

THE INFORMATION CONTAINED HEREIN IS CONSIDERED
"PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE
COPIED, REPRODUCED OR DISCLOSED WITHOUT THE
WRITTEN APPROVAL OF BEL FUSE INC.

LED1 POLARITY			LED2 POLARITY		
PIN 7	PIN 8	COLOR	PIN 9	PIN 10	COLOR
-	+	GREEN	-	+	GREEN

PRELIMINARY

RoHS
2002/95/EC



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

TX

1CT : 1

RX

1CT : 1

□CL @ 100kHz/100mVRMS

8mA DC BIAS

350μH MIN.

INS. LOSS

1MHz TO 100MHz

-1.0 dB MAX

RET. LOSS (MIN)

1MHz-30MHz

-18 dB

30MHz-60MHz

-18+20LOG(F/30MHz) dB

60MHz-80MHz

-12 dB

CROSS TALK (TX - RX)

500kHz-1MHz

-70 dB MIN

10 MHz

-50 dB MIN

30 MHz

-45 dB MIN

50 MHz

-40 dB MIN

100 MHz

-35 dB MIN

CM TO CM REJ

100kHz-1MHz

-70 dB MIN

10 MHz

-47 dB MIN

30 MHz

-42 dB MIN

60 MHz

-37 dB MIN

100 MHz

-30 dB MIN

CM TO DM REJ

100kHz-1MHz

-70 dB MIN

10 MHz

-60 dB MIN

30 MHz

-50 dB MIN

60 MHz

-45 dB MIN

100 MHz

-40 dB MIN

HIPOT (Isolation Voltage):

1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY

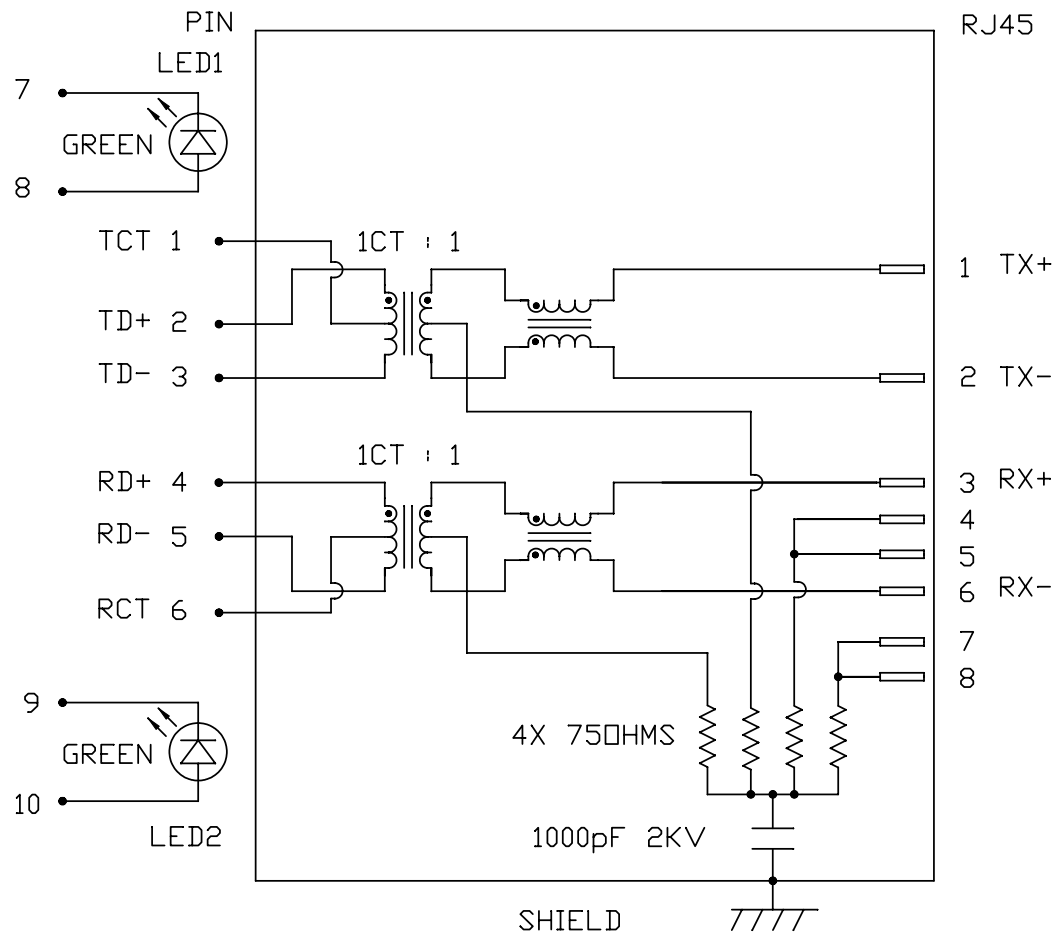
WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED1 and LED2

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

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

SCHEMATIC

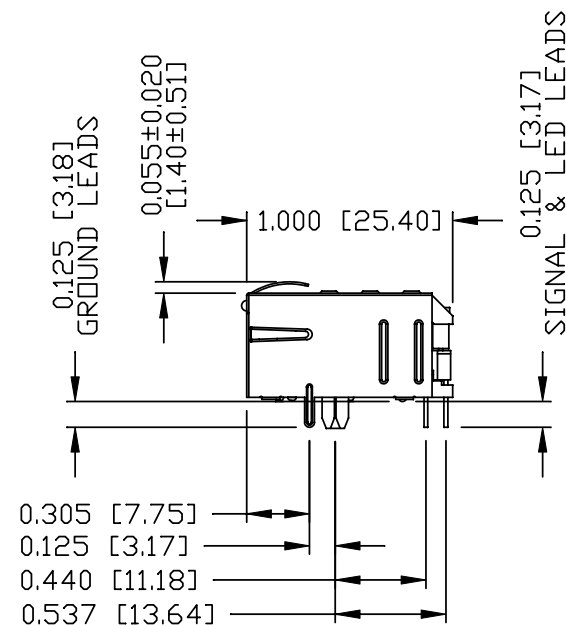
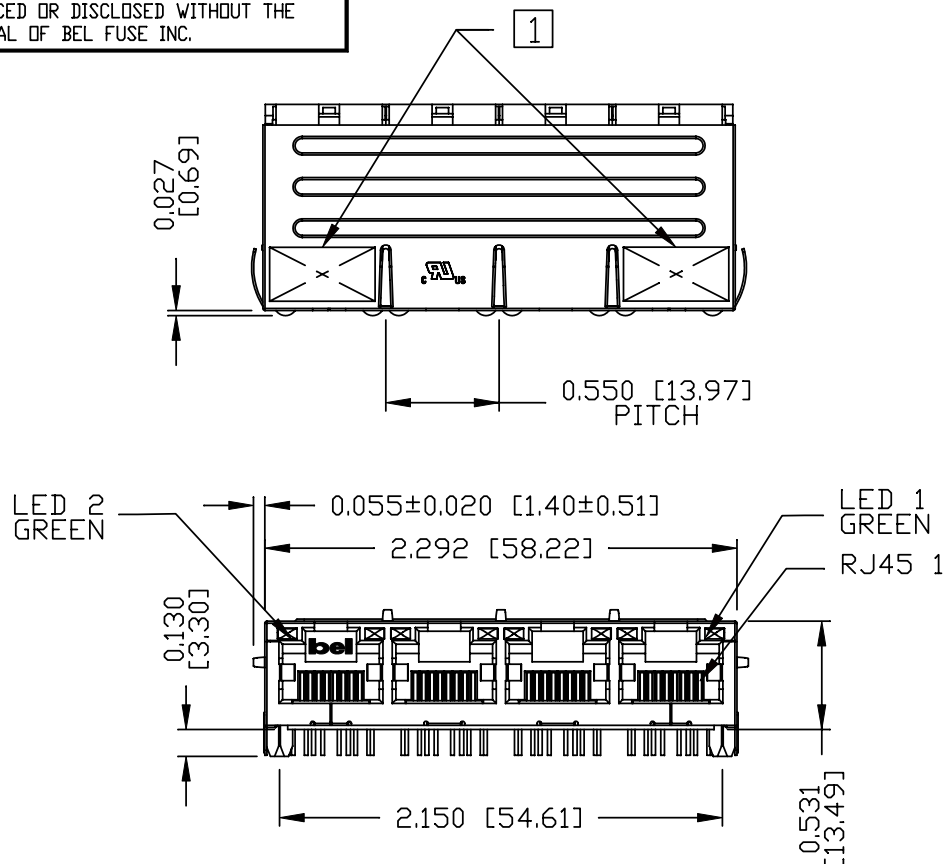


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	
CHOW WANGCHUNG	10-27-08	1X4 MagJack®	08B01G4T06-F	TOL. IN INCH	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.X	SCALE : N/A	SIZE : A4
LEE WEIDE	10-27-08	08B0-1G4T-06-F	08B01G4T06-F_PA.DWG	.XX		PAGE : 2
				.XXX		



THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 15 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 LOGO, MFG NAME, PART NUMBER, AND DATE CODE.



UL RECOGNIZED - FILE #E196366 AND E169987.

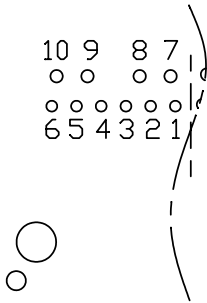
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
CHEN BILL	10-27-08	1X4 MagJack®	08B01G4T06-F	.X	UNIT : INCH [mm]	REV. : PA
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.XX	SCALE : N/A	SIZE : A4
XIAN JIAXIN	10-27-08	08B0-1G4T-06-F	08B01G4T06-F_PA.DWG	.XXX ±0.010		PAGE : 3

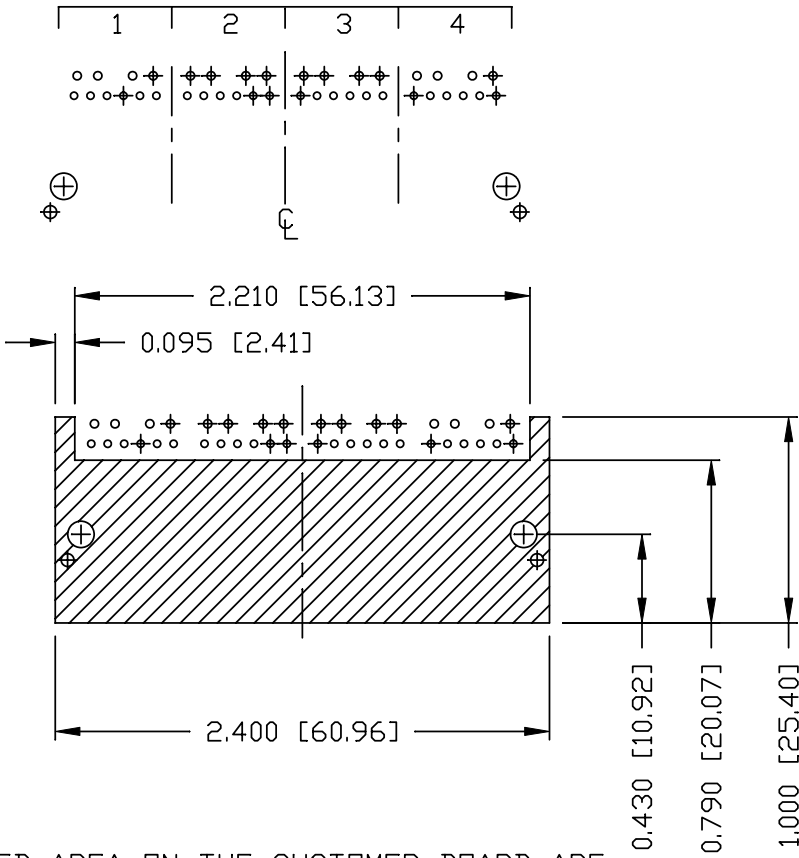


PIN ASSIGNMENT - EACH PORT
COMPONENT SIDE VIEW



6	RCT
5	RD -
4	RD +
3	TD -
2	TD +
1	TCT

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

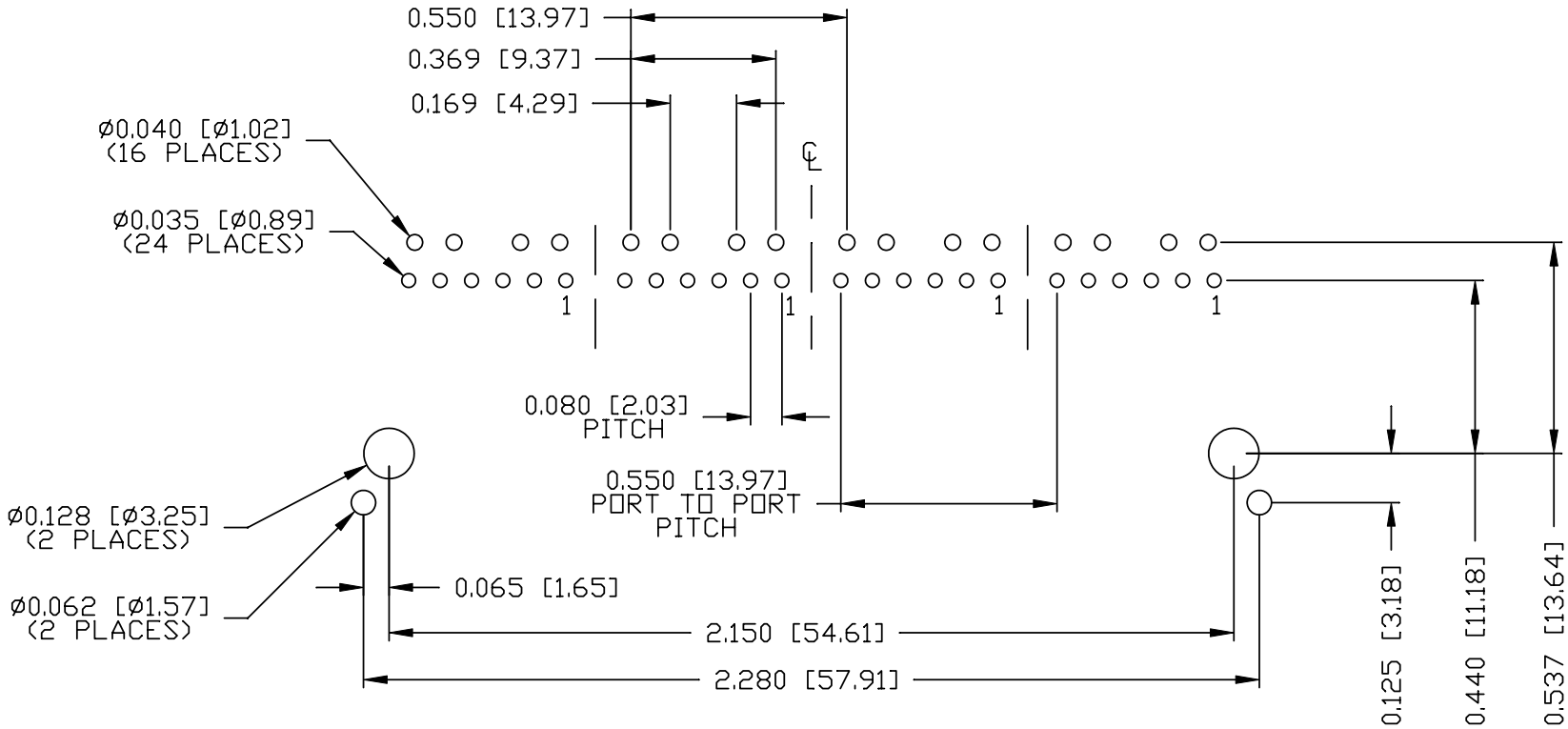


THE SHADED AREA ON THE CUSTOMER BOARD ARE
RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR
COMPONENT PAD.

ORIGINATED BY CHEN BILL	DATE 10-27-08	TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination)	PART NO. / DRAWING NO. 08B01G4T06-F	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A PAGE : 4	REV. : PA SIZE : A4	bel COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 10-27-08	FILE NAME 08B01G4T06-F_PA.DWG					



RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



ORIGINATED BY CHEN BILL	DATE 10-27-08	TITLE 1X4 MagJack® (4 Cores, MDIX, CM Termination) 08B0-1G4T-06-F	PART NO. / DRAWING NO. 08B01G4T06-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE		 bel COMPONENTS ON A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 10-27-08		FILE NAME 08B01G4T06-F_PA.DWG	.X		UNIT : INCH [mm]	REV. : PA	
				.XX		SCALE : N/A	SIZE : A4	
				.XXX	±0.004		PAGE : 5	



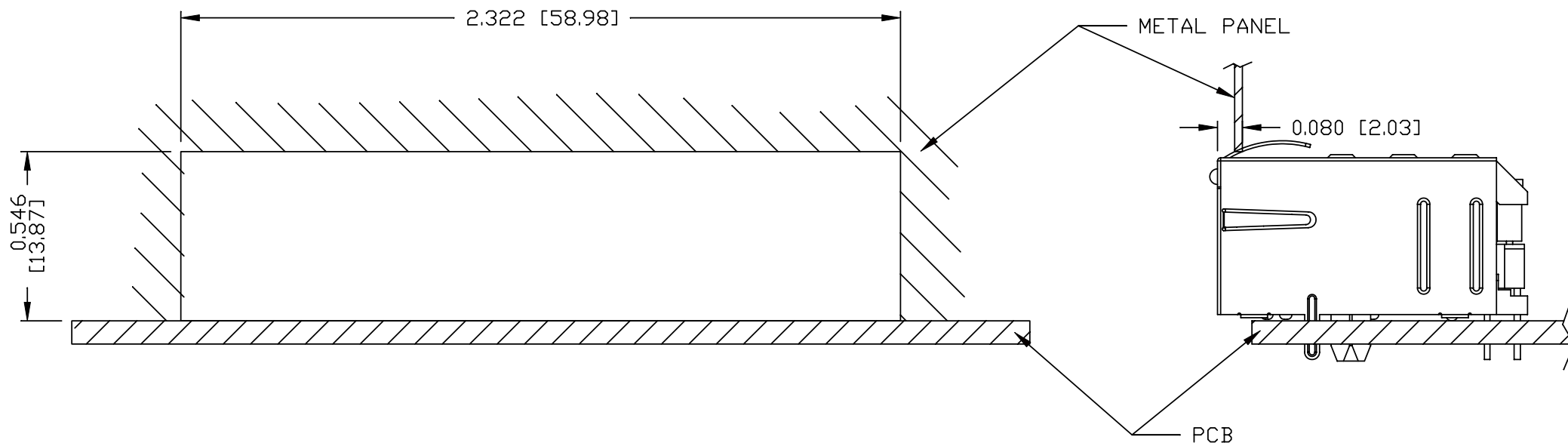
THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

PRELIMINARY

RoHS
2002/95/EC



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 : 0200-0148-17

PACKING QUANTITY : 30 PCS FINISHED GOODS PER TRAY.

10 TRAYS (300 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
CHEN BILL	10-27-08	1X4 MagJack®	08B01G4T06-F	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE	(4 Cores, MDIX, CM Termination)	FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	10-27-08	08B0-1G4T-06-F	08B01G4T06-F_PA.DWG	.XXX ±0.004	⊕ PAGE : 6

