THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE **RoHS** COPIED, REPRODUCED OR DISCLOSED WITHOUT THE LED1 WRITTEN APPROVAL OF BEL FUSE INC. 13 -LED 2 POLARITY LED 1 POLARITY GREEN DRANGE PIN 13 PIN 14 PIN 12 COLOR COLOR PIN 11 SCHEMATIC GRFFN GRFFN RJ45 DRANGE 1CT : 1CT TRD1- 1 •-1 TRP1+ ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIO ±0.1uF }|| ⊱ TP1 1CT : 1CT ±2% TP2 TRD1+ 2 • 2 TRP1-1CT : 1CT ±2% TP3 1CT : 1CT ±2% 1CT : 1CT TP4 1CT : 1CT ±2% TRD2-3 • 3 TRP2+ DCL @ 100kHz/100mVRMS 于0.1uF 引 350 uH MIN. 8mA DC BIAS (0°C - 70°C) INS. LOSS TRD2+4 •-6 TRP2-100KHz TO 125MHz -1.2 dB MAX 1CT : 1CT TRD3-5 ← 4 TRP3+ RET. LOSS (MIN) @ 1000HMS ±15% 0.5MHz-40MHz-18 dB ± 0.1uF → 40MHz-100MHz $-12+20L\Box G(f/80MHz) dB$ CM TO CM REJ TRD3+6 ← 5 TRP3-100kHz - 100MHz -30 dB MIN 1CT : 1CT CM TO DM REJ 7 TRP4+ TRD4-7 •-100kHz - 100MHz -35 dB MIN CROSS TALK ±0.1uF } | E 1MHz-100MHz -35 dB MIN TRD4+8 • 8 TRP4-HIPOT (Isolation Voltage): 1500 Vrms COMMON CT 9 • 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS. 10 • IFD 1 VF (FORWARD VOLTAGE) GREEN DRANGE IF=20mA 11 •-1000pF 2kV 人D (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP. GREEN DRANGE 610nm TYP. IFD 2 SHIELD VF (FORWARD VOLTAGE) IF=20mA GREEN LED5 AD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP. ORIGINATED BY DATE TITLE PART NO. / DRAWING NO. [] METRIC DIM. AS REFERENCE STANDARD DIM 1X6 gigabit MagJack® bel 0875-1M6T-E3 TOL. IN INCH CHDW WANCHUNG 2012-08-23 UNIT: INCH [mm] REV.: (WITH LED) X. DRAWN BY DATE FILE NAME SCALE: N/A SIZE : .XX PATENTED CONNECTED PLANETY 0875-1M6T-E3_B.DWG

.XXX

PAGE:

2012-08-23

TAN QIGUANG



0.990 [25.15]

0,135 [3,42] GROUND LEAD

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

2 MARK PART WITH MFG LOGO, MFG NAME. PART NUMBER, DATE CODE AND PATENTED.

3. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817.

591

[13,

535

Ō

0.070 [1.78] _ PITCH

0.221 [5.61] —

0.424 [10.77] -

0.120 [3.05] --

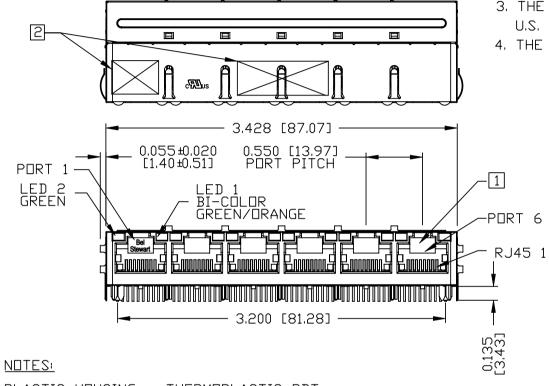
0.250 [6.35] -

0.350 [8.89] -

0.125 SIGNAL & I **R**4

0.0

4. THE PRODUCT IS ROHS COMPLIANT.



PLASTIC HOUSING: THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

c Nusul recognized - file #E196366 and E169987.

TITLE

ORIGINATED BY	DATE
ANTON LIAO	2012-08-23
DRAWN BY	DATE

1X6	gigabit MagJack	R
	(WITH LED)	
	PATENTED	

	PART NO. / DRAWING NO.
	0875-1M6T-E3
	FILE NAME
	0875-1M6T-E3_B.DWG
_	0070 11101 20_21211

		ARD DIM. N INCH	[] ME
	.X		UNIT :
_	.XX		SCALE
U	XXX	±0.010	l (ф)

[] METRIC DIM. AS	REFERE	NCE
UNIT: INCH [mm]	REV. :	В
SCALE: N/A	SIZE :	A4
$\bigcirc \longleftarrow$	PAGE:	3



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THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC. 2.675 [67.94] -2.125 [53,97] -1.575 [40.00] -1.025 [26.03] -0,475 [12,06] -[2,54] [8,89] [3,05] 0.450 [11.43] -0.050 [1.27] -0.100 [2.54] 0.120 0,350 570 0,550 [13,97] TYPE 60 PLACES Ø0.062 [Ø1.57] 7 PLACES PORT |1 PORT | 6 PURT 2 PORT 3 PORT 15 PORT 4 11 12 11 11 11 12 12 12 13 **\Pi** 14 **\Pi** 13 |\$ 13 🗢 13 Ф 13 🗢 13 **4** (P2) (P3) (P4) (P5) (P6) 12 14 O 14 **Φ** 14 **�** (P1) (P3) (P5) (P6) (P1) (P4) (P2) [6,81] Ø0.126 [Ø3.20] 2 PLACES **-** 0.110 [2.79] 3.200 [81.28] 268 3.420 [86.87] SUGGESTED PCB EDGE. FRONT SURFACE OF PRODUCT. RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW ORIGINATED BY DATE TITLE PART NO. / DRAWING NO. METRIC DIM. AS REFERENCE STANDARD DIM. 1X6 gigabit MagJack® 0075 1MCT F2 ANTON LIAD 2012-08-23

gigalori	08/3-IM61-E3	TOL. I	IN INCH	UNIT : INCH [mm]	REV. : B	
(WITH LED)	FILE NAME	.X			SIZE : A4	1 [
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	087J-1M61-E3_b,Dwd	.XXX	±0.004		PAGE: 4	
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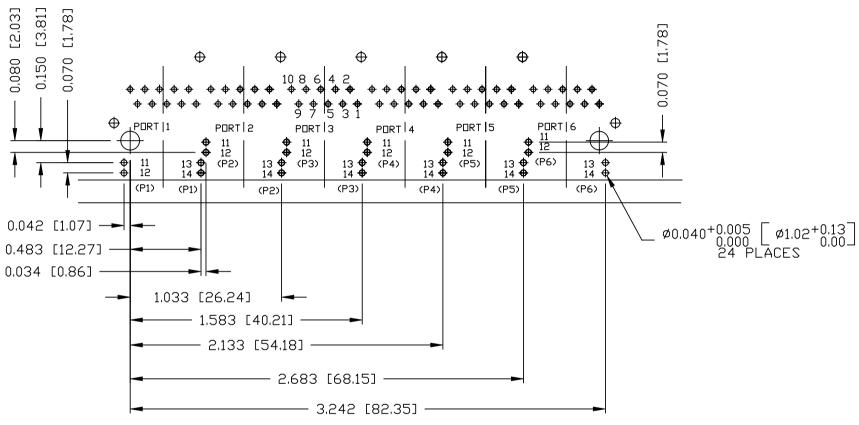


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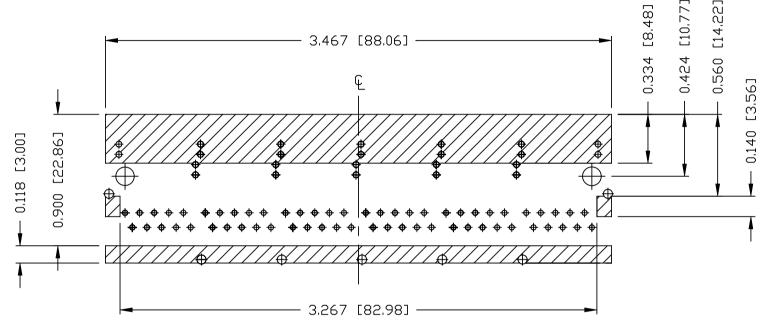


RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW

ORIGINATED BY	DATE 2012-08-23	1X6 gigabit MagJack®	PART NO. / DRAWING NO. 0875-1M6T-E3		ARD DIM. IN INCH	[] METRIC DIM. AS	T	
DRAWN BY	DATE	(WITH LED) PATENTED	FILE NAME	.X .XX		SCALE: N/A	SIZE: A4]
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NOTES

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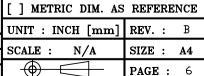
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

ORIGINATED BY	DATE
ANTON LIAO	2012-08-23
DRAWN BY	DATE

1X6 gigabit MagJack® (WITH LED) PATENTED

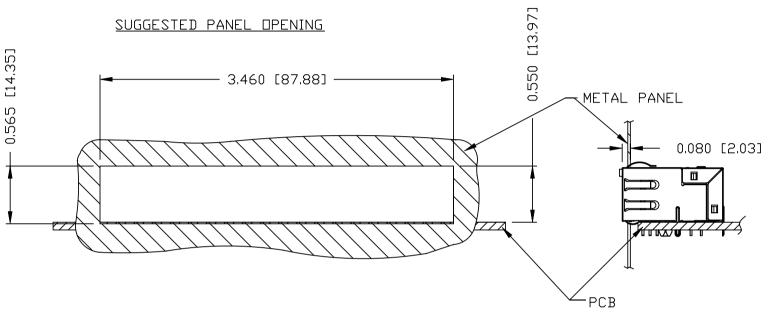
PART NO. / DRAWING NO.	STANDARD DIM.			
0875-1M6T-E3	TOL. I	N INCH	Γτ	
FILE NAME	.X		ļ٦	
0875-1M6T-E3 B.DWG	.XX		Ŀ	
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±0.004









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 : 0200M9999-F6 (TOP)

0200M9999-F7 (BOTTOM)

PACKING QUANTITY: 18 PCS FINISHED GOODS PER TRAY.

11 TRAYS (198 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		PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM. AS	S REFERENCE	
ANTON LIAO	2012-08-23		0875-1M6T-E3	TOL.	IN INCH	UNIT : INCH [mm]	REV. : B	
DRAWN BY	DATE	(WITH LED)	FILE NAME	.XX		SCALE: N/A	SIZE: A4	١,
HE ZHEN	2012-08-23	PATENTED	0875-1M6T-E3_B.DWG	.XXX	±0.004		PAGE: 7	L

