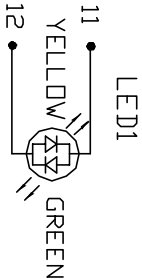


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LED1 POLARITY			LED2 POLARITY	
PIN 11	PIN 12	COLOR	PIN 13	PIN 14
-	+	YELLOW	-	+
+	-	GREEN	+	-



SCHEMATIC

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

TURN'S RATIO

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

DCL @ 100kHz/100mVRMS

8mA DC BIAS
350μH MIN.

DC RESISTANCE:

<RJ1-RJ2>(<RJ3-RJ6>
<RJ4-RJ5>(<RJ7-RJ8>
1.2 ohms Max.
1.2 ohms Max.

INS. LOSS

100kHz TO 100MHz
-1.1 dB MAX

RET. LOSS (MIN)

1MHz-30MHz
30MHz-100MHz
-18 dB
-12+20LOG(f/80MHz) dB

CROSS TALK:

1MHz - 60MHz
60Hz - 100MHz
-35 dB MIN
-25 dB MIN

CM TO CM REJ

100kHz - 100MHz
-35 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms or 2250VDC

LED1 AND LED 2

VF FORWARD VOLTAGE) IF=20mA
YELLOW 2.1V TYP.
GREEN 2.2V TYP.

λD DOMINANT WAVELENGTH) IF=20mA
YELLOW 565nm TYP.
GREEN 590nm TYP.

ORIGINATED BY	DATE	TITLE
CHUNG	05-18-06	

DRAWN BY	DATE
DE	05-18-06

Gigabit MagJack®

PART NO. / DRAWING NO.

SI-61008-F

STANDARD DIM.

TOL. IN INCH

[] METRIC DIM. AS REFERENCE

UNIT : INCH [mm] REV. : PA

FILE NAME

SI61008FPADWG

.X

.XX

.XXX

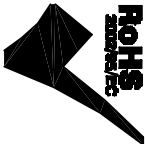
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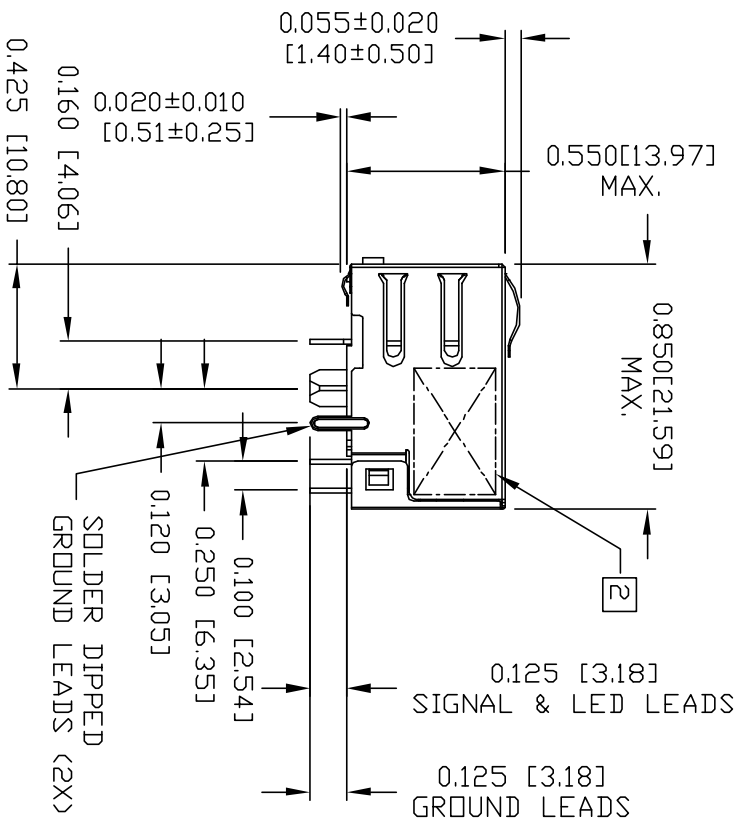
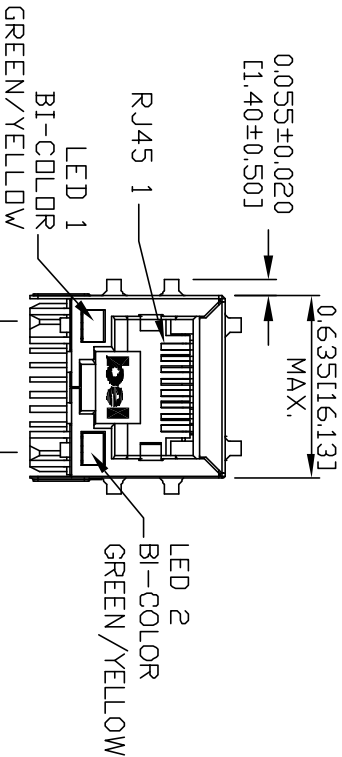
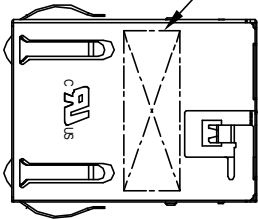
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PRELIMINARY



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.
NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
- 1 MARK PART WITH MFG PART NUMBER(SI-61008-F), DATE CODE.
- 2 MARK PART WITH MFG LOGO, MFG NAME.
3. ROHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
- us** BEL RECOGNIZED - FILE #E132408.

ORIGINATED BY	DATE	TITLE
BILL/KEATING	05-18-06	
DRAWN BY	DATE	
WEIGH	05-18-06	

Gigabit MagJack®

PART NO. / DRAWING NO.
SI-61008-F
FILE NAME
SI61008FPA.DWG

STANDARD DIM.	TOL. IN INCH
.X	
.XX	
.XXX	±0.010

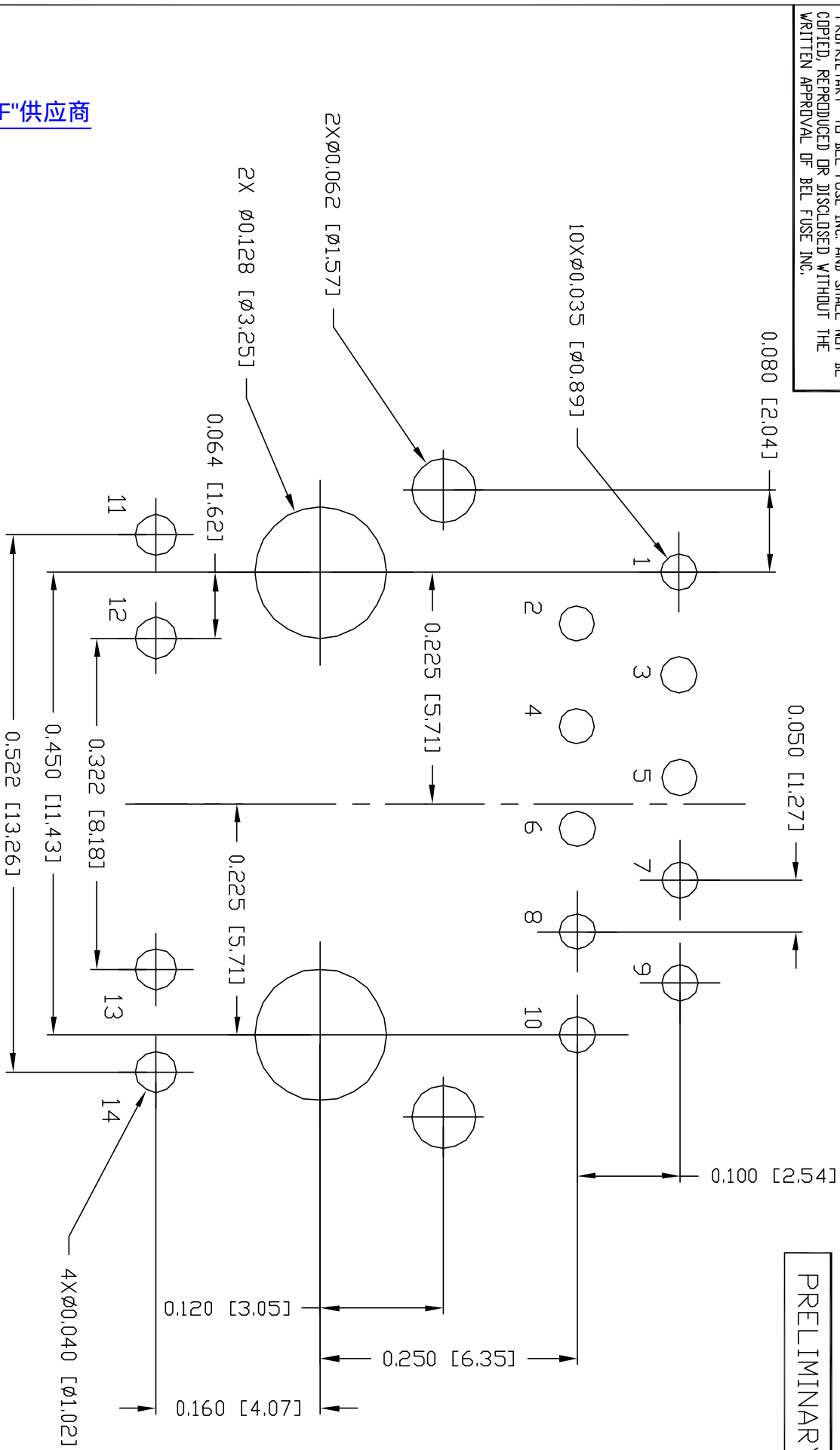
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PRELIMINARY



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

ORIGINATED BY
DATE
05-18-06

TITLE
Gigabit MagJack ®

PART NO. / DRAWING NO.
SI-61008-F

STANDARD DIM.
TOL. IN INCH

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

DRAWN BY
DATE
05-18-06

FILE NAME
SI61008FPA.DWG

.X
.XX
.XXX
±0.004

SCALE : N/A
PAGE : 4

SIZE : A4
PAGE : 4



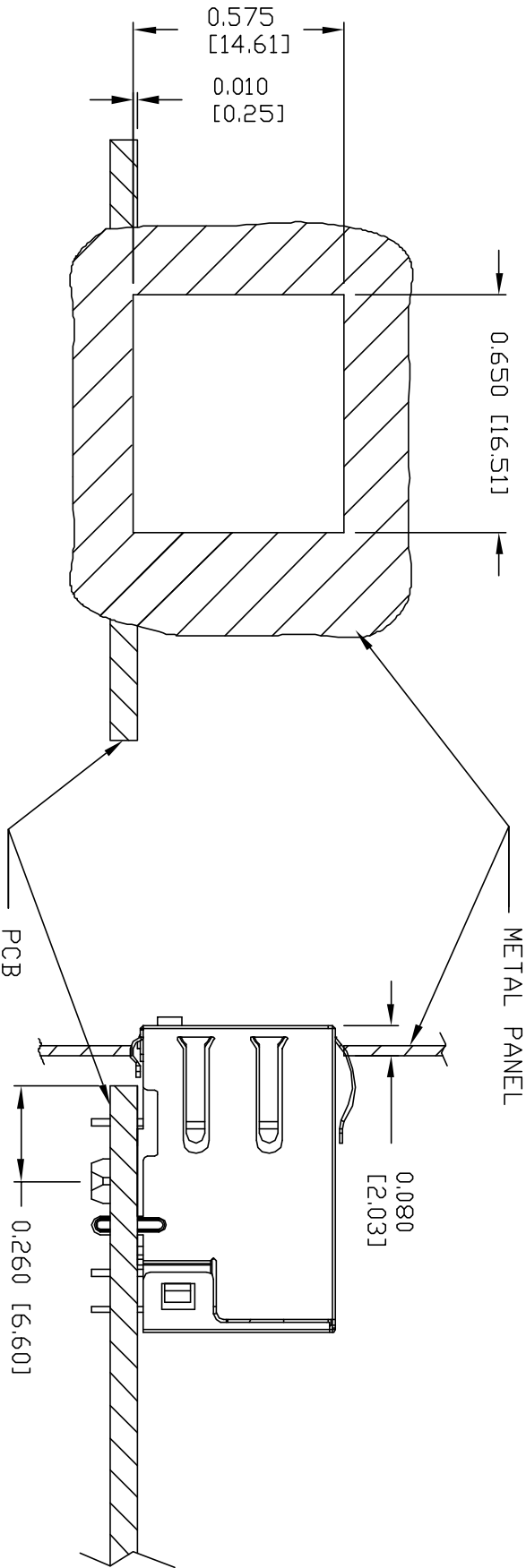
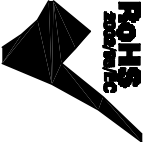
DC0002(2)032305

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SUGGESTED PANEL OPENING

PRELIMINARY



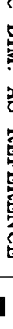
NOTES:

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 : 77 PCS FINISHED GOODS PER TRAY
10 TRAYS (770 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.		[] METRIC DIM. AS REFERENCE			 COMPONENTS CONNECTIONS PLANNING	
BILL/KEYING	05-18-06	Gigabit MagJack®		SI-61008-F		TOL. IN INCH		UNIT : INCH [mm]				REV. : PA
DRAWN BY	DATE			FILE NAME		.X		SCALE : N/A				SIZE : A4
WEIGH	05-18-06			SI61008FPA.DWG		.XX						PAGE : 5
						.XXX						±0.005

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