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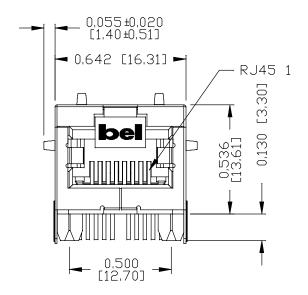
WRITTEN APPROVAL OF BEL FUSE INC. SCHEMATIC ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIO PIN RJ45 TP1 1CT : 1CT ±2% 1CT : 1CT TRD1+ 11 • 1 TRP1+ TP2 1CT : 1CT ±2% TP3 1CT : 1CT ±2% TRCT1 12 TP4 1CT : 1CT ±2% TRD1-10 • TRP1-DCL @ 100kHz/100mVRMS 1CT : 1CT TRD2+ 3 TRP2+ 8mA DC BIAS 350µH MIN. INS. LOSS TRCT2 0.1MHz TO 1MHz -1.1 dB MAX \leq TRP2-TRD2-1MHz TO 65MHz -0.5 dB MAX 1CT : 1CT \square TRD3+ TRP3+ 3 -0.8 dB MAX 65MHz TO 100MHz 100MHz TD 125MHz -1.2 dB MAX TRCT3 $\neg \neg$ RET. LOSS (MIN) TRP3-TRD3-0.5MHz-40MHz -18 dB1CT : 1CT TRD4+ TRP4+ 8 40MHz-100MHz $-12+201 \, \Pi G(f/80MHz) \, dB$ TRCT4 π CM TO CM REJ TRD4-9 TRP4-100kHz - 100MHz -30 dB MIN CM TO DM REJ 4X 75 ΠΗΜS 100kHz - 100MHz -35 dB MIN HIPOT (Isolation Voltage): 1500 Vrms 1000pF 2kV 100% OF PRODUCT TESTED IN PRODUCTION TO COMPLY WITH IEEE 802,3 ISOLATION REQUIREMENTS **OPERATING TEMPERATURE:** -40 TD +85°C SHIELD REV. : PAGE: 2 ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM [] METRIC DIM. gigabit MagJack® CHOW WANCHUNG AS REF. TOL. IN INCH 08161X1T32-F **DATE** 2017-04-24 (Ext, Temp, Tab Up) UNIT : INCH [mm] DRAWN BY FILE NAME 0816-1X1T-32-F SCALE: N/A XIE YIMING XX. PATENTED a bel group 08161X1T32-F C.DWG 2017-04-24 SIZE: A4

RoHS

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MECHANICAL SPECIFICATION





NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK

FLAMMABILITY RATING UL 94V-0

50 MICRO-INCH HARD GOLD PLATING CUNTACTS:

OR EQUIVALENT.

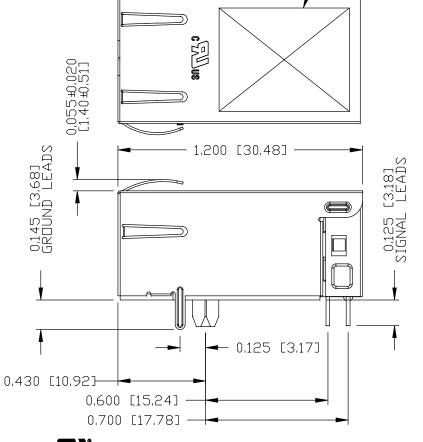
TIN-COATED COPPER WIRE, DIA 0,018 INCH. 100 MICRO-INCH MIN MATTE TIN. DUTPUT PINS:

PINS ARE SOLDER DIPPED.

NICKEL PLATED ON COPPER ALLOY. METAL SHIELD:

(ALL GROUND LEADS ARE SOLDER DIPPED)

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



C THUS UL RECOGNIZED - FILE #E196366 AND E169987.

3, JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,

REV. :

4. THE PRODUCT IS PATENTED. THE PATENT NUMBER IS U.S. PAT. 7,123,117.

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING, THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

2, THE PRODUCT IS	RoHS COMPLIANT,				
	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM.
LI QUANKUN	gigabit MagJack®	08161X1T32-F	TOL. 1	IN INCH	AS REF.
DATE 2017-04-24	(Ext, Temp, Tab Up)		.X		UNIT : INCH [mm]
DRAWN BY Zhang xuezheng	0816-1X1T-32-F	FILE NAME	.XX		SCALE : N/A
DATE 2017-04-24	PATENTED	08161X1T32-F_C,DWG	.XXX	±0.010	SIZE : A4

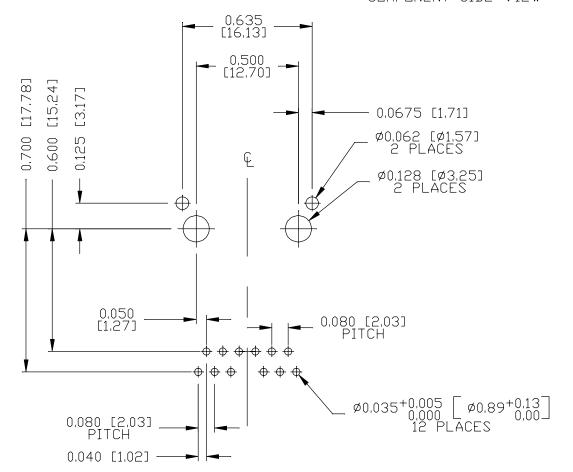
PAGE:

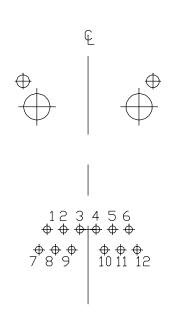
3

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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW





ORIGINATED BY	TITLE
LI QUANKUN	l
DATE 2017-04-24	
DRAWN BY	l
ZHANG XUEZHENG	l

2017-04-24

gigabit MagJack® (Ext, Temp, Tab Up) 0816-1X1T-32-F PATENTED PART NO. / DRAWING NO.
08161X1T32-F

FILE NAME
08161X1T32-F_C,DWG

STANDARD DIM. [] METRIC DIM.
TOL. IN INCH AS REF.

.X UNIT : INCH [mm]
.XX SCALE : N/A
.XXX ±0,004 SIZE : A4

REV. : C PAGE : 4

MAGNETIC SOLUTIONS
a bel group

DATE

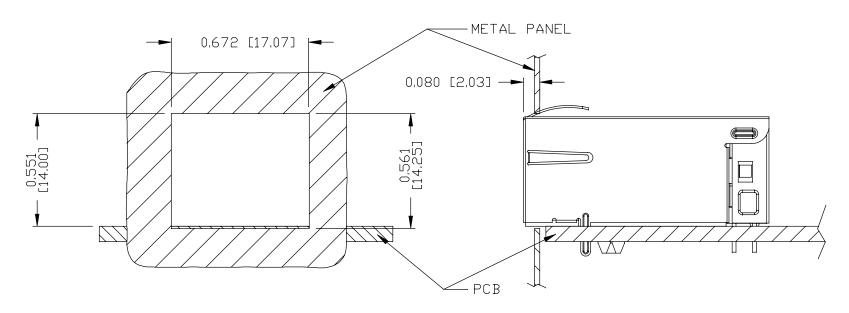
THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC. [10,92] [24,52] 0,430 0,702 [17,83] -0,965 0.472 [11.99] -[30,99] 0,516 [13,11] -NOTES THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD. REV. : С PAGE: 5 TITLE PART NO. / DRAWING NO. ORIGINATED BY STANDARD DIM [] METRIC DIM. gigabit MagJack® LI QUANKUN TOL. IN INCH AS REF. 08161X1T32-F **DATE** 2017-04-24 (Ext, Temp, Tab Up) UNIT : INCH [mm] DRAWN BY FILE NAME 0816-1X1T-32-F SCALE: N/A ZHANG XUEZHENG .XX a bel group PATENTED 08161X1T32-F_C.DWG DATE 2017-04-24 SIZE : A4 ±0.004

DC002(2)120214

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SUGGESTED PANEL OPENING





PACKING INFORMATION

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 TRAY : 0200-9999-F1 (TOP)

0200-9999-F2 (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	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.	Г
LI QUANKUN date 2017-04-24	gigabit MagJack®	08161X1T32-F		IN INCH	AS REF.	
DATE 2017-04-24	(Ext, Temp, Tab Up)	00101,71.02 1			UNIT : INCH [mm]	1
DRAWN BY	0816-1X1T-32-F	FILE NAME	· <i>X</i>		enn : men [mm]	1
ZHANG XUEZHENG	PATENTED		.XX		SCALE : N/A	1
DATE 2017-04-24	I AILINILD	08161X1T32-F_C,DWG	.XXX	±0,004	SIZE : A4	

PAGE: 6

PAGE: 6

MAGNETIC SOLUTIONS

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