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|--------------|------------------|----|----|--------------------|--|
| VCC + LED | 3.3v | 1 | 2 | 5v | |
| | GPIO 2/SDA | 2 | 4 | 5v | |
| | GPIO 3/SCL | 5 | 6 | GND | |
| | GPIO 4 (GPCLK0) | 7 | 8 | GPIO 14 (TX) | |
| | GND | 9 | 10 | GPIO 15 (RX) | |
| CS | GPIO 17 | 11 | 12 | GPIO 18 (PCM_CLK) | |
| DC | GPIO27 | 13 | 14 | GND | |
| RESET | GPIO 22 | 15 | 16 | GPIO 23 | |
| | 3.3v | 17 | 18 | GPIO 24 | |
| MOSI + T_DIN | GPIO 10 (MOSI) | 19 | 20 | GND | |
| MISO + T_DO | GPIO 9 (MISO) | 21 | 22 | GPIO 25 | |
| SCK + T_CLK | GPIO 11 (SCLK) | 23 | 24 | GPIO 8 (CE0) | |
| | GND | 25 | 26 | GPIO 7 (CE1) | |
| | GPIO 0 (ID_SD) | 27 | 28 | GPIO 1 (ID_SC) | |
| T_IRQ | GPIO 5 | 29 | 30 | GND | |
| T_CS | GPIO 6 | 31 | 32 | GPIO 12 (PWM0) | |
| | GPIO 13 (PWM1) | 33 | 34 | GND | |
| | GPIO 19 (PCM_FS) | 35 | 36 | GPIO 16 | |
| UV LED BED | GPIO 26 | 37 | 38 | GPIO 20 (PCM_DIN) | |
| GND | GND | 39 | 40 | GPIO 21 (PCM_DOUT) | |

| 16 Ribbon wire color | Multi/Shared 40 Pin | GPIO num | 40 Pin Num | 40 pin Col 1 row num | IDC 16P pin number | TFT connection |
|----------------------|---------------------|-------------|------------|----------------------|--------------------|----------------|
| Brown | * | 3v3 | 1 | 1 | 1 | VCC |
| Red | * | 3v3 | 1 | 1 | 2 | LED |
| Orange | | GND | 9 | 5 | 3 | GND |
| Yellow | | GPIO17 | 11 | 6 | 4 | CS |
| Green | | Unused | | | 5 | |
| Blue | | GPIO27 | 13 | 7 | 6 | DC |
| Purple | | Unused | | | 7 | |
| Grey | | GPIO22 | 15 | 8 | 8 | RESET |
| White | * | MOSI/GPIO10 | 19 | 10 | 9 | T_DIN |
| Black | * | MOSI/GPIO10 | 19 | 10 | 10 | SDI(MOSI) |
| Brown | * | MISO/GPIO9 | 21 | 11 | 11 | SDO(MISO) |
| Red | * | MISO/GPIO9 | 21 | 11 | 12 | T_DO |
| Orange | * | SLCK/GPIO11 | 23 | 12 | 13 | SCK |
| Yellow | * | SLCK/GPIO11 | 23 | 12 | 14 | T_CLK |
| Green | | GPIO6 | 31 | 16 | 15 | T_CS |
| Blue | | GPIO5 | 29 | 15 | 16 | T_IRQ |
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