

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1
RX 1CT : 1

OCL @ 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

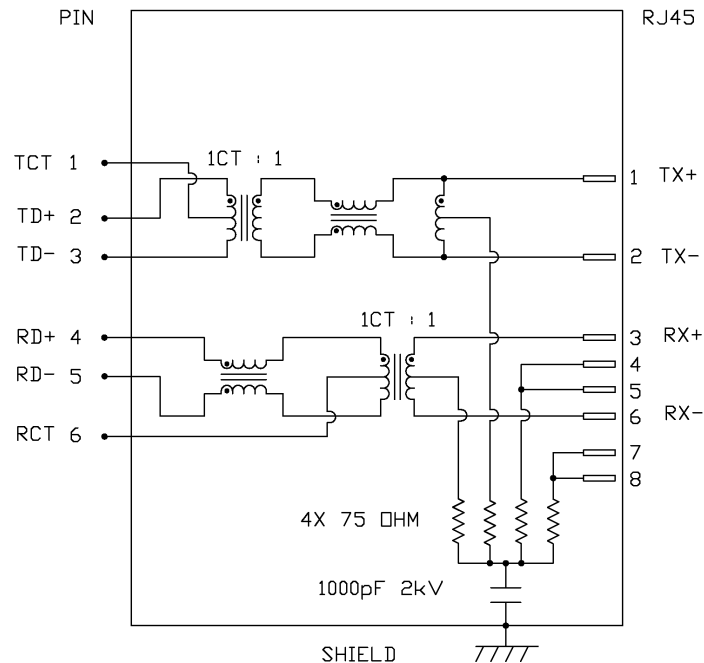
CM TO DM REJ

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):

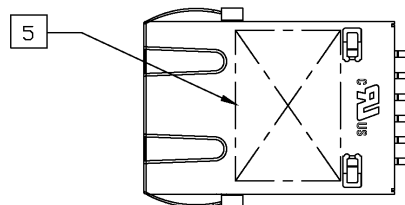
1500 Vrms

SCHEMATIC

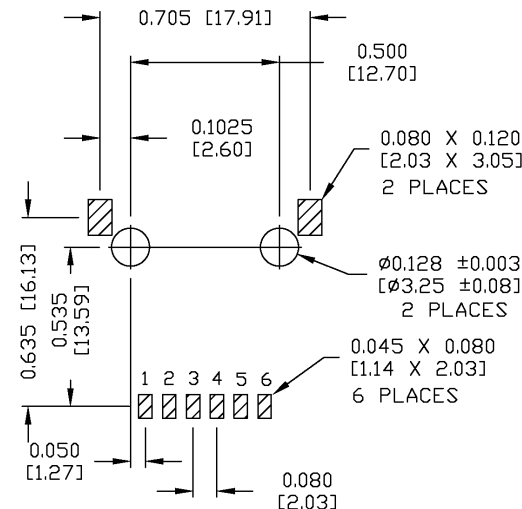
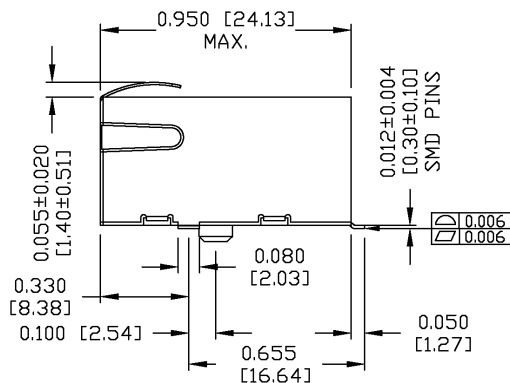
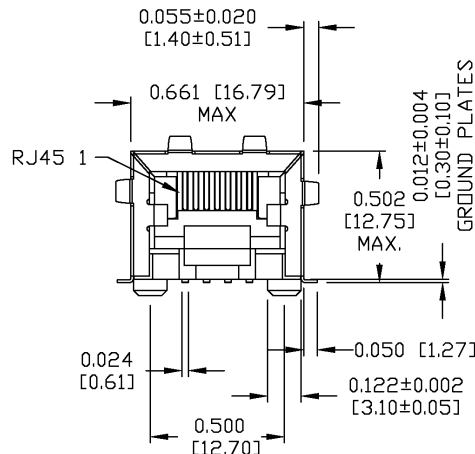


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHUNG	11-25-05	SMD MagJack® (CM Termination) S811-1X1T-A4-F	S811X1TA4-F	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
DE	11-25-05		S811X1TA4-FB.DWG	.XX	SIZE : A4	
				.XXX	PAGE : 2	

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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



NOTES:

1. PLASTIC HOUSING: THERMOPLASTIC PA 4/6 & 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 COPPER ALLOY.
5. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.

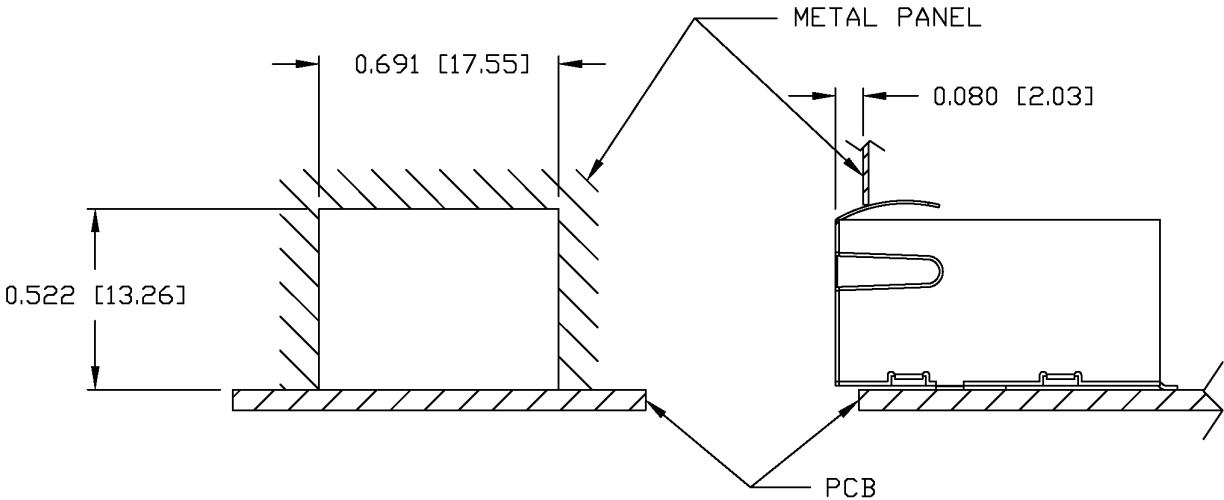
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS OR A CONNECTED PLANET
QIN\KEUNG	11-25-05	SMD MagJack® (CM Termination) S811-1X1T-A4-F	S811X1TA4-F	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
TING	11-25-05		S811X1TA4-FB.DWG	.XX	SIZE : A4	
				.XXX	±0.010	PAGE : 3



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 SMD MagJack® (CM Termination) S811-1X1T-A4-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
QIN\KEUNG	11-25-05		S811X1TA4-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4
TING	11-25-05			.XX			
		.XXX		±0.004			
			S811X1TA4-FB.DWG				