

TOSHIBA

Toshiba LCD Technology

Toshiba America Electronic Components, Inc., (TAEC) has been developing leading-edge LCD technology since 1968 for a wide range of applications, including portable computing as well as industrial factory automation equipment, point-of-sale, kiosk, automotive PC, navigation, wireless, amusement, and entertainment. Toshiba's award-winning, low-temperature polysilicon (LTPS) technology has enabled innovative products in cell phones, electronic books, notebooks, and tablet PCs.



Features ▶

- Forward-design migration
- Industry-standard interfaces
- High brightness/wide viewing angle
- RoHS-compatible

Benefits ▶

- Low power consumption
- Thin and light
- Higher resolution capability
- High reliability

Applications ▶

- ATM/POS terminals
- Factory automation
- Test and measurement
- In-flight entertainment

Product Specifications ▶

| Size | Part Number | Resolution | NITS | Viewing Angle (Left/Right) (Top/Bottom) | Contrast Ratio | Backlight/Life (hrs.) | Interface | Operating Temperature (°C) |
|-------|-------------|-------------|---|--|----------------|-----------------------|--------------------------------|----------------------------|
| 3.5" | LTA035A350F | 320 x 240 | 350 | 120/140 | 350 | LED/20K | CMOS | -20 to +70 |
| 5.0" | LTA050B352A | 400 x 234 | 240 | 90/120 | 300 | LED/10K | Analog | -20 to +60 |
| 5.5" | LTA055B0ROA | 480 x 234 | 450 | 90/120 | 300 | 1 "L" CCFL/20K | Analog | -20 to +70 |
| 5.6" | LTD056ETOS | 1,024 x 600 | 165 | 55/80 | 200 | 1CCFL/10K | LVDS | 0 to +50 |
| 5.7" | LTA057A340F | 320 x 240 | 300 | 120/140 | 500 | LED/20K | CMOS | -10 to +70 |
| 5.8" | TFD58W26MW | 400 x 234 | 350 | TBD | 100 | 1CCFL/10K | Composite video and analog RGB | -20 to +60 |
| 6.5" | LTA065A043F | 640 x 480 | 400 | 90/120 | 250 | 1 "L" CCFL/40K | CMOS | -20 to +70 |
| 6.5" | LTA065B0D0F | 640 x 480 | 400 | 120/140 | 500 | 2CCFL/30K | CMOS | -10 to +70 |
| 6.5" | LTA065B0E0F | 640 x 480 | 250 | 100/120 | 350 | 2CCFL/30K | CMOS | -10 to +70 |
| 7.0" | LTA070A320F | 800 x 480 | 350 | 100/120 | 300 | 1CCFL/30K | CMOS | -20 to +70 |
| 7.0" | LTA070A321F | 800 x 480 | 280 | 100/120 | 300 | 1CCFL/30K | CMOS | 0 to +50 |
| 7.0" | LTA070B0NOA | 480 x 234 | 400 | 90/120 | 300 | 1 "L" CCFL/10K | Analog | -20 to +70 |
| 8.0" | LTA080B820A | 480 x 234 | 350 | 90/120 | 300 | 1 "L" CCFL/10K | Analog | -20 to +70 |
| 8.4" | LTM08C351L | 800 x 600 | 350 | 90/100 | 300 | 2CCFL/50K | LVDS | -10 to +60 |
| 8.4" | LTM08C351R | 800 x 600 | 350 | 90/100 | 300 | 2CCFL/50K | LVDS | -10 to +60 |
| 8.4" | LTM08C351S | 800 x 600 | 350 | 90/100 | 300 | 2CCFL/50K | CMOS | -10 to +60 |
| 8.4" | LTA084C190F | 800 x 600 | 200 | 100/120 | 400 | 1CCFL/50K | LVDS | -10 to +60 |
| 8.4" | LTA084C191F | 800 x 600 | 250 | 100/120 | 400 | 1CCFL/50K | LVDS | -10 to +60 |
| 8.5" | LTD085CK1S | 800 x 480 | 240 | 50/90 | 250 | 1CCFL/30K | CMOS | -10 to +60 |
| 8.5" | LTA085C182F | 800 x 480 | 270 | 100/120 | 250 | 1 "L" CCFL/50K | CMOS | -10 to +70 |
| 8.9" | LTM09C362Z | 1,024 x 600 | 220 | 50/90 | 100 | 1CCFL/10K | LVDS | 0 to +50 |
| 8.9" | LTD089EXWS | 1,280 x 768 | 200 | 50/80 | 140 | LED/10K | LVDS | 0 to +50 |
| 9.0" | LTA090A149A | 480 x 234 | 370 | 90/120 | 300 | 1 "L" CCFL/10K | Analog | -20 to +70 |
| 10.4" | LTD104EA5S | 1,024 x 768 | 180 | 50/80 | 250 | 1CCFL/50K | LVDS | 0 to +50 |
| 10.4" | LTD104EA5R | 1,024 x 768 | 170 | 50/80 | 190 | 1CCFL/20K | LVDS | 0 to +50 |
| 10.4" | LTD104KA1S | 1,024 x 768 | 170 | 50/90 | 250 | 1CCFL/10K | LVDS | 0 to +50 |
| 10.4" | LTA104A260F | 640 x 480 | 250 | 50/90 | 250 | 2CCFL/50K | CMOS | 0 to +50 |
| 10.4" | LTA104A261F | 640 x 480 | 400 | 100/120 | 250 | 2CCFL/50K | CMOS | 0 to +50 |
| 10.4" | LTA104D181F | 800 x 600 | 400 | 100/120 | 450 | 2CCFL/50K | CMOS | -10 to +70 |
| 10.4" | LTA104D182F | 800 x 600 | 400 | 100/120 | 450 | 2CCFL/50K | LVDS | -10 to +70 |
| 10.4" | LTD104C11S | 640 x 480 | 400 | 120/140 | 500 | 2CCFL/50K | CMOS | -10 to +65 |
| 10.4" | LTD104C11R | 640 x 480 | 400 | 120/140 | 500 | 2CCFL/50K | CMOS | -10 to +65 |
| 12.1" | LTD121EC5S | 1,024 x 768 | 200 | 50/90 | 250 | 1CCFL/10K | LVDS | 0 to +50 |
| 12.1" | LTD121EX1S | 1,280 x 768 | 250 | 80/50 | 600 | 1CCFL/10K | LVDS | 0 to +50 |
| 12.1" | LTD121KA0S | 1,024 x 768 | 170 | 50/80 | 250 | 1CCFL/10K | LVDS | 0 to +50 |
| 12.1" | LTD121C30S | 800 x 600 | 350 | 120/140 | 250 | 2CCFL/50K | CMOS | -10 to +65 |
| 12.1" | LTD121C31L | 800 x 600 | 250 | 100/120 | 450 | 2CCFL/60K | CMOS | -10 to +65 |
| 12.1" | LTD121C31S | 800 x 600 | 250 | 100/120 | 450 | 2CCFL/50K | CMOS | -10 to +65 |
| 12.1" | LTD121C32S | 800 x 600 | 250 | 100/120 | 450 | 2CCFL/50K | LVDS | -10 to +65 |
| 12.1" | LTD121C33S | 800 x 600 | 350 | 120/140 | 500 | 2CCFL/50K | LVDS | -10 to +65 |
| 12.1" | LTD121C34S | 800 x 600 | 350 | 120/140 | 500 | 2CCFL/50K | LVDS | -10 to +65 |
| 12.1" | LTD121GA0S | 1,024 x 768 | 350 | 100/120 | 250 | 2CCFL/50K | LVDS | 0 to +50 |
| 12.1" | LTD121C35S | 800 x 600 | 800 (IFL=6.0 mA (rms))/900 (IFL=7.0 mA (rms)) | 120/140 | 500 | 4CCFL/50K | LVDS | -10 to +65 |
| 13.3" | LTD133ECKS | 1,024 x 768 | 200 | 50/80 | 250 | 1CCFL/10K | LVDS | 0 to +50 |
| 14.9" | LTA149B780F | 1,280 x 390 | 400 | 120/160 | 500 | 2CCFL/10K | LVDS | -10 to +65 |
| 15.0" | LTM15C458M | 1,024 x 768 | 350 | 140/160 | 450 | 4CCFL/50K | LVDS | 0 to +50 |