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 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR		
-	+	GREEN	-	+	YELLOW		
			+	-	GREEN		

(Ultra Low Profile)

L8BJ-1K1T-KDE

PATENTED



a bel group

		LED1			HF
ELECTRICAL CHARACTERIST	<u>ICS @ 25°C</u>	13	SCH	<u>EMATIC</u>	
TURNS RATIO					RJ45
TP1	1CT : 1CT ±2%	GREEN (本)			
TP2	1CT : 1CT ±2%	14			
TP3	1CT + 1CT ±2%	- '	1CT : 1CT	-	
TP4	1CT : 1CT ±2%	TRD1+ 8 •──			——— 1 TRP1
OCL @ 100kHz/100mVRMS 8mA DC BIAS (0°C - 70°	C) 180 µH MIN.	TRCT1 7 •			
INS, LOSS		TRD1- 9 •	\frac{1}{2}		2 TRP1
1MHz TO 150MHz	-0,004(fMHz)-0,4 dB MAX	TRD2+ 2		<u></u>	
RET, LOSS	OO IT MIN	TRCT2 1 ◆			
1MHz-40MHz	-20 dB MIN -20+15LOG(f/40MHZ) dB MIN	TDD0 0		ĹĹ	
40.1MHz-150MHz	-20+13LUG(+/40MHZ) AB MIN	TRD2- 3 •	1CT : 1CT	-	——— 6 TRP2
CROSSTALK	OF ID MIN	TRD3+ 4 •		\longrightarrow	———— 4 TRP3
1MHz - 40MHz	-35 dB MIN	TRCT3 6 ∙			
40.1MHz-150MHz	-35+15L0G(f/40MHZ) dB MIN				E TDD6
CM TO CM REJ		TRD3- 5 • →	1CT : 1CT	. 	——— 5 TRP3
1MHz - 150MHz	-25 dB MIN	TRD4+ 10 •		\rightarrow	7 TRP4
HIPOT (Isolation Voltage)		TRCT4 12 •		_	
100% OF PRODUCTION TES			3118		——— 8 TRP4
IEEE 802,3 ISOLATION RE		TRD4- 11 •			O 1KF4
OPERATING TEMPERATURE:	0°C T□ +70°C				
LED 1 VF (FORWARD VOLTAGE)	IF=20mA GREEN 2,2V TYP.				
人D (DOMINANT WAVELENGTH)		LED2			
LED 2	II - ZONA GREEN STORIN III.	15		$\frac{3}{3}$ $\frac{3}{3}$ $\frac{3}{3}$ $\frac{3}{4}$ $\frac{4}{12}$	ПНМЅ
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2,2V TYP.	YELLOW (本文) G	IREEN	} } } ? ? ? ? ? ? ? ? ? ?	
VI (I DI WAILD V DE LAGE)	YELLOW 2.1V TYP.	16			
人D (DOMINANT WAVELENGTH)	IF=20mA GREEN 570nm TYP,		1000pF 2	.KV <u>+</u>	
	YELLOW 590nm TYP,		SUIFI	D 7///	
			311166		DAGE . 2
ORIGINATED BY TITLE	DADE NO	. / DRAWING NO. STANDARI		REV. : PA	PAGE: 2
CHOW WANCHUNG	25 Gloobit Moo lock®	D. / DRAWING NO. STANDARI	I	ASSERT. L	

L8BJ-1K1TKDE

L8BJ-1K1TKDE_PA,DWG

FILE NAME

DRAWN BY

DC002(2)120214

DATE 2017-11-22

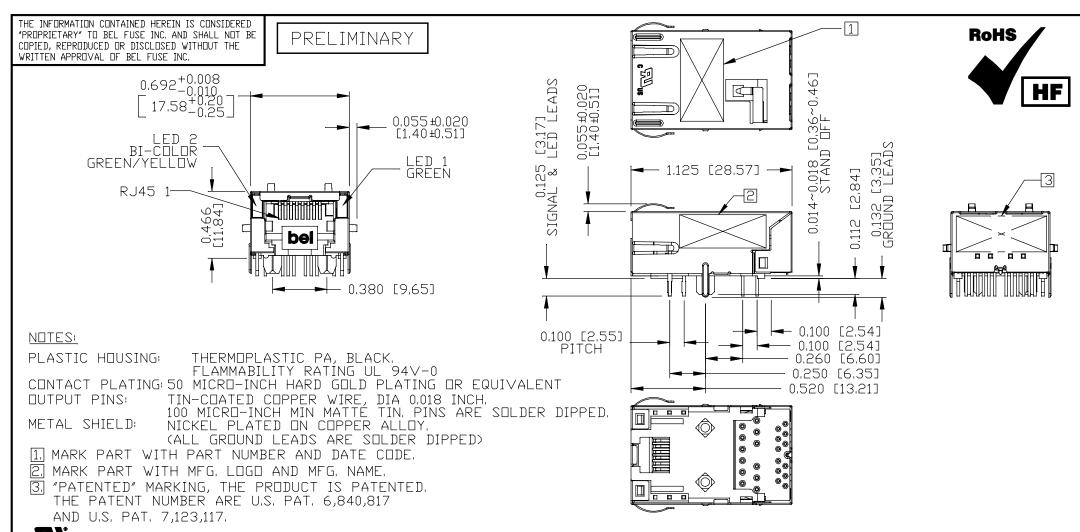
.XX

.XXX

SCALE : N/A

UNIT : INCH [mm]

SIZE : A4



US UL RECOGNIZED - FILE #E196366 AND E169987.

4. THE PRODUCT IS ROHS COMPLIANT & HALOGEN FREE.

DC002(2)120214

- 5. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- 6. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN,

7. THE PRODUCT IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX. AND 10 SECONDS MAX..

O, THE ANIAE RETENTION FORCE OF ROTTOR 13 13EDS MIN.					REV. : PA	PAGE: 3	
ORIGINATED BY ANTON LIAO	TITLE 2.5 Gigabit MagJack [®]	PART NO. / DRAWING NO. L8BJ-1K1TKDE		ARD DIM. IN INCH	[] METRIC DIM. AS REF.		
DATE 2017-11-22 DRAWN BY JESSE LI	(Ultra Low Profile) L8BJ-1K1T-KDE	FILE NAME	.X		UNIT : INCH [mm] SCALE : N/A	DE	MAGNETIC SOLUTIONS
DATE 2017-11-22	PATENTED	L8BJ-1K1TKDE_PA.DWG	.XXX	±0,010	SIZE : A4	a bel group	9

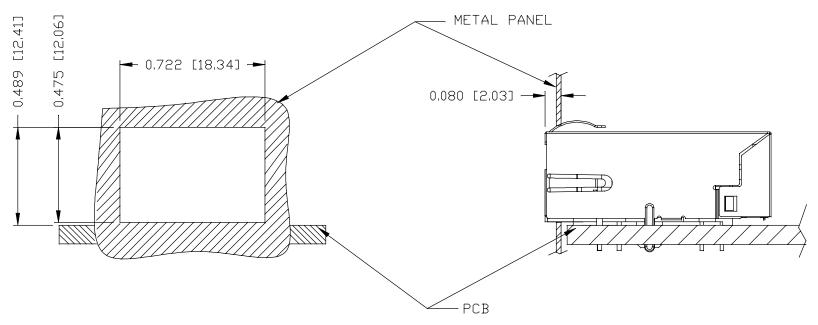
THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE RECOMMENDED PCB FOOTPRINT COPIED, REPRODUCED OR DISCLOSED WITHOUT THE PRELIMINARY WRITTEN APPROVAL OF BEL FUSE INC. COMPONENT SIDE VIEW HF [3,68] [13,21] → 0.692 [17.58] → **⊢**0,592 [15,04]**⊢** 0,520 0,145 **→** 0,750 [19,05] **→** 0,260 [6,60] REF. 0.185 [4,70] -Ø0,050 [Ø1,27] 4 PLACES **⊕**14 16₩ [17,78] 0,380 [9,65] 013 15₩ [26,70] 0,700 2X Ø0.062 [Ø1.57] ᄔ $\frac{1}{2}$ 3| |-|3| 2 4 5 6 Ш 1,051 α $\overline{\alpha}$ 2X Ø0.128 [Ø3.24] 8 [6,35] [5,08] [2,54] 34] 0 0 0 10 0 0 5 Ø0,89^{+0,13} 0 0 0 000 0,250 0,200 0,100 0,210 [6,60] [2,54] 0,040 [1,02] 0.080 [2.03] PITCH 0.090 [2.29] 0,240 [6,10] 0,560 [14,22] NOTES: FOR ONE UNIT THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD. РΑ 4 PAGE: REV. : ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. ANTON LIAD 2.5 Gigabit MagJack® AS REF. TOL. IN INCH L8BJ-1K1TKDE **DATE** 2017-11-22 (Ultra Low Profile) $exttt{UNIT} : exttt{INCH} [exttt{mm}]$ DRAWN BY FILE NAME L8BJ-1K1T-KDE SCALE: N/A JESSE LI XX. PATENTED a bel group L8BJ-1K1TKDE_PA.DWG DATE 2017-11-22 ±0,004 SIZE : A4 XXX. DC002(2)120214 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



SUGGESTED PANEL OPENING



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.

TRAY PACKING INFORMATION

PACKING TRAY : 0200M9999-C6 (TOP)

0200M9999-C7 (BOTTOM)

PACKING QUANTITY: 50 PCS FINISHED GOODS PER TRAY

10 TRAYS (500 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

						Ŀ
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.	Г
ANTON LIAO Date 2017-11-22	2,5 Gigabit MagJack®	L8BJ-1K1TKDE	1		AS REF.	
	(Ultra Low Profile)		.x		UNIT : INCH [mm]	l
DRAWN BY JESSE LI	L8BJ-1K1T-KDE PATENTED	FILE NAME	.XX		SCALE : N/A	1
DATE 2017-11-22	1111211125	L8BJ-1K1TKDE_PA.DWG	.XXX	±0.004	SIZE : A4	

REV. : PA PAGE : 5

MAGNETIC SOLUTIONS
a bel group

NDTE:

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Modular Connectors / Ethernet Connectors category:

Click to view products by Bel Fuse manufacturer:

Other Similar products are found below:

8949-H88/06BLKA/SN 74441-0010/BKN MP1010RX-1000 MP44RX-1000 PHJ-4P4C-1-V-4 PHP-6P6C-5 GAX-3-66 GAX-8-62 GDCX-PA-66-50 GDCX-PN-64 GDCX-PN-66 GDCX-PN-66-50 GDLX-A-66 GDLX-N-66 GDLX-S-66 GDLX-S-88K GDLX-SMT-S-88 GDTX-S-88-50 GDX-PA-1010 GLX-N-1010M-BLK GLX-S-88M-BLK GMX-N-1010 GMX-S-1010 GMX-S-66 GMX-SMT4-N-88 GPX-2-64 GSGX-N-2-88 GSGX-N-4-88 GSX-NS2-88-3.05 GSX-NS2-88-3.05-50 GSX-NS-88-3.05-50 PT-108A-8C-UL PT-J951-8C PTS-J531-8CS-50UL 1-1775629-2 A-2014-0-4 GWLX-S-88-GR GWLX-S9-88-YG DC-1021-8-WH-6 1300530003 1324640-4 RJ11FTVC2G RJ11FTVC2R RJ11FTVX2SA1G 132764-001 1413235 MP88X-1000 MPS88RX-5000 E5288-S000K3-L E5908-15A242-L