- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: 50 MICRO-INCH SELECTIVE HARD GOLD PLATING OR EQUIVALENT 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 ± 0.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

ORIGINATED BY	DATE	TITLE MagJack® 10/100BT, PoEP TAB UP, SHIELDED PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		bel COMPONENTS FOR A CONNECTED PLANET	
Zeng Xiaochun	2012-04-18		SI-52007-F	TOL. IN INCH		UNIT : INCH [mm]			REV. : 03
DRAWN BY	DATE		FILE NAME SI-52007-F.DWG	.X		SCALE : N/A			SIZE : A4
Duan Jun	2012-04-18			.XX		PAGE : 3			
			.XXX	±0.005					





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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