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LED 1 POLARITY			LED 2 POLARITY		
PIN 17	PIN 18	COLOR	PIN 19	PIN 20	COLOR
-	+	YELLOW	+	-	ORANGE
			-	+	GREEN

PRELIMINARY



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

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

OCL @ 100kHz/100mVRMS (4CHANNEL)

11mA DC BIAS 350μH MIN.

Compliant to IEEE 802.3at specification

INS. LOSS

0.1MHz TO 1MHz	-1.1 dB MAX
1MHz TO 65MHz	-0.8 dB MAX
65MHz TO 100MHz	-1.0 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

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 2250 VDC

100% OF PRODUCTION TESTED TO COMPLY

WITH IEEE 802.3 ISOLATION REQUIREMENTS

BALANCED DC LINE CURRENT 720 mA MAX. @ 57 VDC CONTINUOUS

1.2 A MAX. @ 57 VDC FOR 200 MILLISECONDS

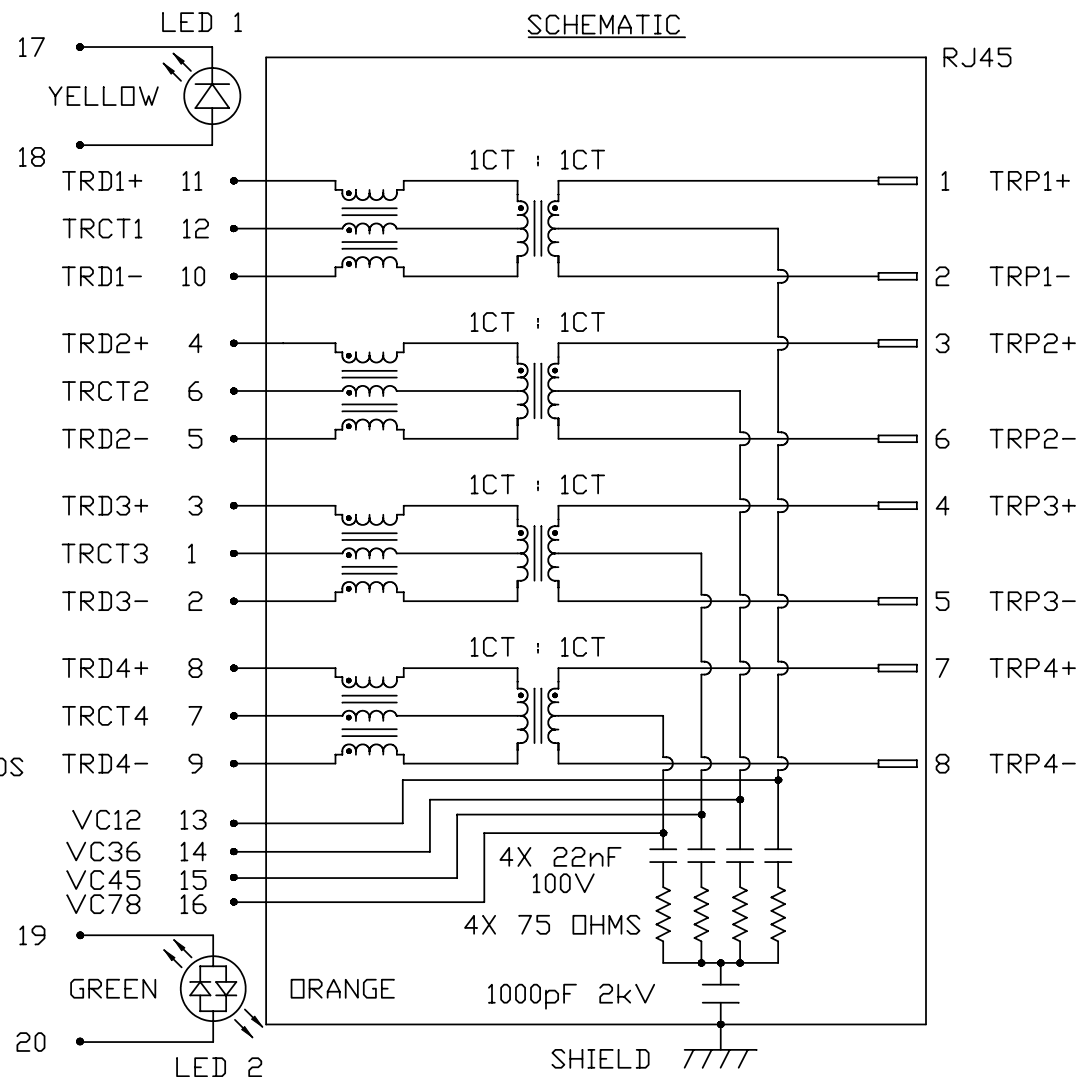
LED 1

V _F (FORWARD VOLTAGE)	IF=20mA YELLOW 2.1V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA YELLOW 590nm TYP.

LED 2

V _F (FORWARD VOLTAGE)	IF=20mA GREEN 2.2V TYP.
	ORANGE 2.0V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA GREEN 565nm TYP.
	ORANGE 610nm TYP.

OPERATING TEMPERATURE: -40°C TO 85°C



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
WANCHUNG CHOW	10-20-10	Gigabit MagJack® (PoEp, Extended Temperature)	08261X2TGH-F	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE	0826-1X2T-GH-F	FILE NAME	.XX	SCALE : N/A SIZE : A4
TAN QIGUANG	10-20-10	PATENTED	08261X2TGH-F_PA.DWG	.XXX	PAGE : 2



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PRELIMINARY

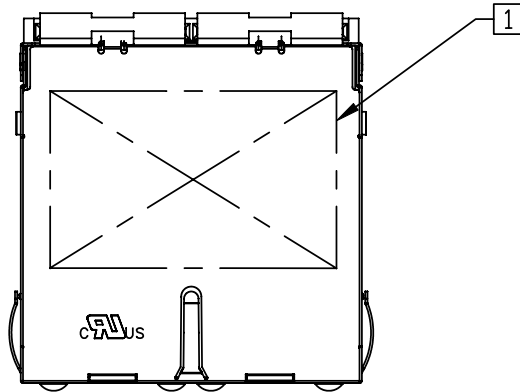
RoHS
2002/95/EC



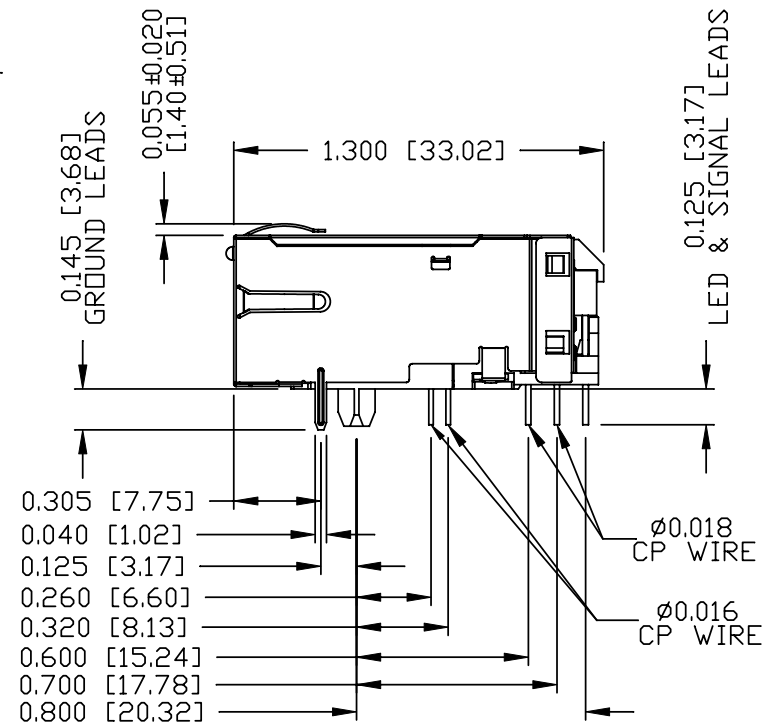
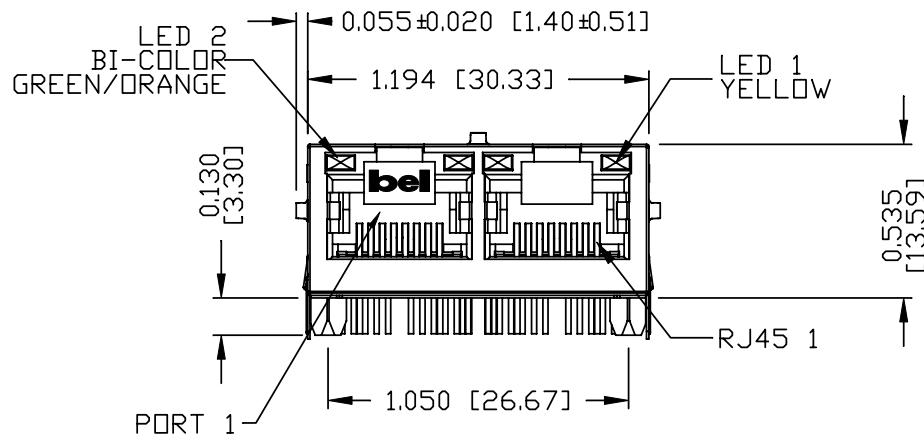
NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA
FLAMMABILITY RATING UL 94V-0
CONTACTS: 50 MICRO-INCH HARD GOLD PLATING
OUTPUT 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, DATE CODE AND PATENTED.
2. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 5,736,910 AND U.S. PAT. 7,123,117.



CURRENTLY NO TOOL



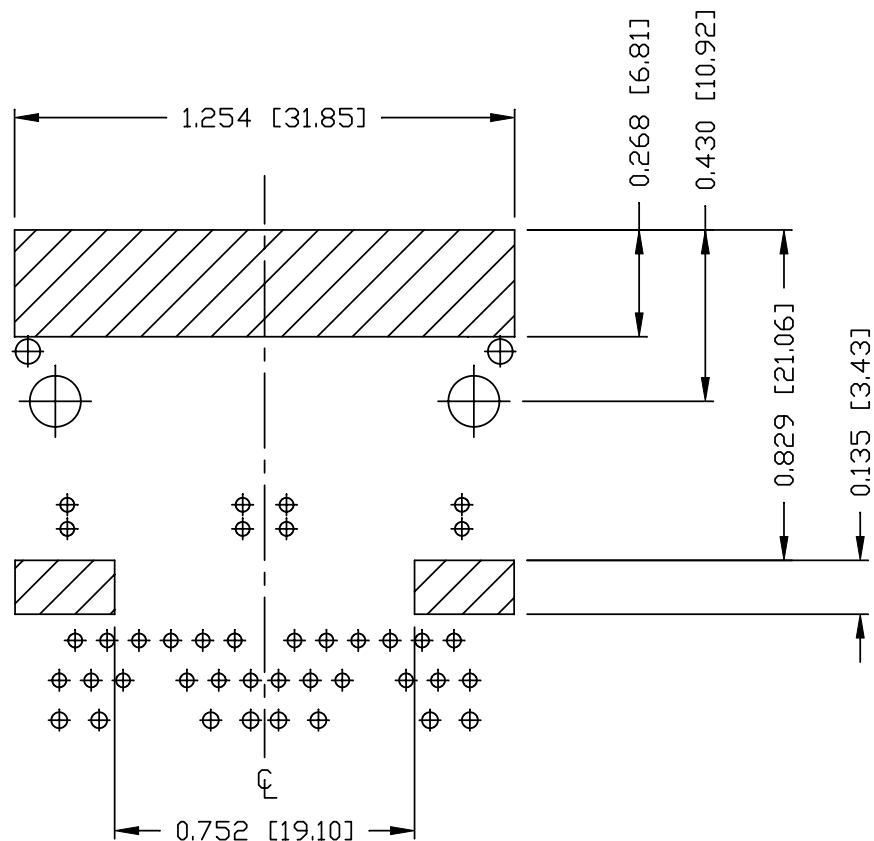
3. RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC
cULus UL RECOGNIZED - FILE #E196366 AND E169987.
4. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS FOR A CONNECTED PLANET
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PA	
CHEN BILL	10-20-10	Gigabit MagJack® (PoE, Extended Temperature)	08261X2TGH-F	.X		SCALE : N/A	SIZE : A4	
DRAWN BY	DATE	0826-1X2T-GH-F PATENTED	FILE NAME	.XX			PAGE : 3	
LI QUANKUN	10-20-10		08261X2TGH-F_PA.DWG	.XXX	±0.010			

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NOTES

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

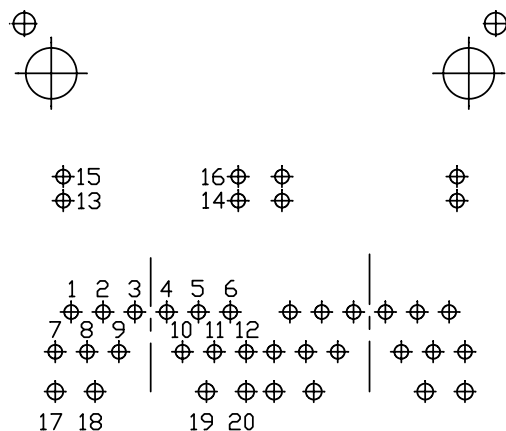
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PA
CHEN BILL	10-20-10	Gigabit MagJack® (PoEp, Extended Temperature) 0826-1X2T-GH-F PATENTED	08261X2TGH-F	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			
LI QUANKUN	10-20-10			.XXX	±0.004		PAGE : 4



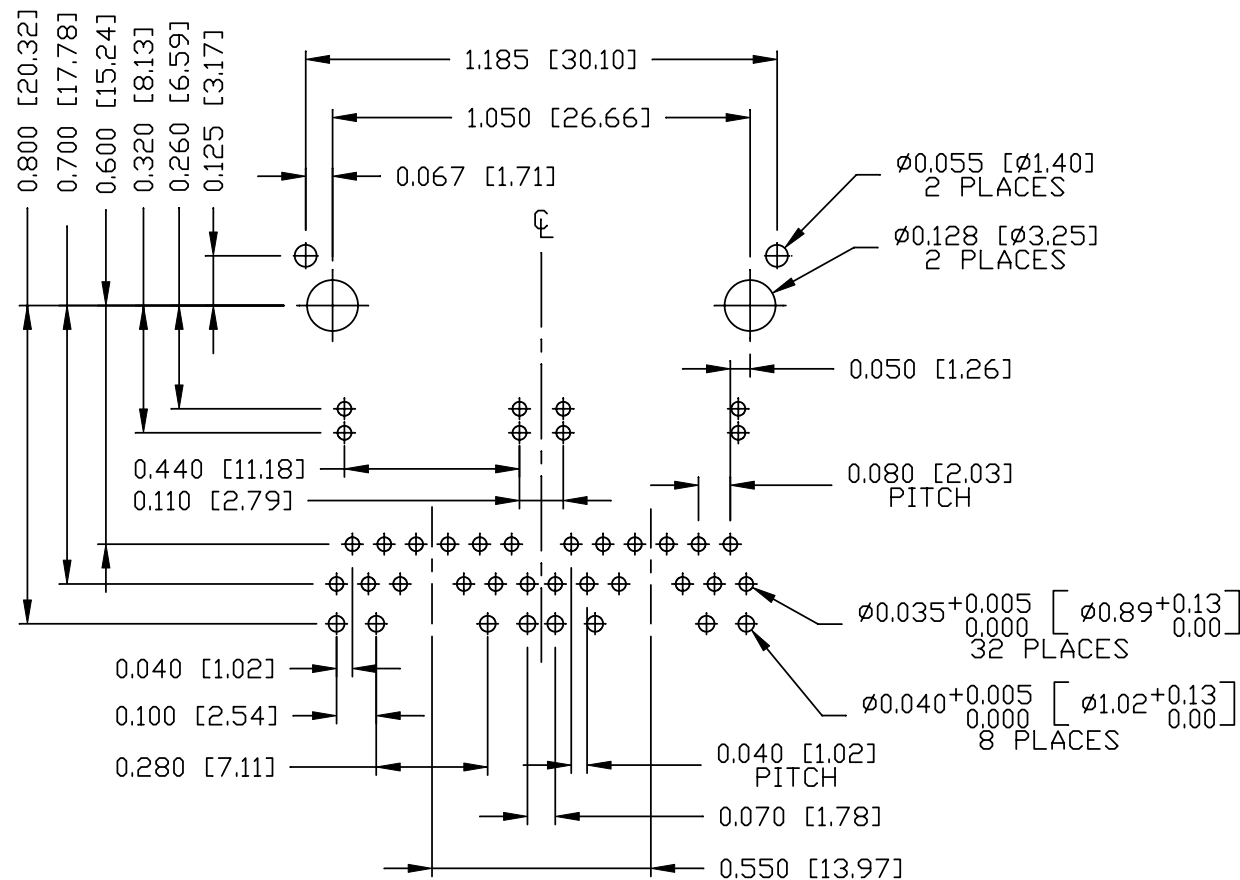
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

PRELIMINARY



PIN-OUT INFORMATION



ORIGINATED BY CHEN BILL	DATE 10-20-10	TITLE Gigabit MagJack® (PoEp, Extended Temperature) 0826-1X2T-GH-F PATENTED	PART NO. / DRAWING NO. 08261X2TGH-F	STANDARD DIM. TOL. IN INCH		[] METRIC DIM. AS REFERENCE	
				.X		UNIT : INCH [mm]	REV. : PA
DRAWN BY LI QUANKUN	DATE 10-20-10		FILE NAME 08261X2TGH-F_PA.DWG	.XX		SCALE : N/A	SIZE : A4
				.XXX	±0.004		PAGE : 5

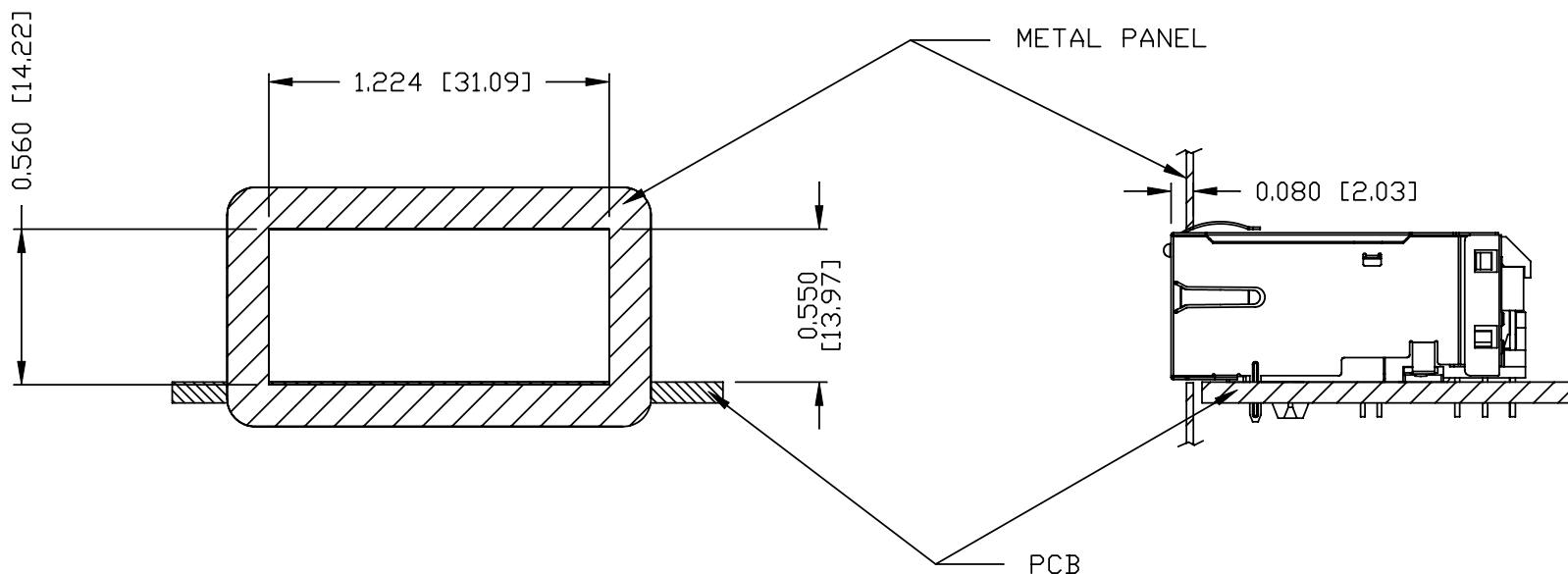


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SUGGESTED PANEL OPENING

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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-I1 (TOP)
0200-9999-I2 (BOTTOM)

PACKING QUANTITY: 49 PCS FINISHED GOODS PER TRAY
7 TRAYS (343 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWEREST TRAY)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE	
				TOL. IN INCH		UNIT : INCH [mm]	REV. : PA
CHEN BILL	10-20-10	Gigabit MagJack® (PoEp, Extended Temperature) 0826-1X2T-GH-F PATENTED	08261X2TGH-F FILE NAME 08261X2TGH-F_PA.DWG	.X		SCALE : N/A	SIZE : A4
DRAWN BY	DATE			.XX			PAGE : 6
LI QUANKUN	10-20-10			.XXX	±0.004		