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RoHS



LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 9	PIN 10	COLOR
-	+	YELLOW	-	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX	1CT : 1
RX	1CT : 1
□CL @ 100kHz/100mVRMS	350μH MIN
8mA DC BIAS	
INS. LOSS	
1MHz TO 100MHz	-1.1 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 - 100 MHz	-30 dB MIN
CM TO CM REJ	
100kHz - 100 MHz	-30 dB MIN
CM TO DM REJ	
100kHz - 100 MHz	-40 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY	
WITH IEEE 802.3 ISOLATION REQUIREMENTS	

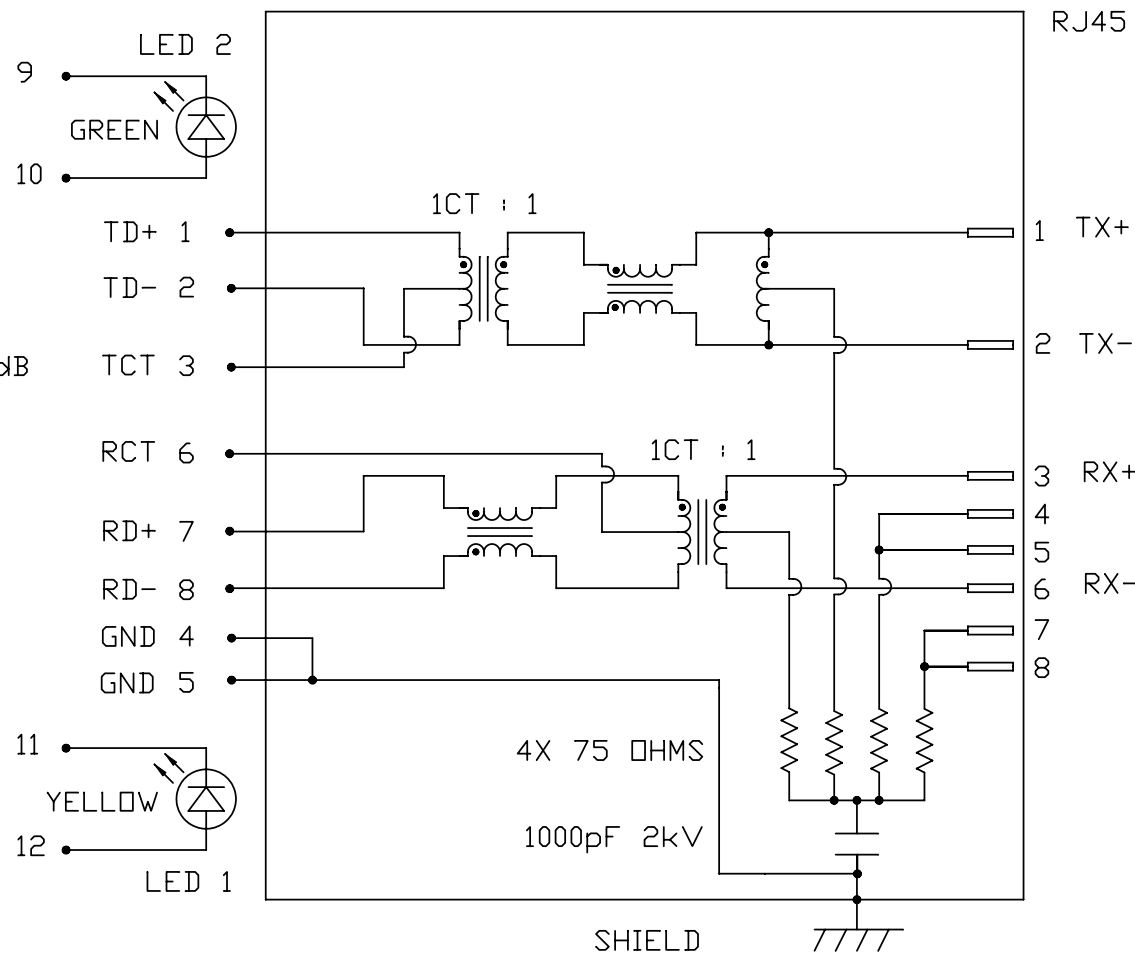
LED 1

VF (FORWARD VOLTAGE)	IF=20mA	YELLOW	2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW	590nm TYP.

LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.

SCHEMATIC



ORIGINATED BY DATE
CHOW WANCHUNG 2012-07-11

DRAWN BY DATE
TAN QIGUANG 2012-07-11

TITLE
staggered pin MagJack®
(5 cores)
0817-1A1T-11-F
PATENTED

PART NO. / DRAWING NO.
08171A1T11-F

FILE NAME
08171A1T11-F_C.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm]

SCALE : N/A

⊕

REV. : C

SIZE : A4

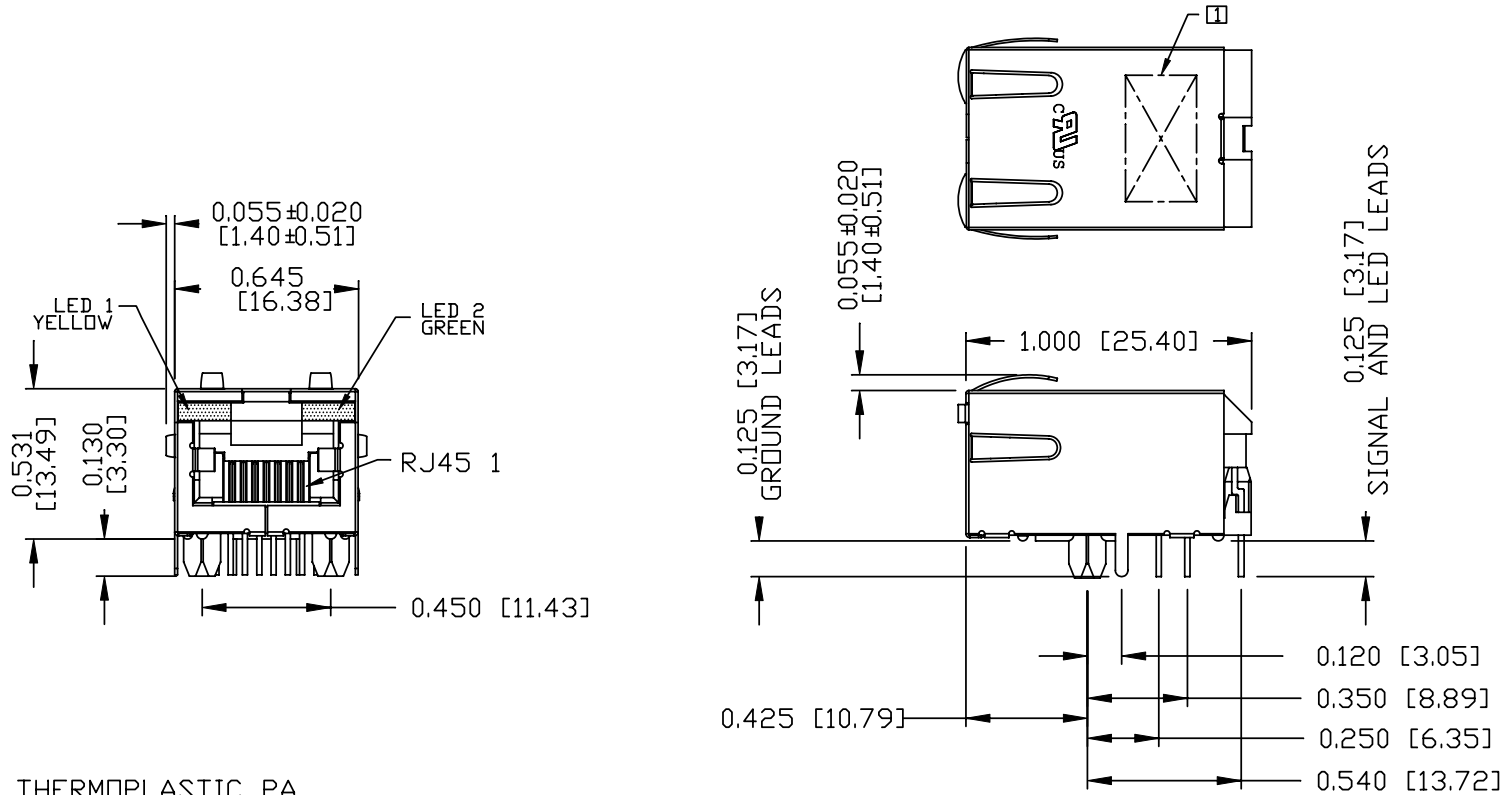
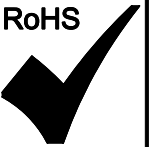
PAGE : 2

bel
COMPONENTS FOR A
CONNECTED
PLANET

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MECHANICAL SPECIFICATION

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NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.016 AND DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

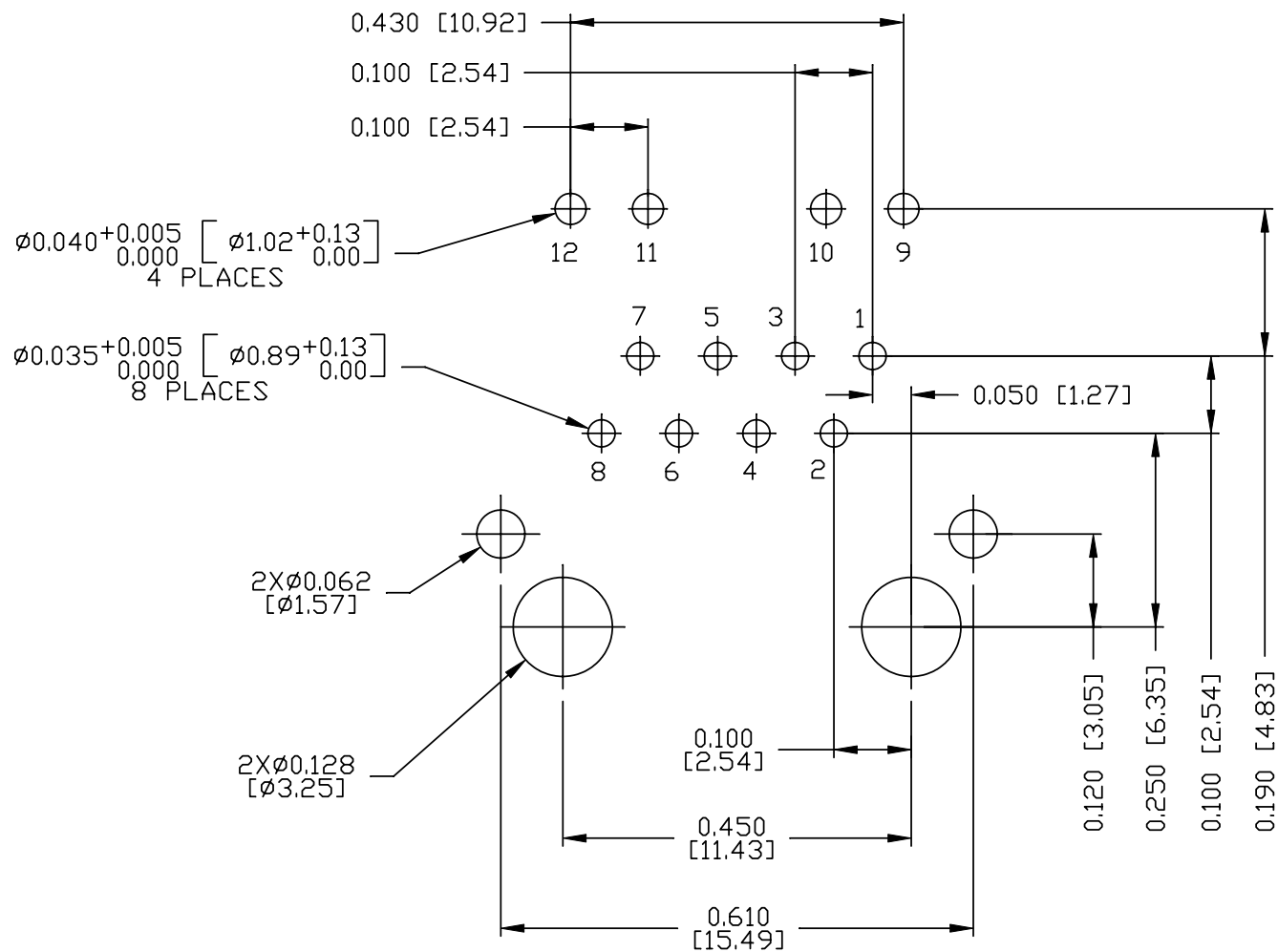
- 1. THE PRODUCT IS RoHS COMPLIANT.
- 2. THE PRODUCT IS RoHS COMPLIANT.
- 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- 4. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY ANTON LIAO	DATE 2012-07-11	TITLE staggered pin MagJack® (5 cores) 0817-1A1T-11-F PATENTED	PART NO. / DRAWING NO. 08171A1T11-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY HE ZHEN	DATE 2012-07-11		FILE NAME 08171A1T11-F_C.DWG	.X	UNIT : INCH [mm]	REV. : C	
			.XX	SCALE : N/A	SIZE : A4		
			.XXX ±0.010		PAGE : 3		

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RECOMMENDED PCB FOOTPRINT

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ORIGINATED BY ANTON LIAO	DATE 2012-07-11
DRAWN BY HE ZHEN	DATE 2012-07-11

TITLE staggered pin MagJack® (5 cores) 0817-1A1T-11-F PATENTED
--

PART NO. / DRAWING NO. 08171A1T11-F
FILE NAME 08171A1T11-F_C.DWG

STANDARD DIM. TOL. IN INCH
.X
.XX
.XXX
±0.004

[] METRIC DIM. AS REFERENCE	REV. : C
UNIT : INCH [mm]	SIZE : A4
SCALE : N/A	PAGE : 4

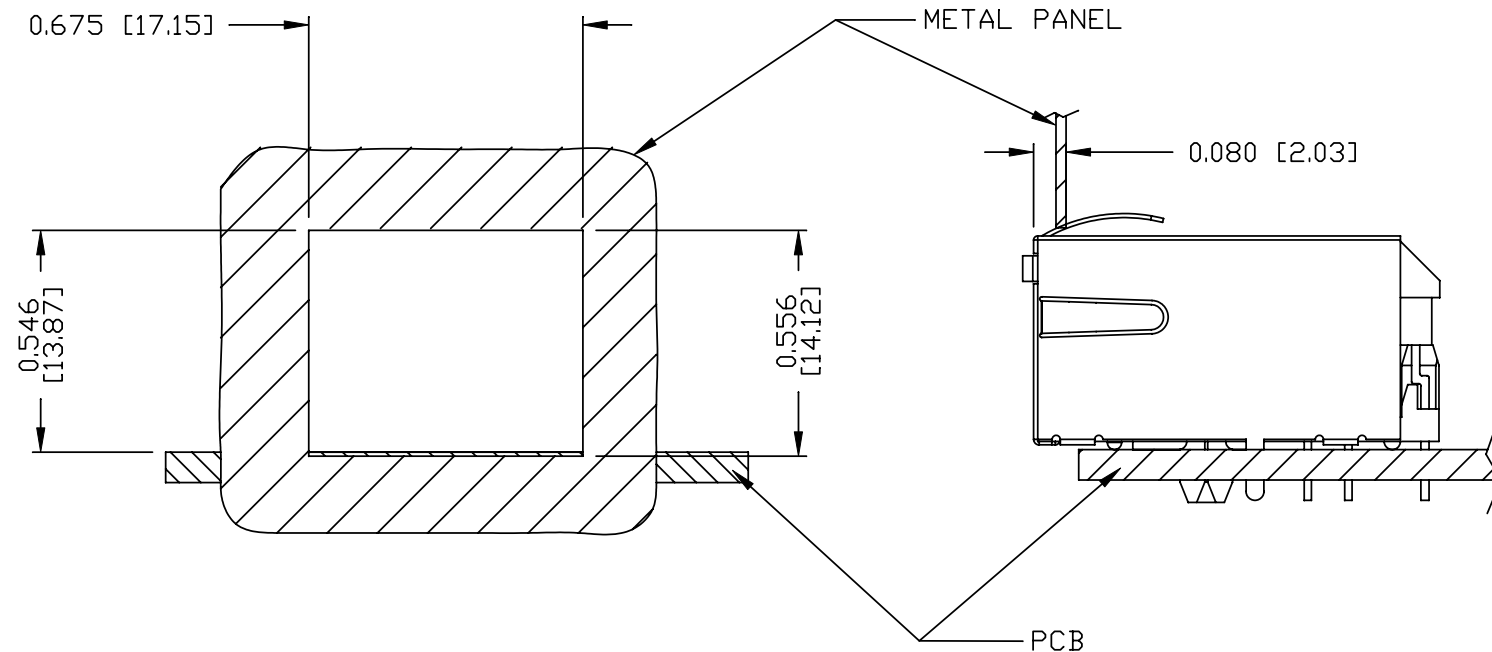


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SUGGESTED PANEL OPENING



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-A2

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 HE ZHEN		DATE 2012-07-11	FILE NAME 08171A1T11-F_C.DWG	.X .XX .XXX	±0.004	UNIT : INCH [mm] SCALE : N/A	REV. : C SIZE : A4 PAGE : 5	