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RoHS



ELECTRICAL CHARACTERISTICS @ 25°C

Turns Ratio

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

DC @ 100kHz/100mVRMS

8mA DC BIAS	350µH MIN.
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INS. LOSS

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+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz	-30 dB MIN
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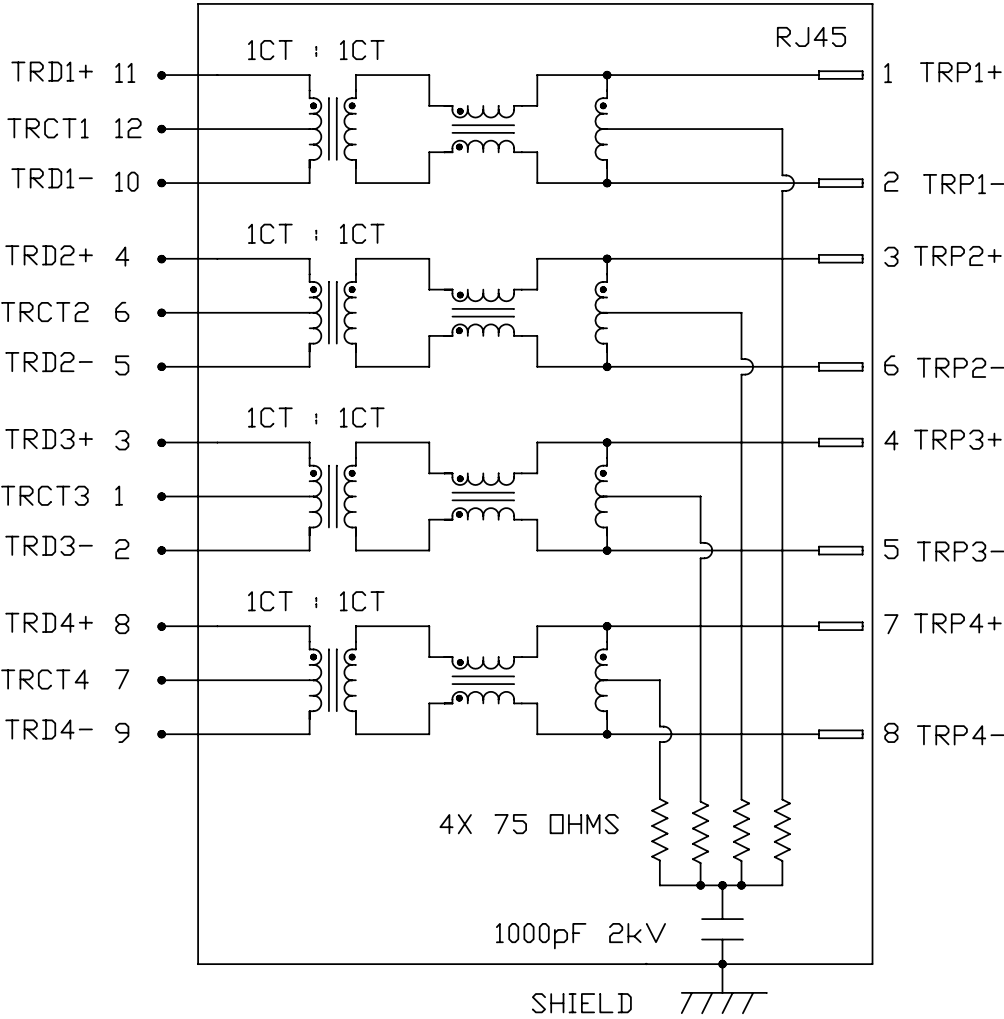
CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

SCHEMATIC

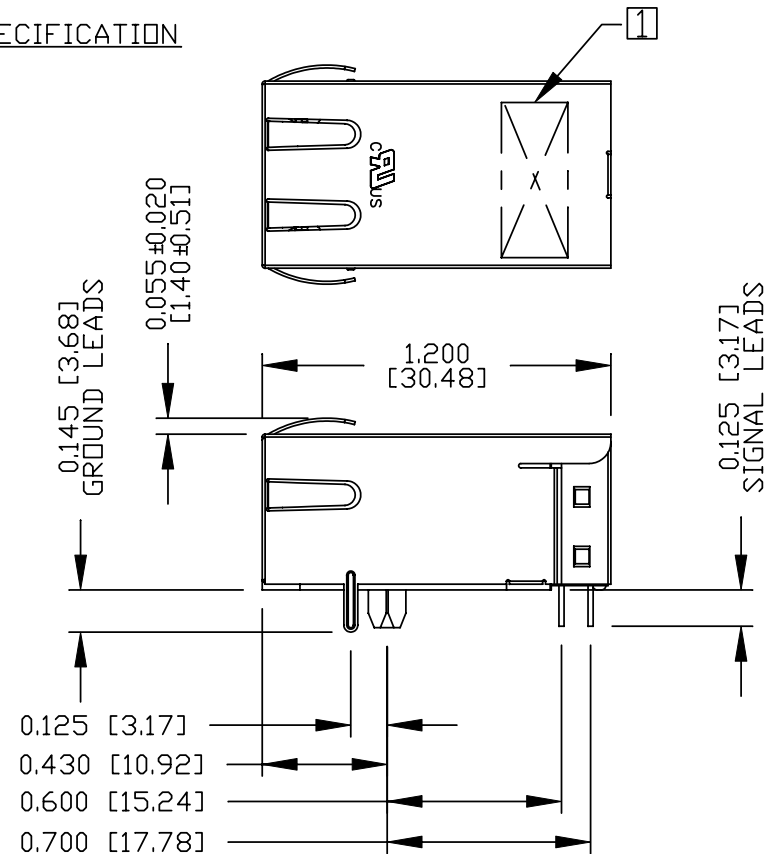
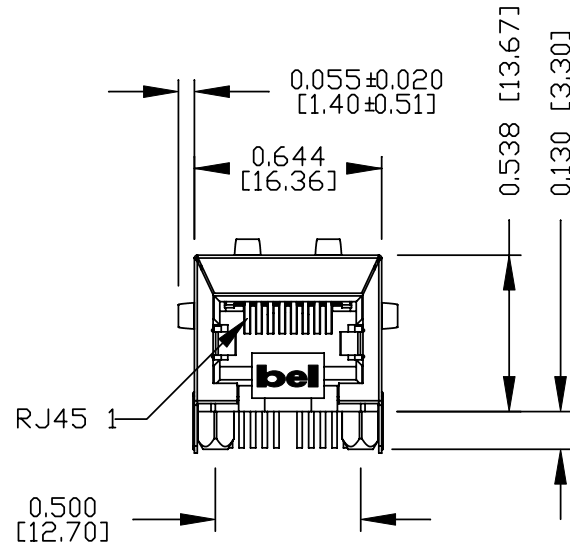


ORIGINATED BY	DATE	TITLE gigabit MagJack® (12 cores, Tab Down) 0813-1X1T-23-F PATENTED	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
CHOW WANCHUNG	2012-07-27		08131X1T23-F	TOL. IN INCH		UNIT : INCH [mm]	REV. : D	
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
TAN QIGUANG	2012-07-27		08131X1T23-F_D.DWG	.XX				
				.XXX			 — 	

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MECHANICAL SPECIFICATION

RoHS



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT,
WITH UNDERPLATING OF 50 MICRO-INCH NICKEL.
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY,
(ALL GROUND LEAD ARE SOLDER DIPPED)
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
- [] MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,
DATE CODE AND PATENTED.

1. THE PRODUCT IS UL RECOGNIZED - FILE #E196366 AND E169987.
2. THE PRODUCT IS RoHS COMPLIANT.
3. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS
U.S. PAT. 5,736,910.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
ANTON LIAO	2012-07-27	gigabit MagJack® (12 cores, Tab Down)	08131X1T23-F	.X	UNIT : INCH [mm] REV. : D
DRAWN BY	DATE	0813-1X1T-23-F PATENTED	FILE NAME	.XX	SCALE : N/A SIZE : A4
HE ZHEN	2012-07-27		08131X1T23-F_D.DWG	.XXX	⊕ PAGE : 3

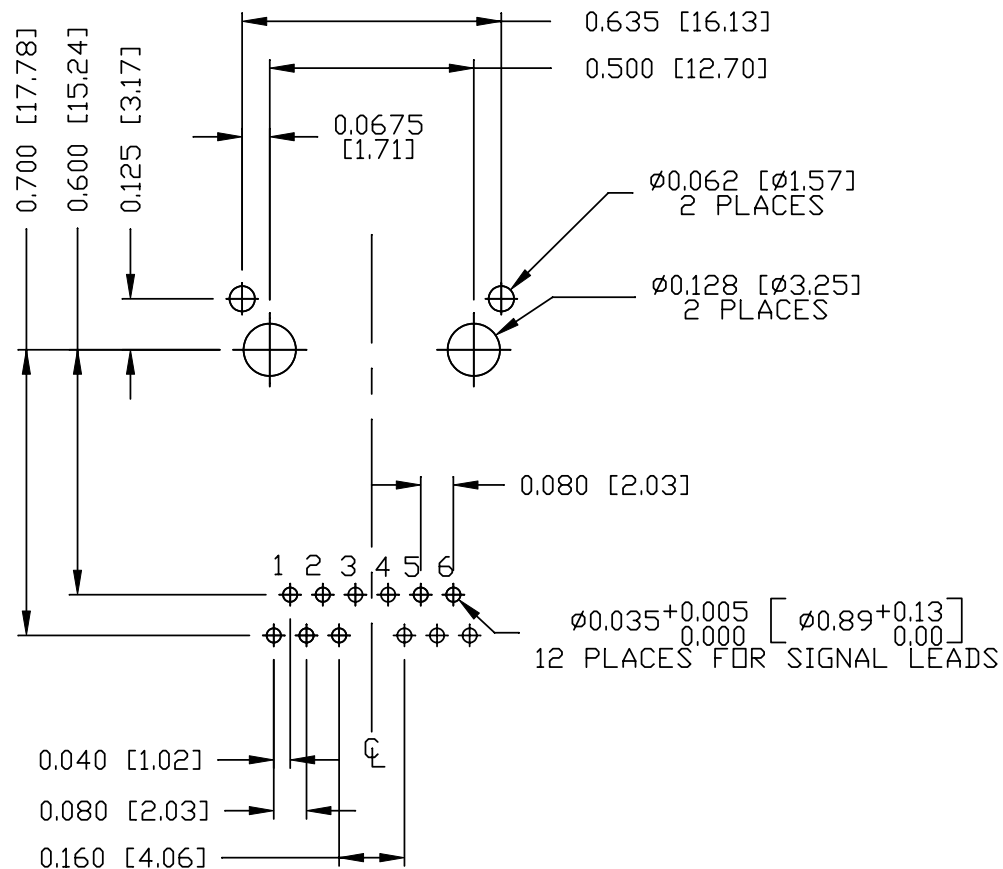
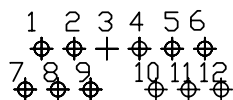
bel
COMPONENTS FOR A
CONNECTED
PLANET

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RECOMMENDED PCB FOOTPRINT

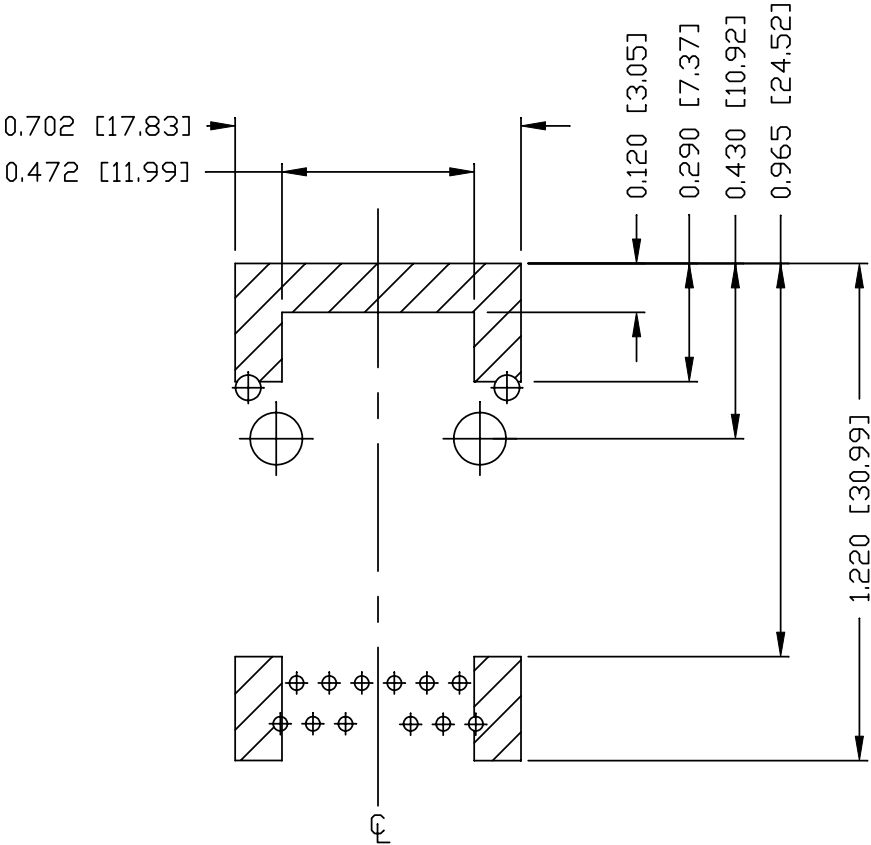
COMPONENT SIDE VIEW

RoHS



ORIGINATED BY ANTON LIAO	DATE 2012-07-27	TITLE glgabit MagJack® (12 cores, Tab Down) 0813-1X1T-23-F PATENTED	PART NO. / DRAWING NO. 08131X1T23-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
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DRAWN BY HE ZHEN	DATE 2012-07-27		FILE NAME 08131X1T23-F_D.DWG	.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 4	

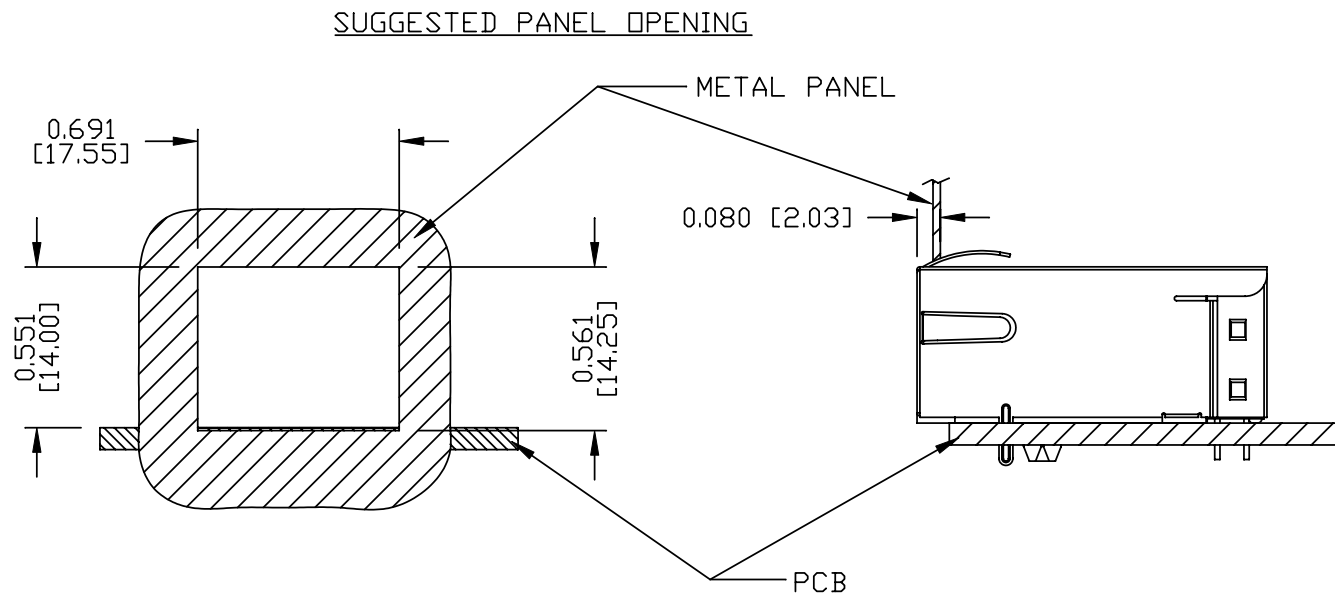
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NOTES

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

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DRAWN BY	DATE				.XX		SCALE : N/A	SIZE : A4	
HE ZHEN	2012-07-27				.XXX	±0.004		PAGE : 5	



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 : 0200-9999-F1(TOP)

0200-9999-F2(BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY

10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

NOTES: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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HE ZHEN	2012-07-27			.XXX ±0.004	PAGE : 6



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.