

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.



LED 2 & 4 POLARITY			LED 1 & 3 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
-	+	YELLOW	-	+	YELLOW
+	-	GREEN	+	-	GREEN

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 350μH MIN.

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

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

CROSS TALK

100kHz - 100MHz -30 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

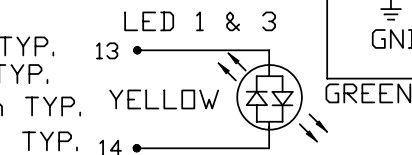
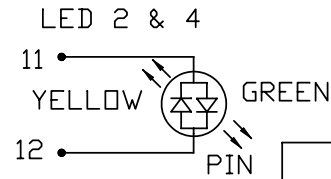
OPERATING TEMPERATURE:

-40 TO +85°C

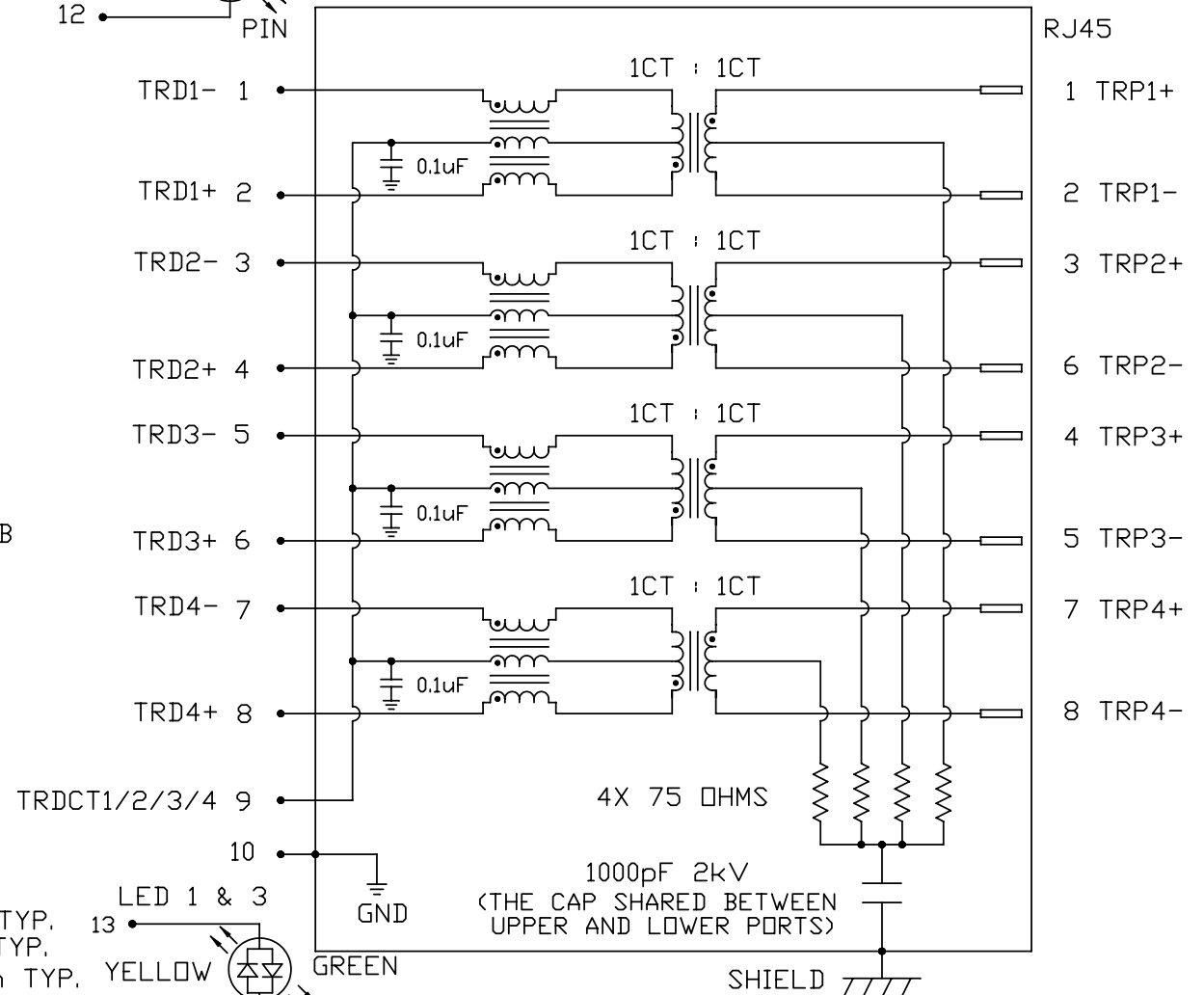
LEDS 1, 2, 3 AND 4

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.
IF=20mA YELLOW 2.1V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
IF=20mA YELLOW 590nm TYP.



SCHEMATIC



ORIGINATED BY	DATE
CHOW WANGCHUNG	06-10-11
DRAWN BY	DATE
TAN QIGUANG	06-10-11

TITLE
2X1 gigabit MagJack® WITH UPPER AND LOWER LED (Extended Temperature) PATENTED

PART NO. / DRAWING NO.
0879-2C1R-Y4
FILE NAME
0879-2C1R-Y4_A.DWG

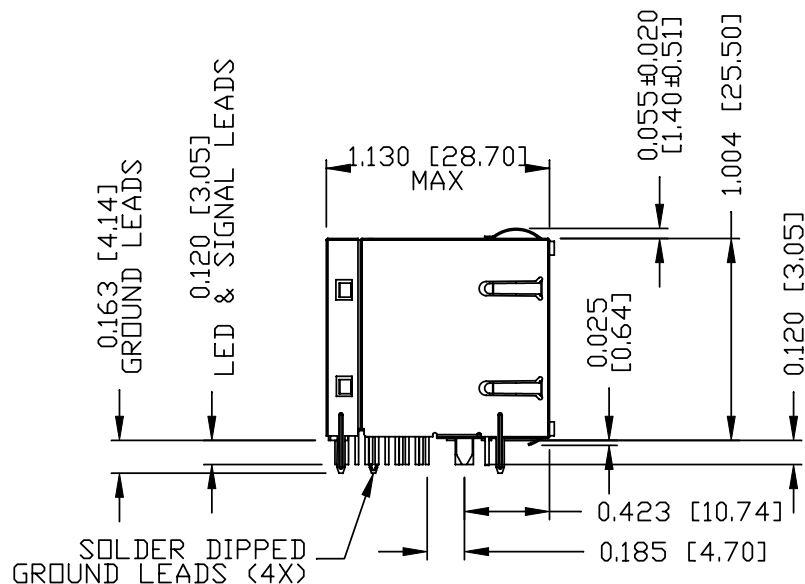
STANDARD DIM.
TOL. IN INCH
.X
.XX
.XXX

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



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.

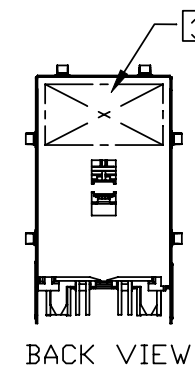
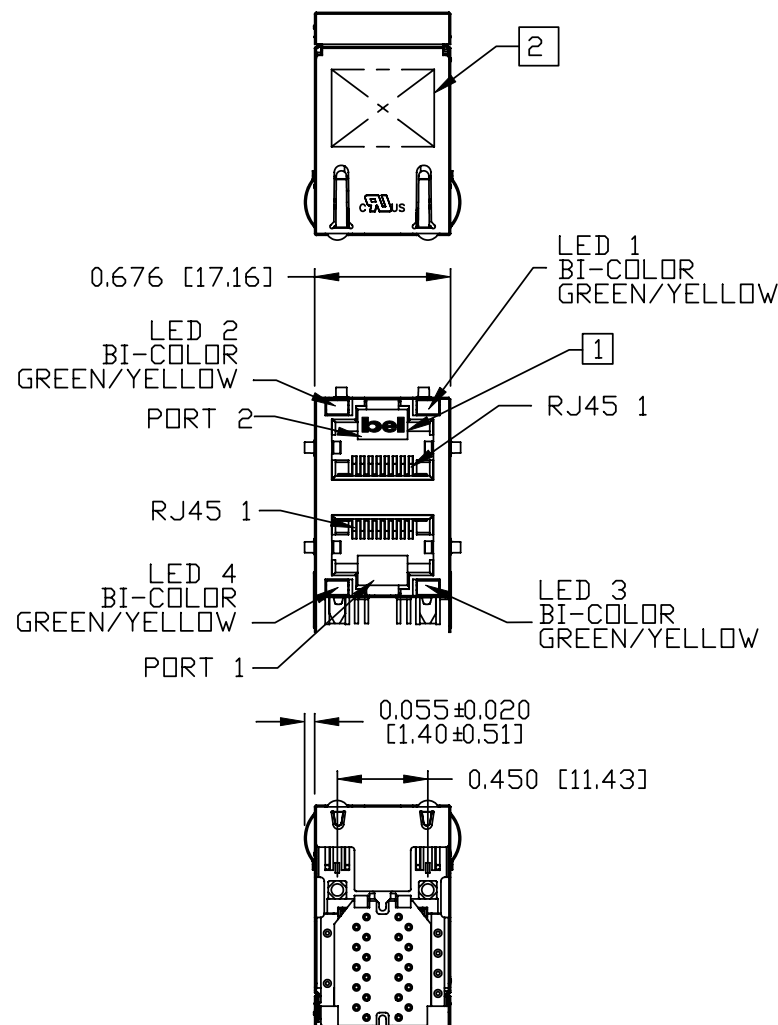
RoHS
2002/95/EC



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 PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

- [1] JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- [2] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER AND DATE CODE.
- [3] MARKING "PATENTED".
4. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

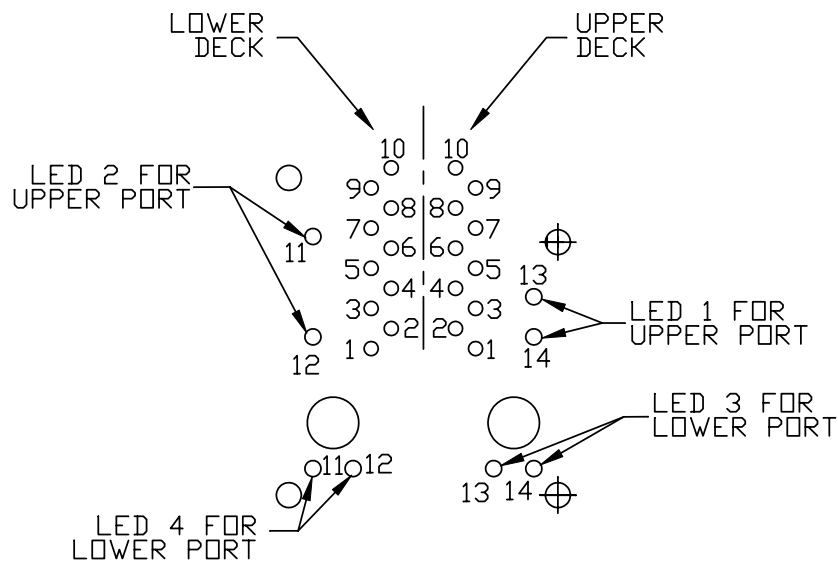


UL RECOGNIZED - FILE #E196366 AND E169987.
5. THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHEN BILL	06-10-11	2X1 glgabit MagJack® WITH UPPER AND LOWER LED (Extended temperature) PATENTED	0879-2C1R-Y4	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A REV. : A SIZE : A4 PAGE : 3
DRAWN BY	DATE		FILE NAME	±0.010	
HE ZHEN	06-10-11		0879-2C1R-Y4_A.DWG		

bel
COMPONENTS FOR A
CONNECTED
PLANET

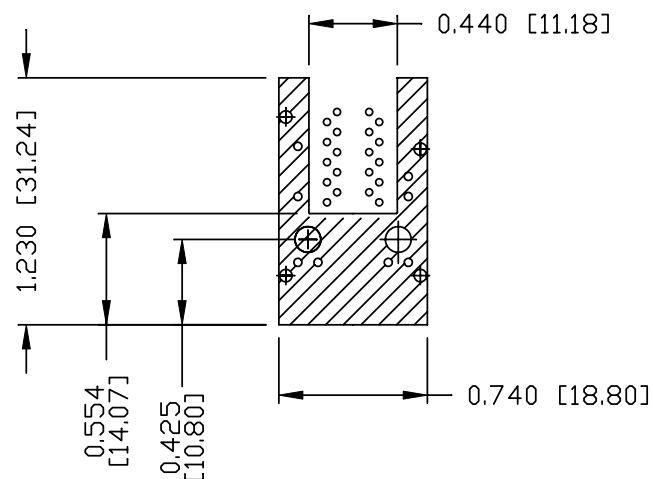
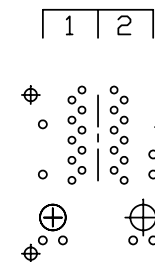
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



PIN-OUT INFORMATION
(COMPONENT SIDE VIEW)

14	YEL (+)/GRN (-)
13	YEL (-)/GRN (+)
12	YEL (+)/GRN (-)
11	YEL (-)/GRN (+)
10	GND
9	TRCT1/2/3/4
8	TRD 4+
7	TRD 4-
6	TRD 3+
5	TRD 3-
4	TRD 2+
3	TRD 2-
2	TRD 1+
1	TRD 1-

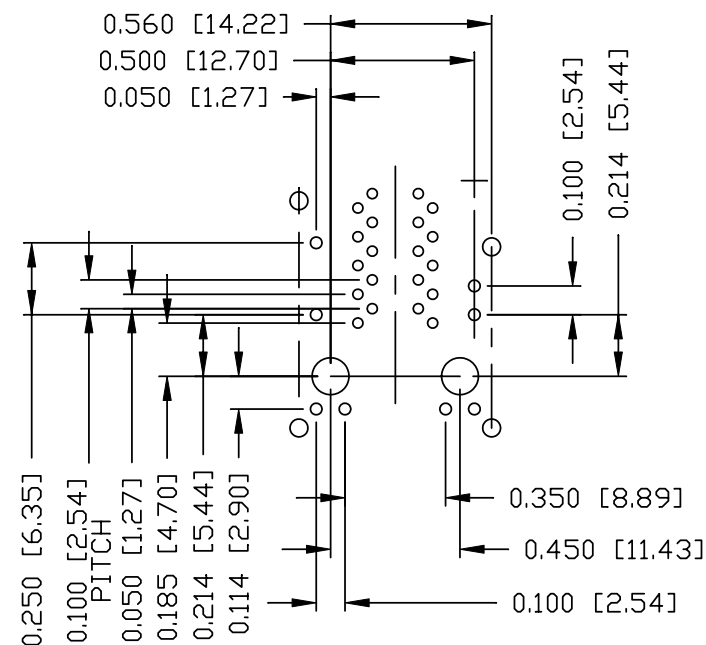
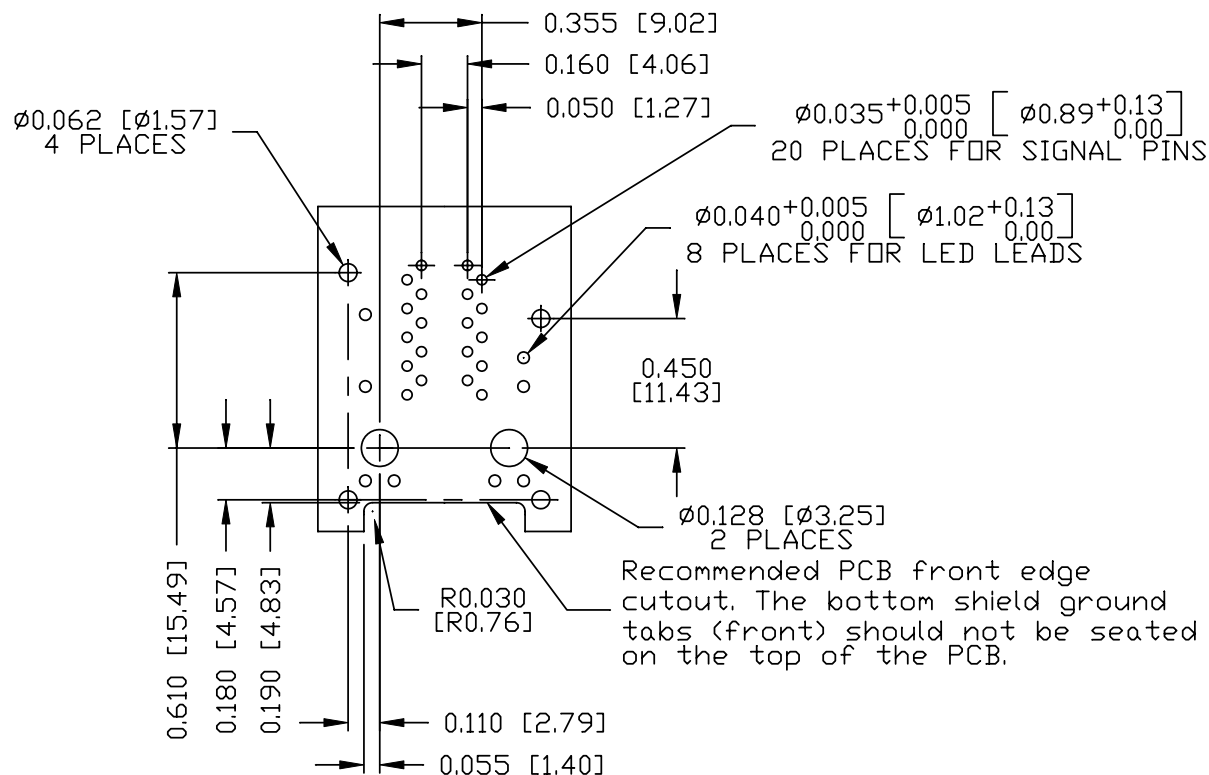
PORT ASSIGNMENT
(COMPONENT SIDE VIEW)



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

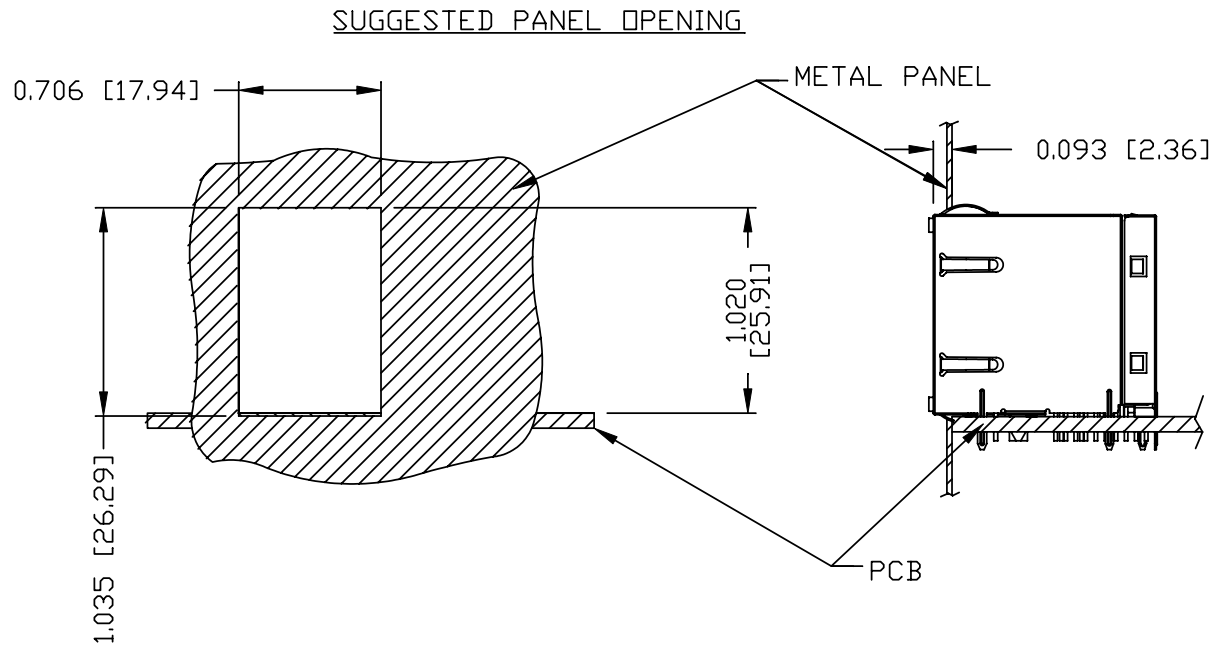
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
CHEN BILL	06-10-11	2X1 glgabit MagJack® WITH UPPER AND LOWER LED (Extended temperature) PATENTED	0879-2C1R-Y4	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
HE ZHEN	06-10-11		0879-2C1R-Y4_A.DWG	.XXX	±0.004	PAGE : 4





SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHEN BILL	06-10-11	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (Extended temperature) PATENTED	0879-2C1R-Y4	TOL. IN INCH	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
HE ZHEN	06-10-11		0879-2C1R-Y4_A.DWG	.XX		PAGE : 5
				.XXX	±0.004	



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-P8 (TOP)
0200-9999-P9 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
7 TRAYS (280 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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
CHEN BILL	06-10-11	2X1 gigabit MagJack® WITH UPPER AND LOWER LED (Extended temperature) PATENTED	0879-2C1R-Y4	.X	UNIT : INCH [mm]	REV. : A
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
HE ZHEN	06-10-11		0879-2C1R-Y4_A.DWG	.XXX ±0.004		PAGE : 6