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LED1 POLARITY		LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
_	+	YELLOW	+	_	DRANGE
			_	+	GREEN

ELECTRICAL CHARACTERISTICS @ 25°C

DATE

2013-05-03

TURNS RATIO TP1 TP2 TP3 TP4 OCL @ 100kHz/100mVRMS	1CT : 1CT ±2% 1CT : 1CT ±2% 1CT : 1CT ±2% 1CT : 1CT ±2%
8mA DC BIAS	350µH MIN.
INS, LOSS	1.1 -ITO MAN/
0.1MHz TO 1MHz 1MHz TO 65MHz	-1.1 dB MAX -0.5 dB MAX
65MHz TO 65MHz	-0.8 dB MAX
100MHz TO 125MHz	-1,2 dB MAX
RET, LOSS (MIN)	

)			

0826-1X1T-23-F

PATENTED

PART NO. / DRAWING NO.
08261X1T23-F
FILE NAME
08261X1T23-F_F.DWG

STANDARD DIM.				
TOL. I	N INCH			
.X				
vv				

SCHEMATIC

1CT : 1CT

] METRIC DIM. AS	REFERE	NCE
UNIT : INCH [mm]	REV. :	F
SCALE: N/A	SIZE :	A4
	PAGE:	2

bel
COMPONENTS FOR A CONNECTED PLANET

RoHS

RJ45

1 TRP1+

	ORIGINATED BYDATETITLECHOW WANCHUNG 2013-05-03	gigabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO. 08261X1T23-F	STANDARD DE	,,,, <u> </u>	DIM. AS REFERENCE H [mm] REV. : F	be
	AD (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TY ORANGE 610nm TYI			SHIELD	7777	
	VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP DRANGE 2.0V TYP.	· IFD2		1000pF 2kV		
	LED 2		16				
	VF (FORWARD VOLTAGE) AD (DOMINANT WAVELENGTH)	IF=20mA YELLOW 2.1V TYP. IF=20mA YELLOW 590nm TY		ANGE 4	X 75 DHMS	\$ 	
	LED 1	TE 00 A VELLEN (04) (TVO	15 •				
	IEEE 802.3 ISOLATION REQUIR	EMENTS.	TRD4- 9 •			} 	8 TRP4-
		TO COMPLY WITH	TRCT4 7 •	──} E 		7	
	HIPOT (Isolation Voltage):	1500 Vrms		3116	••••		/ INI T'
١	CM TO DM REJ 100kHz – 100MHz	-35 dB MIN	TRD4+ 8 • 1	1CT : 1CT			7 TRP4+
١	100kHz - 100MHz	-30 AB MIN	TRD3- 2 •──		•		5 TRP3-
١	CM TO CM REJ	12 / 2022 24 () 30 () 12 / 3.2		۲۱۱۴ ₋ ۲			E
١	0.5MHz-40MHz 40MHz-100MHz	-18 dB -12+20L0G(f/80MHz) dB	TRCT3 1 •		<u> </u>		
	RET. LOSS (MIN)	10 alD	TRD3+ 3 • →			$\longrightarrow \vdash -$	4 TRP3+
١	100MHz TO 125MHz	-1.2 dB MAX	1	1CT : 1CT			
	1MHz TO 65MHz 65MHz TO 100MHz	-0.5 dB MAX -0.8 dB MAX	TRD2- 5 •			— } 	6 TRP2-
	0.1MHz TO 1MHz	-1.1 dB MAX	TRCT2 6 ∙				
١	INS. LOSS	SSOMIT MIN.		عاله لـ	-••••• d		0 1111 =
١	□CL @ 100kHz/100m∨RMS 8mA DC BIAS	350µH MIN.	TRD2+ 4 • 1	1CT : 1CT			3 TRP2+
١	TP4	1CT : 1CT ±2%		107 107			_
١	TP3	1CT : 1CT ±2%	TRD1- 10 •				2 TRP1-
١	TP1 TP2	1CT : 1CT ±2% 1CT : 1CT ±2%	TRCT1 12 •	—-} £			
	TD1	10T 10T 10%		₹II 💆 📑	~,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		

TAN QIGUANG

DRAWN BY

LED1

TRD1+ 11 ←

13 •

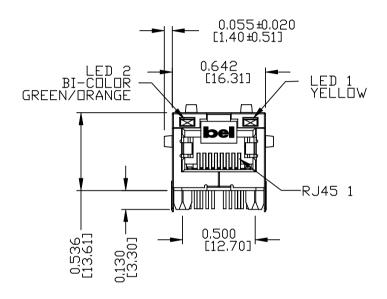
14 •

YELLOW

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA

FLAMMABILITY RATING UL 94V-0

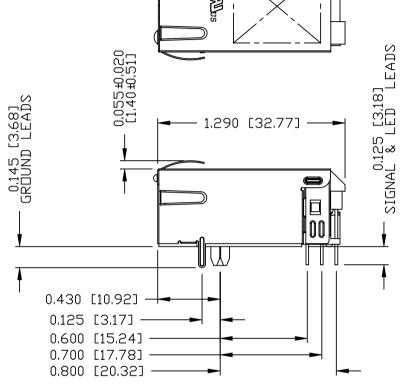
CONTACTS: 50 MICRO-INCH HARD GOLD PLATING

OR EQUIVALENT.

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

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" MARKING. THE PRODUCT IS PATENTED. THE PATENTED NUMBER IS U.S. PAT. 5,736,910.

c Tusul recognized - file #E196366 AND E169987.

2. THE PRODUCT IS ROHS COMPLIANT.

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE TITLE	gigabit MagJack®	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS	REFERENCE	
ANTON LIAO	2013-05-03	(12 cores, Tab Up)	08261X1T23-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : F	be
DRAWN BY	DATE	OOLO INII LO I	FILE NAME	.X .XX	SCALE: N/A	SIZE: A4	COMPONENTS
HE ZHEN	2013-05-03	PATENTED	08261X1T23-F_F.DWG	.XXX ±0.010		PAGE: 3	PLANET

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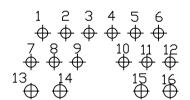
RoHS

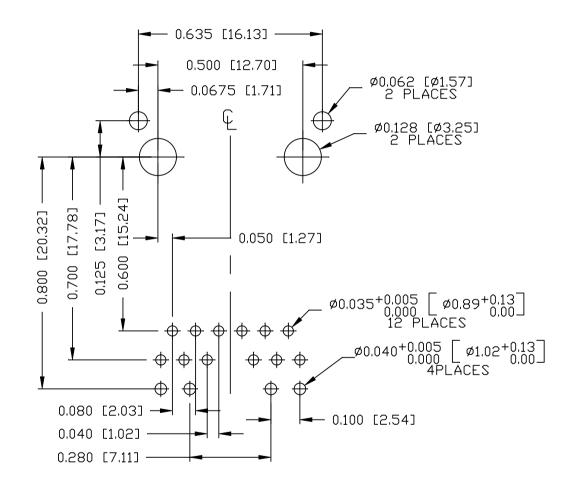
RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW

PIN ASSIGNMENT
COMPONENT SIDE VIEW









ORIGINATED BY	DATE	TITLE
ANTON LIAO	2013-05-03	•
DRAWN BY	DATE	
HE ZHEN	2013-05-03	

gigabit MagJack® (CM Termination) 0826-1X1T-23-F PATENTED

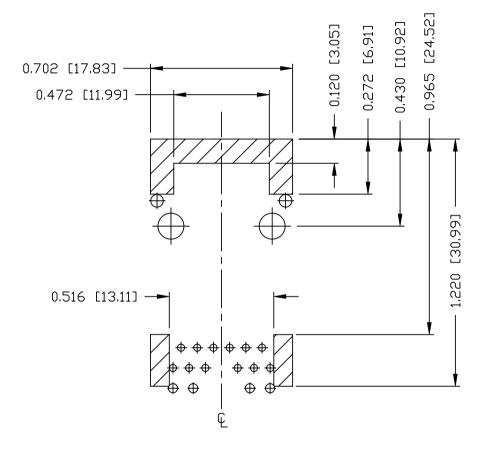
PART NO. / DRAWING NO.	STANDA	ARD DIM.
08261X1T23-F	TOL. I	N INCH
FILE NAME	.X	
	.XX	
08261X1T23-F_F.DWG	vvv	±0.004

[] METRIC DIM. AS	REFERENCE
UNIT : INCH [mm]	REV.: F
SCALE: N/A	SIZE: A4
	PAGE: 4



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NOTES

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

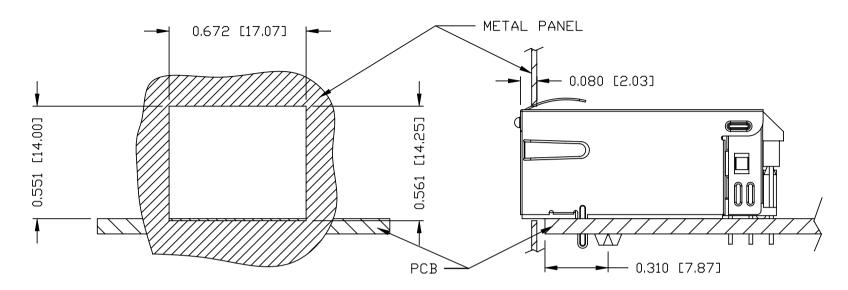
ORIGINATED BY ANTON LIAO	DATE TITL 2013-05-03	E gigabit MagJack® (12 cores, Tab Up)	PART NO. / DRAWING NO. 08261X1T23-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFER UNIT: INCH [mm] REV.:	_
DRAWN BY HE ZHEN	DATE 2013-05-03	0826-1X1T-23-F PATENTED	FILE NAME 08261X1T23-F_F.DWG	.X .XX	SCALE: N/A SIZE:	A4
112 211211	2010 00 00		OOLOINITES T_TIBWG	.XXX ±0.004	PAGE	: 5



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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)

ORIGINATED BY		TITLE gigabit MagJack®	PART NO. / DRAWING NO.	STANDARD DIM.		. [] METRIC DIM. AS REFERENCE		
ANTON LIAO	2013-05-03	(12 cores, Tab Up)	08261X1T23-F	TOL. II	N INCH	UNIT : INCH [mm]	REV. : F	be
DRAWN BY	DATE	0826-1X1T-23-F	FILE NAME	.XX		SCALE: N/A	SIZE: A4	COMPONENT
HE ZHEN	2013-05-03	PATENTED	08261X1T23-F_F.DWG	.XXX	±0.004	$\bigoplus $	PAGE: 6	CONNE PLANET

