

PC1900G1-G31BL Engineering Specification

Customer :
Products : 19inch 5:4 Touch Panel
Model : PC1900G1-G31BL
Mode : PCAP(Project Capacitive) Touch Panel

Version : 1.01
Date : 2016-5-11

| Customer Sample Approval |
|--------------------------|
| Date of Signature: _ |

| Approved | Reviewed | Prepared |
|----------|----------|----------|
| | | |

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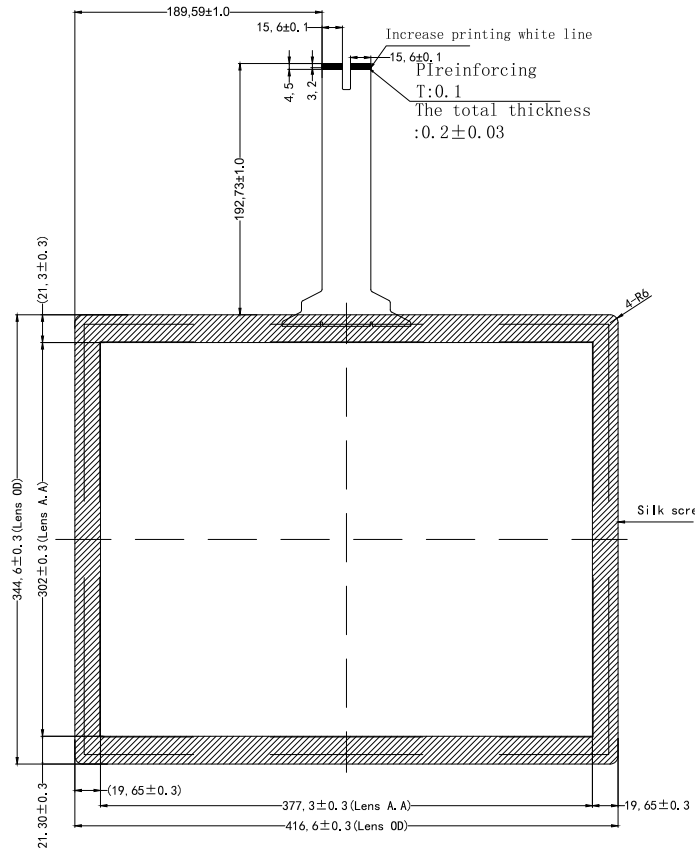
1. General Specification

| | |
|-----------------------------------|--|
| Touch Technology | PCAP project capacitive touch technology |
| Touch Panel Size | 19inch 5:4 |
| Input Medium | Finger,gloved hand, or passive stylus |
| Touch_Panel Structures | G+G |
| Cover_Lens_Active Area | 302.00mm x 377.30mm |
| Cover_Lens_Outline Dimension | 344.60mm x 416.60mm |
| Touch_Sensor_Active Area | 303.06mm x 378.3 mm |
| Touch_Sensor_Outline Dimension | 330.00mm x 402.32mm |
| Total Thickness | 3.90±0.15mm (Cover_Lens 3.0mm & Sensor 0.70mm) |
| Cover_Lens_Angle | 4 x R6.00 |
| Report Rate | ≥100Hz |
| Positional Accuracy | ±1.5mm |
| Surface Hardness | ≥7H (Meets pencil hardness 7H per ASTM D 3363) |
| Cover_Lens | 3mm tempered anti-vandal glass meet UL60950 and IK07 stell ball drop |
| Haze(ASTM D 1003) | Clear surface ≤3% Antiglare Surface ≤4% Anti-Newton ≤10% |
| Durability | Over 50 million touches in one location |
| Touchscreen Operating Temperature | -20°C ~ 70°C |
| Controller Operating Temperature | -20°C ~ 70°C |
| Touchscreen Operating Humidity | 20% ~ 90%RH (Non-condensing) |
| Controller Operating Humidity | 20% ~ 90%RH (Non-condensing) |
| Storage Environmental | -30°C ~ 80°C, RH<90% (Non-condensing) |

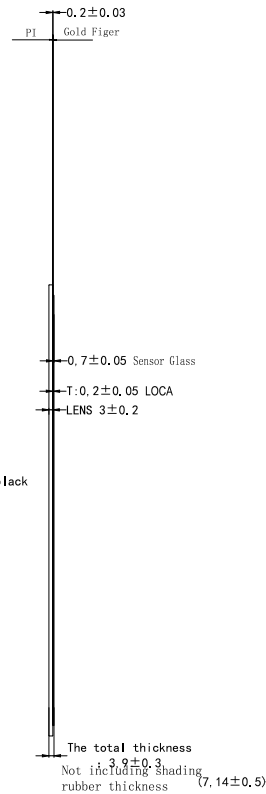
2. Electrical Characteristics

| | |
|--------------------------|---|
| Touch_Controller_Mode | COB |
| Communicatin Inteface(s) | USB(Standard), RS-232, I2C (Options) |
| Supply Voltage | DC5V |
| How to supply it | From COM / USB Port /Mainboard of PC |
| Nubmer of Touches | Standard 10points,Up to 40points |
| Operating System | Windows XP,Windows 7/8/10,Linux,Android and Mac OS etc. |
| Warranty | 1 year |
| Agency Approvals | FCC,CE,ROHS |

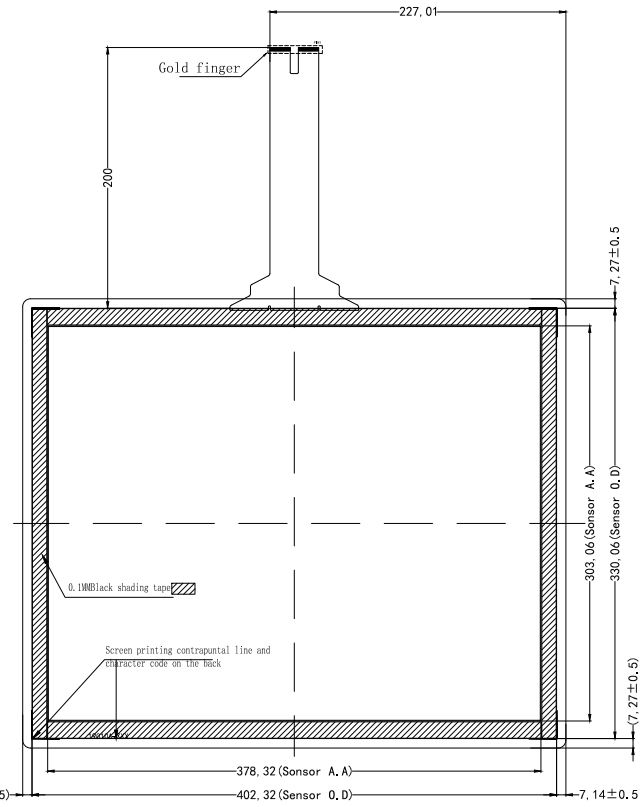
Top View



Side View

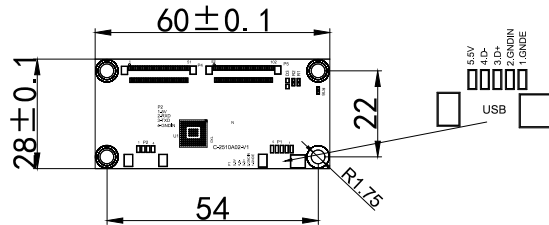


Back View



Technical parameters:

1. COVER LENS To strengthen the glass;
2. FPC interface cable COB all out PIN Interface;
3. PCB plate IC: ILI2510;
4. Interface PIN is 0.3*102 ,
5. For the surface hardness 6H;
6. Light Transmission more than 85%;
7. Not specified tolerances ±0.3mm;
8. Products comply with RoHS standard.



USB

| PIN | Define |
|-----|--------|
| 1 | GNDE |
| 2 | GND IN |
| 3 | D+ |
| 4 | D- |
| 5 | VDD/5V |

Leading Touch

DO NOT SCALE DRAWING
UNLESS OTHERWISE
SPECIFIED
ALL DIMENSIONS ARE IN
MILLIMETERS
TOLERANCES ARE:
LINEAR TOL: .X=±1.0
.XX=±0.5
ANGULAR TOL: ±1°

MODEL
PC1900G1-G31BL

DESCRIPTION
19" project capacitive
touchscreen

FINISH

PROJECTION



SIZE: A4

SCALE 1:1

WEIGHT:
Kg

COLOR:

| REV. | DESCRIPTION | DATE | DRAW | CHECK | APPROVE | DRAWING NO.: | SHEET 1 OF 1 | REV. A |
|------|--------------|----------|-------|-------|---------|--------------|--------------|--------|
| B | SECOND ISSUE | 19-12-25 | Kevin | BING | CLOUD | | | |
| A | FIRST ISSUE | 16-5-23 | Kevin | BING | CLOUD | | | |