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LED POLARITY			
PIN 12	PIN 11	PIN 10	COLOR
-	+	/	GREEN
/	+	-	ORANGE

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

CL @ 100kHz/100mVRMS

8mA DC BIAS	350μ H MIN.
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INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage):

1500 Vrms
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENT

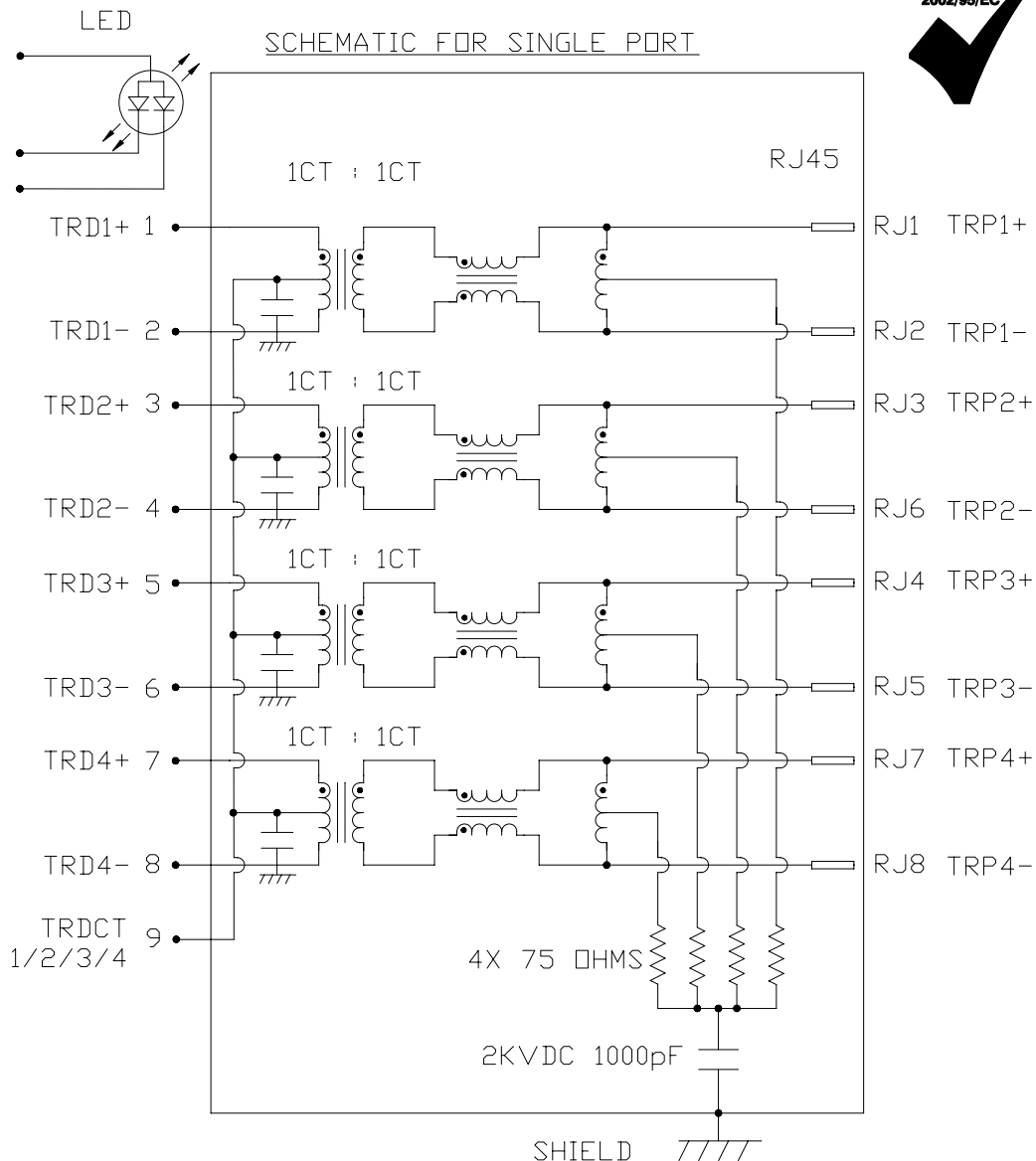
LED

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.1V TYP.
λ D (DOMINANT WAVELENGTH)	IF=20mA	GREEN	570nm TYP.
		ORANGE	607nm TYP.

NOTES:

SCHEMATIC & ELECTRICAL CHARACTERISTICS ARE IDENTICAL FOR PORT 1 & PORT 2.

LED
GREEN 12
ORANGE 10



ORIGINATED BY	DATE
CHOW WANGCHUNG	08-07-10
DRAWN BY	DATE
LEE WEIDE	08-07-10

TITLE
2X1 gigabit MagJack® (with LED)
0843-2B1T-33-F PATENTED

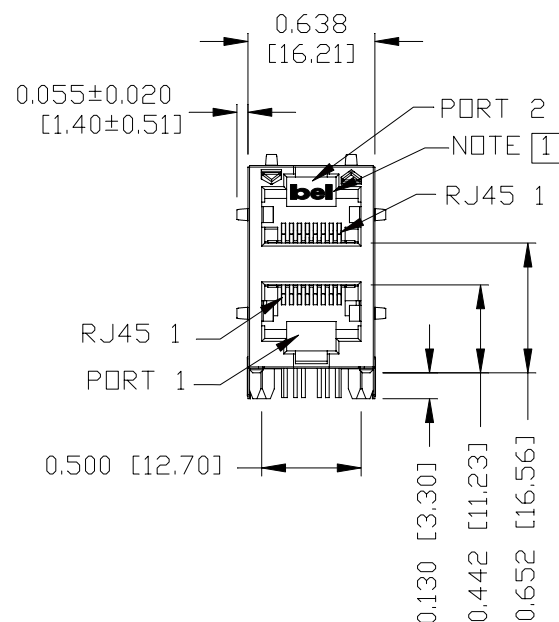
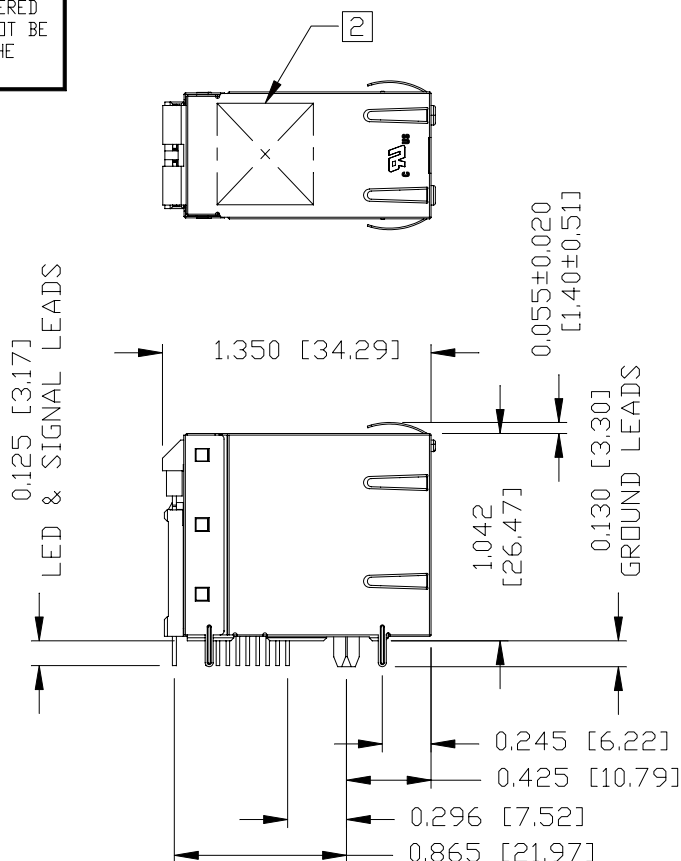
PART NO. / DRAWING NO.
08432B1T33-F
FILE NAME
08432B1T33-F_B.DWG

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

[] METRIC DIM. AS REFERENCE
UNIT : INCH [mm]
SCALE : N/A
REV. : B
SIZE : A4
PAGE : 2



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NOTES:

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

[1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
 PART 68 SUBPART F.

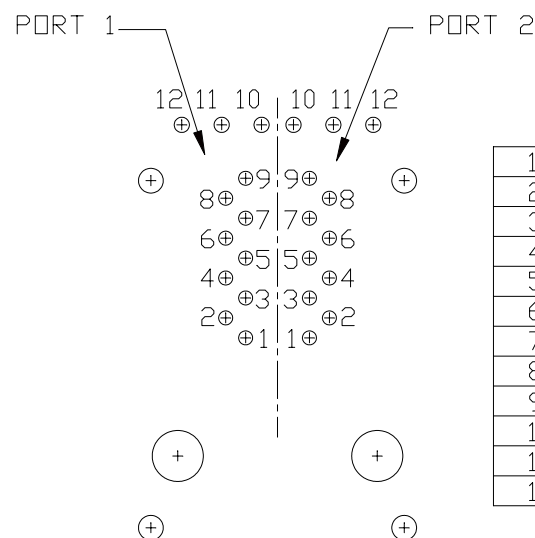
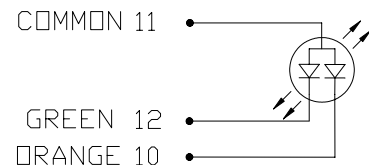
UL US UL RECOGNIZED - FILE #E196366 AND E169987.

- [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.
 3. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
 4. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
CHEN BILL	08-07-10	2X1 gigabit MagJack® (with LED) 0843-2B1T-33-F PATENTED	08432B1T33-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX		PAGE : 3	
XIAN JIAXIN	08-07-10			.XXX	±0.010		

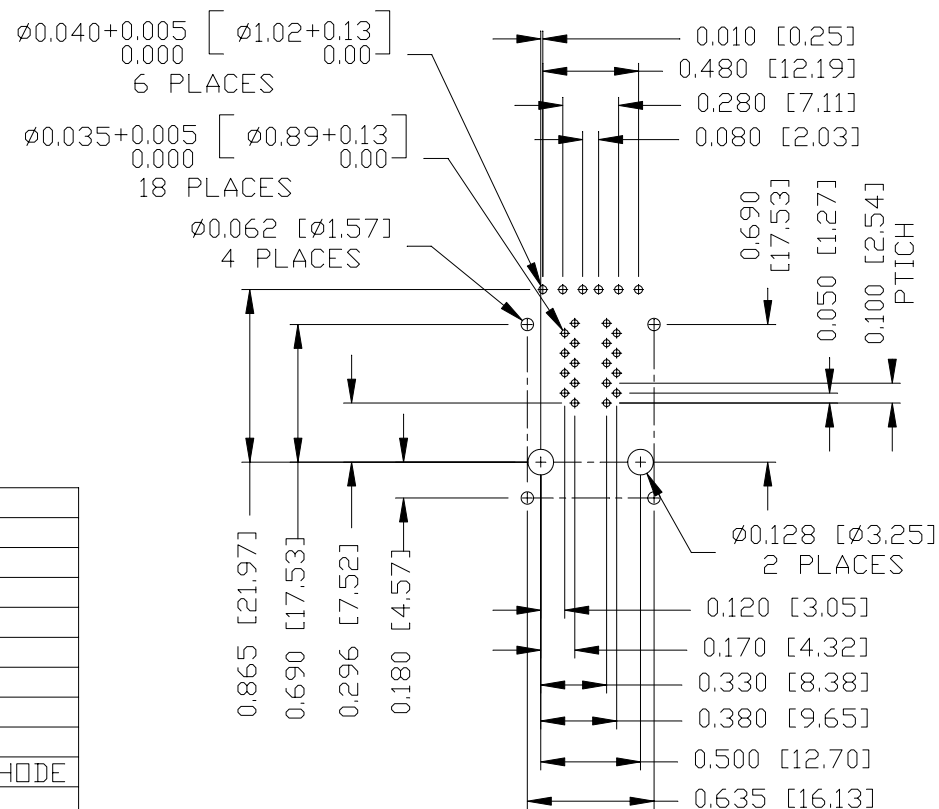


LED CONFIGURATION



PIN-OUT INFORMATION (COMPONENT SIDE VIEW)

1	TRD 1+
2	TRD 1-
3	TRD 2+
4	TRD 2-
5	TRD 3+
6	TRD 3-
7	TRD 4+
8	TRD 4-
9	TRCT 1/2/3/4
10	ORANGE LED CATHODE
11	COMMON ANODE
12	GREEN LED CATHODE



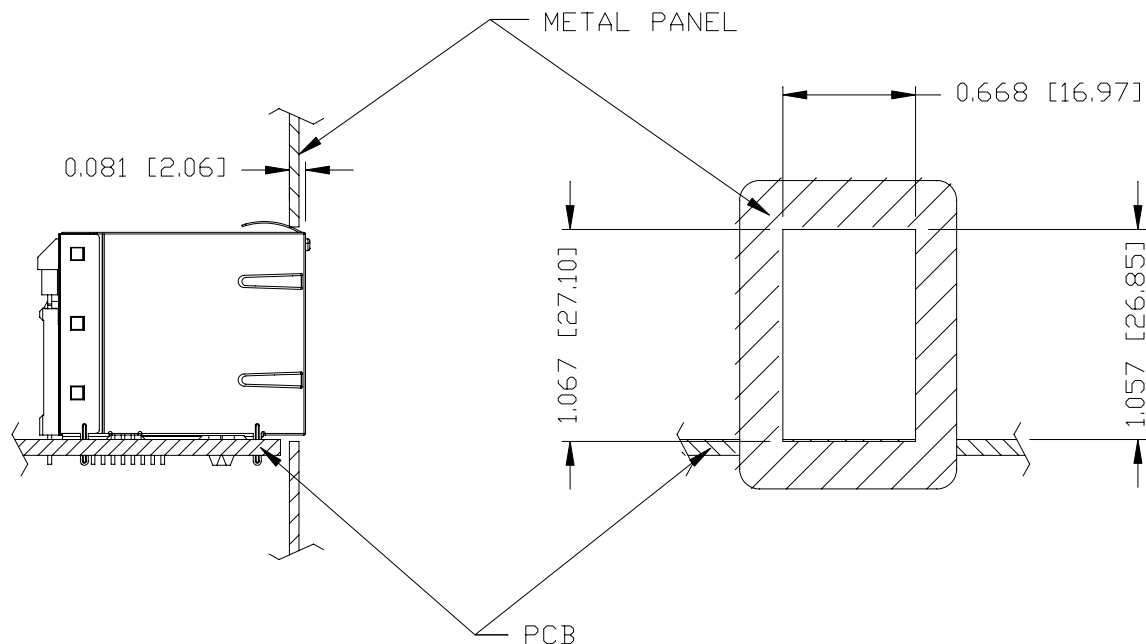
SUGGESTED FOOTPRINT (COMPONENT SIDE VIEW)

ORIGINATED BY CHEN BILL	DATE 08-07-10	TITLE 2X1 gigabit MagJack® (with LED) 0843-2B1T-33-F PATENTED	PART NO. / DRAWING NO. 08432B1T33-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX	[] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A PAGE : 4	REV. : B SIZE : A4 PAGE : 4	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 08-07-10		FILE NAME 08432B1T33-F_B.DWG	±0.004			

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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: 0200-0148-36 (TOP)
0200-0148-34 (BOTTOM)

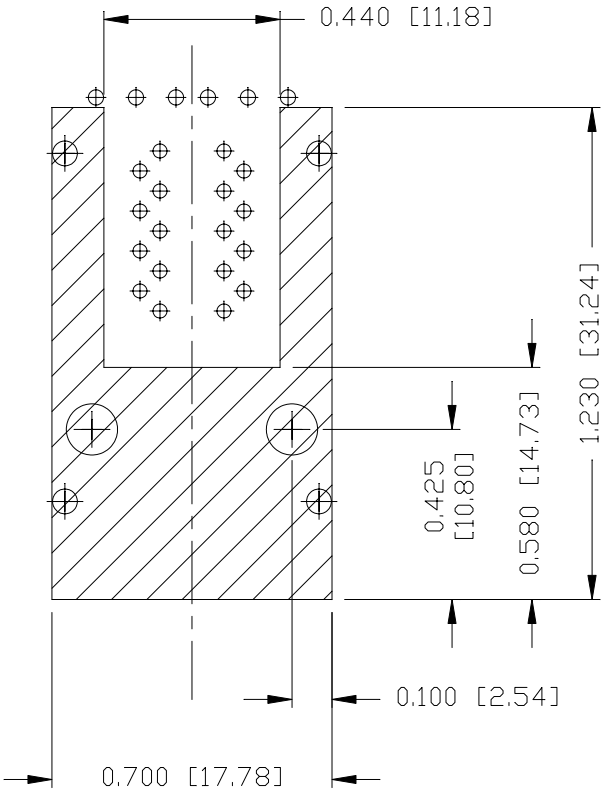
PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY
6 TRAYS (240 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : B
CHEN BILL	08-07-10	2X1 gigabit MagJack® (with LED) 0843-2B1T-33-F PATENTED	08432B1T33-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 5
XIAN JIAXIN	08-07-10			.XXX	±0.004		



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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 CHEN BILL	DATE 08-07-10	TITLE 2X1 gigabit MagJack® (with LED) 0843-2B1T-33-F PATENTED	PART NO. / DRAWING NO. 08432B1T33-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 08-07-10		FILE NAME 08432B1T33-F_B.DWG	.X		UNIT : INCH [mm]	REV. : B	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 6	