

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[SI-51021-F](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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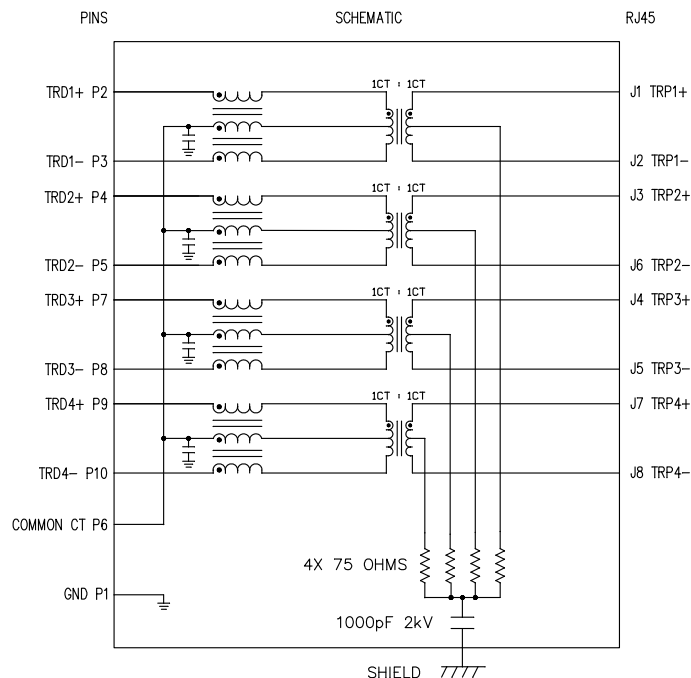


ELECTRICAL SPECIFICATIONS:

DESIGNED FOR OPERATION FROM -40 TO 85 degrees C

1.0 INDUCTANCE:	(P2-P3) : (J1-J2)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
	(P4-P5) : (J3-J6)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
	(P7-P8) : (J4-J5)	: 350uH MIN. @ 0.1V, 100KHz, 8mA DC Bias
	(P9-P10) : (J7-J8)	: 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.
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.
7.0 CM TO DM REJECTION:	100kHz TO 100MHz	: -35dB MIN.
8.0 VOLTAGE WITHSTAND:	(J1, J2) TO (P2, P3)	: 1500 Vrms
	(J3, J6) TO (P4, P5)	: 1500 Vrms
	(J4, J5) TO (P7, P8)	: 1500 Vrms
	(J7, J8) TO (P9, P10)	: 1500 Vrms

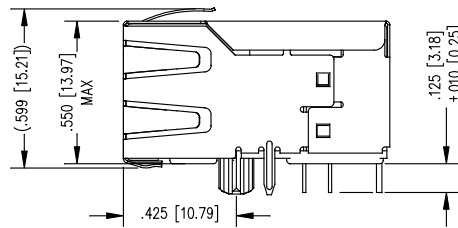
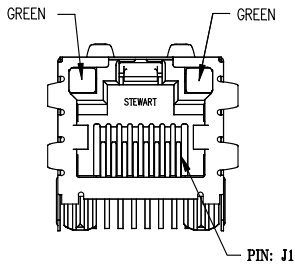
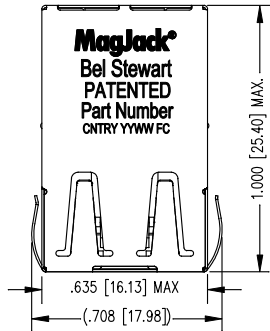
9.0 THIS COMPONENT IS A PATENT PRODUCT;US PATENT NUMBER 7,123,117.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
Zeng Xiao Chun	03-21-2011	MagJack® TAB UP SHIELDED 10/100/100BT PATENTED	SI-51021-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A
Zhang Ru Sheng	03-21-2011		SI-51021-F.DWG	.XX	SIZE : A4
				.XXX	±0.005
					PAGE : 2

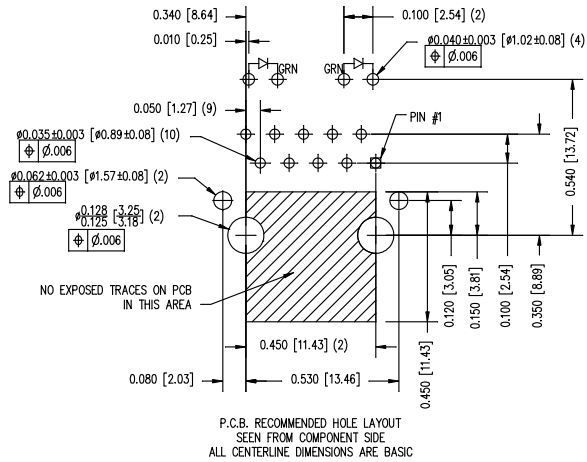


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LED SPECIFICATION			
STANDARD LED	WAVELENGTH	FORWARD V (MAX)	* (TYP)
GREEN	565 nm	2.5 V	2.2 V

*WITH A FORWARD CURRENT OF 20 mA (TYP)



NOTES:

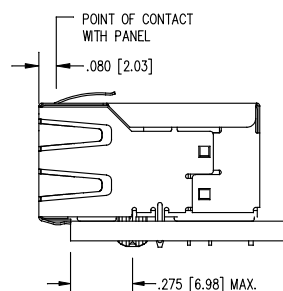
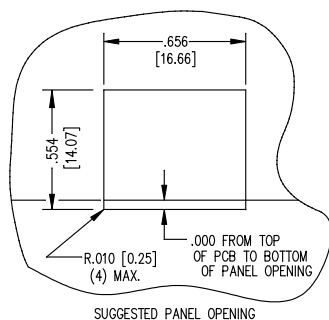
- CONNECTOR MATERIALS:
HOUSING: THERMOPLASTIC UL94 V-0
CONTACT/SHIELD: COPPER ALLOY
SHIELD PLATING: NICKEL OR TIN
CONTACT PLATING: SELECTIVE GOLD,
50 MICRO-INCHES MIN. IN CONTACT AREA.
- PIN NOT ELECTRICALLY CONNECTED MAYBE OMITTED.
SEE ELECTRICAL DRAWING FOR OMITTED PINS.
- TOLERANCES COMPLY WITH F.C.C. DIMENSION REQUIREMENTS.
- ALL TOLERANCES NOT OTHERWISE SPECIFIED TO BE ± 0.005 [0.13]
- REFLOW AND WAVE SOLDER COMPATIBLE -260°C FOR 10 SECONDS MAX.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : 02
Zeng Xiao Chun	03-21-2011	MagJack® TAB UP SHIELDED 10/100/100BT PATENTED	SI-51021-F SI-51021-F.DWG	X			SCALE : N/A SIZE : A4 PAGE : 3
DRAWN BY	DATE			XX			
Zhang Ru Sheng	03-21-2011			XXX	±0.005		





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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]

ORIGINATED BY	DATE	TITLE MagJack® TAB UP SHIELDED 10/100/100BT PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE		bel COMPONENTS & CONSTRUCTION PLANET
Zeng Xiao Chun	03-21-2011		SI-51021-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : 02	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4	
Zhang Ru Sheng	03-21-2011		SI-51021-F.DWG	.XX			
			.XXX	±0.005		PAGE : 4	

