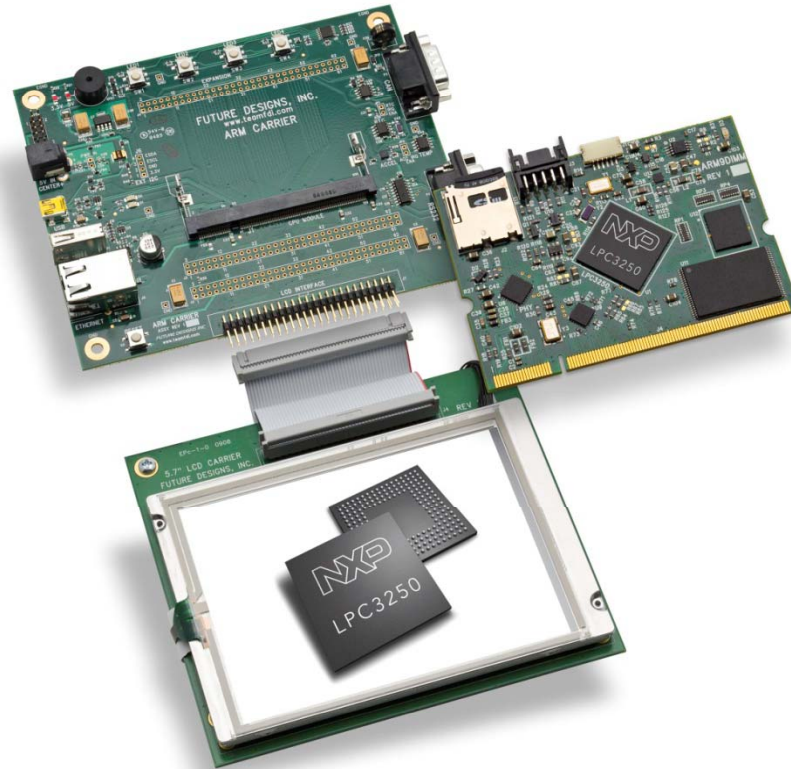


IRD 2.0

LPC3250 Touch Screen LCD Kit



DK-57TS-LPC3250



DK-57TS-LPC3250

TOUCH SCREEN LCD KIT

▶ System On Module DIMM

- LPC3250 266MHz ARM926EJ-S MCU
- 256KB Internal SRAM
- 512MB NAND Flash, 64MB SDRAM
- 10/100 Ethernet PHY
- Micro SD Memory Socket
- Mini JTAG Connector

▶ CARRIER

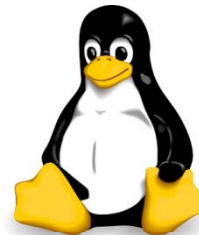
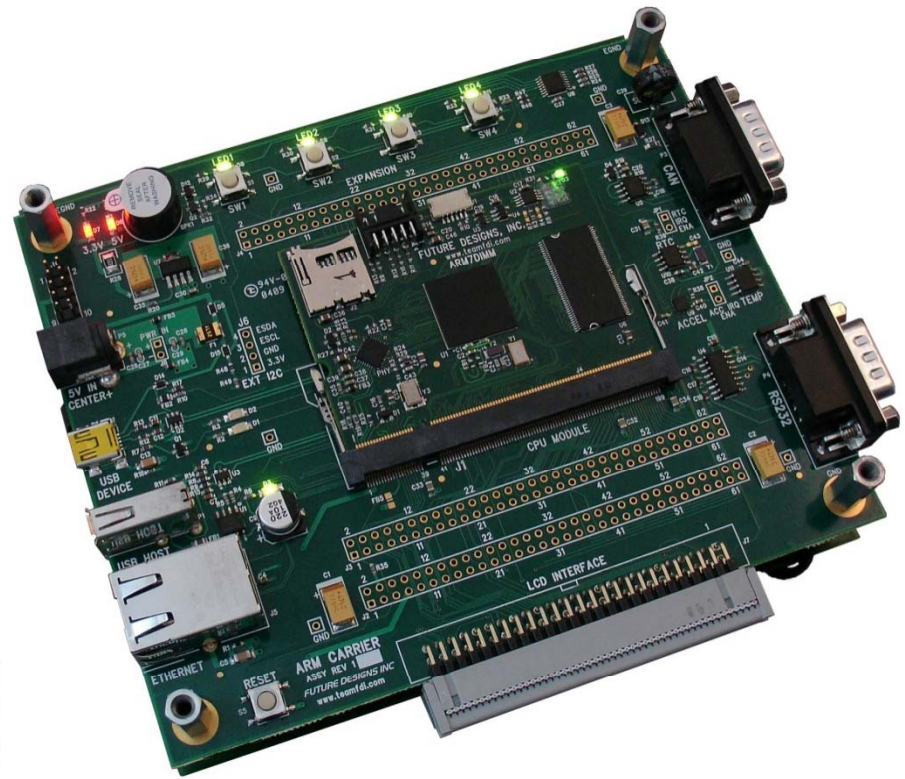
- USB Host & Device Ports
- 10/100 Ethernet Port
- 1 RS-232 Port
- I²C Expansion
- Real Time Clock with SuperCap backup
- 3-axis Accelerometer & Temperature Sensor

▶ LCD CARRIER

- 5.7" Toshiba QVGA TFT LCD
- 4-Wire Resistive Touch Screen

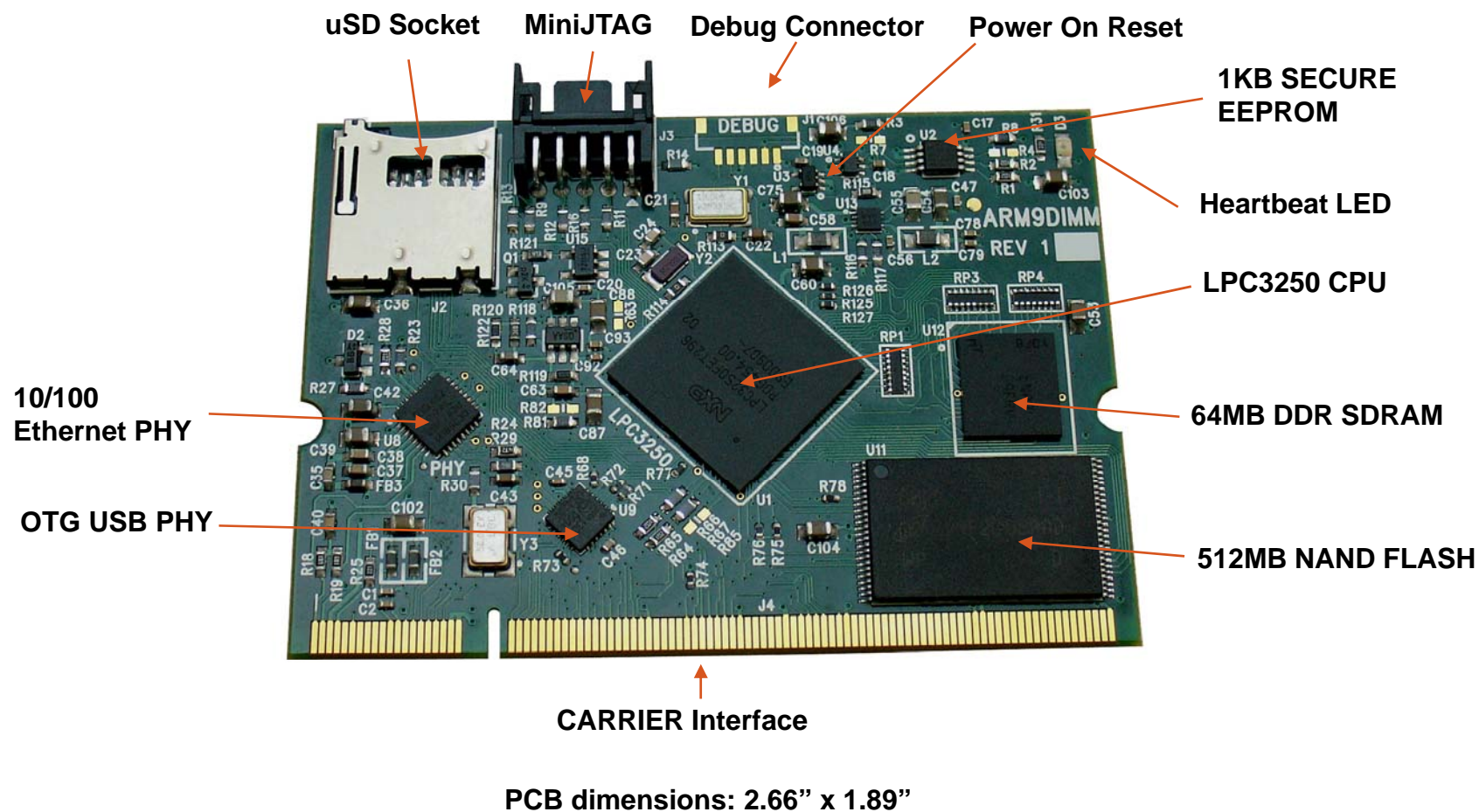
▶ Software

- Linux Operating System
- VMWare Development Virtual Machine Image
- Full Linux Driver support



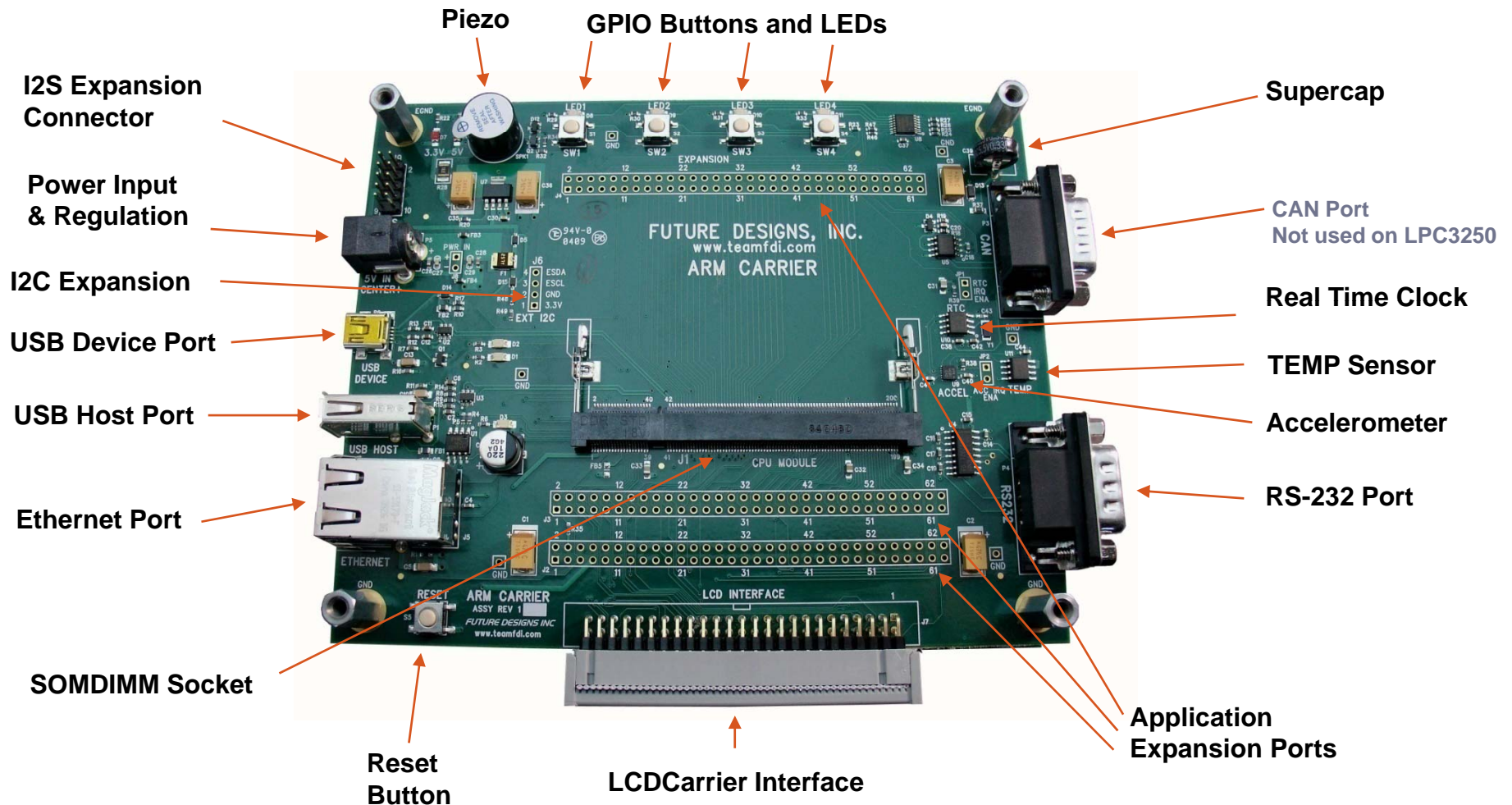
IRD 2.0

SOMDIMM-LPC3250 Overview



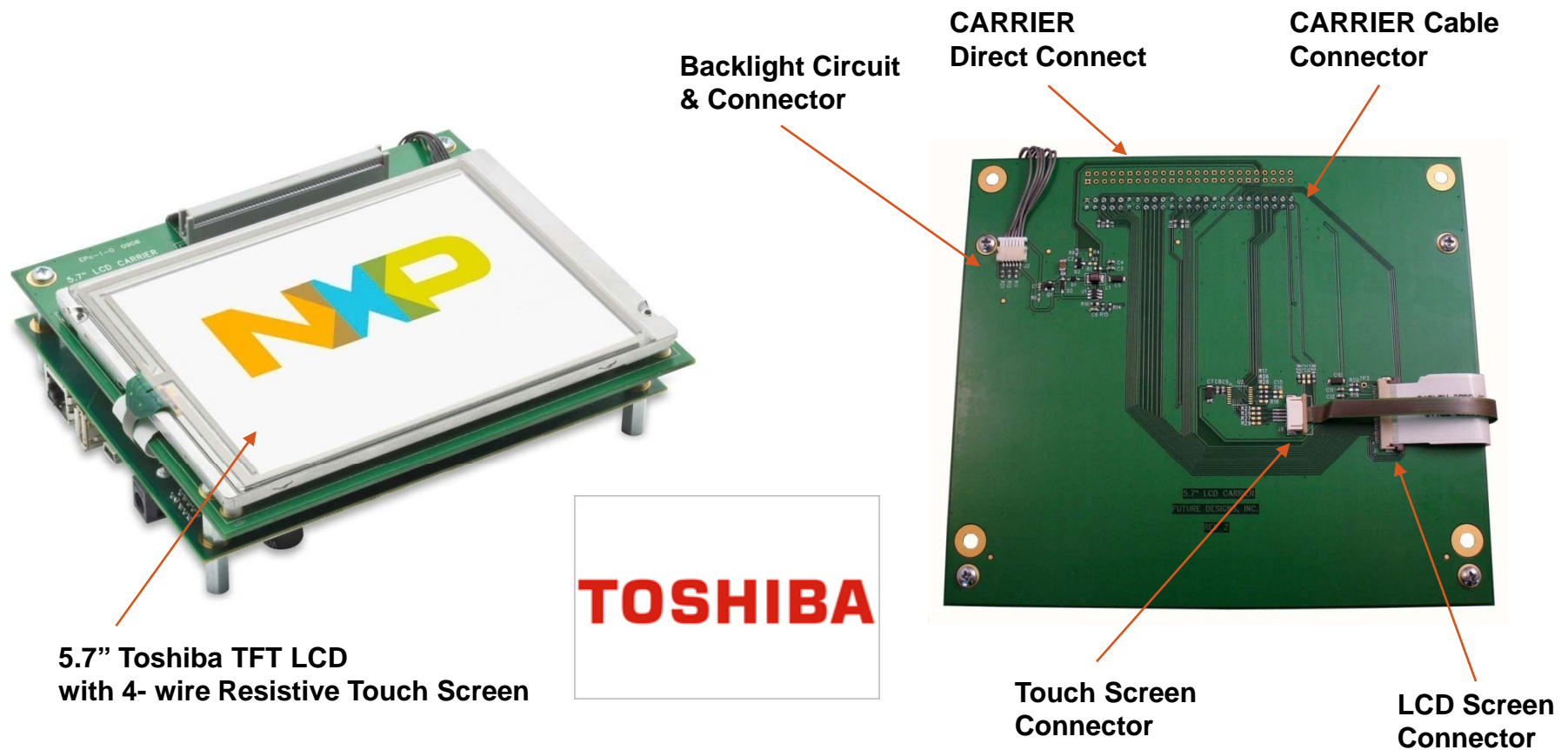
IRD 2.0 DK-57TS-LPC3250

CARRIER Board Overview



LCD CARRIER Board

5.7" Toshiba QVGA LCD with Touch Screen



Modular LCD CARRIER design allows rapid support for multiple LCD sizes and resolutions

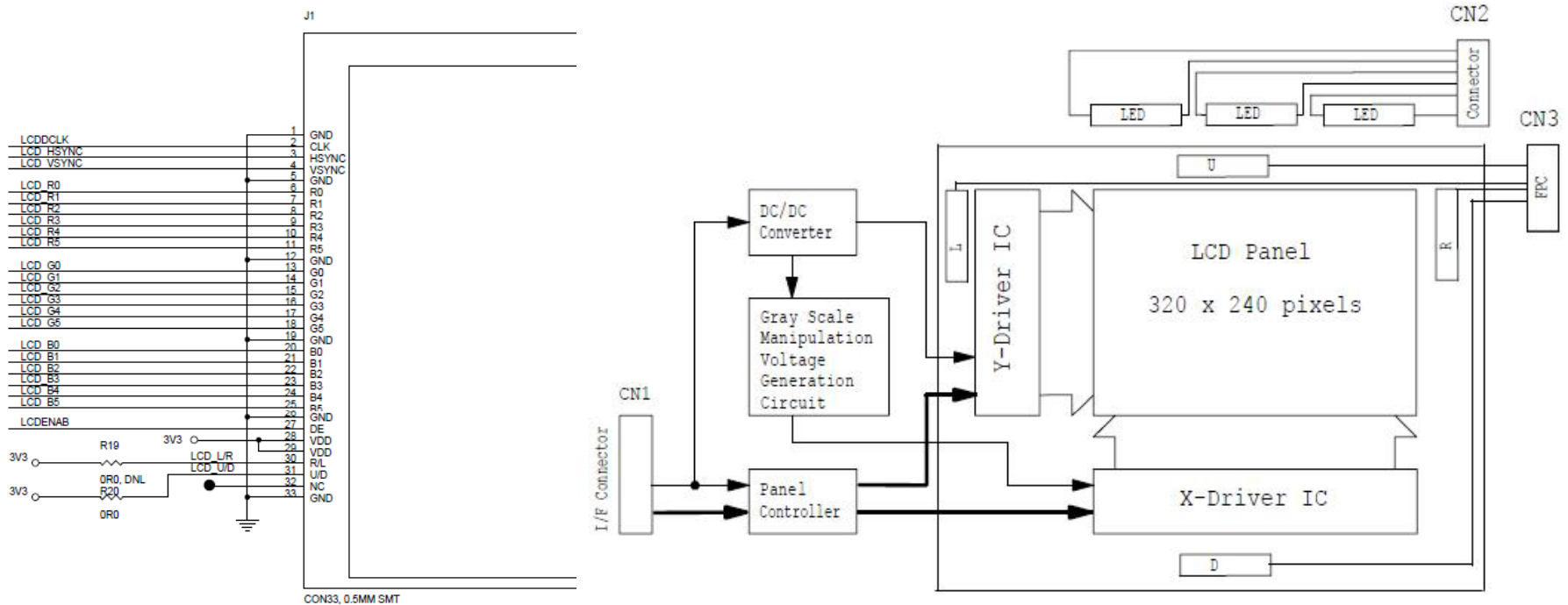


QVGA TFT LCD

Toshiba 5.7" LTA057A344F

TOSHIBA

- Wide Viewing Angle, 120deg Vertical, 140deg Horizontal
- LED Backlight
- 320 x 240 resolution
- 4-wire resistive type touch screen

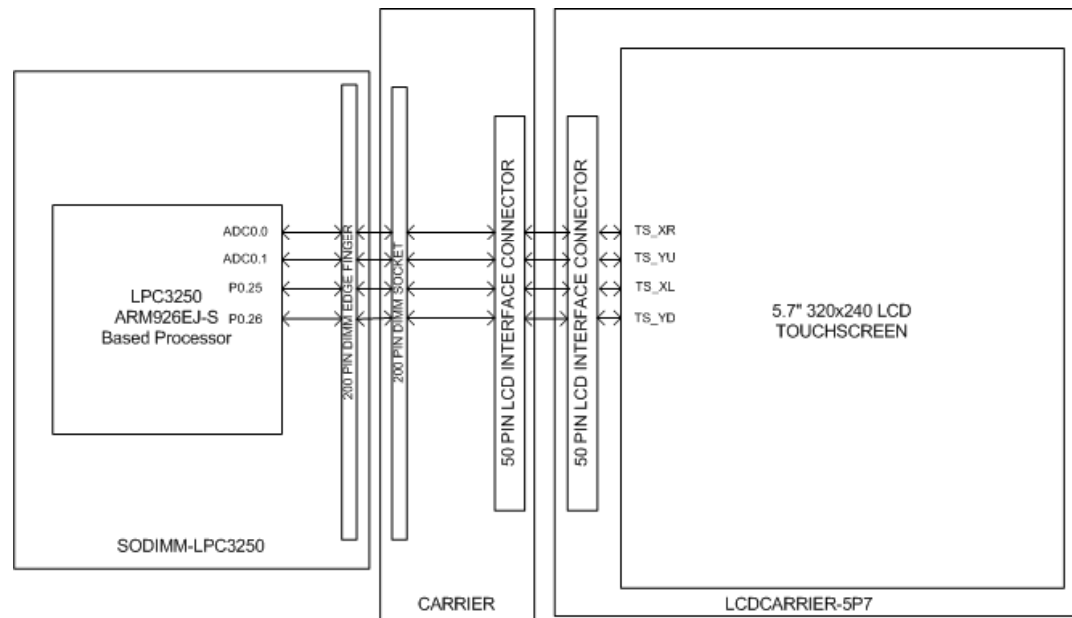


4-Wire Resistive Touch Screen

Integrated Sensing Solution Overview

- Uses 2 ADC + 2 GPIO of LPC2478 MCU
- Inexpensive solution with no additional ICs
- Refer to NXP application note [AN10675](http://www.standards.nxp.com/support/documents/microcontrollers/pdf/an10675.pdf)

<http://www.standards.nxp.com/support/documents/microcontrollers/pdf/an10675.pdf>



DK-TS-KIT DISCRETE TOUCH INTERFACE BLOCK DIAGRAM

IRD 2.0 Platform offering LPC3250

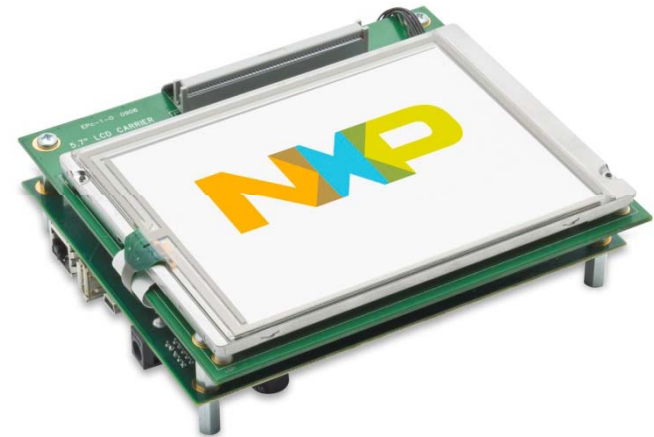
Price and Availability

LPC3250 IRD 2.0 Development Kit

FDI P/N: DK-57TS-LPC3250

NXP P/N: OM11078

Resale Price \$480.00



LPC3250 SOMDIMM

FDI P/N: SOMDIMM-LPC3250

NXP P/N: OM11079

Resale Price \$119.00

Volume pricing available



Available from Distribution Stock

