



PATENTED:
THIS PRODUCT IS
COVERED BY U.S.
PATENT 5,736,910



DOCUMENT / PART NO.: SI-51006-F

TITLE : 10/100/1000BT, TAB UP SHIELDED

ISSUE	DESCRIPTION OF CHANGE								REVIEWED BY				APPROVED BY				ECN#
A0	Add a note 9.This compnent is a patent; US patent Number 7,123,117								Bain Liu				Steve Weller				06339
A1	Change circuit(C5104-F) the resistor array(26-1075) to single resistor(11-2075)								Bain Liu				Steve Weller				06367
PAGE	1	2	3	4	--	--	--	--	--	--	--	--	--	--	--	--	--
REV.	A1	A1	A1	A1	--	--	--	--	--	--	--	--	--	--	--	--	--
PAGE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	C5104-F REV A2		
REV.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24-0377-F REV A0		

ELECTRICAL CHARACTERISTICS @ 25°C

1.0 INDUCTANCE:

(P2-P3)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
(P4-P5)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
(P7-P8)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS
(P9-P10)	:	350uH MIN. @ 0.1V, 100KHz, 8mA DC BIAS

2.0 TURNS RATIO:

(P2-P3):(J1-J2)	:	1CT : 1CT ± 2%
(P4-P5):(J3-J6)	:	1CT : 1CT ± 2%
(P7-P8):(J4-J5)	:	1CT : 1CT ± 2%
(P9-P10):(J7-J8)	:	1CT : 1CT ± 2%

3.0 RETURN LOSS: 100 OHM REF.

500kHz TO 40MHz	:	-18dB MIN.
40MHz TO 100MHz	:	-12+20LOG(f/80MHz) MIN.

4.0 INSERTION LOSS: RS=RL=100 OHMS

100kHz TO 100MHz	:	-1.2dB MAX.
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5.0 CROSS TALK: Ch1-Ch2, Ch1-Ch3, Ch1-Ch4, Ch2-Ch3, Ch2-Ch4, Ch3-Ch4

1MHz TO 30MHz	:	-35dB MIN.
30MHz TO 80MHz	:	-24dB MIN.
80MHz TO 100MHz	:	-25dB MIN.

6.0 CM TO CM REJECTION:

100kHz TO 100MHz	:	-30dB MIN.
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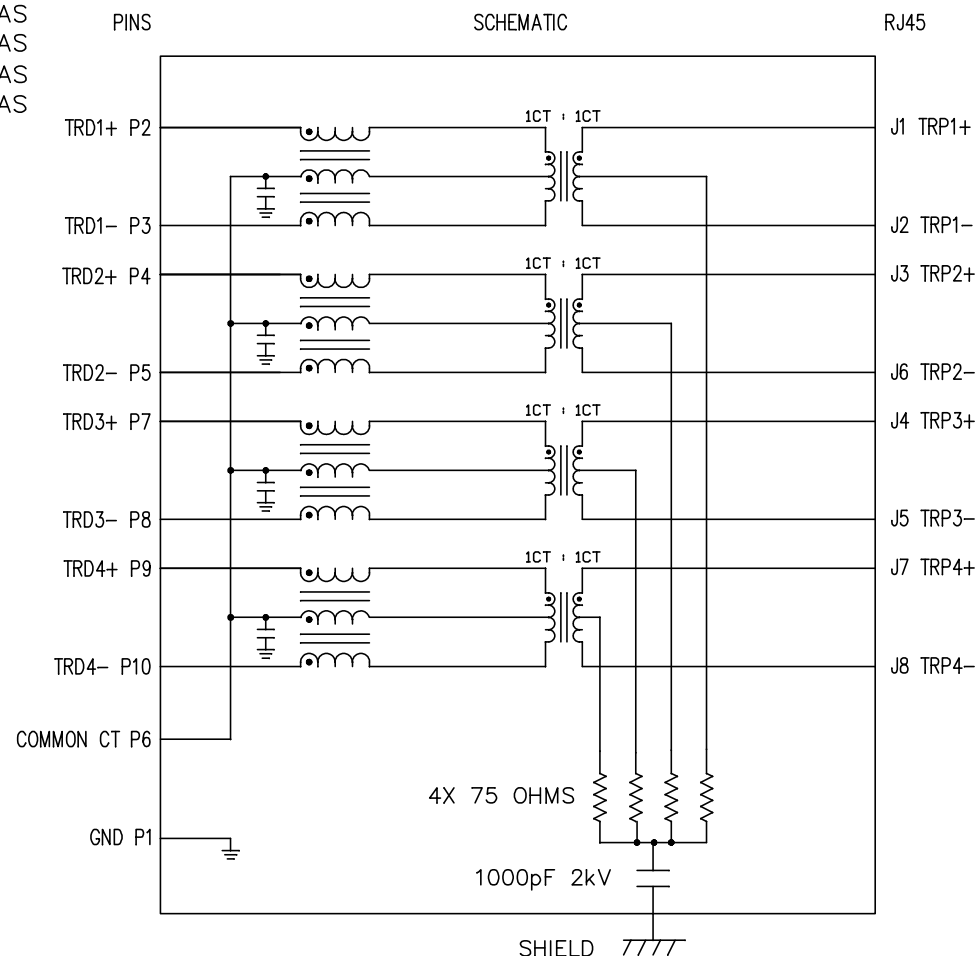
7.0 CM TO DM REJECTION:

100kHz TO 100MHz	:	-35dB MIN.
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8.0 VOLTAGE WITHSTAND:

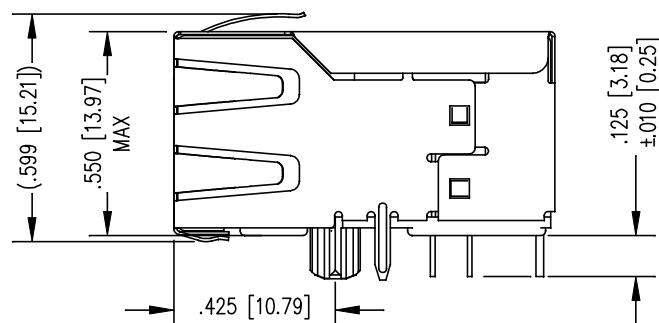
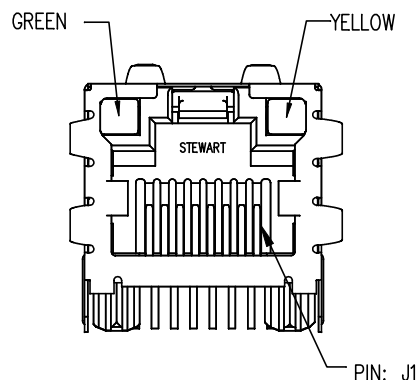
(J1,J2) TO (P2,P3)	:	1500Vrms
(J3,J6) TO (P4,P5)	:	1500Vrms
(J4,J5) TO (P7,P8)	:	1500Vrms
(J7,J8) TO (P9,P10)	:	1500Vrms

9.0 THIS COMPONENT IS A PATENT PRODUCT;US PATENT NUMBER 7,123,117.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
Zeng Xiao Chun	03-22-2011	MagJack® 10/100/1000BT TAB UP SHIELDED PATENTED	SI-51006-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : A1
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
Zhang Ru Sheng	03-22-2011		SI-51006-F.DWG	.XX		PAGE : 2
				.XXX		

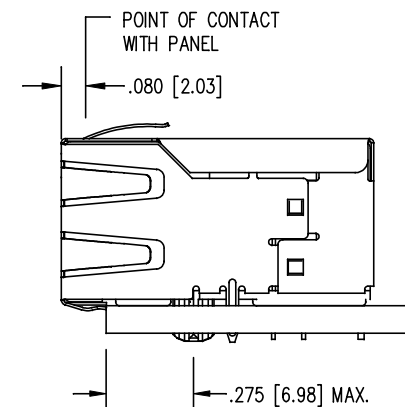
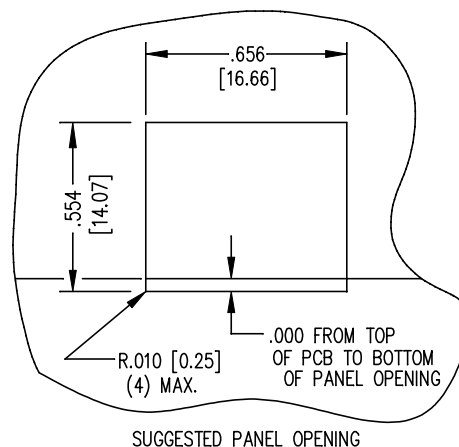
RoHS
2002/95/EC



- | | | | | | | | | | | |
|----------------|------------|---|------------------------|------|---------------|---|------------------------------|----------|---|-----------|
| ORIGINATED BY | DATE | TITLE

100/100/1000BT
TAB UP SHIELDED
PATENTED | PART NO. / DRAWING NO. | | STANDARD DIM. | | [] METRIC DIM. AS REFERENCE | | 
COMPONENTS FOR A CONNECTED PLANET | |
| Zeng Xiao Chun | 03-22-2011 | | SI-51006-F | | TOL. IN INCH | | UNIT : INCH [mm] | | | REV. : A1 |
| DRAWN BY | DATE | | FILE NAME | | .X | | SCALE : N/A | | | SIZE : A4 |
| Zhang Ru Sheng | 03-22-2011 | SI-51006-F.DWG | | .XX | |  | | PAGE : 3 | | |
| | | | | .XXX | | ±0.005 | | | | |

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ORIGINATED BY Zeng Xiao Chun	DATE 03-22-2011	TITLE MagJack® 100/100/1000BT TAB UP SHIELDED PATENTED	PART NO. / DRAWING NO. SI-51006-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY Zhang Ru Sheng	DATE 03-22-2011		FILE NAME SI-51006-F.DWG	.X .XX .XXX ±0.005	UNIT : INCH [mm]	REV. : A1	
					SCALE : N/A 	SIZE : A4 PAGE : 4	