



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
+	-	GREEN	+	-	YELLOW

ELECTRICAL CHARACTERISTICS @ 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 350µH MIN.

INS. LOSS

100kHz TO 125MHz -1.2 dB MAX

RET. LOSS (MIN)

0.5MHz-40MHz -18 dB
40MHz-100MHz -12+20LOG(f/80MHz) dB

CROSS TALK:

Ch1-Ch2,Ch1-Ch3,Ch1-Ch4,Ch2-Ch3,Ch2-Ch4,Ch3-Ch4

1MHz - 30MHz -35 dB MIN

30MHz - 80MHz -24 dB MIN

80Hz - 100MHz -25 dB MIN

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

LED 1

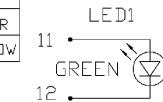
VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

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

LED 2

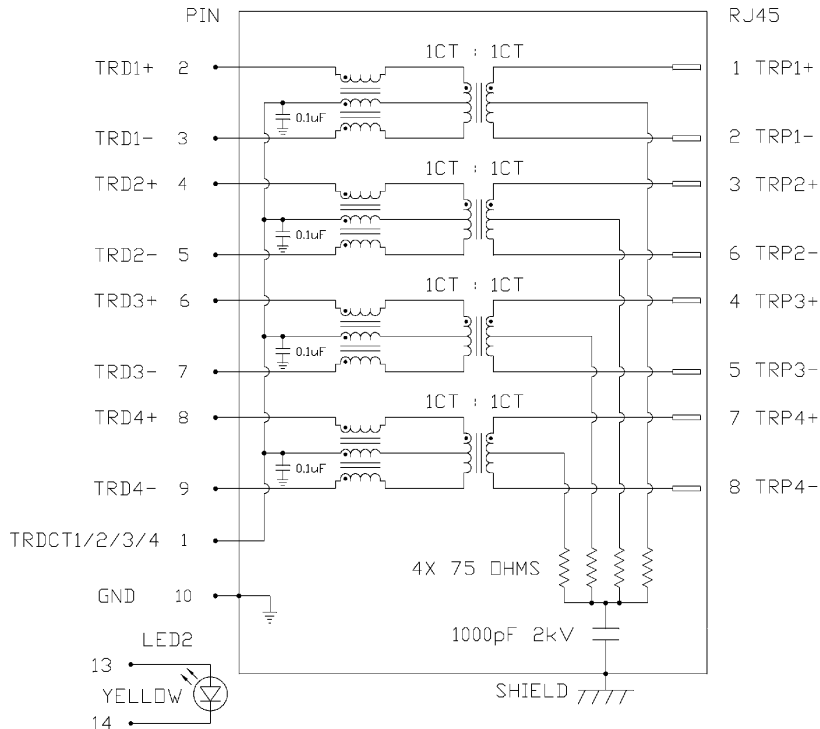
VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.

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



PRELIMINARY

SCHEMATIC

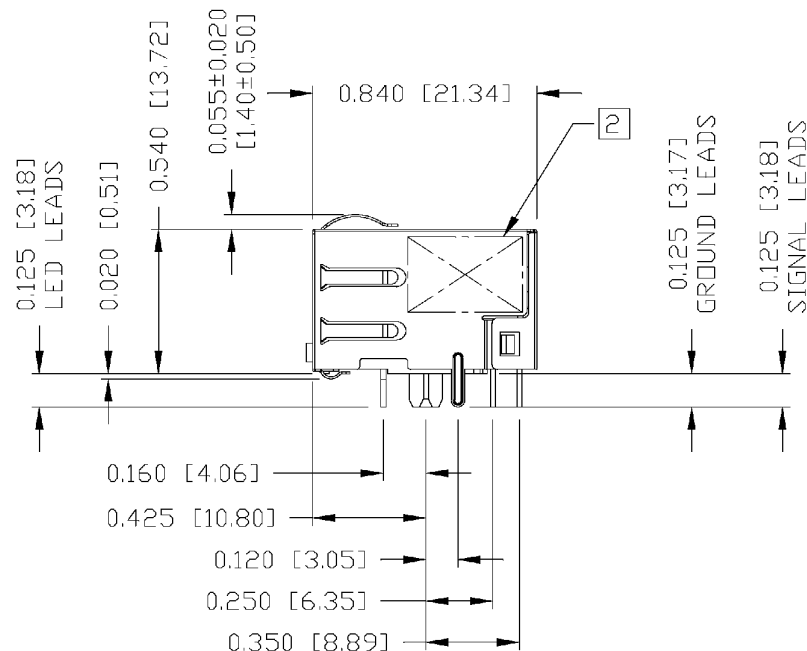
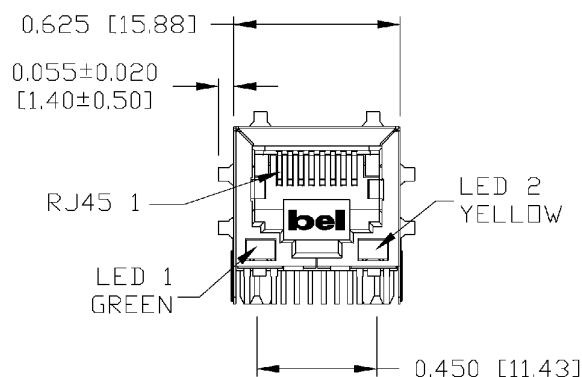
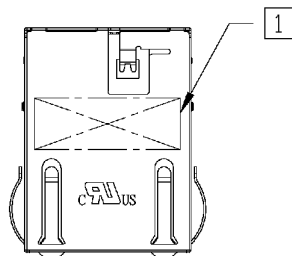


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHOW WC	10-17-07	Gigabit MagJack® (WITH LED)	SI-61020-F	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
LEE WEIDE	10-17-07		SI-61020-F_PA.DWG	.XXX	PAGE : 2



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PRELIMINARY



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

1 MARK PART WITH MFG PART NUMBER (SI-61020-F), DATE CODE.

2 MARK PART WITH MFG LOGO, MFG NAME.

3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

4. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

c UL RECOGNIZED - FILE #E132408.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
					UNIT : INCH [mm]	REV. : PA
LIU QIN	10-17-07	Gigabit MagJack® (WITH LED)	SI-61020-F	.X	SCALE : N/A	SIZE : A4
DRAWN BY	DATE		FILE NAME	.XX		PAGE : 3
CHEN TING	10-17-07		SI-61020-F_PA.DWG	.XXX		

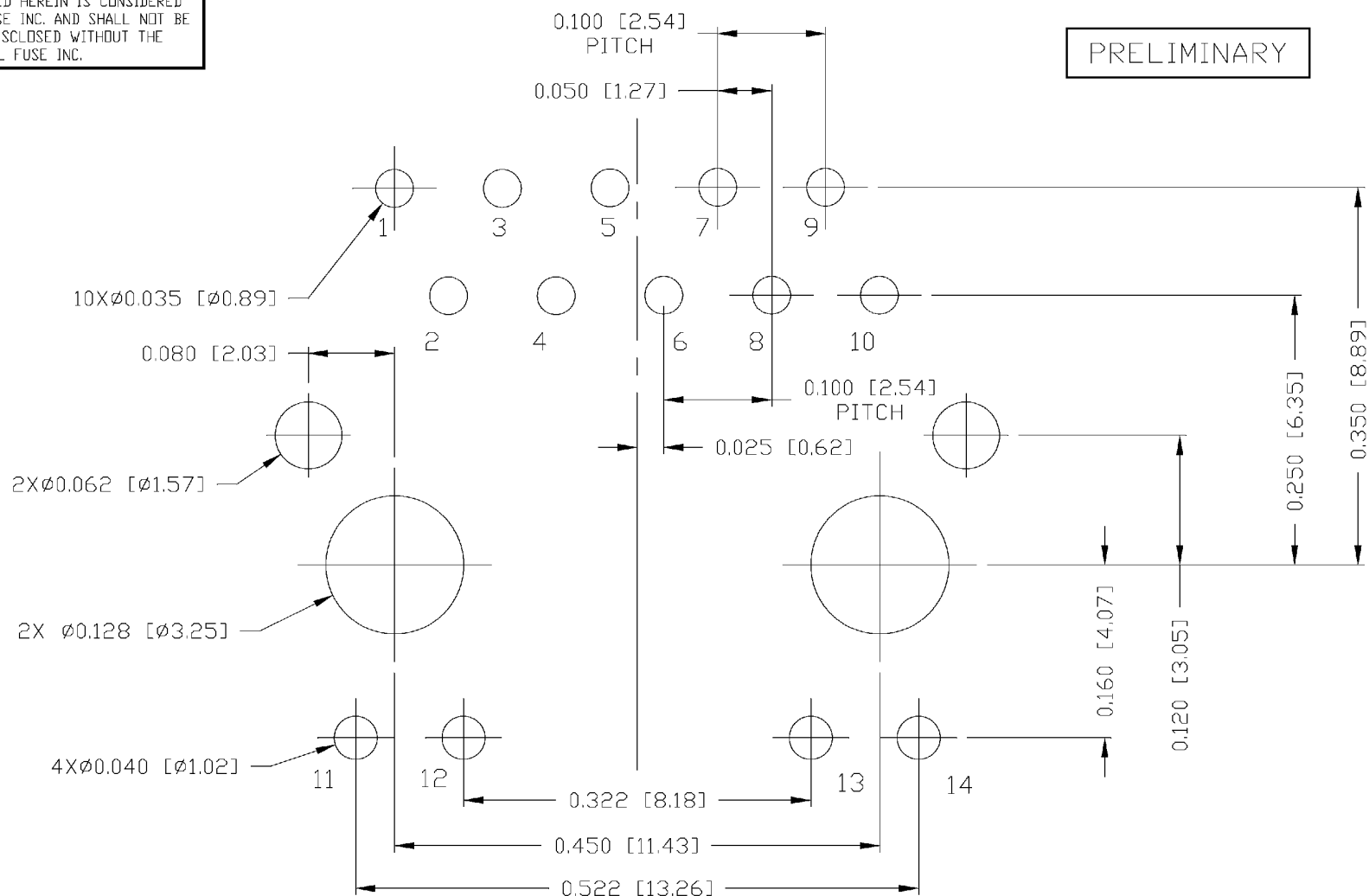


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RoHS
2002/95/EC



PRELIMINARY



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

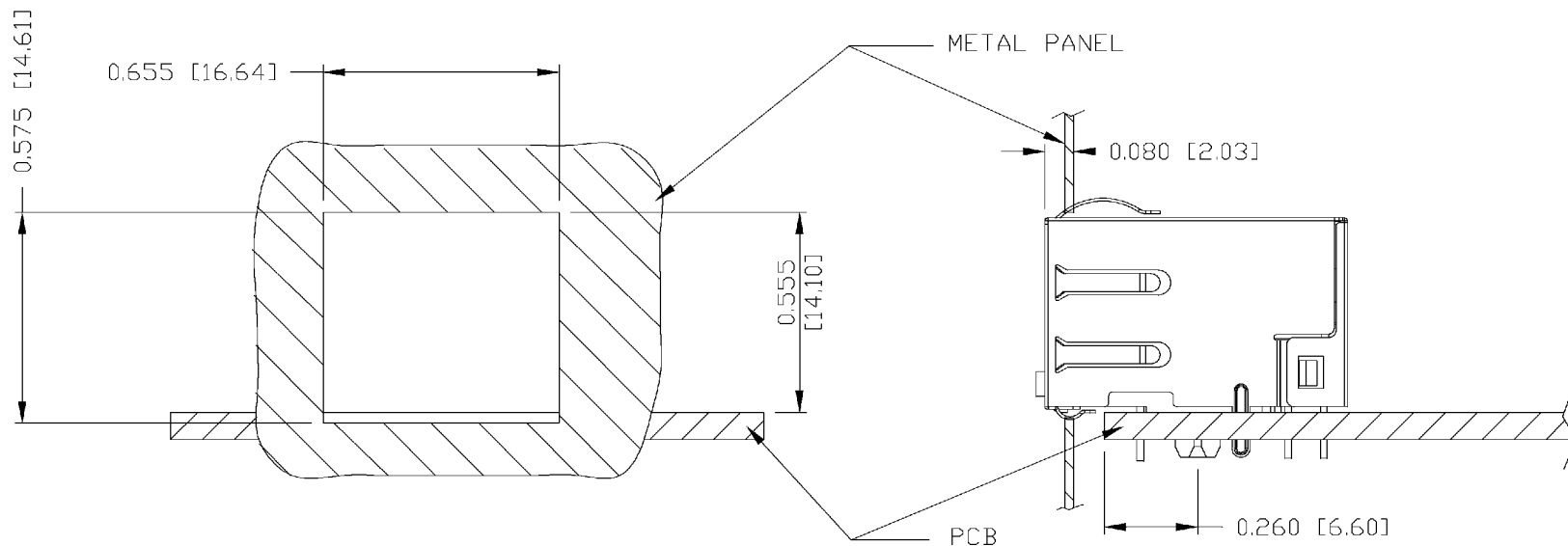
ORIGINATED BY LIU QIN	DATE 10-17-07	TITLE Gigabit MagJack® (WITH LED)	PART NO. / DRAWING NO. SI-61020-F	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
DRAWN BY CHEN TING	DATE 10-17-07		FILE NAME SI-61020-F_PA.DWG	.X .XX .XXX	UNIT : INCH [mm] SCALE : N/A	REV. : PA SIZE : A4 PAGE : 4



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SUGGESTED PANEL OPENING

PRELIMINARY



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-Q7 (TOP)

0200-9999-Q8 (BOTTOM)

PACKING QUANTITY : 80 PCS FINISHED GOODS PER TRAY

10 TRAYS (800 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	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
LIU QIN	10-17-07	Gigabit MagJack® (WITH LED)	SI-61020-F		UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	SIZE : A4
CHEN TING	10-17-07		SI-61020-F_PA.DWG	.XX .XXX ±0.004	PAGE : 5	

