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RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

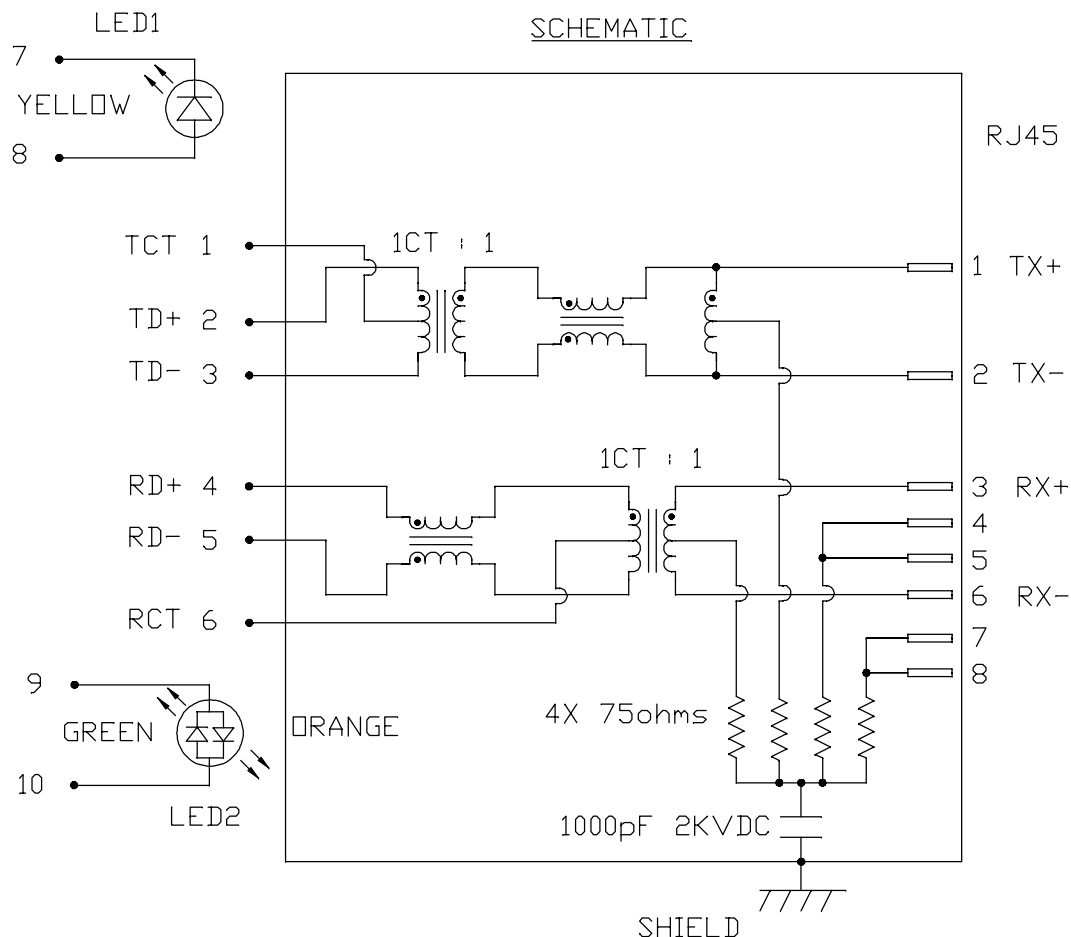
URNS RATIO

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 - 100 MHz	-35 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 ORANGE 2.0V TYP.
	GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA ORANGE 605nm TYP.
	GREEN 570nm TYP.

OPERATING TEMPERATURE: 0°C TO 70°C.

LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
-	+	YELLOW	+	-	ORANGE
			-	+	GREEN



ORIGINATED BY
CHOW WANGCHUNG
DATE 2018-12-17

DRAWN BY
XIE YIMING
DATE 2018-12-17

TITLE

MagJack®
(CM Termination)
08B0-1X1T-03-F

PART NO. / DRAWING NO.

08B01X1T03-F

FILE NAME

08B01X1T03-F_D.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

UNIT : INCH [mm]
SCALE : N/A
SIZE : A4

REV. : D

PAGE : 2



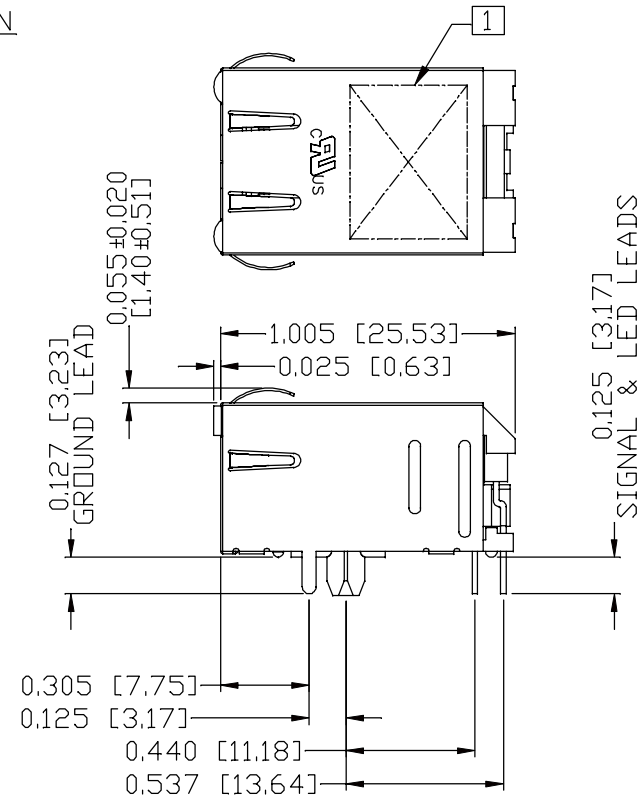
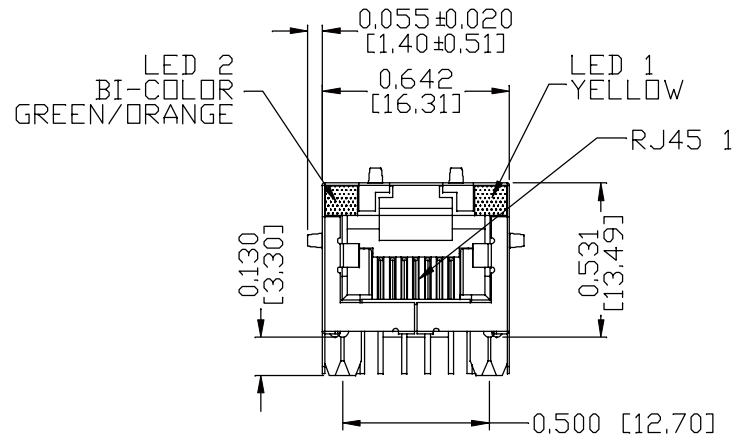
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Please read our datasheet & drawing disclaimer [here](#).

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MECHANICAL SPECIFICATION

RoHS



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 15 MICRO-INCH HARD GOLD PLATING
OR EQUIVALENT.
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH,
100 MICRO-INCH MIN MATTE TIN,
PINS ARE SOLDER DIPPED,
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. THE PRODUCT IS RoHS COMPLIANT.
3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.
4. THE AXIAL RETENTION FORCE OF RJ PORT IS 10 LBS MINIMUM.
5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE
SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C
MAX AND 10 SECONDS MAX.

 US UL RECOGNIZED - FILE #E196366 AND E169987.

REV. : D PAGE : 3

ORIGINATED BY
LI QUANKUN
DATE 2018-12-17
DRAWN BY
LV YONGDONG
DATE 2018-12-17

TITLE
MagJack®
(CM Termination)
08B0-1X1T-03-F

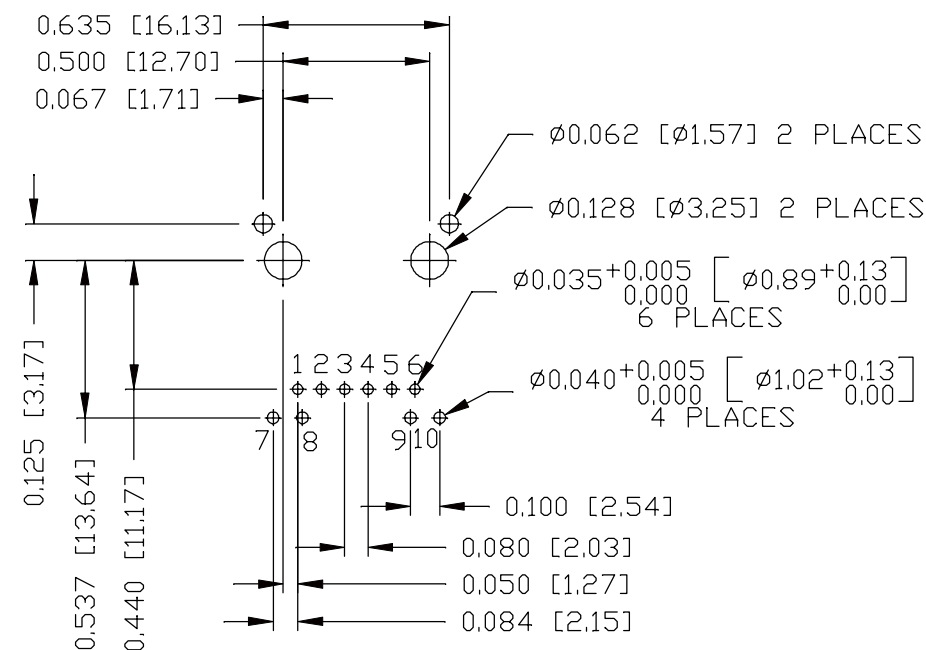
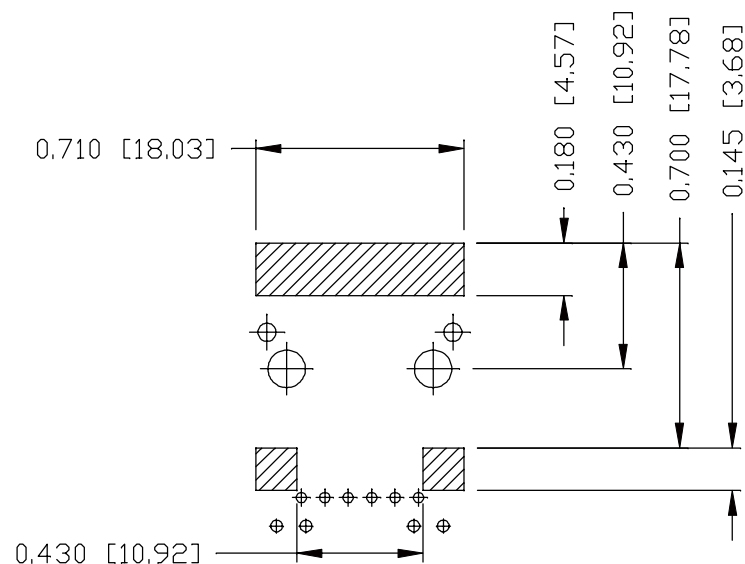
PART NO. / DRAWING NO.
08B01X1T03-F
FILE NAME
08B01X1T03-F_D.DWG

STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.	
.X		UNIT : INCH [mm]	
.XX		SCALE : N/A	
.XXX	±0.010		SIZE : A4





RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



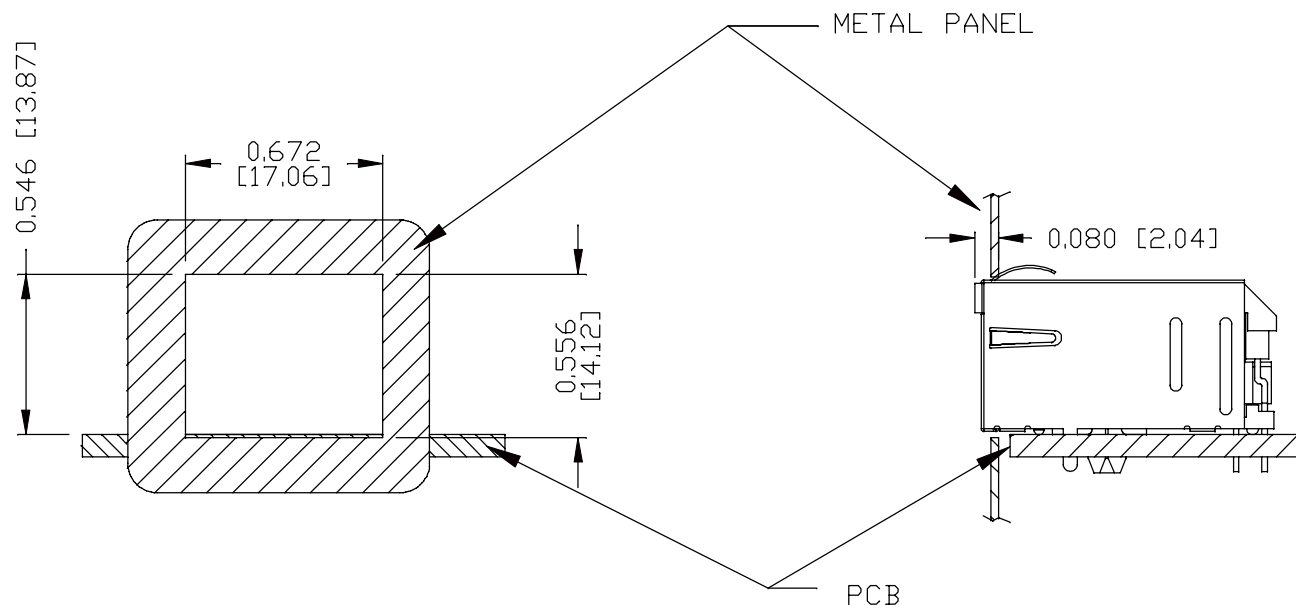
NOTES:

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

REV. : D	PAGE : 4
	

ORIGINATED BY LI QUANKUN DATE 2018-12-17	TITLE MagJack® (CM Termination) 08B0-1X1T-03-F	PART NO. / DRAWING NO. 08B01X1T03-F	STANDARD DIM.		[] METRIC DIM.		
			TOL. IN INCH		AS REF.		
		DRAWN BY LV YONGDONG DATE 2018-12-17	FILE NAME 08B01X1T03-F_D.DWG	.X		UNIT : INCH [mm]	
				.XX		SCALE : N/A	
XXX	±0.004					SIZE : A4	

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)

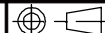
0200-9999-D5(BOTTOM)

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)

REV. : D PAGE : 5

ORIGINATED BY LI QUANKUN DATE 2018-12-17	TITLE MagJack® (CM Termination) 08B0-1X1T-03-F	PART NO. / DRAWING NO. 08B01X1T03-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.	
DRAWN BY LV YONGDONG DATE 2018-12-17		FILE NAME 08B01X1T03-F_D.DWG	.X		UNIT : INCH [mm]	
			.XX		SCALE : N/A	
			.XXX	±0.005		SIZE : A4



**MAGNETIC
SOLUTIONS**

a bel group