



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1

RX 1CT : 1

QCL @ 100kHz/100mVRMS

8mA DC BIAS 350μH MIN.

INS. LOSS

1MHz TO 100MHz -1.0 dB MAX

RET. LOSS (MIN)

1MHz-30MHz -18 dB

30MHz-60MHz -18+20LOG(F/30MHz) dB

60MHz-80MHz -12 dB

CROSS TALK (TX - RX)

500kHz-1MHz -70 dB MIN

10 MHz -50 dB MIN

30 MHz -45 dB MIN

50 MHz -40 dB MIN

100 MHz -35 dB MIN

CM TO CM REJ

100kHz-1MHz -70 dB MIN

10 MHz -47 dB MIN

30 MHz -42 dB MIN

60 MHz -37 dB MIN

100 MHz -30 dB MIN

CM TO DM REJ

100kHz-1MHz -70 dB MIN

10 MHz -60 dB MIN

30 MHz -50 dB MIN

60 MHz -45 dB MIN

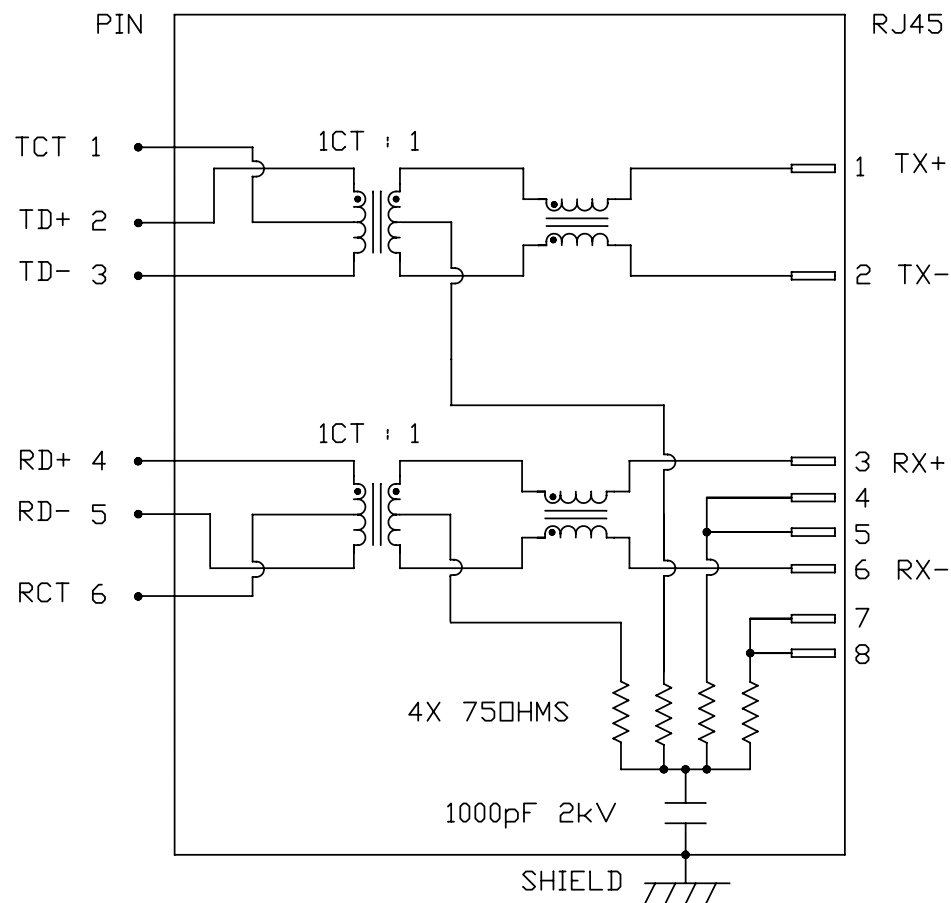
100 MHz -40 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY
WITH IEEE 802.3 ISOLATION REQUIREMENTS

SCHEMATIC

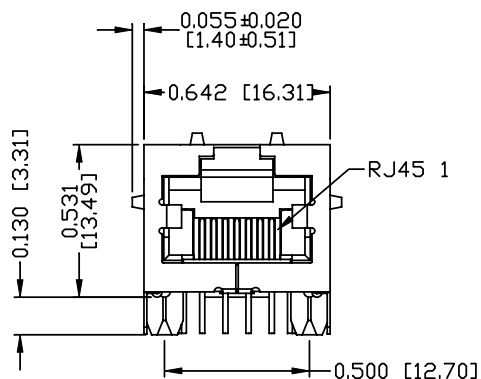


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	2012-07-09	10/100 MagJack®	08B11X1T06-F	TOL. IN INCH	UNIT : INCH [mm]
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.X	REV. : C
TANG QIGUANG	2012-07-09	08B1-1X1T-06-F	08B11X1T06-F_C.DWG	.XX	SCALE : N/A
		PATENTED		.XXX	SIZE : A4
					PAGE : 2

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MECHANICAL SPECIFICATION

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

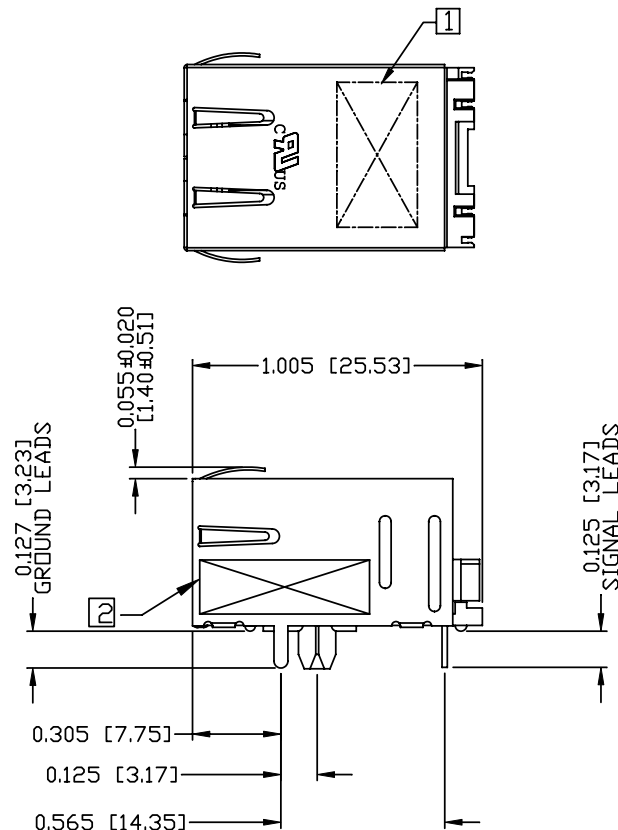
METAL SHIELD: PRE-PLATED NICKEL ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.

2. "PATENTED" MARKING.

3. THE PRODUCT IS RoHS COMPLIANT.



4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.

5. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : C
ANTON LIAO	2012-07-09	10/100 MagJack® (4 Cores, MDIX, CM Termination)	08B11X1T06-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX			PAGE : 3
				.XXX	±0.010		
HE ZHEN	2012-07-09	08B1-1X1T-06-F PATENTED	08B11X1T06-F_C.DWG				

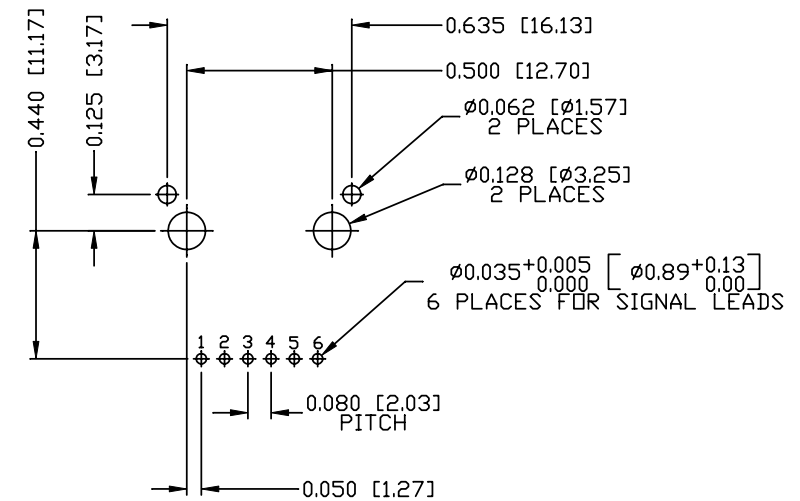
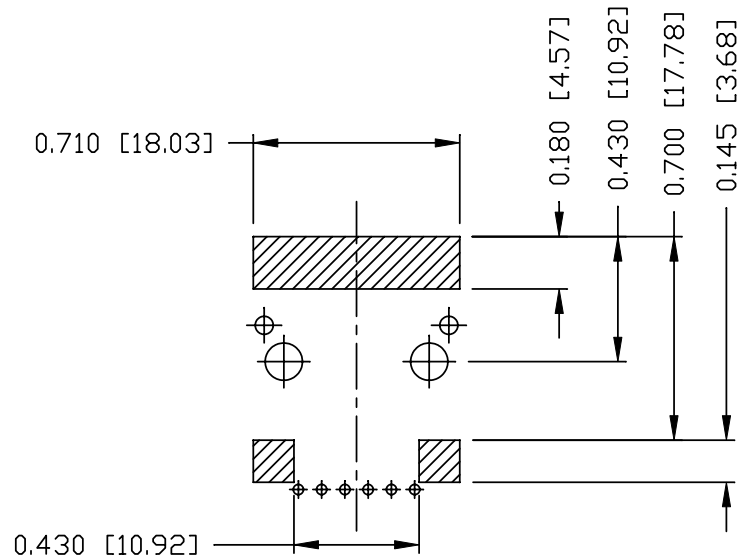


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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES:

THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

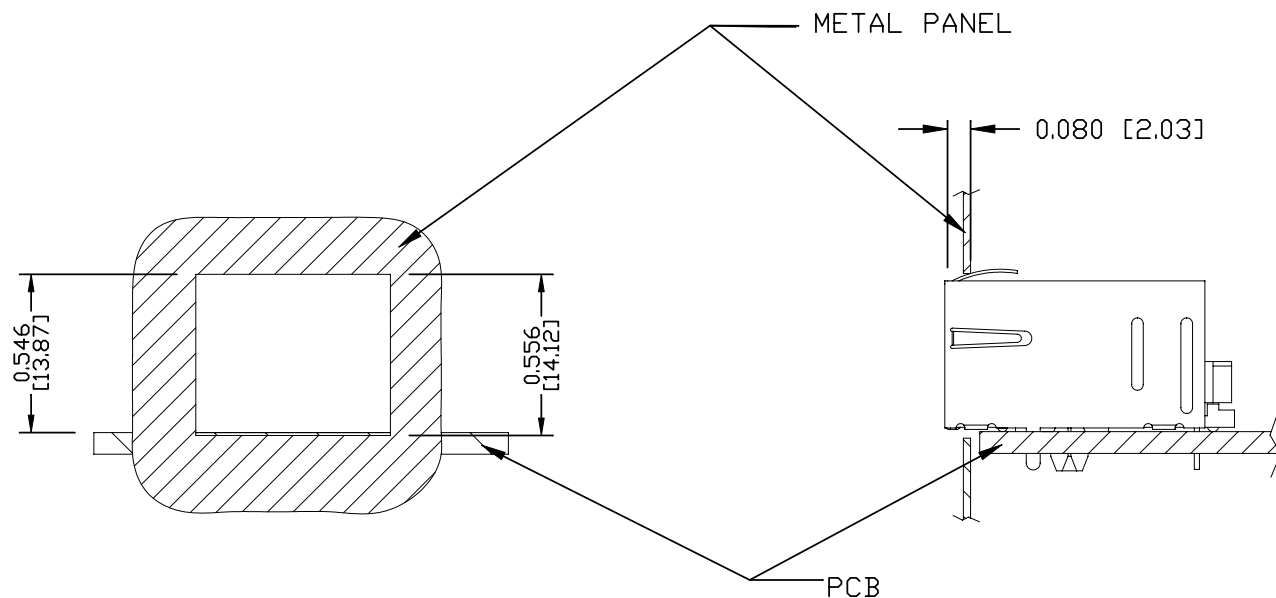
ORIGINATED BY	DATE	TITLE 10/100 MagJack® (4 Cores, MDIX, CM Termination) 08B1-1X1T-06-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
ANTON LIAD	2012-07-09		08B11X1T06-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : C	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
HE ZHEN	2012-07-09		08B11X1T06-F_C.DWG	.XX			PAGE : 4	
				.XXX	±0.004			

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SUGGESTED PANEL OPENING



NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION.
IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-D4(TOP)

0200-9999-D5(BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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DRAWN BY	DATE	08B1-1X1T-06-F PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-07-09		08B11X1T06-F_C.DWG	.XXX ±0.004	PAGE : 5

