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

RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX 1CT : 1
RX 1CT : 1

CL @ 100kHz/100mVRMS

8mA DC BIAS (0°C - 70°C) 350μH MIN.

INS. LOSS

1MHz TO 100MHz -1.1 dB MAX

RET. LOSS (MIN) @ 100ΩHMS ±15%

1MHz-30MHz -18 dB
30MHz-60MHz -18+20LOG(F/30MHz) dB
60MHz-80MHz -12 dB

CROSS TALK (TX - RX)

100kHz-100MHz -35 dB MIN

CM TO CM REJ

100kHz-100MHz -30 dB MIN

CM TO DM REJ

100kHz-100MHz -35 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY
WITH IEEE 802.3 ISOLATION REQUIREMENT

LED 1

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

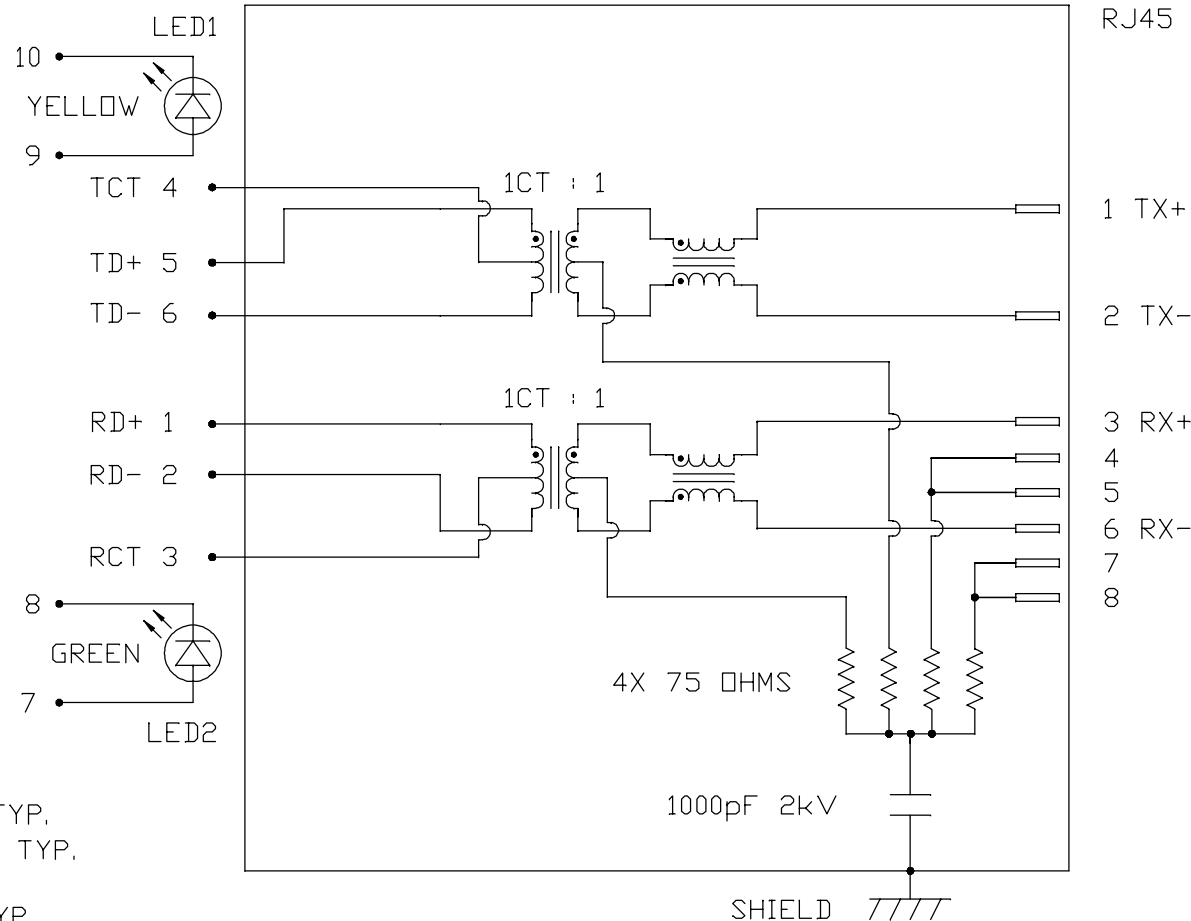
LED 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.

OPERATING TEMPERATURE

0°C TO +70°C

SCHEMATIC



ORIGINATED BY
CHOW WANCHUNG
DATE 2017-03-18

DRAWN BY
XIE YIMING
DATE 2017-03-18

TITLE
1X1 MagJack®
With LEDs
PATENTED

PART NO. / DRAWING NO.
0875-1A1T-P2

FILE NAME
0875-1A1T-P2_B.DWG

STANDARD DIM.
TOL. IN INCH

.X
.XX
.XXX

[] METRIC DIM.
AS REF.

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

REV. : B

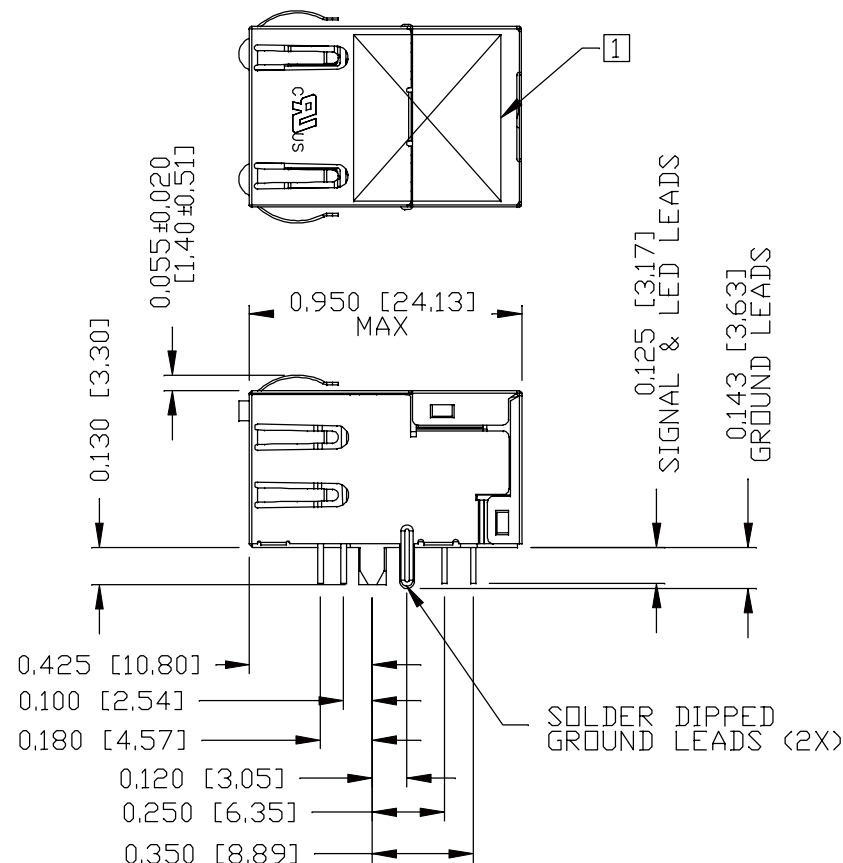
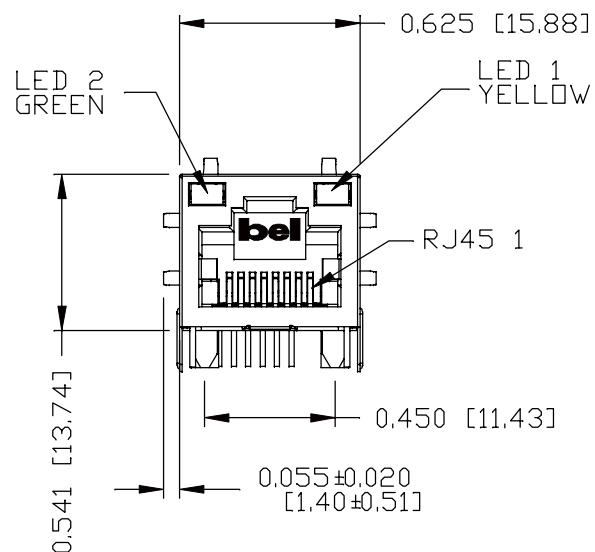
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MECHANICAL SPECIFICATION

RoHS



NOTES:

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

CONTACTS: 30 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

OUTPUT PINS: LEAD FREE COPPER WIRES, DIA 0.018 INCH.
100 MICRO-INCH MIN MATTE TIN. PINS ARE SOLDER DIPPED.

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.

2. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
PART 68 SUBPART F.

3. THE PRODUCT IS RoHS COMPLIANT.

4. THE PRODUCT IS PATENTED, THE PATENT NUMBER
IS U.S. PAT. 6,840,817.

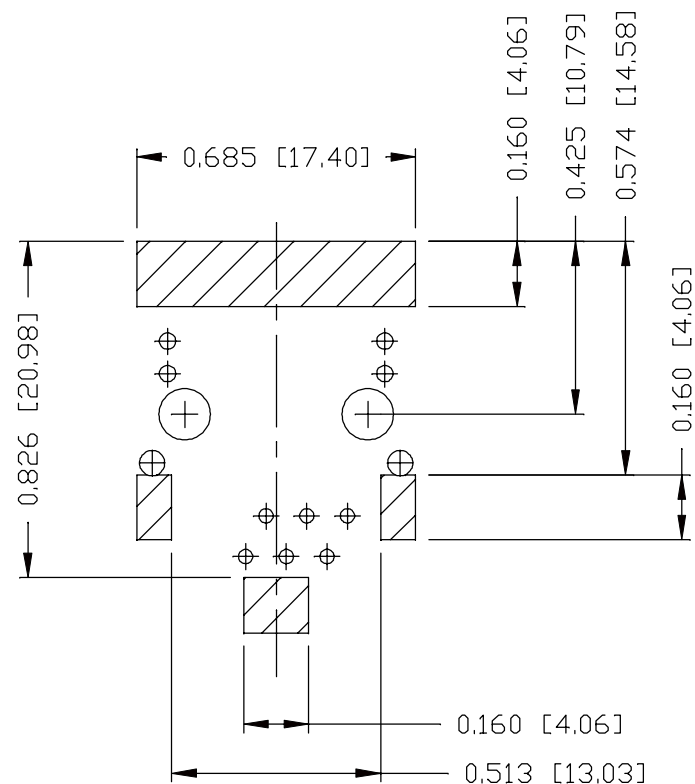
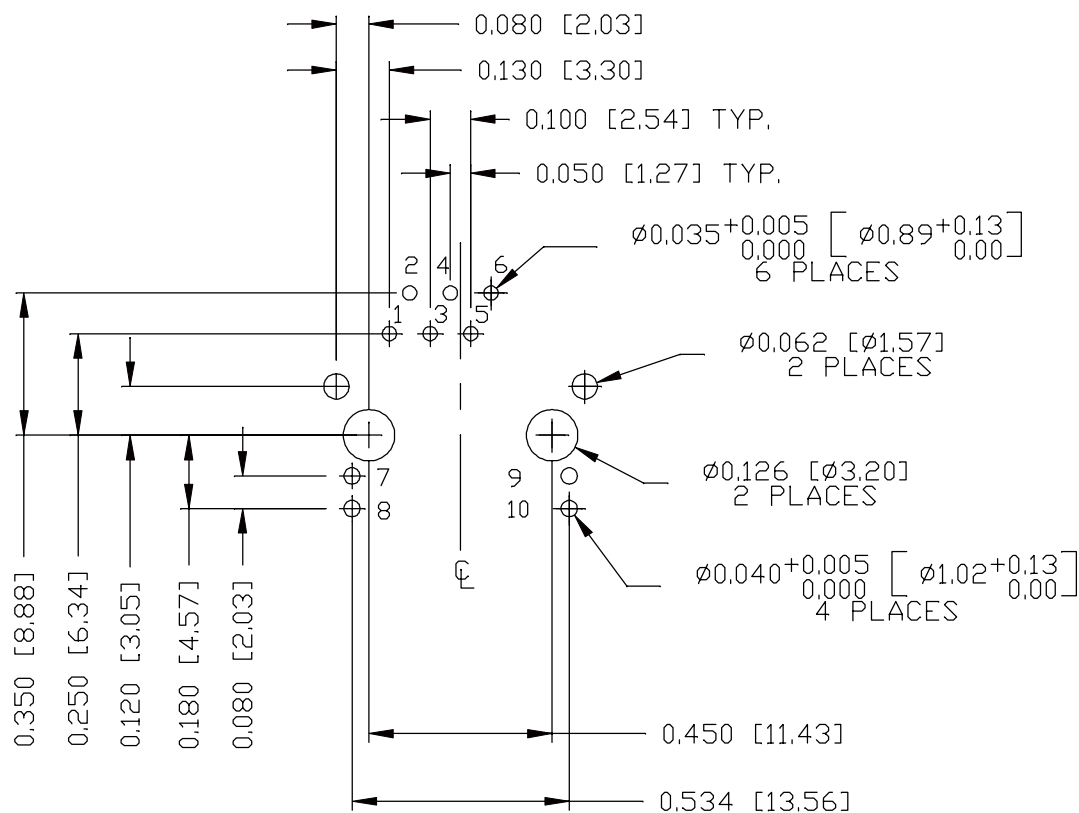
5. THE PRODUCT IS RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX. AND 10 SECONDS MAX..

ORIGINATED BY ANTON LIAO DATE 2017-03-18	TITLE 1X1 MagJack® With LEDs PATENTED	PART NO. / DRAWING NO. 0875-1A1T-P2	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REF.	REV. : B PAGE : 3 
DRAWN BY LIU DONGJUN DATE 2017-03-18		FILE NAME 0875-1A1T-P2_B.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A SIZE : A4	
			±0.010		

RoHS



COMPONENT SIDE VIEW



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

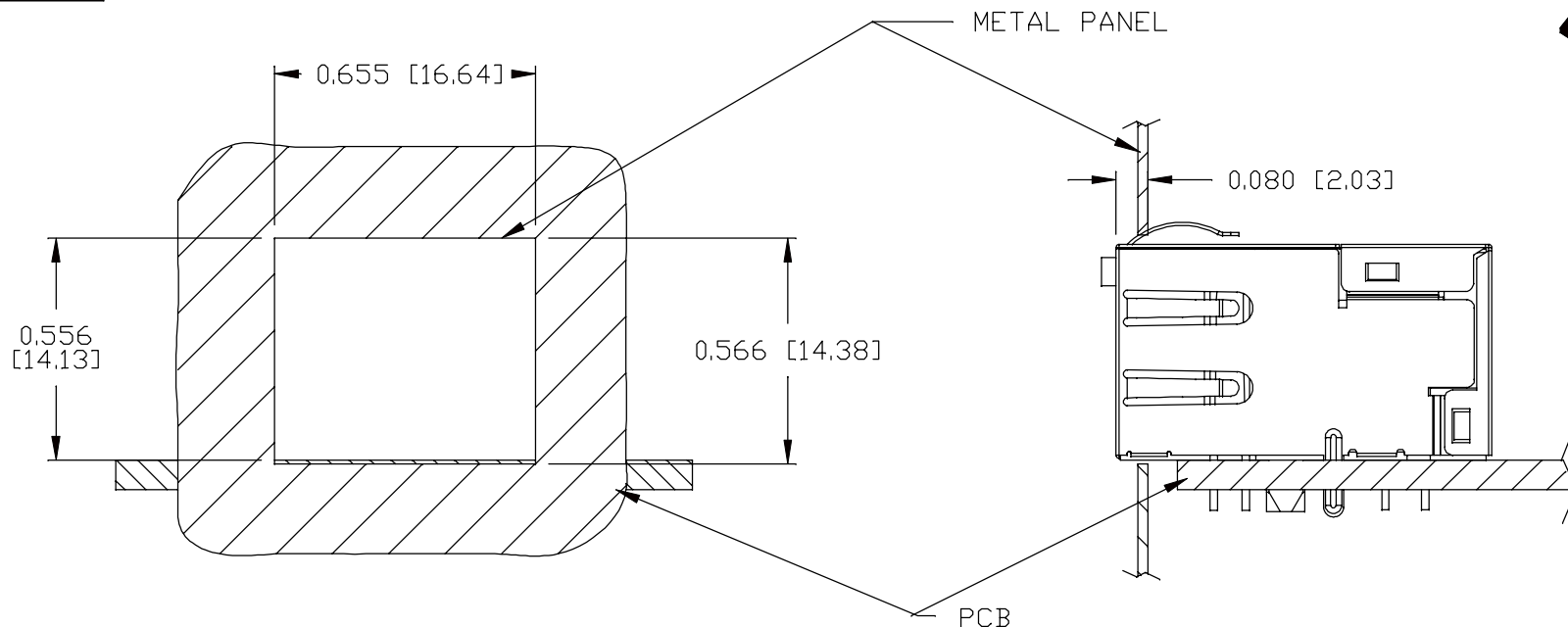


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SUGGESTED PANEL OPENING



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-H7 (TOP)

0200-9999-H8 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY

10 TRAYS (600 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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ANTON LIAO
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REV. : B

PAGE : 5



bel MAGNETIC
SOLUTIONS
a bel group