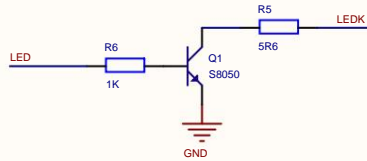
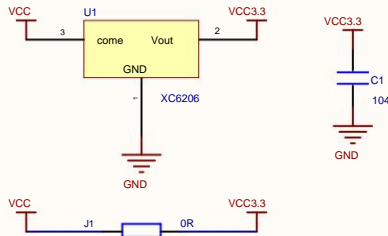


Touch sampling circuit



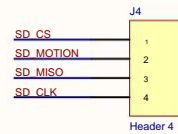
Backlight control circuit (IO or PWM control)

TFT_BL high level enable



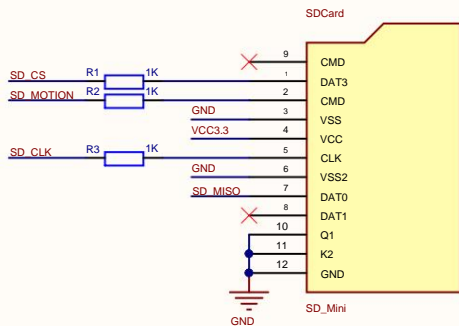
Power supply selection:

When the external VCC input is 5V, J1 is disconnected
When the external VCC input is 3.3V, J1 is shorted

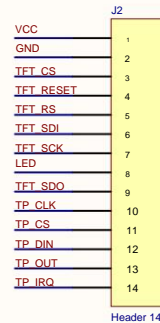


Module expansion output interface

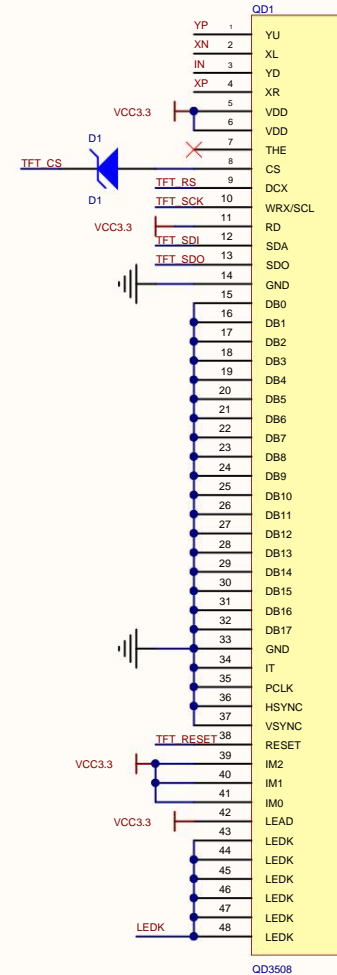
The extended output pin header is not soldered by default



SD card interface circuit



Module pin output interface



LCD screen 48pin FPC circuit

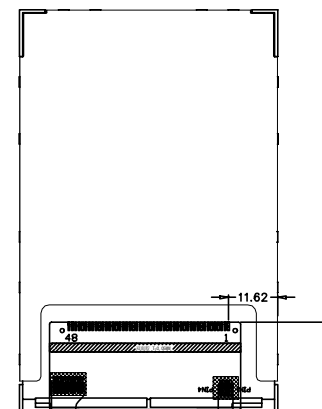
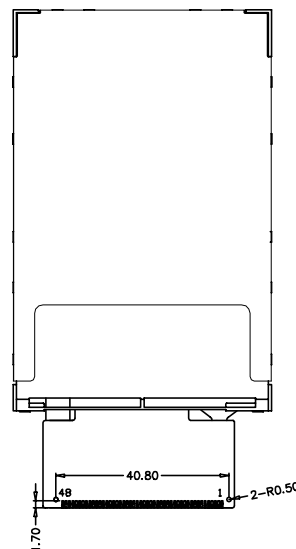
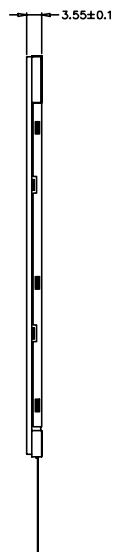
Shenzhen Quandong Electronic Technology Co., Ltd.

ShenZhen QDtech Co.,LTD

www.QDtft.com

Because of focus, so professional

| | | | | |
|-------|----------------------------------|--------|--------------------------------------|--|
| Title | | | 4.0inch SPI module schematic diagram | |
| Size | A4 | Number | Revision | |
| Date: | 2019-09-27 | Sheet | of | |
| File: | E:\project\TFT_TM022HDH26.SchDoc | | Drawn By: | |



A circuit diagram showing a battery with four cells. A switch labeled 'A' is connected in parallel with the battery. The circuit is completed by a wire at the bottom.

NOTES:

1. DISPLAY TYPE: 3.95" TFT
2. VIEWING DIRECTION: 12 O' CLOCK
3. LCD DRIVE IC: IVO+ST7796S
4. POLARIZER MODE: TRANSMISSIVE/POSITIVE
5. OPERATING TEMP: -10° C~+60° C
6. STORAGE TEMP: -20° C~+70° C
7. UNMARKER TOLERANCE: ± 0.20
8. REQUIREMENTS ON ENVIRONMENTAL PROTECTION: RoHS

| No | PIN NAME | No | PIN NAME |
|----|----------|----|----------|
| 1 | YU | 25 | DB10 |
| 2 | XL | 26 | DB11 |
| 3 | YD | 27 | DB12 |
| 4 | XR | 28 | DB13 |
| 5 | VDD | 29 | DB14 |
| 6 | IDVCC | 30 | DB15 |
| 7 | TE | 31 | DB16 |
| 8 | CSX | 32 | DB17 |
| 9 | DCX | 33 | GND |
| 10 | WRX/SCL | 34 | DEN |
| 11 | RD | 35 | PCLK |
| 12 | SDA | 36 | HSYNC |
| 13 | SDO | 37 | VSYN |
| 14 | GND | 38 | RESET |
| 15 | DB0 | 39 | IM2 |
| 16 | DB1 | 40 | IM1 |
| 17 | DB2 | 41 | IM0 |
| 18 | DB3 | 42 | LEDA |
| 19 | DB4 | 43 | LEDK |
| 20 | DB5 | 44 | LEDK |
| 21 | DB6 | 45 | LEDK |
| 22 | DB7 | 46 | LEDK |
| 23 | DB8 | 47 | LEDK |
| 24 | DB9 | 48 | LEDK |

| | | | | | | | |
|-------------|--------------------|------|------|------|---|----------|--------------|
| 深圳市全动电子有限公司 | | | | | | DRG DATE | 2019. 01. 08 |
| | | | | | | DRAWING | |
| TITLE. | LCM OUTLINE | REV. | UNIT | SIZE |  (3) | CHECK | |
| MODEL. | QD40037C1-00 | A | mm | A4 | | APPROVE | |

