



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1
RX 1CT : 1

CL @ 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-100MHz -35 dB MIN

CM TO CM REJ

100kHz-100MHz -30 dB MIN

CM TO DM REJ

100kHz-100MHz -40 dB MIN

HIPOT (Isolation Voltage):

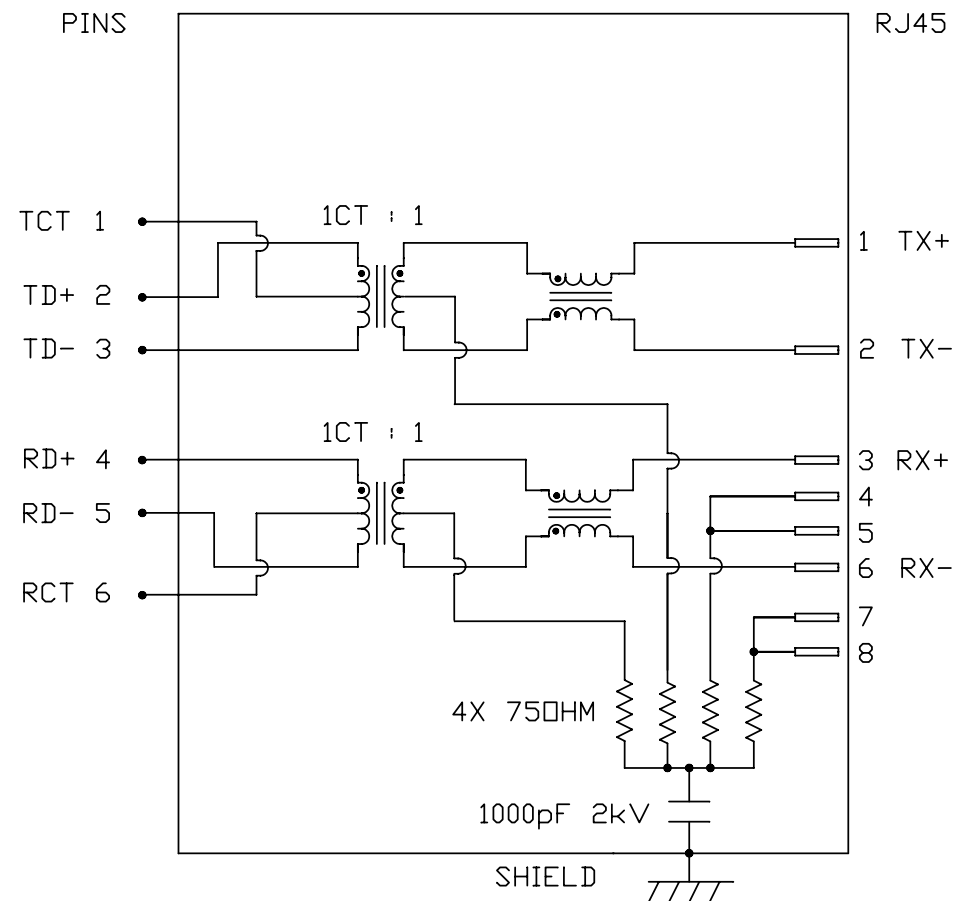
1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENT

OPERATING TEMPERATURE: -40°C TO 85°C

SCHEMATIC



ORIGINATED BY	DATE
CHOW WANGCHUNG	03-25-09
DRAWN BY	DATE
LI YONGFENG	03-25-09

TITLE
MagJack® 4 CORE, WITH CM TERM Extended temperature S811-1X1T-36-F

PART NO. / DRAWING NO.
S8111X1T36-F
FILE NAME
S8111X1T36-F_B.DWG

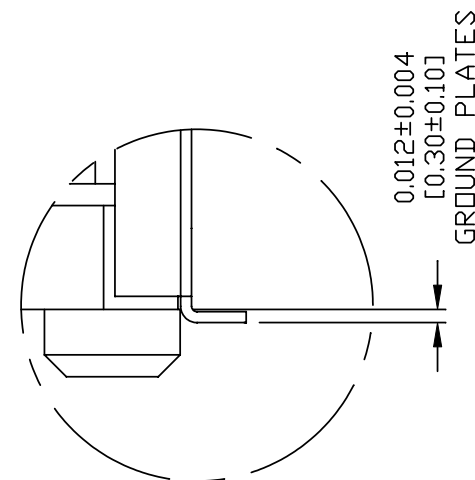
STANDARD DIM.	TOL. IN INCH
.X	
.XX	
.XXX	

[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : B
SIZE : A4
PAGE : 2

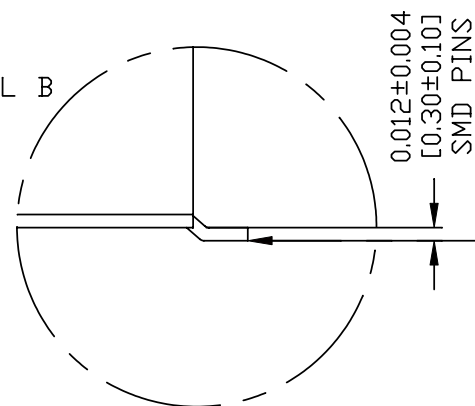
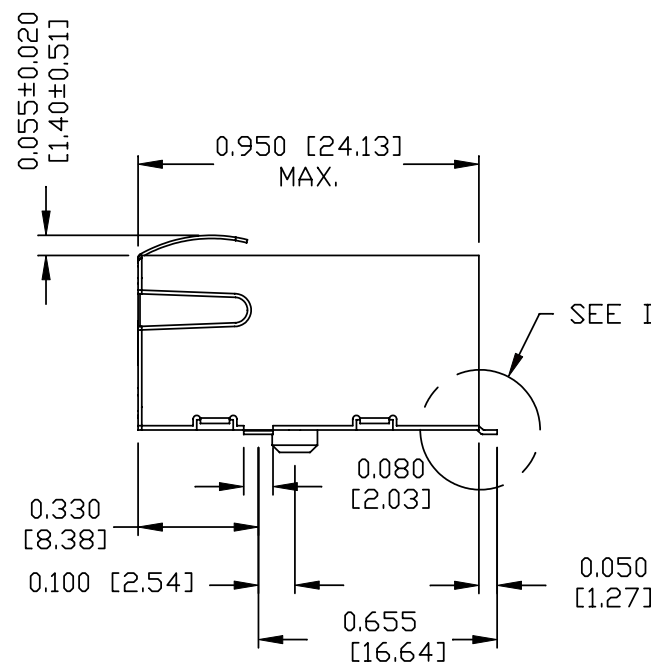
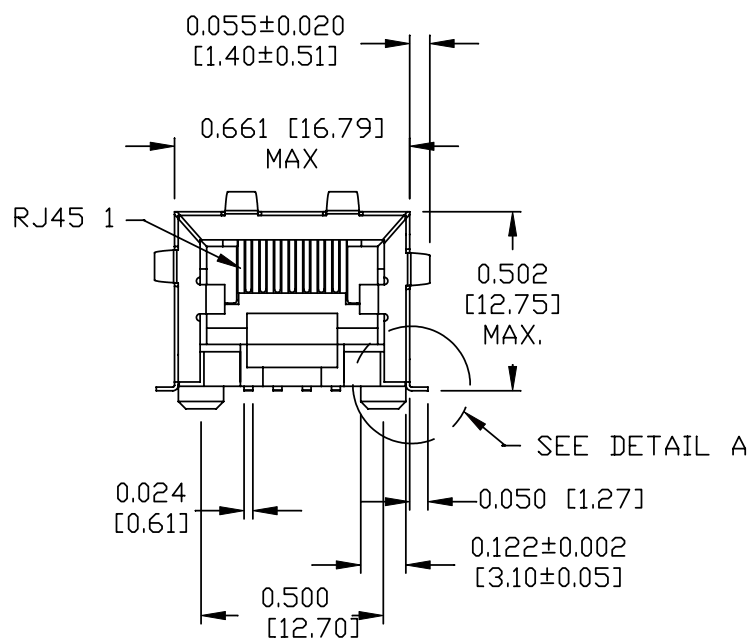


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RoHS
2002/95/EC



DETAIL A
SCALE 3:1



DETAIL B
SCALE 3:1

	0.006
	0.006

ORIGINATED BY	DATE
LIU QIN	03-25-09
DRAWN BY	DATE
XIAN JIAXIN	03-25-09

TITLE
MagJack® 4 CORE, WITH CM TERM Extended temperature S811-1X1T-36-F

PART NO. / DRAWING NO.
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FILE NAME
S8111X1T36-F_B.DWG

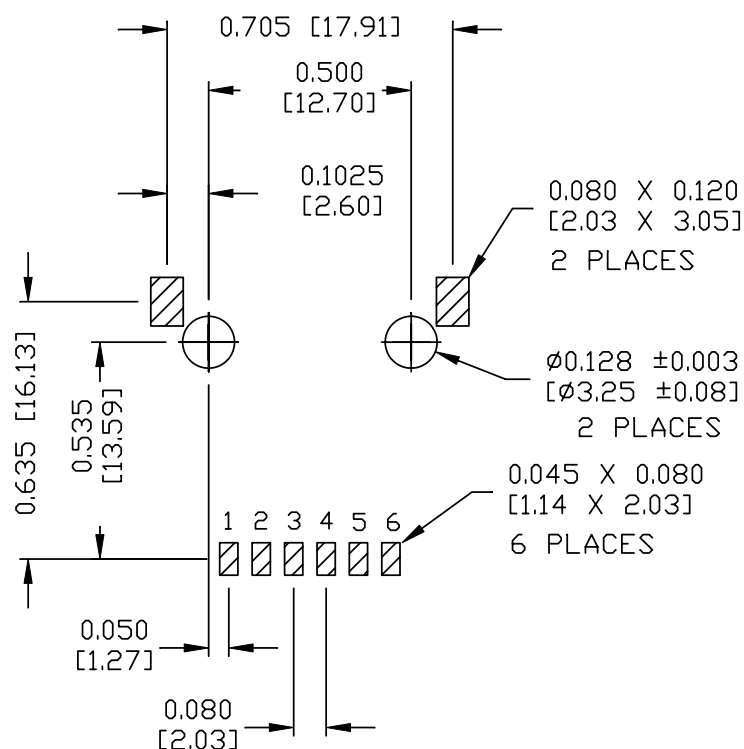
STANDARD DIM.	
TOL. IN INCH	
.X	
.XX	
.XXX	±0.010

[] METRIC DIM. AS REFERENCE	
UNIT : INCH [mm]	REV. : B
SCALE : N/A	SIZE : A4
	PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET



RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



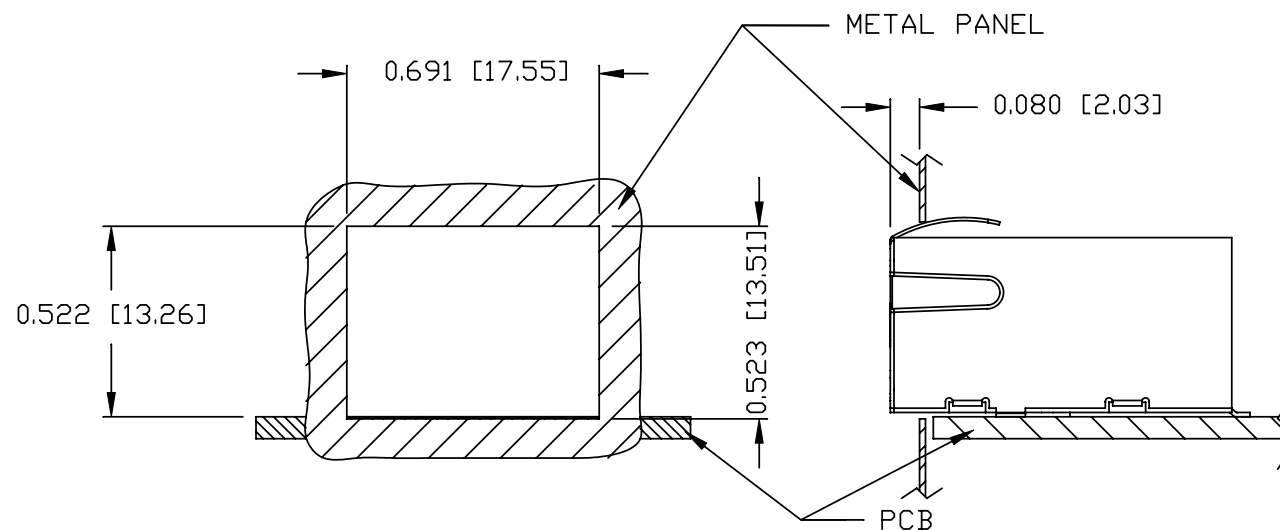
NOTES:

1. PLASTIC HOUSING: THERMOPLASTIC PA & THERMOSET PHENOLIC.
FLAMMABILITY RATING UL 94V-0
 2. CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
 3. PINS: TIN-COATED COPPER WIRE,
0.024 [0.6] X 0.012 [0.3] THK,
 4. METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
 5. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC.
- UL** USUL RECOGNIZED - FILE #E196366 AND E169987.
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY LIU QIN	DATE 03-25-09	TITLE MagJack® 4 CORE, WITH CM TERM Extended temperature S811-1X1T-36-F	PART NO. / DRAWING NO. S8111X1T36-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : B
DRAWN BY XIAN JIAXIN	DATE 03-25-09		FILE NAME S8111X1T36-F_B.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 4





SUGGESTED PANEL OPENING



NOTES:

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.

ORIGINATED BY	DATE	TITLE MagJack® 4 CORE, WITH CM TERM Extended temperature S811-1X1T-36-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A COMPLETED PLANT
LIU QIN	03-25-09		S8111X1T36-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
XIAN JIAXIN	03-25-09		S8111X1T36-F_B.DWG	.XX			PAGE : 5	
				.XXX	±0.004			