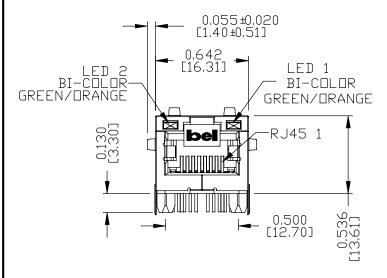
THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE

Y / IUNIT : INCH mm P OOLUTIONIO	WRITTEN APPROVAL OF BEL FUSE I										
+ - URANGE + - DRANGE - + GREEN - TRIL+ II - GREEN - TRIL+	LED1 POLARIT	Y LED2	POLARITY		13 • LEI)1 ¬					
ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIO 10T : 10T : 12°C TURNS RATIO 11 TRP1+ 12 TRP1- 12 TRP1- 13 TRP1- 14 TRP1- 15 TRP1- 16 Tr : 10T : 12°C 17 TRP1- 17 TRP1- 10 Tr : 10T :	PIN 13 PIN 14	COLOR PIN 15 P	IN 16 COLOR		GREEN (TRANGE	SCHEM	ΔΤΙΓ		•
ELECTRICAL CHARACTERISTICS @ 25°C TRD1+ 11 TURNS RATID TP1 1CT : 1CT : 22′ TRD2+ 11 TP2 1CT : 1CT : 22′ TRD1- 10 TRD1	+ -	RANGE +	- DRANGE					SCHEIT	11110		D 145
ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIU THE TURNS RATIU TP2 1CT : 1CT : 42°X TRCT1 12 TP3 1CT : 1CT : 42°X TRD1- 10 TP4 1CT : 1CT : 42°X TRD1- 10 TP3 1CT : 1CT : 42°X TRD1- 10 TP4 1CT : 1CT : 42°X TRD1- 10 TP4 1CT : 1CT : 42°X TRD1- 10 TP3 1CT : 1CT : 42°X TRD1- 10 TP4 1CT : 1CT : 42°X TRD1- 10 TP4 1CT : 1CT : 42°X TRD1- 10 TRD1	- + (GREEN -	+ GREEN		14 •	┙ `┌					KJ4J
TURNS RATIO TURNS RATIO TURNS RATIO TOT: 1CT +2% TPP								1CT :	1CT		
TP1 TP2 TP2 TP3 TCT : ICT : 2/C TRCT : 12/C TP3 TCT : ICT : 2/C TRD1- 10 TP4 CCL @ 100kHz/100mVRMS SPA DC BIAS STANDARD DIM STANDA		CIEKIZIICZ @ 231	<u>L</u>		TRD1+	11 •					1 TRP1+
TP2 TP3		1CT	: 1CT +2%		TRCT1	12 •		_			
TP3					TDD4	10			- 	Į	2 TDD1
8mA DC BIAS					IKDI-	IU •		Z			C IRFI-
8mA DC BIAS			: 1CT ±2%		TDNO+	ر <u>ا</u>		<u> </u>	1CT		2 TDD2±
INS. LOSS 0.1MHz TD 1MHz 1 G5MHz 1 G5MHz 1 G5MHz 1 G100MHz 1 G5MHz 1 G100MHz 1 G5MHz 1 G100MHz 1 G100MHz 1 G10MHz 1 G10MHz 1 G5MHz 1 G10MHz 1 G10M			uH MTN.								3 INFET
IMHz TD 65MHz	INS, LOSS	•	'		TRCT2	6 •		_	-	7	
65MHz TD 100MHz					TRD2-	5 •		<		 	6 TRP2-
100MHz TD 125MHz RET. LDSS (MIN) 0.5MHz-40MHz 40MHz-100MHz -12+20LDG(f/80MHz) dB TRCT3 1 40MHz-100MHz -12+20LDG(f/80MHz) dB TRCT3 1 -12+20LDG(f/80MHz) dB TRCT3 1 -12+20LDG(f/80MHz) dB TRD3- 2 -12+20LDG(f/80MHz) dB TR					TNDE				1CT		
NET CRIST	100MHz TO 125MH				TRD3+	3 -		—	101	$\rightarrow \rightarrow -$	4 TRP3+
40MHz=100MHz CROSS TALK IMHz = 60MHz 60MHz = 100MHz 60MHz = 100MHz 100kHz 10kHz		10	-170		TDOTO	,			1		
CROSS TALK 1MHz - 60MHz - 60MHz 60MHz - 100MHz -25dB MIN -25dB MIN TRD4+ 8 TRD4+ 9 TRD4- 10 TRD4- 8 TRD4+ 8 TRD4+ 8 TRD4- 10 TRD4+ 8 TRD4- 10 TRD4+ 8 TRD4- 10 TRD4- 9 TRD4- 10 TRD4- 9 TRD4- 10 TRD4- 9 TRD4- 10 TRD4- 10				n ⊲R	IRUI3	1		יון י	-		
60MHz - 100MHz	CROSS TALK			A D	TRD3-	2 -		₫	<u> </u>	$\rightarrow \rightarrow -$	5 TRP3-
CM TO CM REJ 100kHz - 100MHz 1500 Vrms or 2250VDC 100% OF PRODUCTION TESTED TO COMPLY WITH 1EEE 802.3 ISOLATION REQUIREMENTS, 1ED 1 AND LED 2 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP, 100kHz 1500 Vrms or 2250VDC 100% OF PRODUCTION TESTED TO COMPLY WITH 1EEE 802.3 ISOLATION REQUIREMENTS, 1500 Vrms or 2250VDC 100% OF PRODUCTION TESTED TO COMPLY WITH 1EEE 802.3 ISOLATION REQUIREMENTS, 1500 Vrms or 2250VDC 100% OF PRODUCTION TESTED TO COMPLY WITH 1500 Vrms or							'_		1CT		
100kHz - 100MHz	6UMHZ — 1UUMHZ M TO CM RF I	-25	DAR WIN		TRD4+	8 •		П ————————————————————————————————————		} 	7 TRP4+
100kHz - 100MHz - 35 dB MIN HIPDT (Isolation Voltage): 1500 Vrms or 2250VDC 100% DF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS. LED 1 AND LED 2 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. DRANGE 2.0V TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. DPERATING TEMPERATURE: 0°C TO +70°C. ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 PART NO. / DRAWING NO. 08261B1T43-F V VUNIT: INCH [mm] REV. : E PAGE: 2 MAGNETIC.	100kHz - 100MHz	-30	dB MIN		TRCT4	7	7				
HIPDT (Isolation Voltage): 1500 Vrms or 2250VDC 100% DF PRDDUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS. LED 1 AND LED 2 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. ORANGE 2.0V TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. ORANGE 610nm TYP. DPERATING TEMPERATURE: 0°C TO +70°C. ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 ORIGINATED BY (8 cores, Tab Up) PART NO. / DRAWING NO. O8261B1T43-F V VUNIT: INCH [mm] ORANGE 1000pF 2kV TOL. IN INCH AS REF. MAGNETIC	【	-25	S AR MIN					١١٤ ١٤	- 1		
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS. LED 1 AND LED 2 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. DRANGE 2.0V TYP. OPERATING TEMPERATURE: 0°C TO +70°C. ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 ORIGINATED BY (8 cores, Tab Up) PART NO. / DRAWING NO. 08261B1T43-F V UNIT: INCH [mm] AX 75 OHMS 4X 75 OHMS AX 75 OHMS				VDC	TRD4-	9 •				} 	8 IRP4-
LED 1 AND LED 2 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. ORANGE 610nm TYP. ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 FART NO. / DRAWING NO. 08261B1T43-F ORGEN TOL. IN INCH MAS REF. V UNIT: INCH [mm] AGNETIC	100% OF PRODUC	TION TESTED TO C	COMPLY WITH							\$ \$	
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. OPERATING TEMPERATURE: 0°C TO +70°C. ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 GREEN 2.2V TYP. IRANGE 2.0V TYP. IRANGE 2.0V TYP. IRANGE 610nm TYP. IRANGE 6		ATION REQUIREMEN	ITS,		15 •	_		4X /J L		\$ \$	
DRANGE 2.0V TYP. LED2 SHIELD 7777 DPERATING TEMPERATURE: 0°C TO +70°C. ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 ORANGE 610nm TYP. DPART NO. / DRAWING NO. STANDARD DIM. TOL. IN INCH AS REF. O8261B1T43-F O8261B1T43-F O8361B1T43-F O8361B1T43-F O8461B1T43-F)))))))/ TVD		+			<u></u>	→	
AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP, OPERATING TEMPERATURE: 0°C TO +70°C, ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 PART NO. / DRAWING NO. 08261B1T43-F ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 ORIGINATED BY CHOW WANCHUNG DA	VE (FURWARD V	ULTAGE) IF = c			CREEN (空(1	URANGE	1000-		_	
ORANGE 610nm TYP. OPERATING TEMPERATURE: 0°C TO +70°C. ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 ORANGE 610nm TYP. SHIELD 7777 REV.: E PAGE: 2 PART NO. / DRAWING NO. 108261B1T43-F O8261B1T43-F V UNIT: INCH [mm] MAGNETIC		A] `` \		1000	Jr CRV _	_	
ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 TITLE gigabit MagJack® (8 cores, Tab Up) PART NO. / DRAWING NO. 108261B1T43-F PART NO. / DRAWING NO. 108261B1T43-F V UNIT: INCH [mm] REV.: E PAGE: 2 PAGE: 2 WAGNETIC	YN (MUNANI M	AVELENGIH) IF = c			L	ED2			SHIFLD 77		
ORIGINATED BY CHOW WANCHUNG DATE 2016-08-10 TITLE gigabit MagJack® (8 cores, Tab Up) PART NO. / DRAWING NO. 08261B1T43-F PART NO. / DRAWING NO. STANDARD DIM. TOL. IN INCH AS REF. V UNIT: INCH [mm] MAGNETIC	OPERATING TEMPER	ATURE: 0°C TO +70								· ·	. O
CHOW WANCHUNG DATE 2016-08-10 gigabit MagJack® 08261B1T43-F 08261B1T43-F V UNIT : INCH [mm] MAGNETIC			Т	PART NO /	DRAWING NO	CITTA NED A S	D DIV. r	1 MEMBIO DIM	KEV.:	PAG	re, ; C
DATE 2016-08-10 (8 cores, Tab Up) (8 cores, Tab Up) (8 cores, Tab Up) (8 cores, Tab Up)	CHOW WANCHUNG		agJack®	,			_	_	SEE SY.		1
DRAWN BY OOOK 1D1T 40 F FILE NAME X FILE NAME	DATE 2016-08-10		_	 	. 143-1					DA	MAGNETIC
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DRAWN BY	0826-1B:	1T-43-F	FILE NAME					77		SOLUTIONS
PATENTED 108261B1T43-F F.D.W.G. 108261B1T45-F F.D.W.G. 108261B1T45-F F.D.W.G. 108261B1T45-F F.D.W.G.W.G. 108261B1T45-F F.D.W.G. 108261B1T45-F F.D.W.G. 108261B1T45-F F.D.W.G. 108261B1T45-F F.D.W.G. 108261B1T45-F F.D.W.G. 108261B1T	SKY YOU date 2016-08-10	PATE	NTED	08261B1T4	3-F_E.DWG		/		464.2	a bel group	
	DATE 2010 00 10 DC002(2)120214		This do	cument is electro	onically generated.				l lly		

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MECHANICAL SPECIFICATION





NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK

FLAMMABILITY RATING UL 94V-0

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

30 MICRO-INCH MIN NICKEL UNDERPLATE,

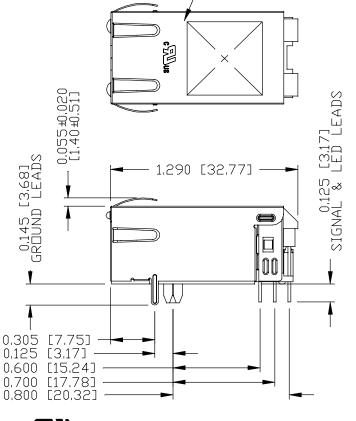
TIN-COATED COPPER WIRE, DIA 0,018 INCH. DUTPUT PINS:

100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED, 4, THE PRODUCT IS PATENTED, THE PATENT NUMBER IS

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

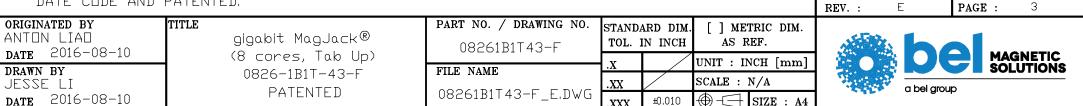
(ALL GROUND LEADS ARE SOLDER DIPPED)

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



C TUS UL RECOGNIZED - FILE #E196366 AND E169987.

- 2. THE PRODUCT IS ROHS COMPLIANT.
- 3, JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS
- 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.



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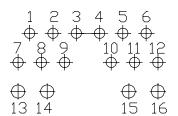
RoHS

RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW

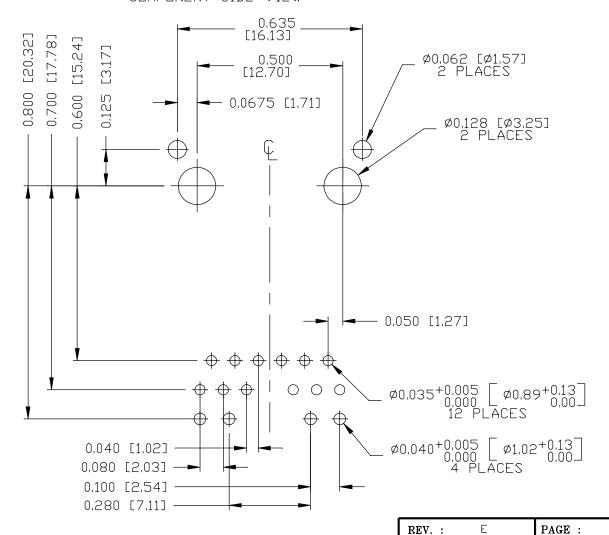
<u>PIN ASSIGNMENT</u> COMPONENT SIDE VIEW







TITLE



ORIGINATED BY
ANTON LIAO
DATE 2016-08-10
DRAWN BY

2016-08-10

gigabit MagJack® (8 cores, Tab Up) 0826-1B1T-43-F PATENTED
 PART NO. / DRAWING NO.
 STANDARD DIM.
 [] METRIC DIM.

 08261B1T43-F
 TOL. IN INCH
 AS REF.

 .X
 UNIT: INCH [mm]

 .XX
 SCALE: N/A

 .XXX
 ±0.004
 TSIZE: A4



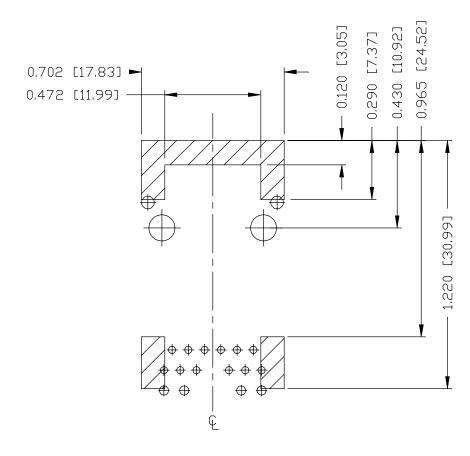
DATE

JESSE LI

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KEEP OUT AREA





NOTES

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

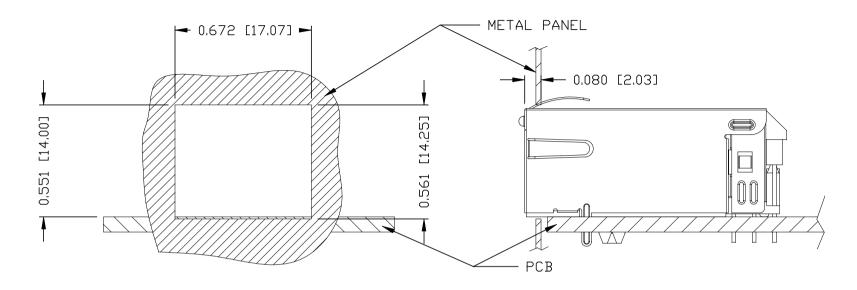
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH			
ANTON LIAO	gigabit MagJack®	08261B1T43-F				
DATE 2016-08-10	(8 cores, Tab Up)	00201211101	v		UNIT : INCH [mm]	
DRAWN BY	0826-1B1T-43-F	FILE NAME	-Λ		emi : men [mm]	
JESSE LI	PATENTED	0006474740 5 5 7 7 6	.XX		SCALE : N/A	
DATE 2016-08-10	I MILNILD	08261B1T43-F_E.DWG	.xxx	±0.004	SIZE : A4	

REV. : E PAGE : 5

MAGNETIC SOLUTIONS
a bel group

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 : 0200-9999-F6 (TOP)

0200-9999-F7 (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)

						Ŀ
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH		1	
ANTON LIAO	gigabit MagJack®	08261B1T43-F				
DATE 2016-08-10 DRAWN BY	(8 cores, Tab Up)	FILE NAME	.x		UNIT : INCH [mm]	ĺ
JESSE LI	0826-1B1T-43-F PATENTED		.XX		SCALE : N/A	İ
DATE 2016-08-10	FAICNIED	08261B1T43-F_E,DWG	.XXX	±0.004	SIZE : A4	L

