THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY

RoHS 2002/95/EC

LED1 POLARITY			LED2 POLARITY		
PIN 12	PIN 13	COLOR	PIN 14	PIN 15	COLOR
+	−	ORANGE	+	−	ORANGE
−	+	GREEN	−	+	GREEN

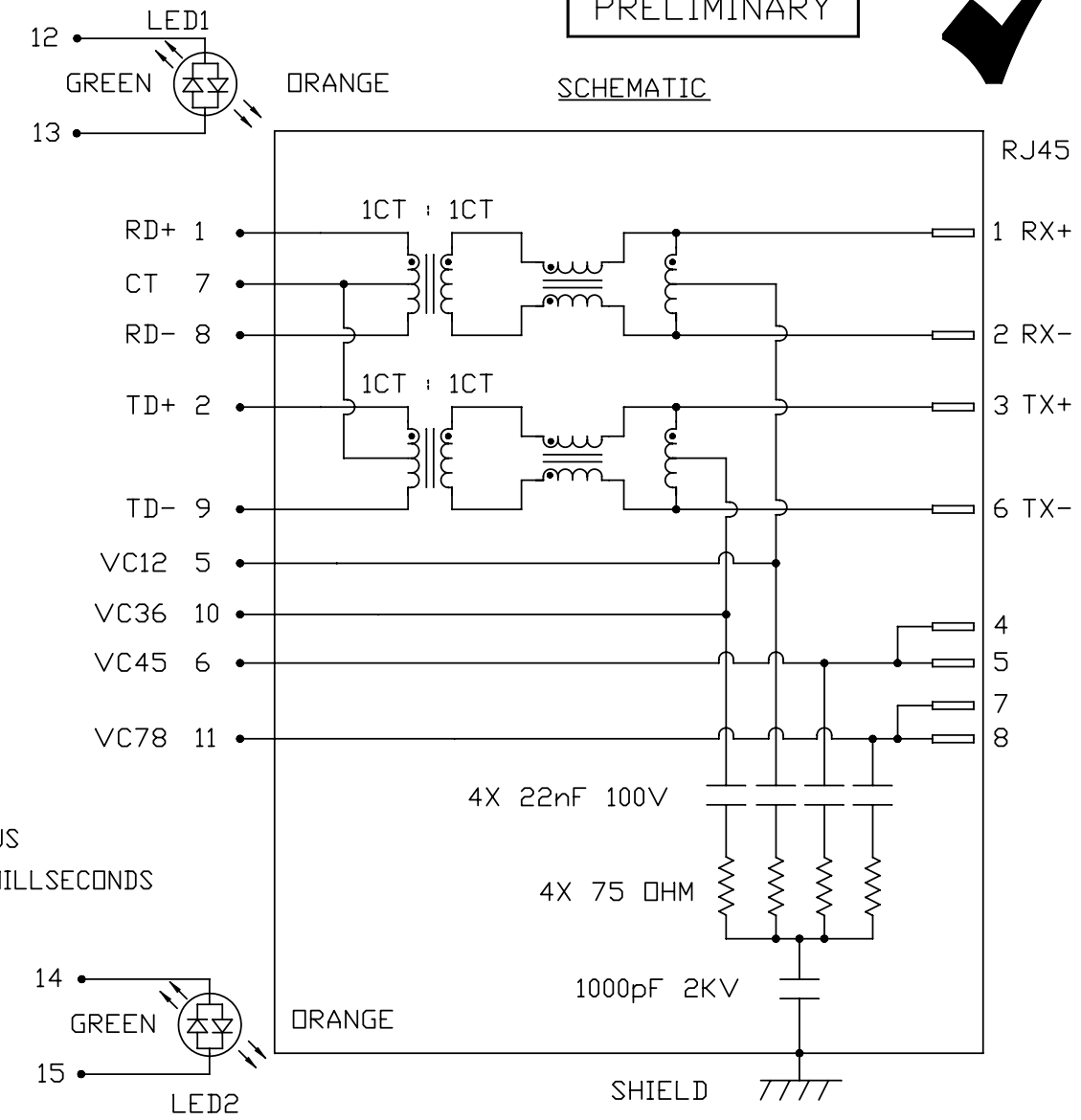
ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO	1CT : 1CT ±2%
OCL @ 100kHz/100mVRMS	
8mA DC BIAS	350µH MIN.
INSERTION LOSS	
100KHz TO 100MHz	-1.5 dB MAX.
RETURN LOSS (MIN.)	
2MHz-30MHz	-16 dB MIN.
60MHz-80MHz	-10 dB MIN.
CROSS TALK	
100KHz - 100MHz	-30 dB MIN.
HIPOT (ISOLATION VOLTAGE)	2250 VDC
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.	
BALANCED DC LINE CURRENT	350mA MAX. @ 57 VDC CONTINUOUS
	500mA MAX. @ 57 VDC FOR 200 MILLSECONDS

LED 1 AND LED 2

VF (FORWARD VOLTAGE)	IF=20mA	GREEN	2.2V TYP.
		ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		ORANGE	610nm TYP.

SCHEMATIC



ORIGINATED BY: CHOW WANGCHUNG — DATE: 05-19-11	TITLE: 10/100 MagJack® (PoE, Tab Up) 0826-1B1T-57-F PATENTED	PART NO. / DRAWING NO.: 08261B1T57-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX	[ ] METRIC DIM. AS REFERENCE	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY: LEE WEIDE — DATE: 05-19-11		FILE NAME: 08261B1T57-F_PD.DWG		UNIT : INCH [mm] — REV. : PD	
				SCALE : N/A — SIZE : A4	
				PAGE : 2	

This document is electronically generated. This is a controlled copy if used internally

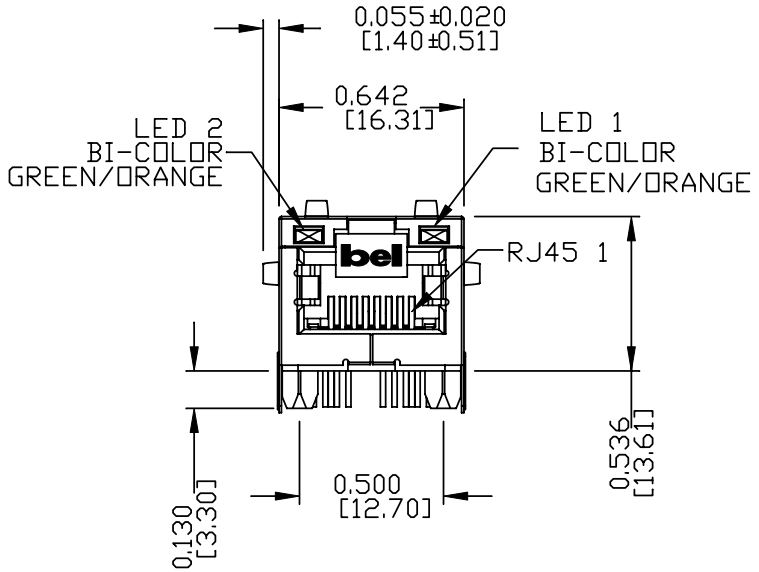
Please read our datasheet & drawing disclaimer here.

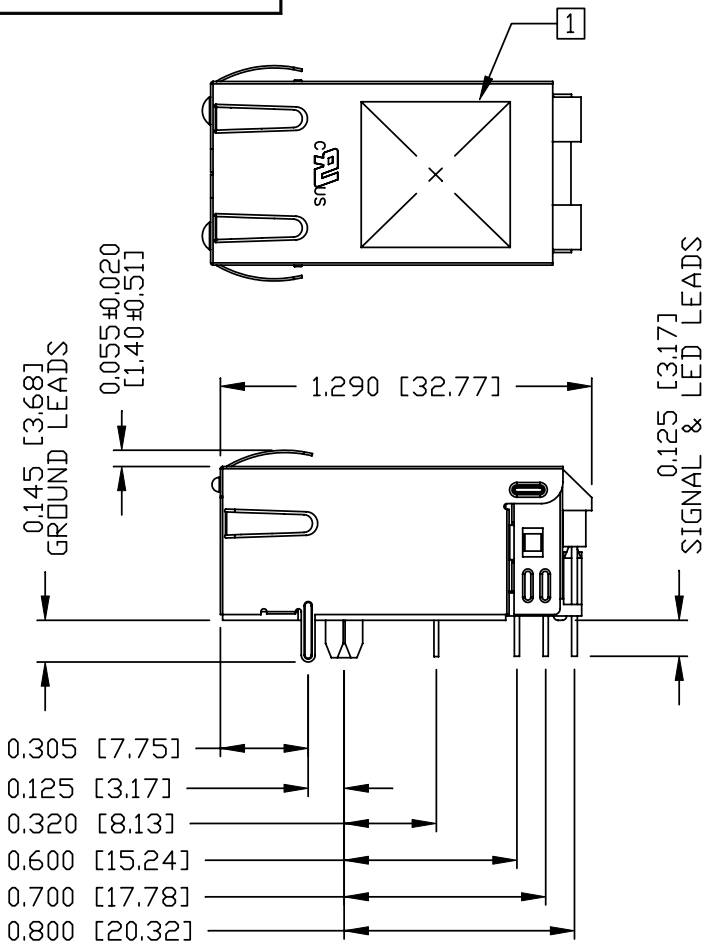
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

MECHANICAL SPECIFICATION

PRELIMINARY

RoHS 2002/95/EC





NOTES:

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

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING

OUTPUT 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, DATE CODE AND PATENTED.

c UL us UL RECOGNIZED - FILE #E196366 AND E169987.

2. RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

4. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
CHEN BILL	05-19-11	10/100 MagJack® (PoE, Tab Up) 0826-1B1T-57-F PATENTED	08261B1T57-F	.X		UNIT : INCH [mm]	REV. : PD
DRAWN BY	DATE		FILE NAME	.XX		SCALE : N/A	SIZE : A4
HE ZHEN	05-19-11		08261B1T57-F_PD.DWG	.XXX	±0.010		PAGE : 3

bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally

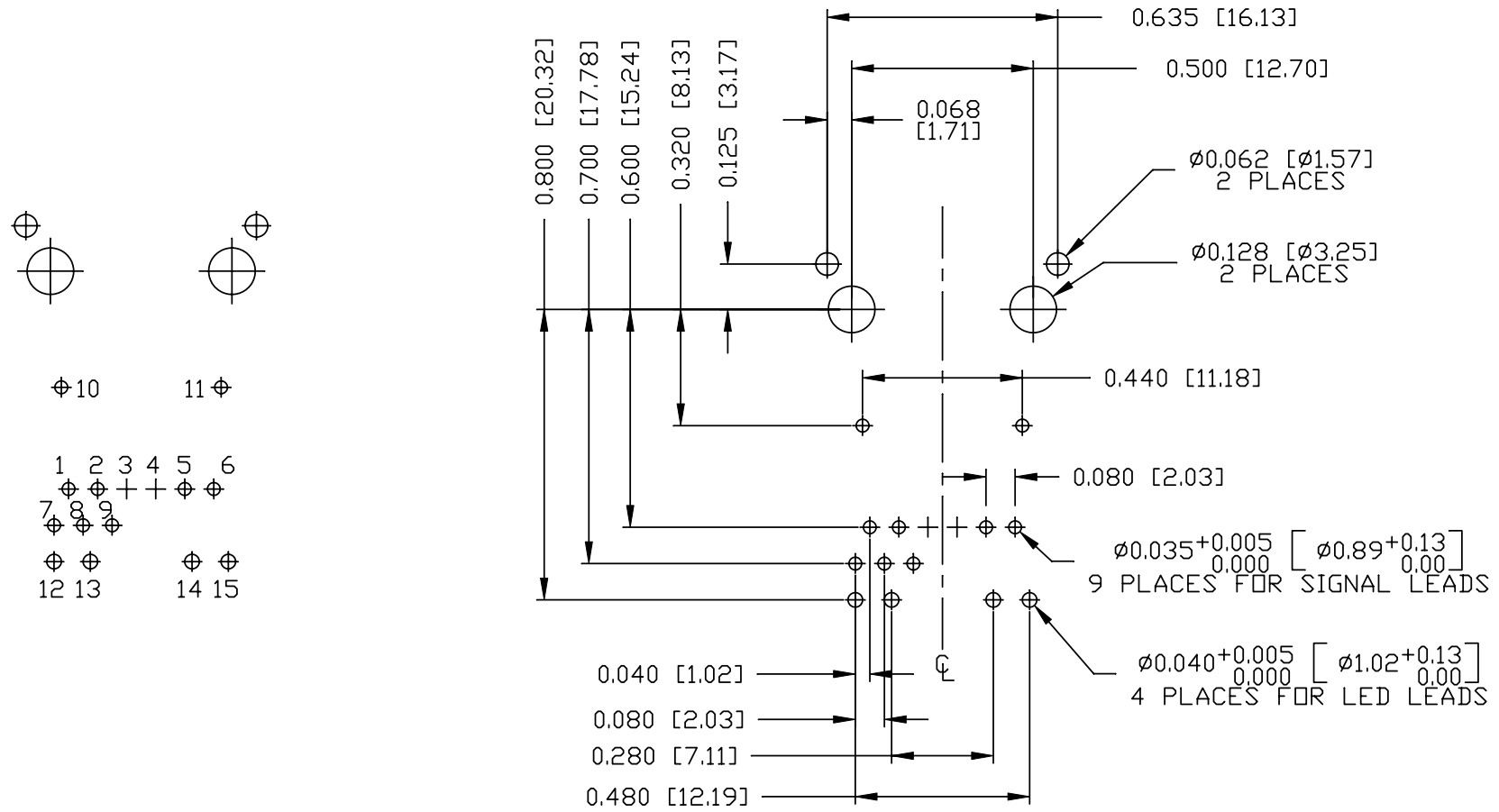
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

RoHS 2002/95/EC

PRELIMINARY

RECOMMENDED PCB FOOTPRINT

COMPONENT SIDE VIEW



ORIGINATED BY: CHEN BILL	DATE: 05-19-11	TITLE: 10/100 MagJack® (PoE, Tab Up) 0826-1B1T-57-F PATENTED	PART NO. / DRAWING NO.: 08261B1T57-F	STANDARD DIM. TOL. IN INCH: .X		[ ] METRIC DIM. AS REFERENCE	
DRAWN BY: HE ZHEN	DATE: 05-19-11		FILE NAME: 08261B1T57-F_PD.DWG	.XX		UNIT : INCH [mm]	REV. : PD
				.XXX	±0.004	SCALE : N/A	SIZE : A4
							PAGE : 4

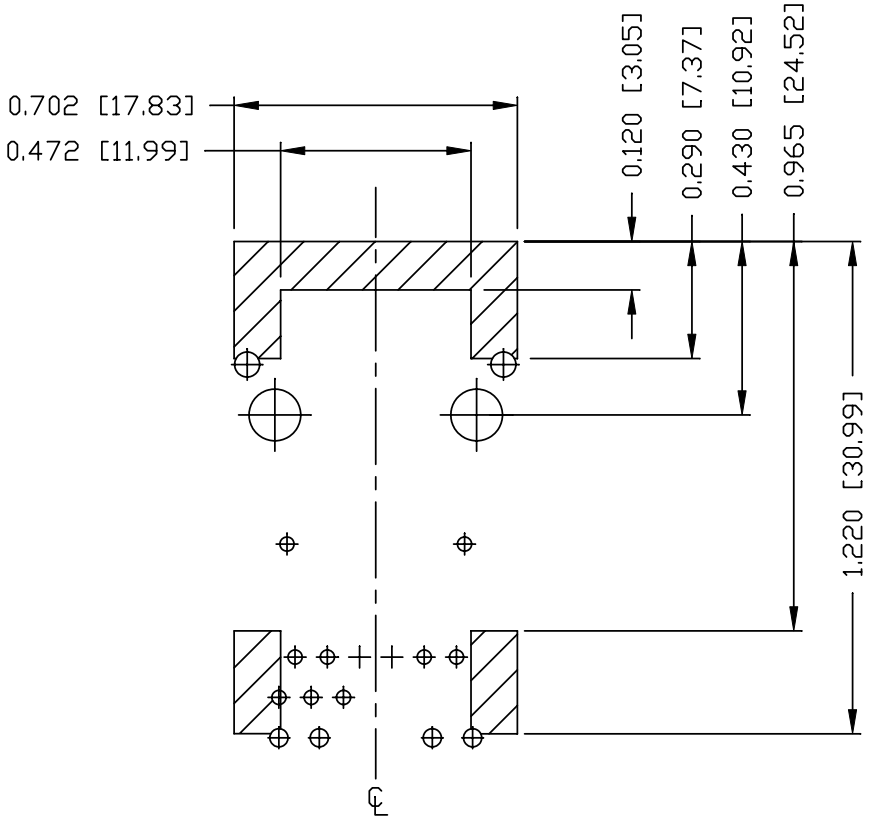
bel COMPONENTS FOR A CONNECTED PLANET

This document is electronically generated. This is a controlled copy if used internally

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY

RoHS 2002/95/EC



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: 05-19-11	TITLE: 10/100 MagJack® (PoE, Tab Up) 0826-1B1T-57-F PATENTED	PART NO. / DRAWING NO.: 08261B1T57-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: HE ZHEN	DATE: 05-19-11		FILE NAME: 08261B1T57-F_PD.DWG		UNIT : INCH [mm] / REV. : PD
					SCALE : N/A / SIZE : A4
					PAGE : 5

bel COMPONENTS FOR A CONNECTED PLANET

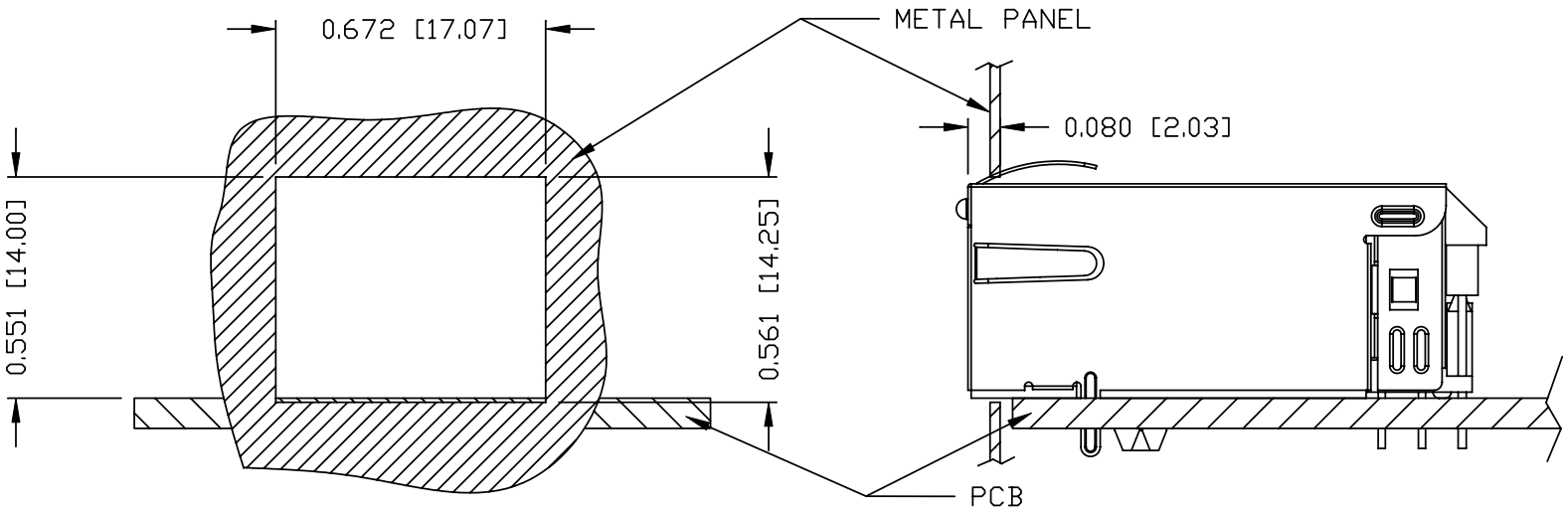
This document is electronically generated. This is a controlled copy if used internally

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

SUGGESTED PANEL OPENING

PRELIMINARY

RoHS 2002/95/EC



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-F6 (TOP)
0200-9999-F7 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

ORIGINATED BY: CHEN BILL	DATE: 05-19-11	TITLE: 10/100 MagJack® (PoE, Tab Up) 0826-1B1T-57-F PATENTED	PART NO. / DRAWING NO.: 08261B1T57-F	STANDARD DIM. TOL. IN INCH: .X, .XX, .XXX ±0.004	[ ] METRIC DIM. AS REFERENCE
DRAWN BY: HE ZHEN	DATE: 05-19-11		FILE NAME: 08261B1T57-F_PD.DWG		UNIT : INCH [mm] / REV. : PD
					SCALE : N/A / SIZE : A4
					PAGE : 6

bel COMPONENTS FOR A CONNECTED PLANET®

This document is electronically generated. This is a controlled copy if used internally