



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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.

LED1 POLARITY			LED2 POLARITY		
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR
+	-	YELLOW	+	-	YELLOW
-	+	GREEN	-	+	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TP1	1CT : 1CT
TP2	1CT : 1CT
TP3	1CT : 1CT
TP4	1CT : 1CT

INS. LOSS (MAX)

1MHz TO 20MHz	-0.8 dB
50MHz	-1.0 dB
200MHz	-1.2 dB
400MHz	-2.0 dB
500MHz	-3.0 dB

RET. LOSS (MIN)

1MHz - 40MHz	-16 dB
40MHz - 400 MHz	-16+10LOG (F/40) dB
400MHz - 500 MHz	-6+30LOG (F/400) dB

CM TO CM REJ

1MHz - 500MHz	-30 dB MIN
---------------	------------

CM TO DM REJ

1MHz - 500MHz	-30 dB MIN
---------------	------------

HIPOT (Isolation Voltage): 2250VDC

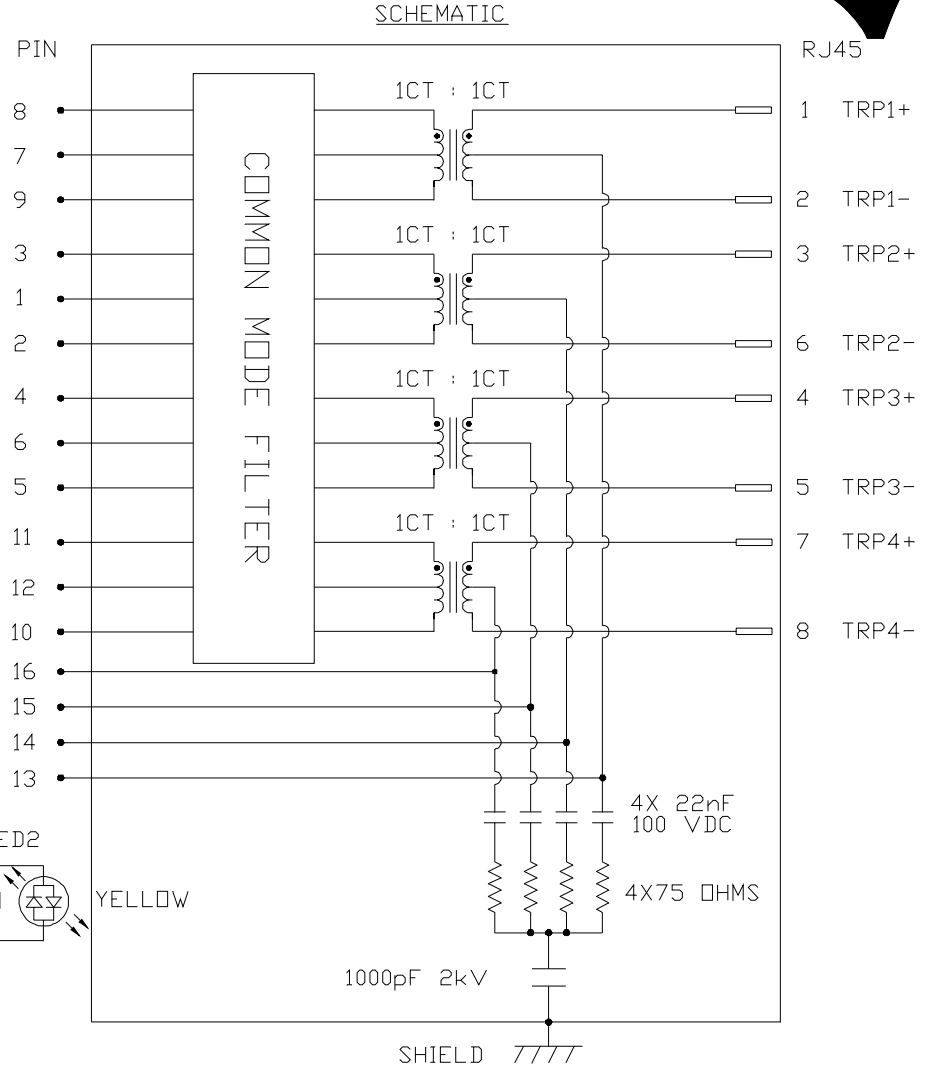
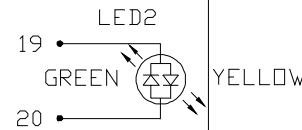
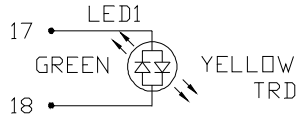
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED1 AND LED2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.  
 YELLOW 2.1V TYP.  
 λD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP.  
 YELLOW 590nm TYP.

BALANCED DC LINE CURRENT 600 mA MAX. @ 57 VDC CONTINUOUS  
 1.2 A MAX. @ 57 VDC for 200 MILLISECONDS

OPERATING TEMPERATURE: 0°C TO +70°C.



ORIGINATED BY CHOW WANCHUNG	TITLE 10 gigabit MagJack® 4PPoE
DATE 2017-04-19	
DRAWN BY XIE YIMING	G27-122T-066A
DATE 2017-04-19	PATENTED

PART NO. / DRAWING NO. G27-122T066A	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
FILE NAME G27-122T066A_PB.DWG	.X	UNIT : INCH [mm]
	.XX	SCALE : N/A
	.XXX	SIZE : A4

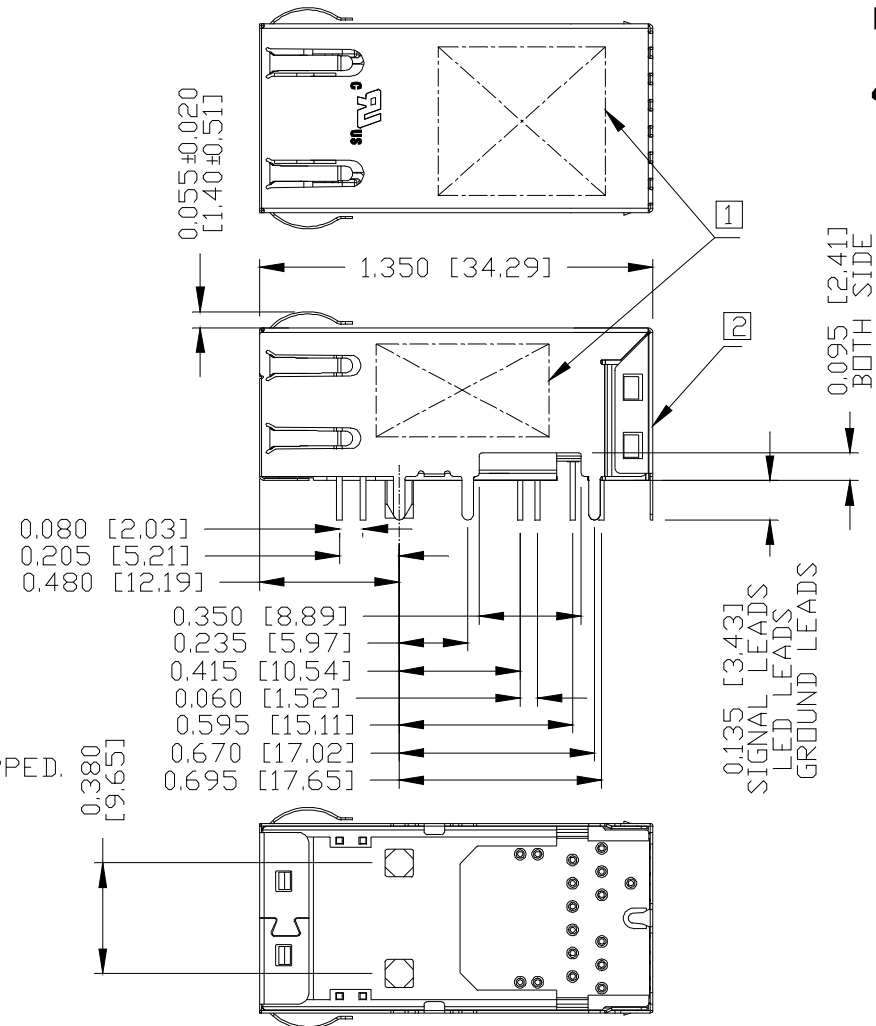
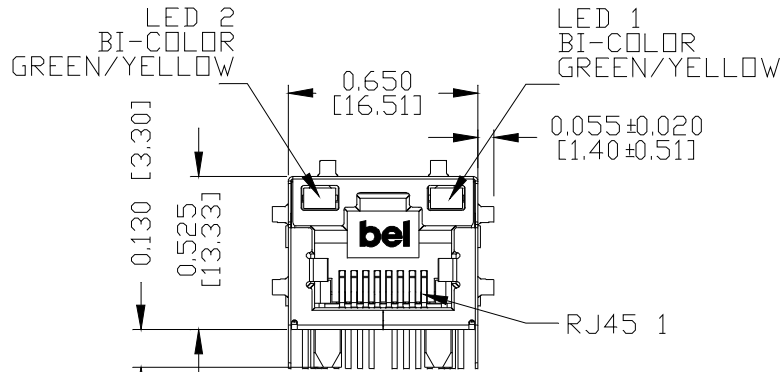
REV. : PB PAGE : 2



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.

PRELIMINARY

RoHS



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA, BLACK  
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT
- OUTPUT PINS: LEAD FREE COPPER WIRES, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY,  
(ALL GROUND LEADS ARE SOLDER DIPPED)

UL RECOGNIZED - FILE #E169987.

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER AND DATE CODE.
2. MARKING "PATENTED" IN BACK VIEW
3. THE PRODUCT IS RoHS COMPLIANT.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
5. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 7,924,130 AND U.S. PAT. 7,123,117 AND U.S. PAT. 7,429,195 AND U.S. PAT. 6,840,817.
6. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.

7. THE PART IS COMPLIANT WITH WAVE SOLDERING AND IR REFLOW. FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX. AND 10 SECONDS MAX. FOR IR REFLOW, THE SUGGESTED PEAK IR REFLOW CONDITION IS 245°C MAX AND 30 SECONDS MAX.

ORIGINATED BY ANTON LIAO DATE 2017-04-19		TITLE 10 gigabit MagJack® 4PPoE		PART NO. / DRAWING NO. G27-122T066A		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.		REV. : PB	PAGE : 3
DRAWN BY JESSE LI DATE 2017-04-19		G27-122T-066A PATENTED		FILE NAME G27-122T066A_PB.DWG		.X .XX .XXX		UNIT : INCH [mm] SCALE : N/A SIZE : A4			
						±0.010					

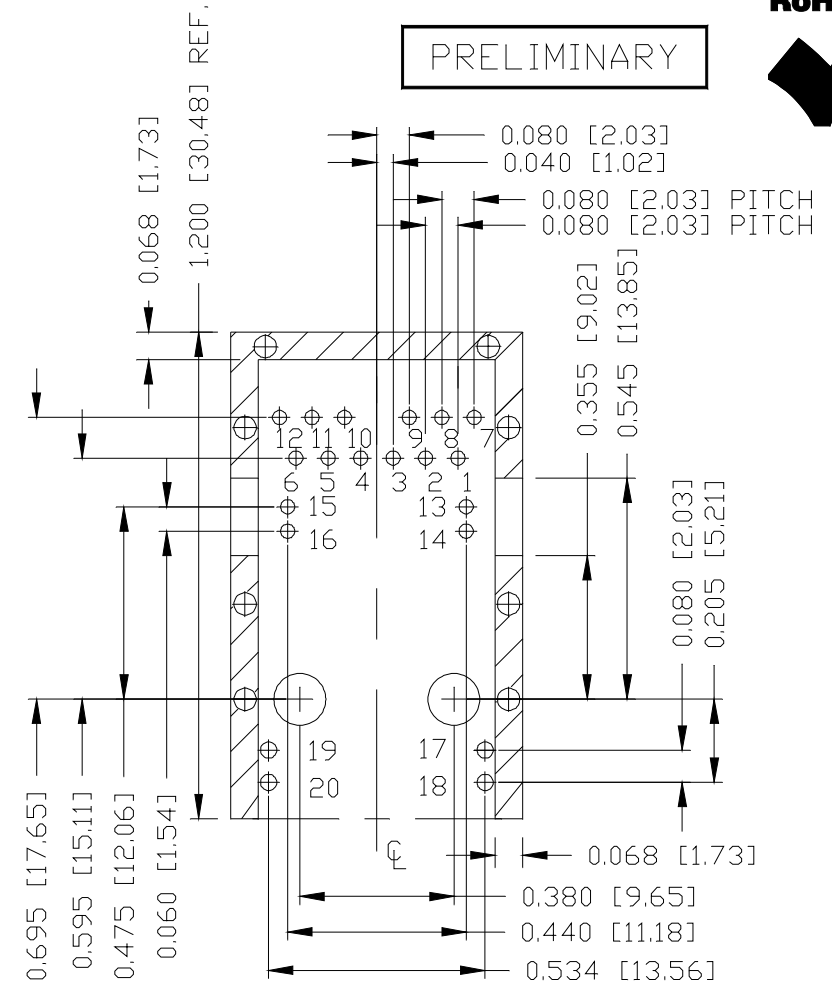
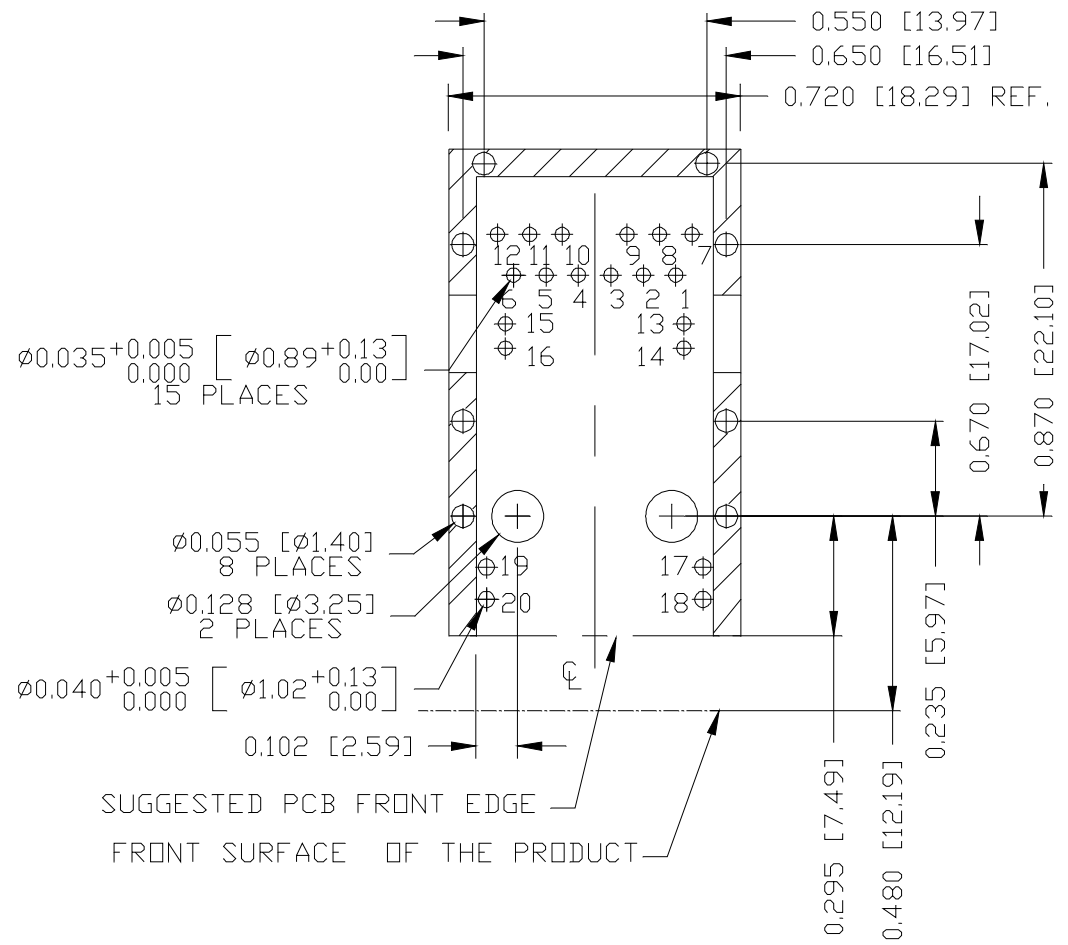
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.



RECOMMENDED PCB FOOTPRINT

PRELIMINARY

COMPONENT SIDE VIEW



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

ORIGINATED BY  
ANTON LIAO  
DATE 2017-04-19  
DRAWN BY  
JESSE LI  
DATE 2017-04-19

TITLE  
10 gigabit MagJack®  
4PPoE  
G27-122T-066A  
PATENTED

PART NO. / DRAWING NO.  
G27-122T066A  
FILE NAME  
G27-122T066A\_PB.DWG

STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REF.	
.X		UNIT : INCH [mm]	
.XX		SCALE : N/A	
.XXX	±0.004	SIZE : A4	

REV. : PB PAGE : 4

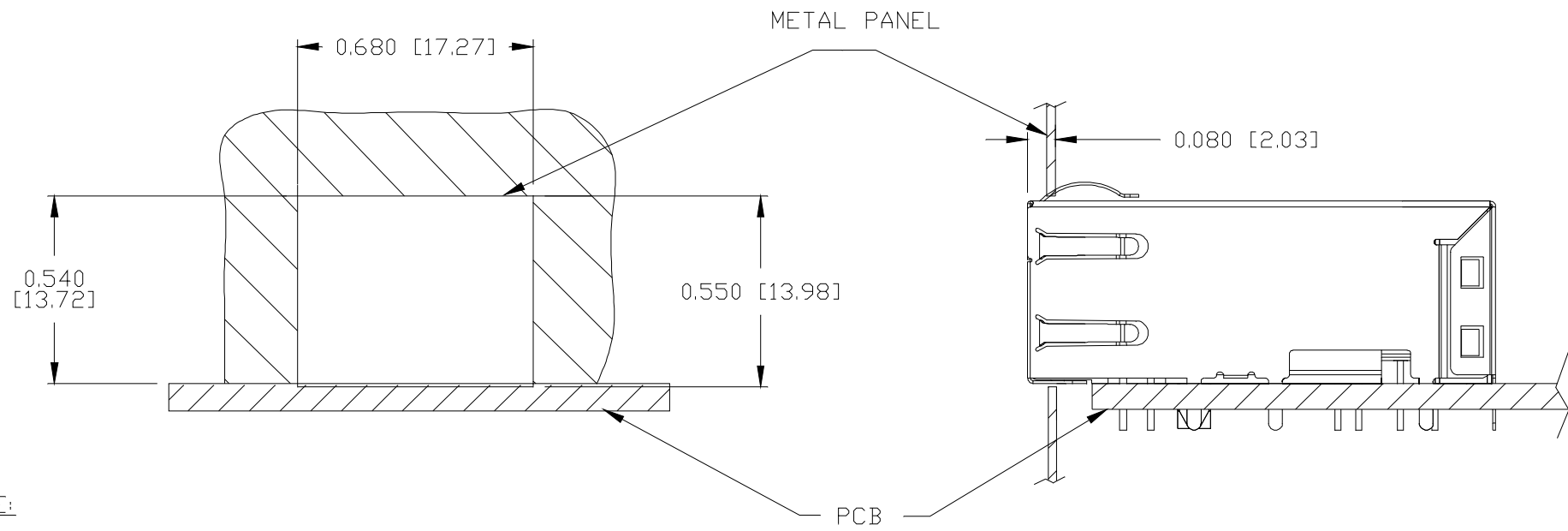


THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY



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: : 0200M9999-K8 (TOP)  
0200M9999-K7 (BOTTOM)

PACKING QUANTITY : 48 PCS FINISHED GOODS PER TRAY  
9 TRAYS (432 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. : PB PAGE : 5

ORIGINATED BY  
ANTON LIAO  
DATE 2017-04-19  
DRAWN BY  
JESSE LI  
DATE 2017-04-19

TITLE  
10 gigabit MagJack®  
4PPoE  
G27-122T-066A  
PATENTED

PART NO. / DRAWING NO.  
G27-122T066A  
FILE NAME  
G27-122T066A\_PB.DWG

STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REF.
.X	UNIT : INCH [mm]
.XX	SCALE : N/A
.XXX ±0.004	SIZE : A4

