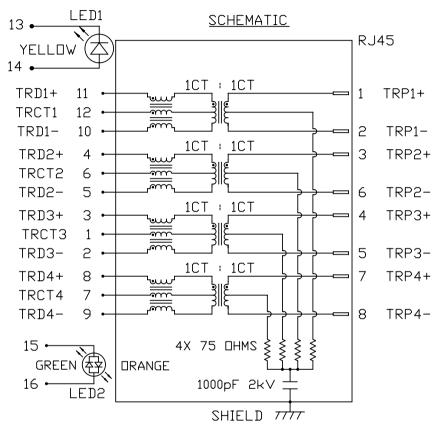
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LED1 POLARITY				_ARITY	LED2 POLARITY			
PIN	13	PIN	14	COLOR	PIN 15	PIN 16	COLOR	
ı		+		YELLOW	+	1	□RANGE	
	_		_		_	+	GREEN	



ELECTRICAL CHARACTERISTIC	:S @ 25°C
TURNS RATIO	
TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
OCL @ 100kHz/100mVRMS 8mA DC BIAS	250ull MIN
INS. LOSS	350μH MIN.
0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.5 dB MAX
65MHz TO 100MHz	-0.8 dB MAX
100MHz TO 125MHz	-1.2 dB MAX
RET. LOSS (MIN)	
0,5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20L0G(f/80MHz) dB
CROSS TALK	
100kHz - 100MHz	$-33+20L\Box G(f/100MHz)dB MIN$
CM TO CM REJ 100kHz - 100MHz	-30 dB MIN
CM TO DM REJ	-30 GB MIN
	-35 dB MIN
HIPOT (Isolation Voltage):	1500 Vrms
100% OF PRODUCTION TESTE	ED TO COMPLY
WITH IEEE 802.3 ISOLATION	N REQUIREMENT
LED 1	
VF (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP.
	H)IF=20mA YELLOW 590nm TYP.
LED 2	
VF (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.

AD (DOMINANT WAVELENGTH) IF = 20mA GREEN 565nm TYP.



USB ELECTRICAL:

INSULATION RESISTANCE: 1000 MEGAΩ (MIN)
CONTACT RESISTANCE: 25 MILLIΩ (MAX)
DIELECTRIC WITHSTANDING: 750 VAC

ORIGINA	ATED BY	DATE
CHDW	WANCHUNG	2012-08-07
TO TO A THEORY	DV	D A IDE
DRAWN	RIGUANG	DATE

gigabit MagJack®Combo (single USB, 8 cores) 0821-1X1T-43-F PATENTED

DRANGE 2.0V TYP.

DRANGE 610nm TYP.

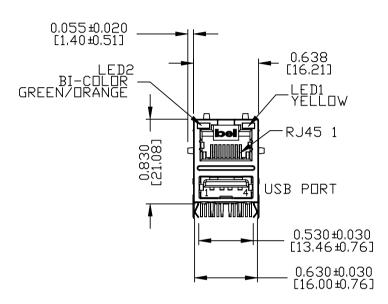
PART NO. / DRAWING NO. 08211X1T43-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS UNIT: INCH [mm]		
FILE NAME	.XX		SCALE: N/A	SIZE : A4	
08211X1T43-F_C.DWG	.XXX		$\bigoplus $	PAGE: 6	



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MECHANICAL SPECIFICATION





RJ45 MECHANICAL:

PLASTIC HOUSING: THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 30 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 Tus ul recognized - file #E196366 AND E169987.

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

2 MARKING "PATENTED".

0.305 [7.76] 0.305 [7.76] 0.205 [5.20] 0.418 [10.62] 0.567 [14.40] 0.667 [16.94] 0.775 [19.69]

USB MECHANICAL:

MATING FORCE: 35 NEWTONS MAXIMUM UNMATING FORCE: 10 NEWTONS MINIMUM CONTACT: PROSPHER BRONZE

30 MIRCO-INCH MIN GOLD PLATING ON

CONTACT AREA AND LEAD-FREE TIN ON SOLDER LEADS.

3. THE PRODUCT IS ROHS COMPLIANT.

4. THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.

ORIGINATED BY	DATE
ANTON LIAO	2012-08-07
DRAWN BY	DATE

gigabit MagJack®Combo (single USB, 8 cores) 0821-1X1T-43-F PATENTED

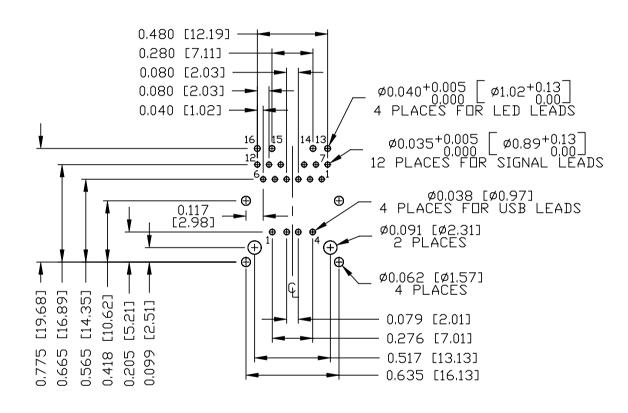
PART NO. / DRAWING NO. 08211X1T43-F		STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS UNIT: INCH [mm]		
t	FILE NAME	.X		SCALE: N/A	SIZE: A4	
	08211X1T43-F_C.DWG	.XXX	±0.010	⊕ □	PAGE: 3	



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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW





ORIGINATED BY	DATE
ANTON LIAO	2012-08-07
DRAWN BY	DATE

TITLE gigabit MagJack ® Combo (single USB, 8 cores) 0821-1X1T-43-F PATENTED

PART NO. / DRAWING NO. 08211X1T43-F	STANDARD DIM. TOL. IN INCH		
FILE NAME	.X		
08211X1T43-F_C,DWG	.XX		
00L11X1143 1 _C,Dwd	.XXX	±0.004	

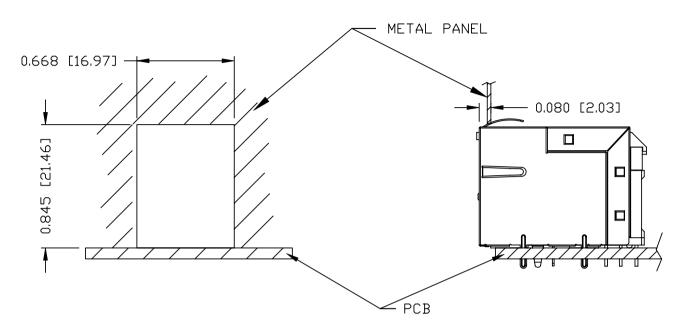
[] METRIC DIM. AS	REFERENCE
UNIT: INCH [mm]	REV. : C
SCALE: N/A	SIZE: A4
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SUGGESTED PANEL OPENING





NOTES:

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 : 0200-0148-48 (TDP)

0200-0148-49 (BOTTOM)

PACKING QUANTITY: 60 PCS FINISHED GOODS PER TRAY

8 TRAYS (480 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 ANTON LIAO	DATE 2012-08-07	TITLE gigabit MagJack®Combo (single USB, 8 cores)	PART NO. / DRAWING NO. 08211X1T43-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS F	
drawn by HE ZHEN	DATE 2012-08-07	0821-1X1T-43-F	FILE NAME 08211X1T43-F_C.DWG	.X .XX ±0.004	SCALE: N/A S	IZE : A4 PAGE : 5

