

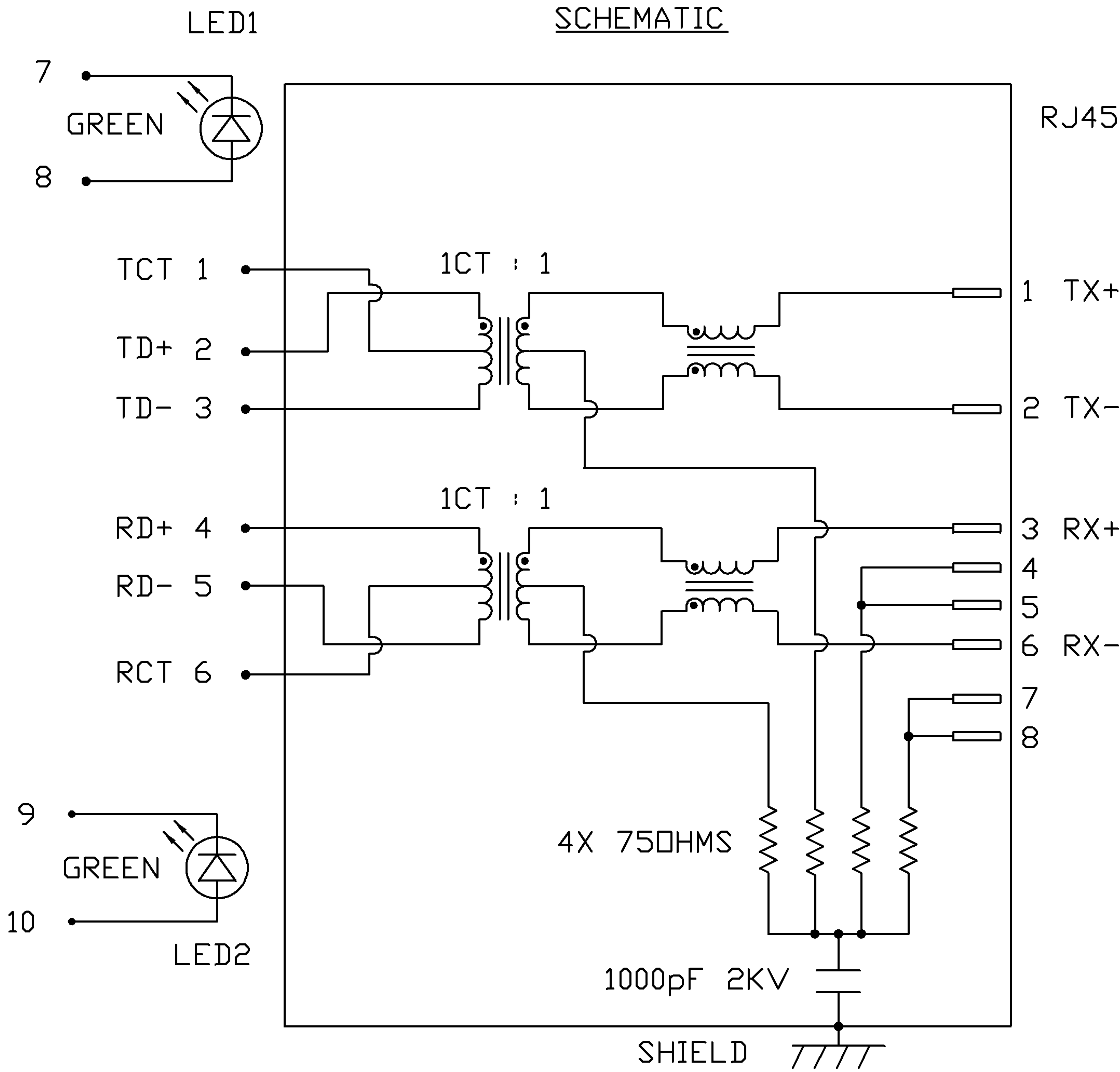
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RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

TRANSFORMER	1CT : 1
TX	1CT : 1
RX	1CT : 1
OCL @ 100kHz/100mVRMS	350μH MIN.
8mA DC BIAS	
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.	
LED1 and LED2	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.



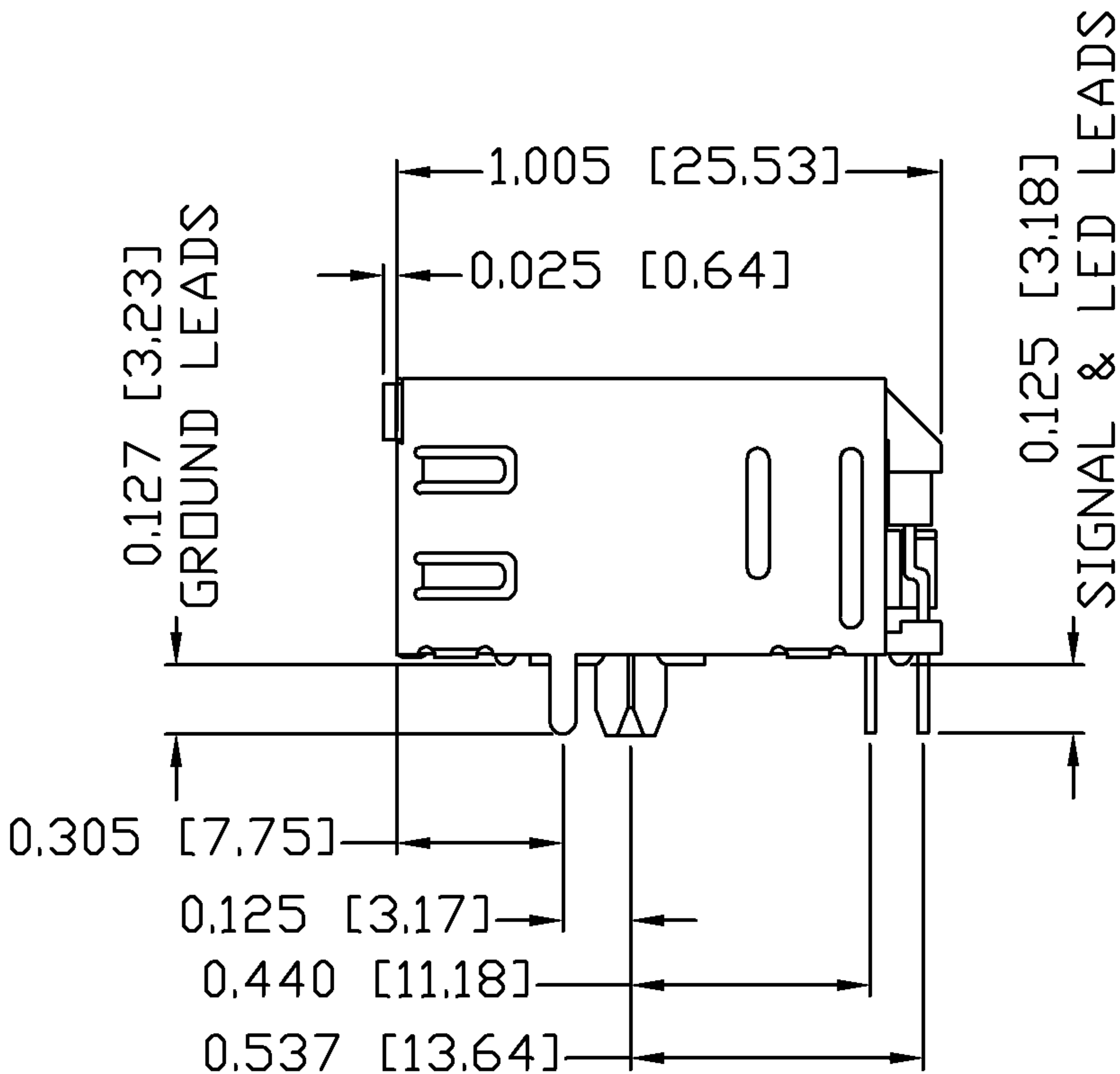
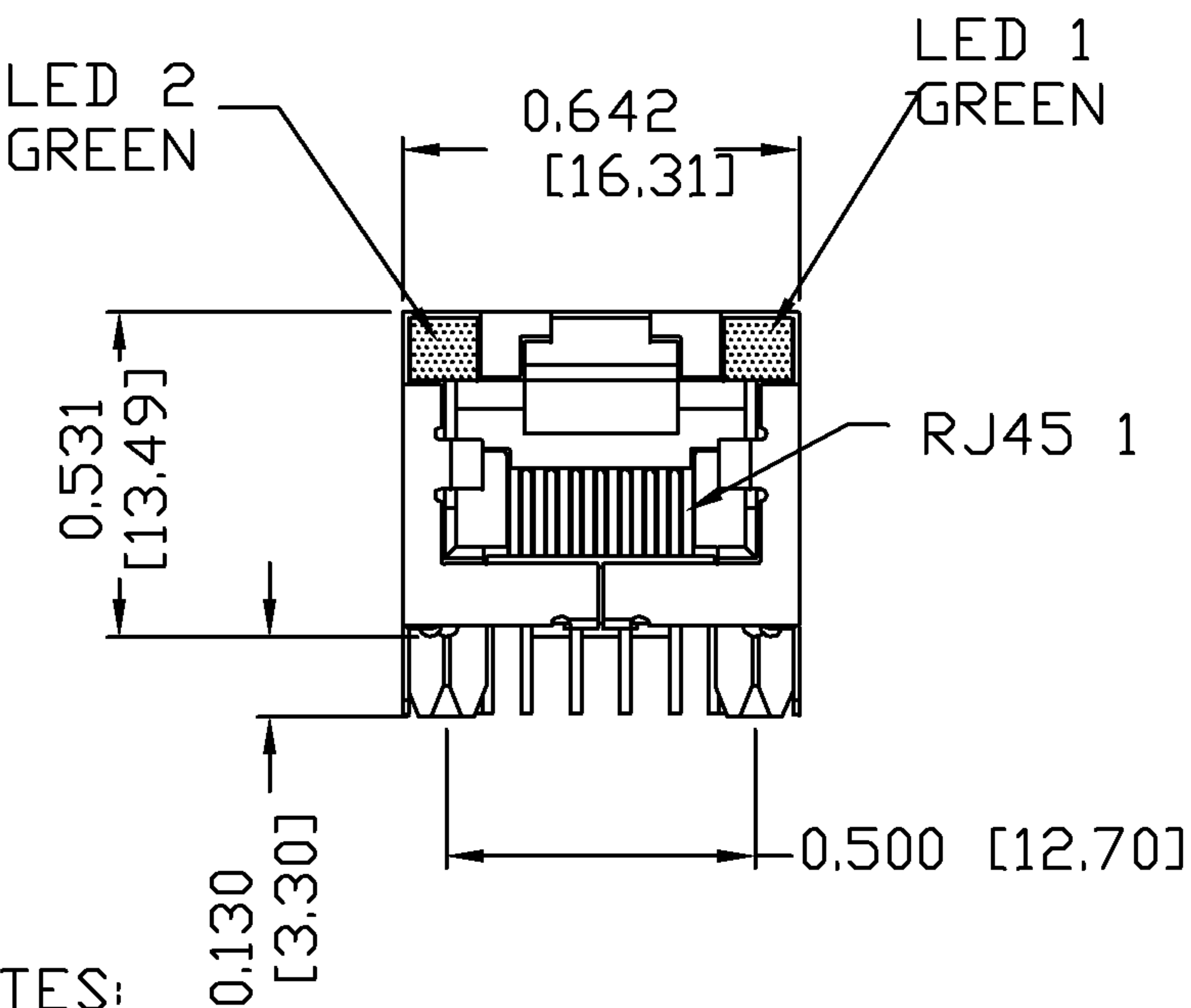
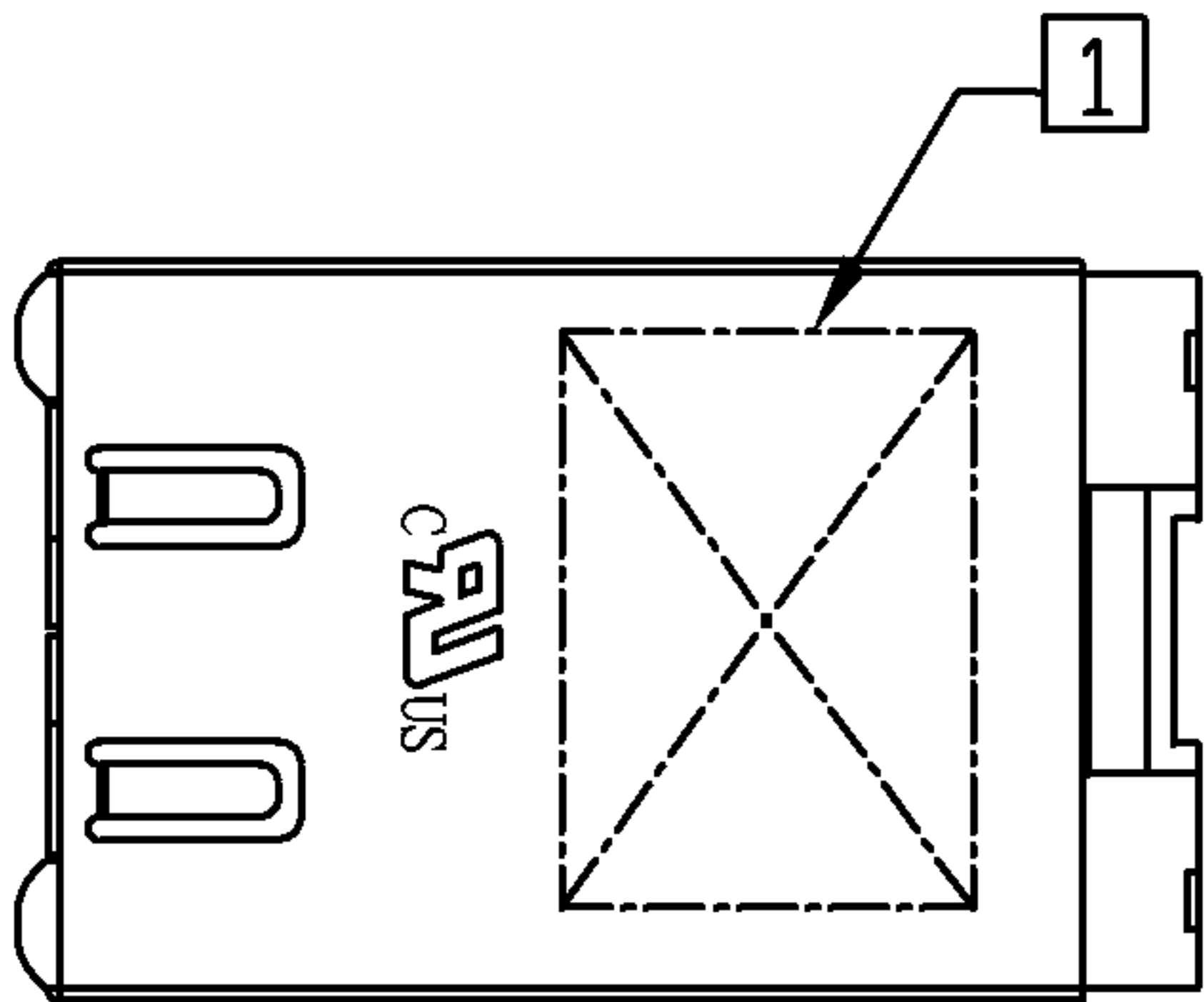
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHOW WANCHUNG	07-01-08	MagJack®	08B01GX106-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : B
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.X	SCALE : N/A	SIZE : A4
LI YONGFENG	07-01-08	08B0-1GX1-06-F	08B01GX106-F_B.DWG	.XX		PAGE : 2
				.XXX		



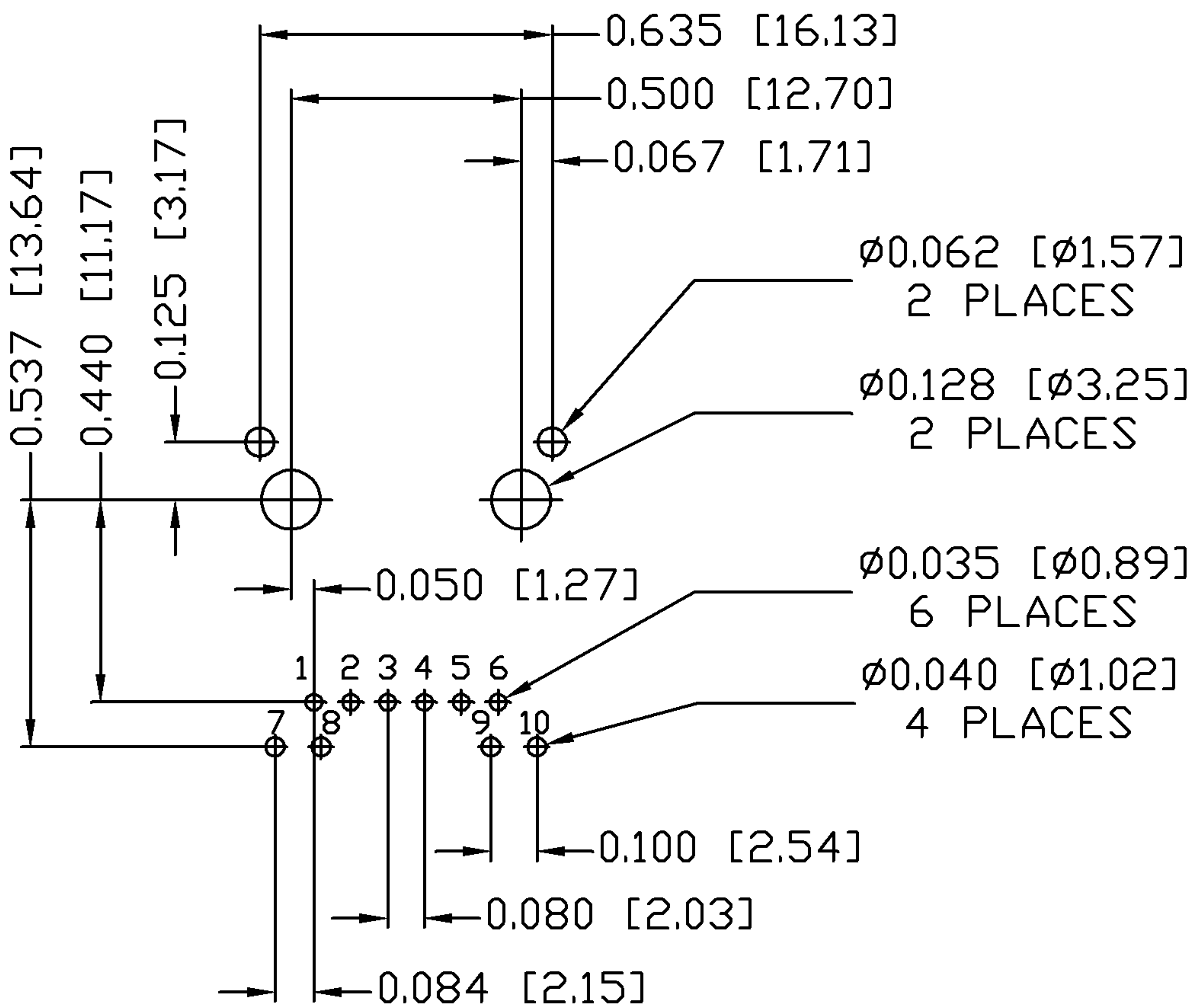
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MECHANICAL SPECIFICATION



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



NOTES:

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

CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING

PINS: TIN-COATED COPPER WIRE, 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, AND DATE CODE.
- 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

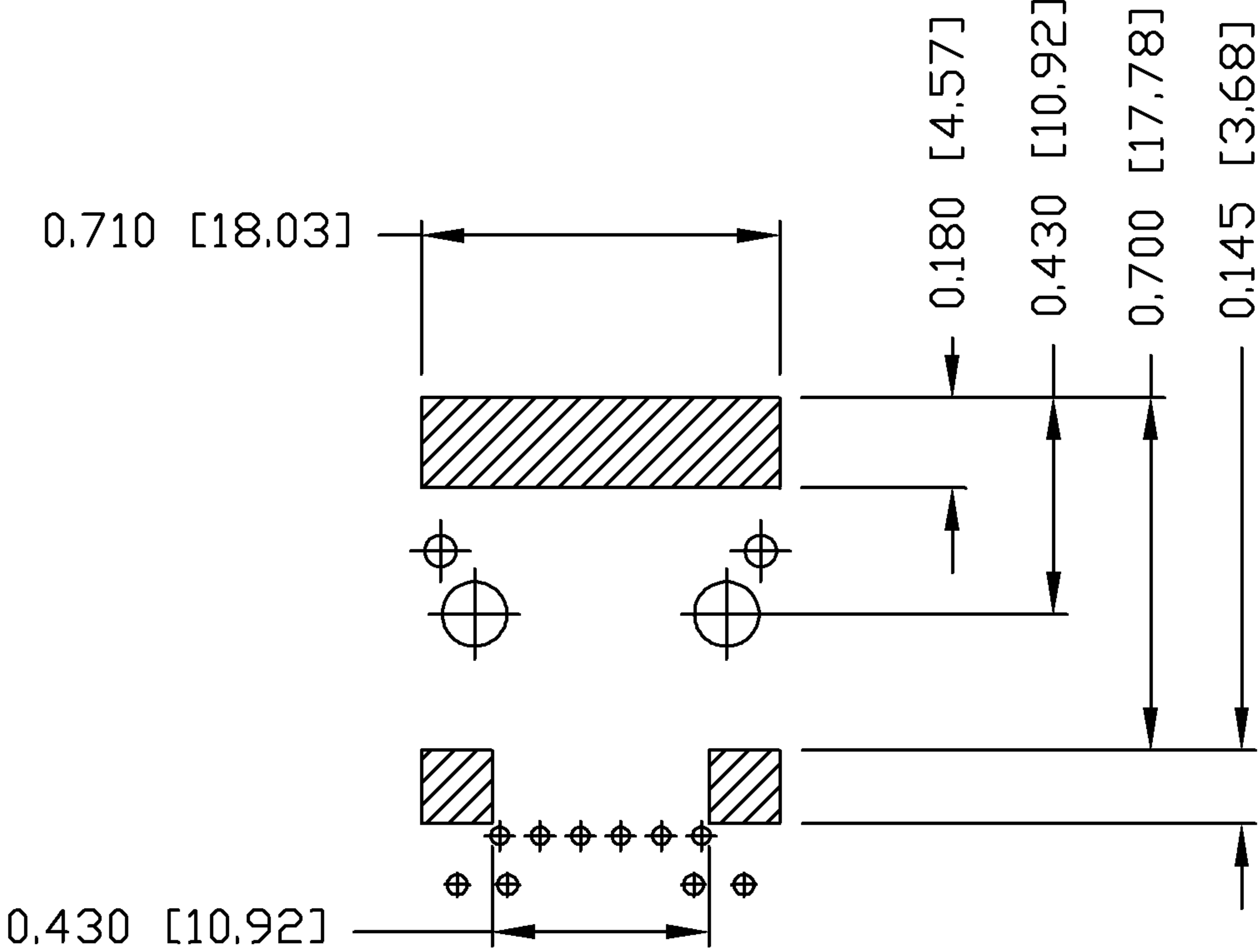
 US UL RECOGNIZED - FILE #E196366 AND E169987.

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
CHEN BILL	07-01-08	MagJack® (4 Cores, MDIX, CM Termination) 08B0-1GX1-06-F	08B01GX106-F FILE NAME 08B01GX106-F_B.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 3
LIU QIN	07-01-08			.XXX	±0.010		

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NOTES:

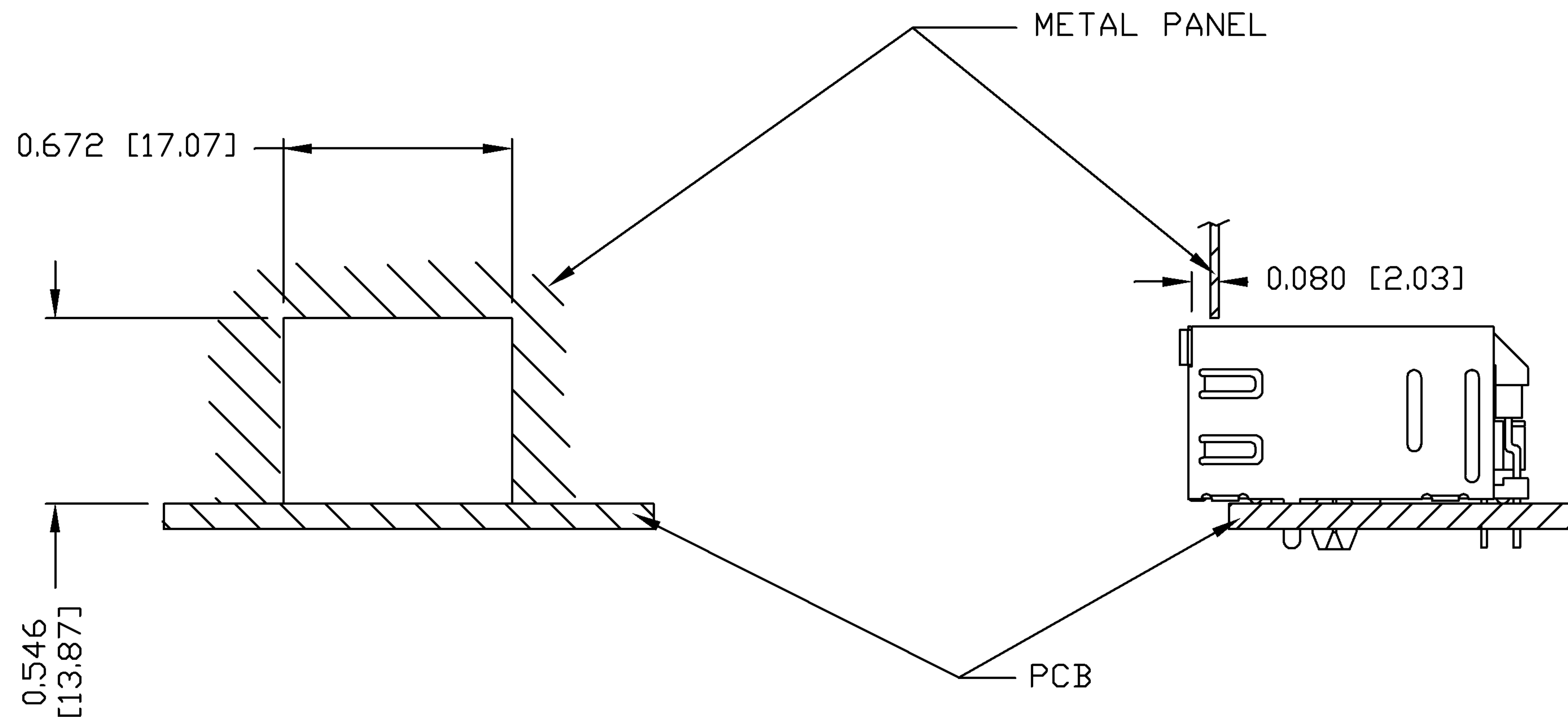
THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL.	INCH	UNIT : INCH [mm]	REV. : B
CHEN BILL	07-01-08	MagJack® (4 Cores, MDIX, CM Termination) 08B0-1GX1-06-F	08B01GX106-F FILE NAME 08B01GX106-F_B.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 4
LIU QIN	07-01-08			.XXX	±0.004		





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 TUBE : 0200-0149-01

PACKING QUANTITY : 30 PCS FINISHED GOODS PER TUBE

20 TUBES (600 PCS FINISHED GOODS) PER CARTON BOX

ORIGINATED BY	DATE	TITLE MagJack® (4 Cores, MDIX, CM Termination) 08B0-1GX1-06-F	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		
CHEN BILL	07-01-08		08B01GX106-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
LIU QIN	07-01-08		08B01GX106-F_B.DWG	.XX			PAGE : 5	
				.XXX	±0.004			