

TFT PRODUCT SPECIFICATIONS**800RGB x 1280****16.7M Colors****7.0" Diagonal**

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| Part Number | TM2132S070L-01 |
| Overall Dimensions | 117.00(H) x 182.40(V) x 6.0(T) mm |
| Active Area | 94.20 (H) x 150.72 (V)mm |
| Resolution | 800 RGB (H) x 1280 (V) |
| Pixel Size | 0.11775 (H) x0.11775 (V)mm |
| Display Colors | 16.7M |
| Display Mode | IPS/Transmissive /Normally Black |
| LCD Type | a-Si TFT |
| Contrast Ratio | 800:1 (Typ) |
| Viewing Angles (CR≥10) | 85°/85°/85°/85° (Left/Right/Top/Bottom) |
| View Direction | Viewing angle free |
| Brightness (I=100mA) | 400cd/m ² (Min) |
| NTSC | 55% |
| Driver IC | NT35521V or EQU |
| VDD | 3.0~3.6V |
| Interface | 8Bits LVDS |
| Backlight System | 30 White LED ,6 in series ,5 in Parallel |
| Forward Voltage | 19.2V(typ) |
| Forward Current | 100mA (typ) |
| Touch Panel Parameter | |
| Input Method | Bare or gloved finger or thick conductive stylus |
| Number of simultaneous touches | 5 point |
| Min. spacing between 2 touches | 18mm |
| Positional Accuracy | +/- 1.5 at center, +/- 2.5 at edge |
| Minimum Touch Area | 30mm ² |
| Minimum Touch Pressure | 0N |
| Number of touches | >10 million over lifetime |
| Connection Type | ZIF Connector |
| Anti-glare surface | No |
| Optical Transmittance | >85% |
| Non-Linearity | ≅ 3.0% |
| RoHS Compliance | Yes |
| Contact Resistance | >20Mohm @ DC25V |
| Power Consumption | 50mW |
| Interface to Host | I2C |
| Response Time/Speed | 15ms |
| I2C Address | 0X4A |
| Touch controller | ATMXT224T-MAU |
| ESD Capability | 15KV Air discharge (TP with lens) 8KV contact discharge(TP with lens) |
| Operating Voltage | 3.3V |

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