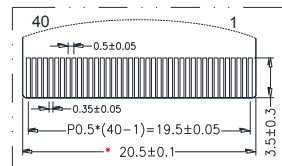
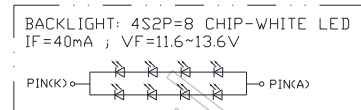


DETAIL A(2.5:1)



LED CIRCUIT DIAGRAM:



| Parameter | Specification | Unit | Pin No. | Symbol | I/O | Description |
|----------------------------------|------------------------------|-------------------|---------|---------|------|--|
| LCD size | 4.0 inch(Diagonal) | inch | 1 | LEDK | P | Power supply for LED cathode input. |
| Number Of Pixels | 480(H)×480(V) | pixels | 2 | LEDA | P | Power supply for LED anode input. |
| Pixel Pitch | 0.1462(H)×RGB×0.1462(V) | mm | 3 | GND | P | Ground. |
| Active Area | 71.856(H)×70.176(V) | mm | 4 | VDD | P | Supply analog voltage. |
| Module Size | 74.83(W)×78.98(H)×2.14(D) | mm | 5-12 | B0-B7 | I | Blue data input. |
| Display Mode | Normally Black, Transmissive | | 13-20 | G0-G7 | I | Green data input. |
| Interface | SPI 3Line & RGB 24-bit | | 21-28 | R0-R7 | I | Red data input. |
| Pixel arrangement | RGB Vertical Stripe | | 29 | GND | P | Ground. |
| Display colors | 16.7M | Colors | 30 | DE | I | Data enable signal input. |
| View Direction | ALL | O'clock | 31 | DCLK | I | RGB dot clock signal. |
| Power Supply | 2.8 | V | 32 | HSYNC | I | Horizontal synchronizing signal input. |
| Power Consumption | 0.13(Typ.) | W | 33 | VSYNC | I | Vertical synchronizing signal input. |
| Weight | 28(Typ.) | g | 34 | GND | I | Vertical synchronizing signal input. |
| Luminance | 400(Typ.) | cd/m ² | 35 | RESET | I | Reset signal input. |
| Driver IC | ST7701SN | | 36 | CS | I | Chip selection signal. |
| Operating Temperature | -20~+70 | °C | 37 | SCL | I | Pixel clock input signal. |
| Storage Temperature | -30~+80 | °C | 38 | SDA | I | Serial data input signal. |
| | | | 39 | SDO | I | Serial data output signal. |
| | | | 40 | TE | I | Test pin. |
| Parameter | Symbol | Min. | Typ. | Max. | Unit | |
| Supply Voltage | VDD | 2.5 | 2.8 | 3.6 | V | |
| Digital interface supply Voltage | VDDI | 1.65 | 1.8 | 3.3 | V | |
| Normal mode Current consumption | IDD | - | 40 | 50 | mA | |
| Level input voltage | VIH | 0.7VDDI | | VDDI | V | |
| | VIL | GND | | 0.3VDDI | V | |
| Level output voltage | VOH | 0.8VDDI | | VDDI | V | |
| | VOL | GND | | 0.2VDDI | V | |
| Parameter | Symbol | Min. | Typ. | Max. | Unit | |
| Forward Current Voltage | VF | 11.6 | 12.8 | 13.6 | V | |
| Forward Current | If | - | 20 | - | mA | |
| Backlight Power Consumption | Wbl | - | 0.512 | - | W | |
| LED Lifetime | - | - | 30000 | - | Hrs | |