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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.

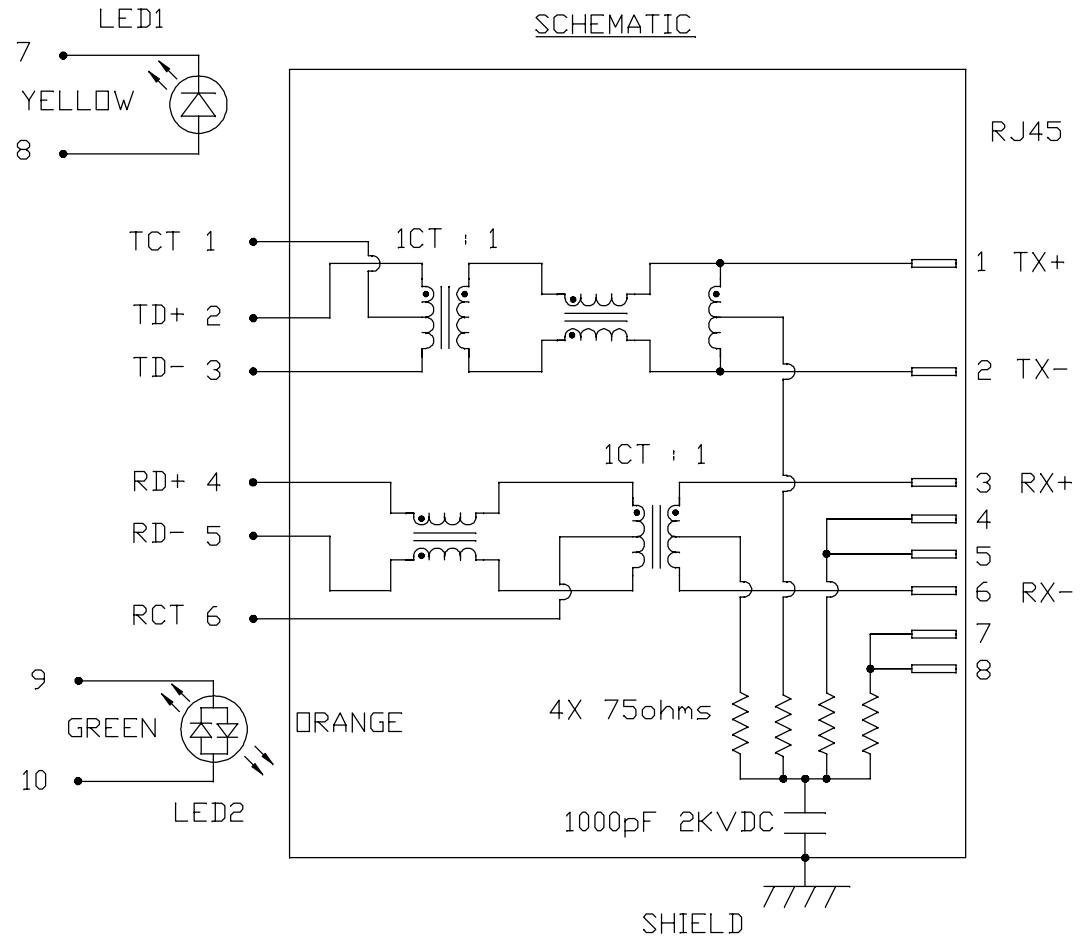
GREEN 2.2V TYP.

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



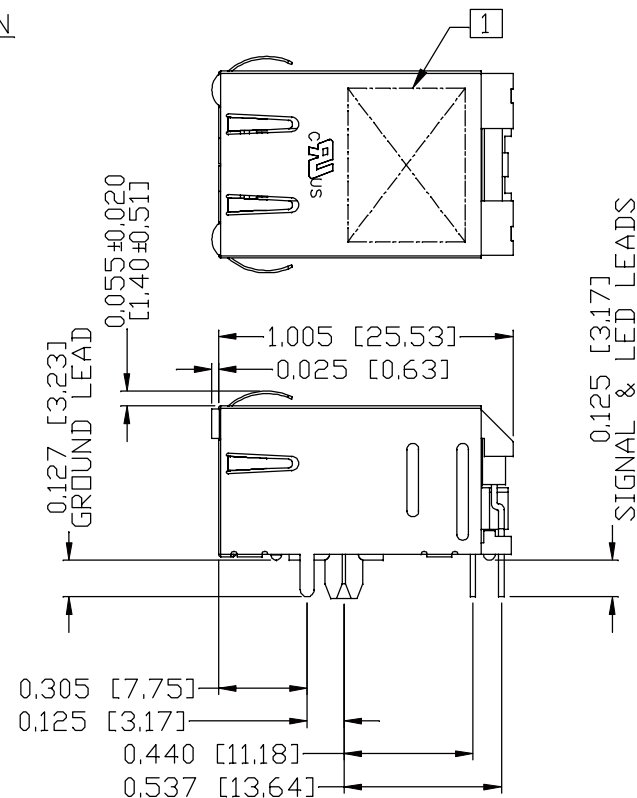
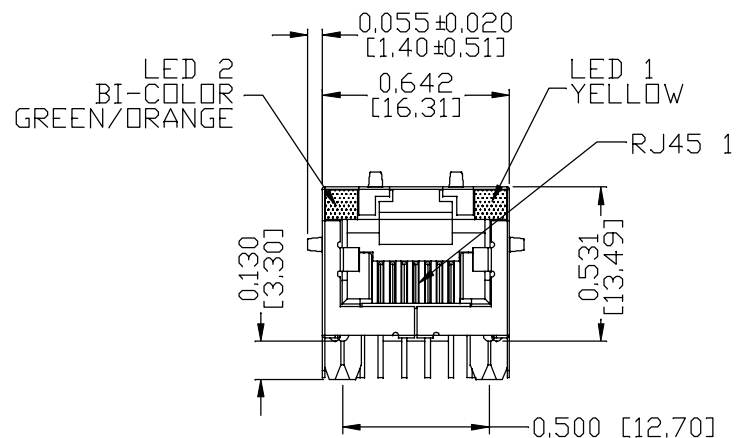
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Please read our datasheet & drawing disclaimer [here](#).

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MECHANICAL SPECIFICATION

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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.

UL US UL RECOGNIZED - FILE #E196366 AND E169987.

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.

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

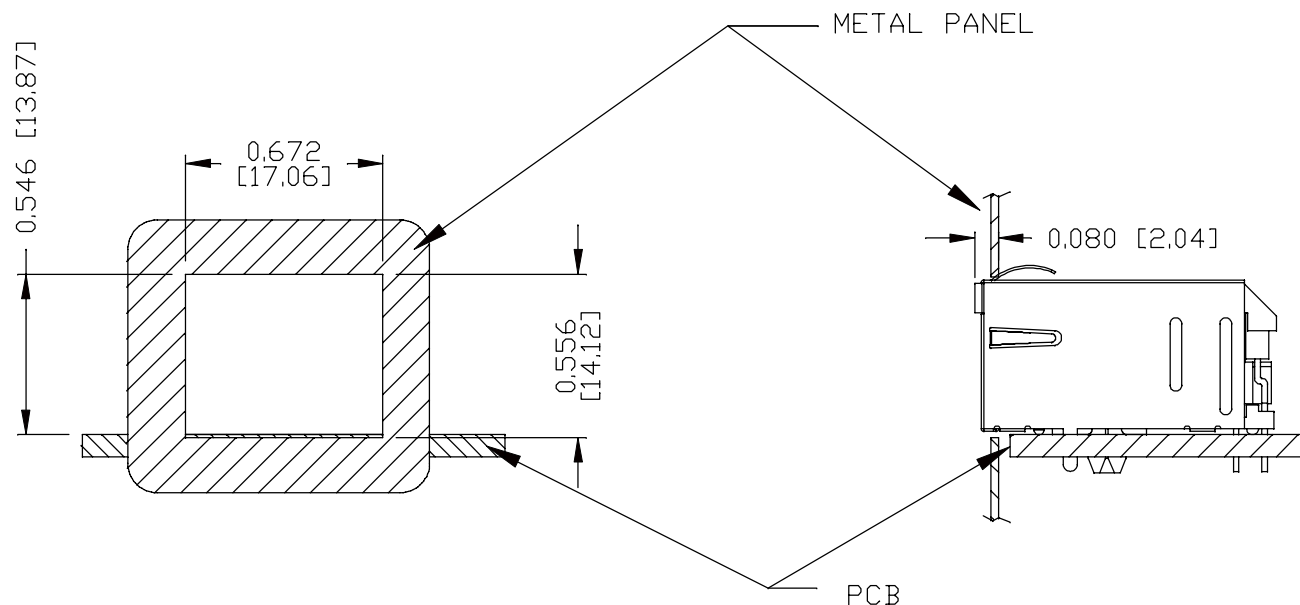
STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REF.	
.X		UNIT : INCH [mm]	
.XX		SCALE : N/A	
.XXX	±0.010		SIZE : A4



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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-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



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a bel group

**MAGNETIC
SOLUTIONS**