



LED circuit diagram



$V_f = 22.4V(\text{typ.}), @I_F = 40 \text{ mA}$

TFT PIN:

| PIN | SYMBOL | PIN | SYMBOL |
|-----|--------|-----|-----------|
| 1 | K | 21 | B0 |
| 2 | A | 22 | B1 |
| 3 | GND | 23 | B2 |
| 4 | VCC | 24 | B3 |
| 5 | R0 | 25 | B4 |
| 6 | R1 | 26 | B5 |
| 7 | R2 | 27 | B6 |
| 8 | R3 | 28 | B7 |
| 9 | R4 | 29 | GND |
| 10 | R5 | 30 | DOTCLK |
| 11 | R6 | 31 | DISPLAY |
| 12 | R7 | 32 | HSYNC |
| 13 | G0 | 33 | VSYNC |
| 14 | G1 | 34 | ENABLE |
| 15 | G2 | 35 | NC(CVDD) |
| 16 | G3 | 36 | NC(CGND) |
| 17 | G4 | 37 | NC(INT) |
| 18 | G5 | 38 | NC(SCL) |
| 19 | G6 | 39 | NC(SDA) |
| 20 | G7 | 40 | NC(RESET) |

| | | |
|----|------------------------|------------------------------|
| 1 | Operating Voltage: | $V_{cc} = 3.3V \text{ typ.}$ |
| 2 | Resolution: | 800RGB*480 |
| 3 | Color: | 16M |
| 4 | Interface: | RGB |
| 5 | Display type: | Transmissive, NW, TN |
| 6 | Viewing Direction: | 12:00 |
| 7 | Operating Temp: | -20°C ~ 70°C |
| 8 | Storage Temp: | -30°C ~ 80°C |
| 9 | Driver IC: | HX8264-D05, HX8664-B |
| 10 | Surface brightness | 580cd/m ² (min.) |
| 11 | Unspecified tolerance: | ±0.2 |