

# 2. Mechanical Drawing

**Technical Specifications:**

Display Type	TFT
Optimum Viewing Direction	6 O'CLOCK
Upper Polarizer Type	GLARE
LCD Driver IC	ILI9341V
Operating Voltage	VDD=2.8V
Operation Temperature	-20°C TO 70°C
Storage Temperature	-30°C TO 80°C
Interface	8 BITS MCU parallel
Backlight	4-CUP WHITE LED
Surface luminance	230 cd/m <sup>2</sup> (TYP.)
White X/Y	X3.2715627/10.300±0.2

**Dimensions:**

- Top View: 51.5±0.15 (LCM DD), 37.88±0.15 (LCM DD), 31.8 (LCD V.A), 30.6 (LCD A.A), 3.04, 3.64, 2.60, 40.80 (LCD A.A), 42 (LCD V.A), 2.15, 51.5±0.15 (LCM DD), 38.7±0.5
- Side View: 2.5±0.1 (不含胶), 0.59±0.1, 3-∅0.7±0.1, 0.6±0.15, 36.68±0.1, 50.3±0.1, 0.6±0.15, 37±0.5, 1.0MAX, 31.6±0.5, 3-∅0.7±0.1, 6.49
- Detail View: 0.1275, 0.1275, 0.13±0.03, 1.7±0.3, 1.04±0.1, 24.4±0.1, 0.9±0.1, 8.0±0.1

**Notes:**

- General Tolerance: ±0.2
- Reference dimension.
- Recommended Case Open Area Should Be Less Than Module V.A
- recommended cushion coherent area: P V.A+1.6mm
- ROHS MUST BE COMPLIANT

**LED CIRCUIT DIAGRAM:**

3.2V@60mA

LED A

LEDK1, LEDK2, LEDK3, LEDK4

**Chinese Text:**

焊锡高度0.3MAX  
 附贴绝缘TAPE  
 FPC弯折参考示意图  
 展开出货

**Table 1: PIN DESCRIPTION**

PIN	DESCRIPTION
1	GND
2	GND
3	LEDA
4	LEDK1
5	LEDK2
6	LEDK3
7	LEDK4
8	NCKY(U)
9	NCK(XL)
10	NCK(YD)
11	NCKXR)
12	RST
13	FMARK
14	WR
15	RD
16	RS
17	CS
18	VCC
19	IOVCC
20	DB0
21	DB1
22	DB2
23	DB3
24	DB4
25	DB5
26	DB6
27	DB7
28	GND

**Table 2: TITLE**

DRAWING NO.	DB200MLQIV04
MODULE SPEC.	
UNIT	mm
SCALE	1:1
SHEET	1 OF 1

**Table 3: CUSTOMER'S APPROVAL**

VER.	SYMBOL	AMENDMENT	SIGN	DATE
V00		First issue		2016.10.28A