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LED1 POLARITY			LED2 POLARITY		
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR
-	+	YELLOW	+	-	ORANGE
			-	+	GREEN

#### ELECTRICAL CHARACTERISTICS @ 25°C

##### TURNS RATIO

TP1	1CT : 1CT $\pm 2\%$
TP2	1CT : 1CT $\pm 2\%$
TP3	1CT : 1CT $\pm 2\%$
TP4	1CT : 1CT $\pm 2\%$

□CL @ 100kHz/100mVRMS  
8mA DC BIAS

350 $\mu$ H MIN.

##### 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

##### CROSS TALK

100kHz - 100MHz	-33+20LOG(f/100MHz)dB MIN
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##### 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):

2250 VDC

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

##### LED 1

VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

AD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

##### LED 2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

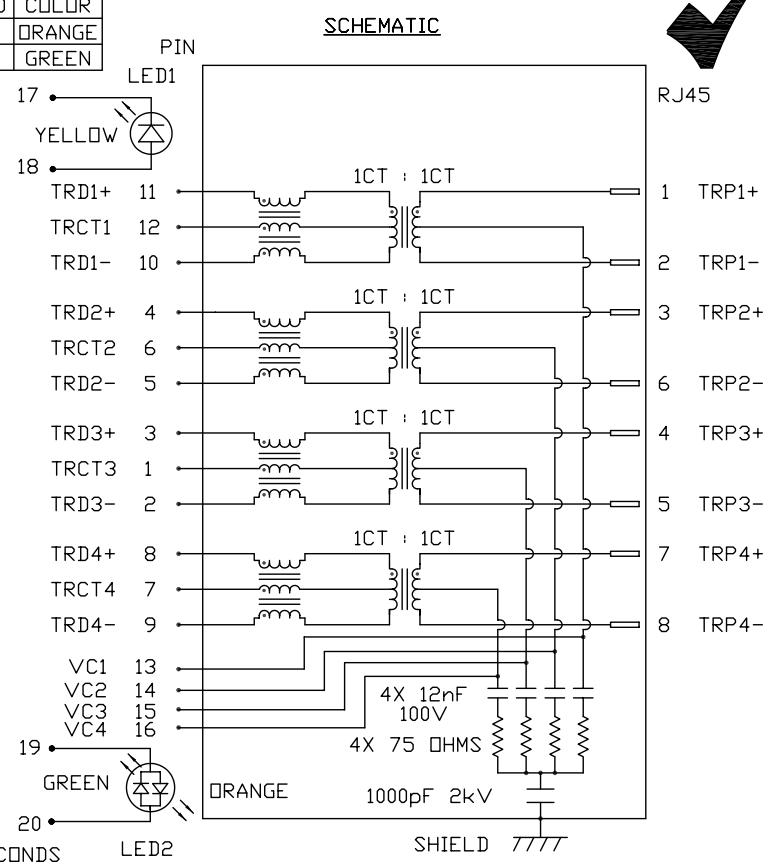
AD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.

ORANGE 610nm TYP.

##### BALANCED DC LINE CURRENT

350 mA MAX. @ 57 VDC CONTINUOUS

500 mA MAX. @ 57 VDC FOR 200 MILLISECONDS



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE		FILE NAME		UNIT : INCH [mm]	REV. : A
CHUNG	03-15-07	gigabit MagJack® (VQIP)	08261X1T-M1-F	.X		
DE	03-15-07	08261X1T-M1-F	08261X1T-FA.DWG	.XX	SCALE : N/A	SIZE : A4
				XXX		PAGE : 2



COMPONENTS  
ON A  
CONNECTED  
PLANET

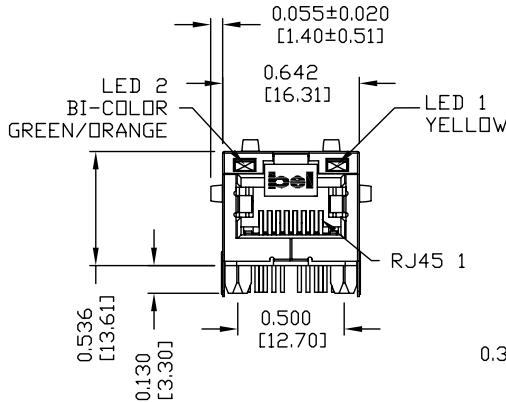
DC002(2)032305

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RoHS  
2002/95/EC

MECHANICAL SPECIFICATION



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA 46

FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.016 AND DIA 0.018 INCH.

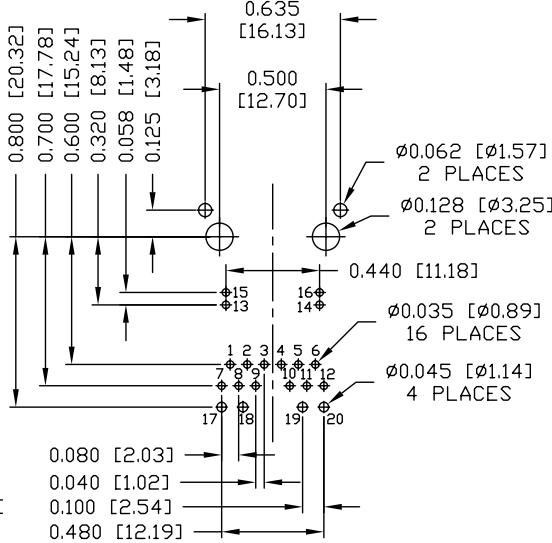
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

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

UL RECOGNIZED - FILE #E196366 AND E169987.  
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC  
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

RECOMMENDED PCB FOOTPRINT  
COMPONENT SIDE VIEW



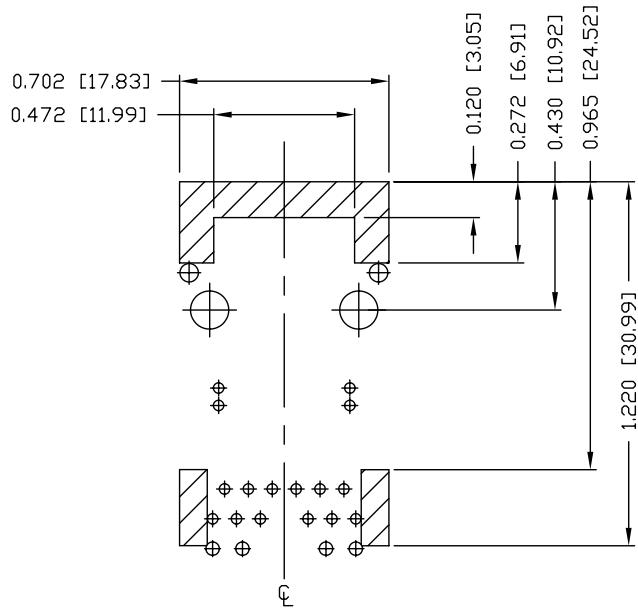
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO. 08261X1TM1-F	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE	
DRAWN BY	DATE				UNIT : INCH [mm]	REV. : A
BILL	03-15-07	gigabit MagJack® (VOIP) 0826-1X1T-M1-F	FILE NAME 08261X1TM1-FA.DWG	.X		
QIN	03-15-07			.XX	SCALE : N/A	SIZE : A4
				XXX	±0.010	PAGE : 3

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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 BILL	DATE 03-15-07	TITLE gigabit MagJack® (VQIP)	PART NO. / DRAWING NO. 08261X1TM1-F	STANDARD DIM. TOL. IN INCH	<input type="checkbox"/> METRIC DIM. AS REFERENCE
DRAWN BY QIN	DATE 03-15-07		FILE NAME 08261X1TM1-FA.DWG	.X .XX .XXX	UNIT : INCH [mm] REV. : A SCALE : N/A SIZE : A4 ±0.004

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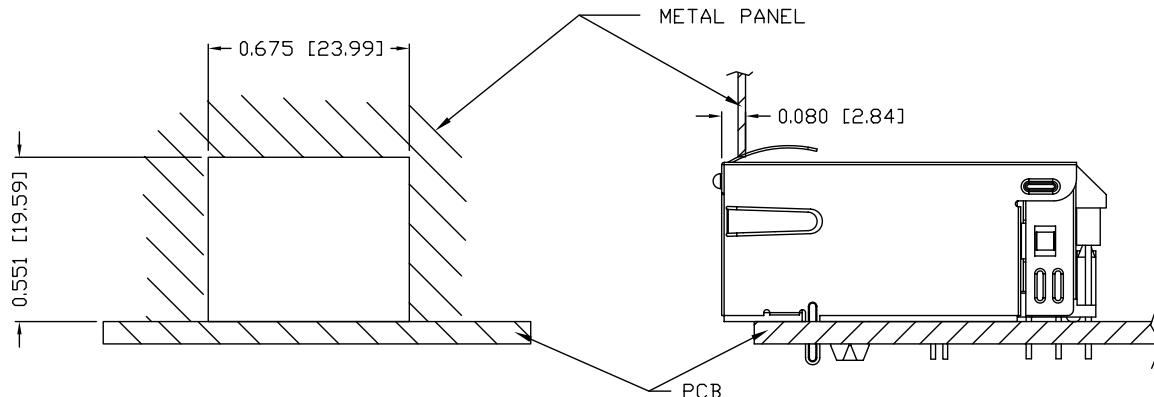
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SUGGESTED PANEL OPENING



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)

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DRAWN BY QIN	DATE 03-15-07		FILE NAME 08261X1TM1-FA.DWG		

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