Page 2

OEM board connector, expansion connectors and alarm output.

Page 3

Ethernet interface, JTAG and ETM interfaces, reset LED&key and SD/MMC interface connector.

Page 4

Analog input, speaker output, irq-key, joystick key, accelerometer and i2c-port expander: LEDs and keys.

Page 5

Power supply, USB-to-serial bridge, ISP functionality, RS232 interface, IrDA transceiver and dual CAN interfaces.

Page 6

USB OTG and USB Host interfaces.

Page 7

QVGA interface, LED backlight power and touch screen controller.

Page 8

LCD expansion interface.

UL = UnLoaded = normally not mounted component.

Default jumper settings are indicated in the schematic. However, always check jumper positions on actual boards since there is no guarantee that all jumpers are in default place.

Rev 1.2

Added U23, R151, C82 and J39 (page 2).
Added R145-R149 10K (page 3).
Removed VCC connection on J5, pin2 (page 3).
Changed U14 to TFBS4652 (from HSDL-3209) (page 5).
Changed R86 to 36R (from 27R) (page 5).
Added R150 (UL-1K) (page 6).
Change R100 to 1K (from 10K) (page 6).

Rev 1.1

Changed value on R4, R16, R22, R43-R49, R52, R66, R105.
Added C79-C81, R140-R144.
Changed U18/U19 to 74LVC16245 (from 74LVCH16245).

Rev 1.0

Original revision

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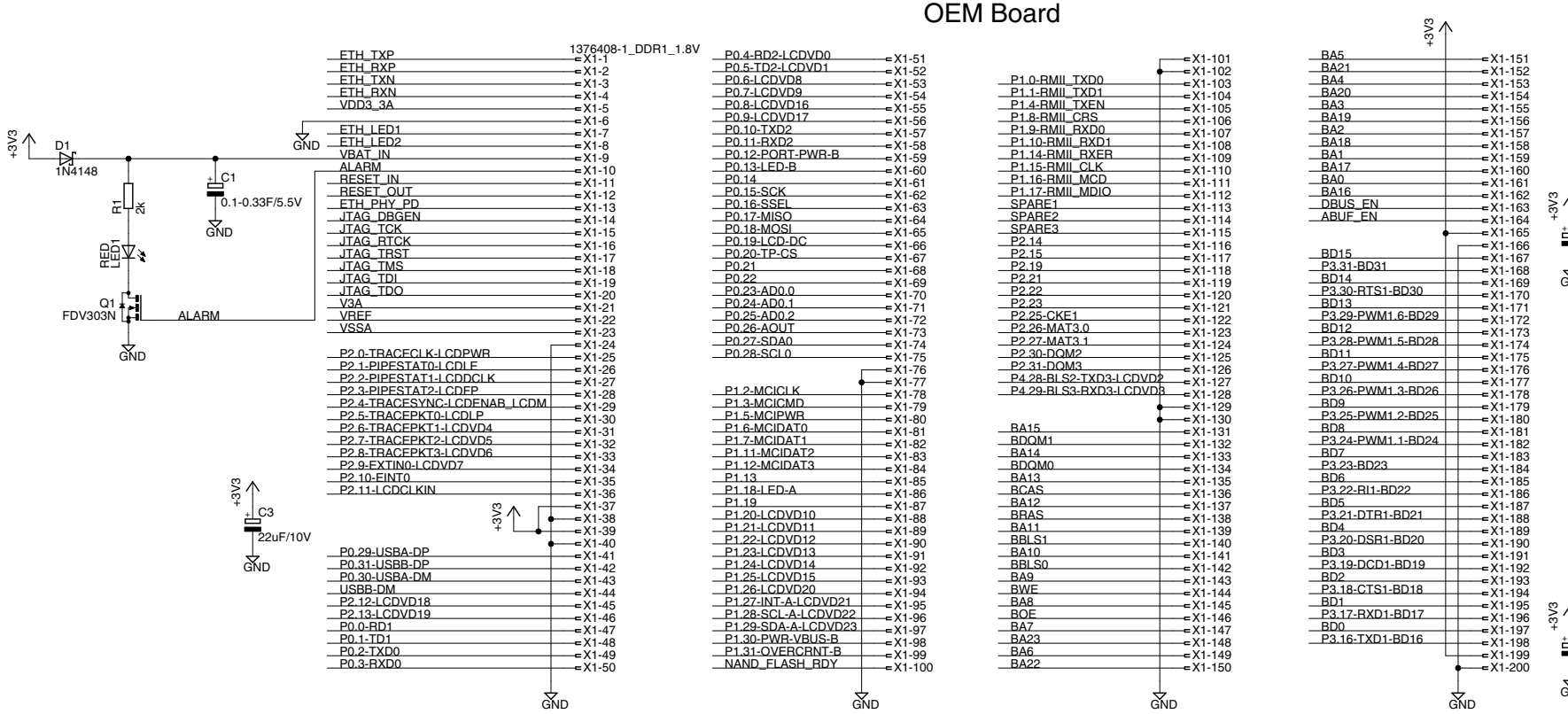
TITLE: QVGA Base Board v1.2

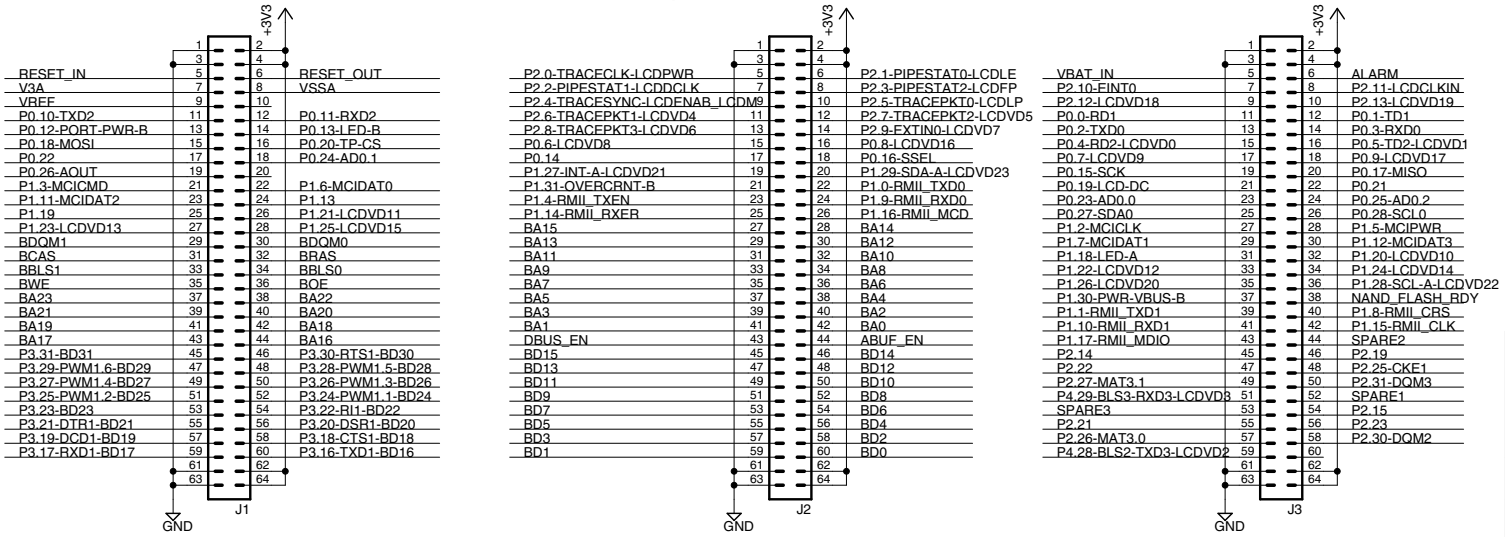
Document Number: | REV:

Date: 2010-02-22 14:15:23 | Sheet: 1/8

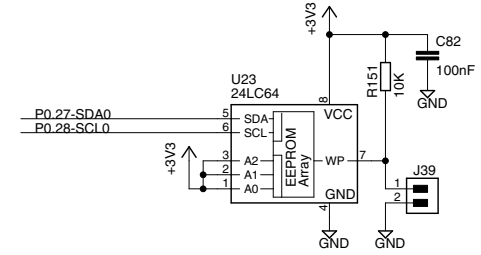
OEM Board



Expansion Connectors



64kbit Configuration EEPROM



Insert to override WP

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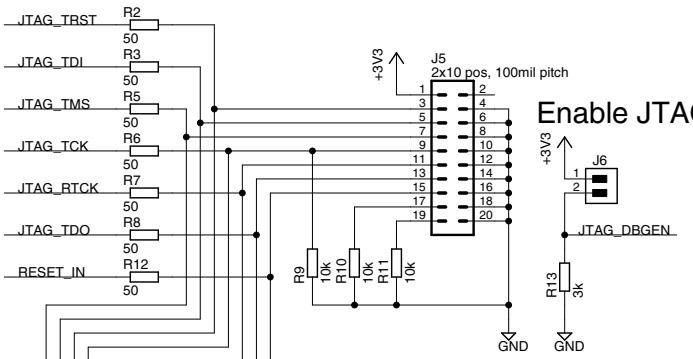
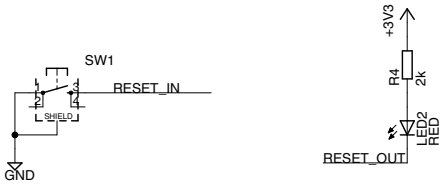
TITLE: QVGA Base Board v1.2	
Document Number:	REV:
Date: 2010-02-22 14:15:23	Sheet: 2/8

JTAG Interface

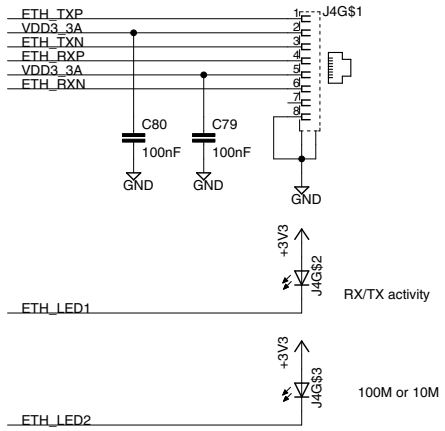


Enable JTAG

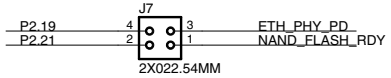
Reset Push-button & LED



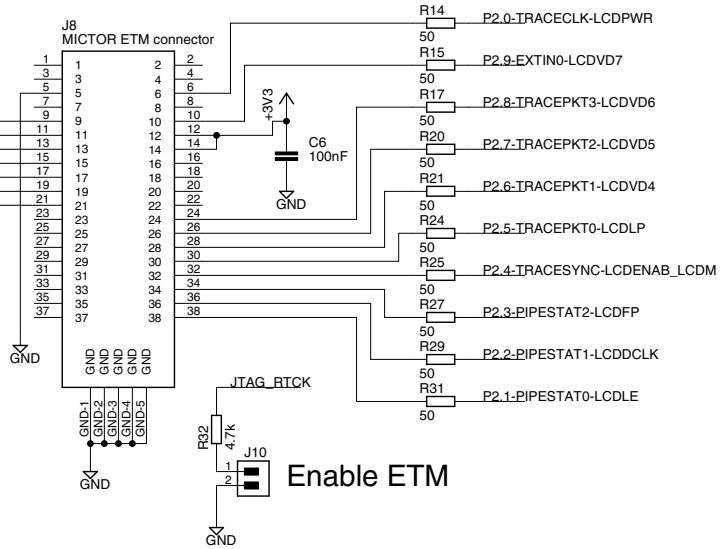
RJ45 Ethernet Connector



Optional Connections

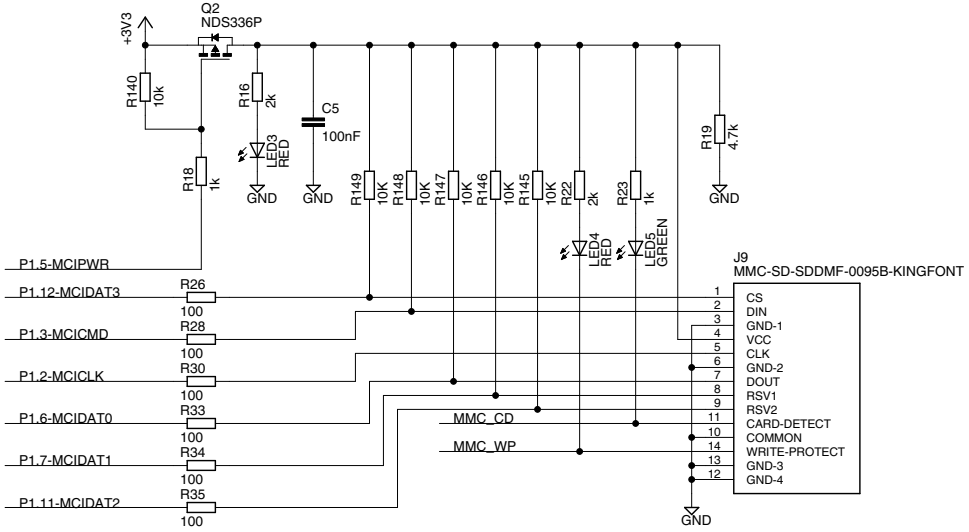


ETM Interface



Enable ETM

MMC/SD Memory Card I/F



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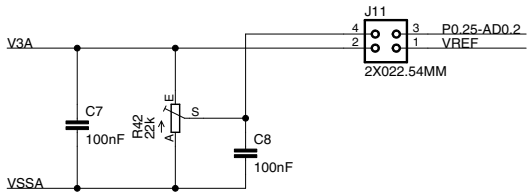
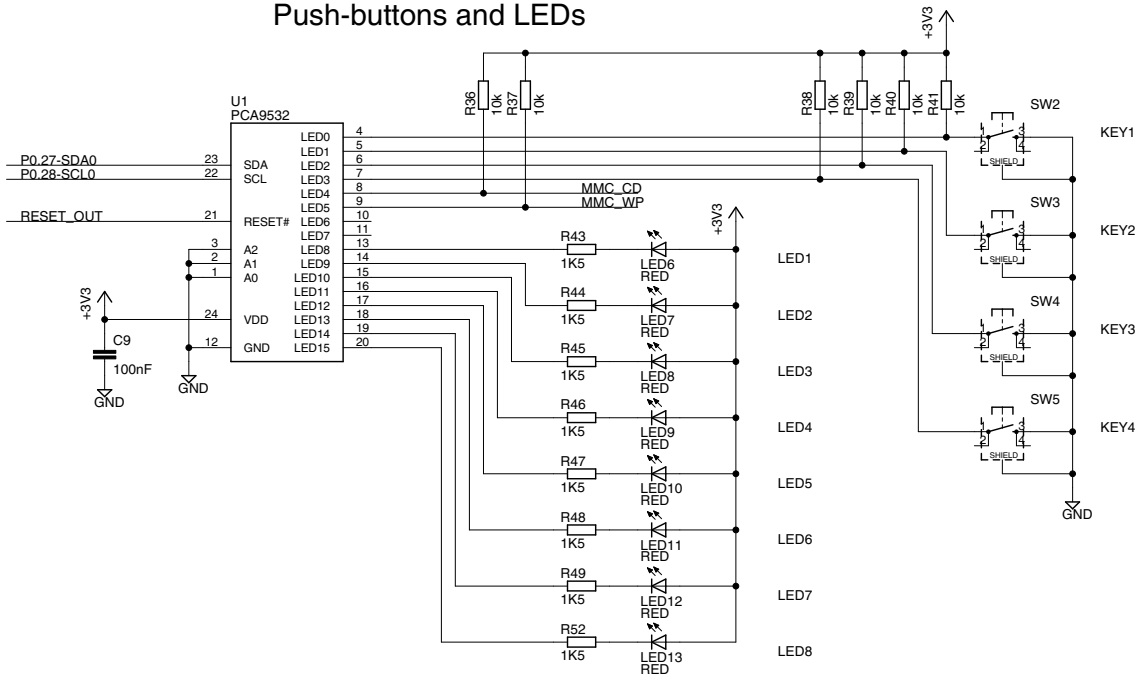
TITLE: QVGA Base Board v1.2	
Document Number:	REV:
Date: 2010-02-22 14:15:23	Sheet: 3/8

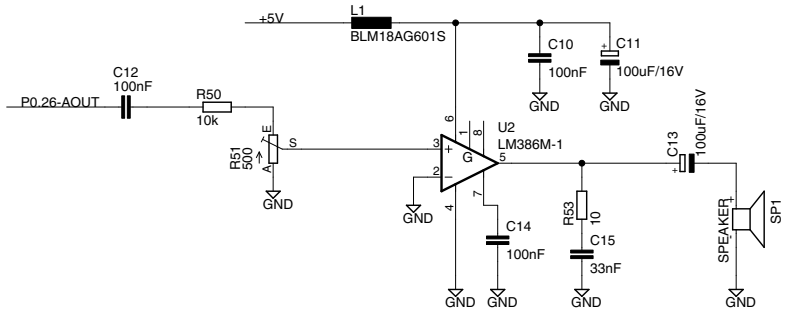
Analog Input



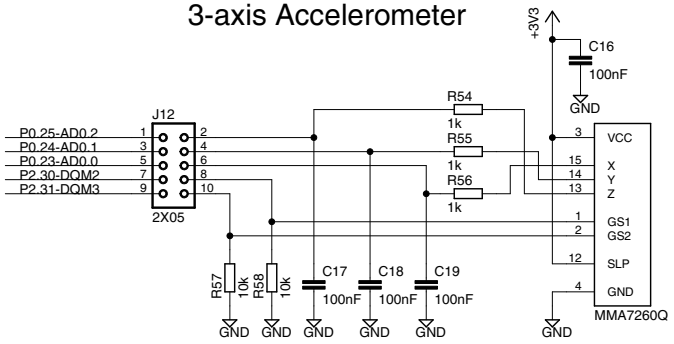
Push-buttons and LEDs



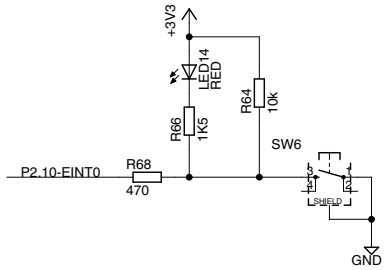
Speaker Amplifier (DAC output)



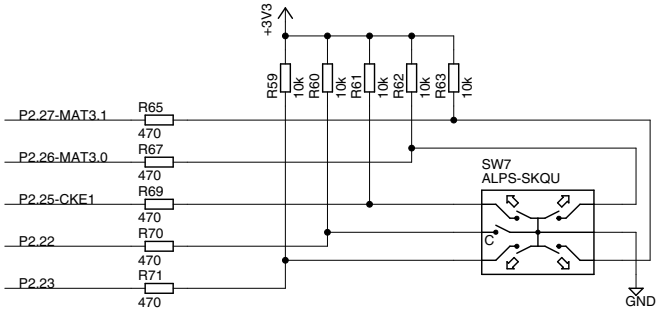
3-axis Accelerometer



Interrupt (P2.10) Key



5-key Joystick Switch



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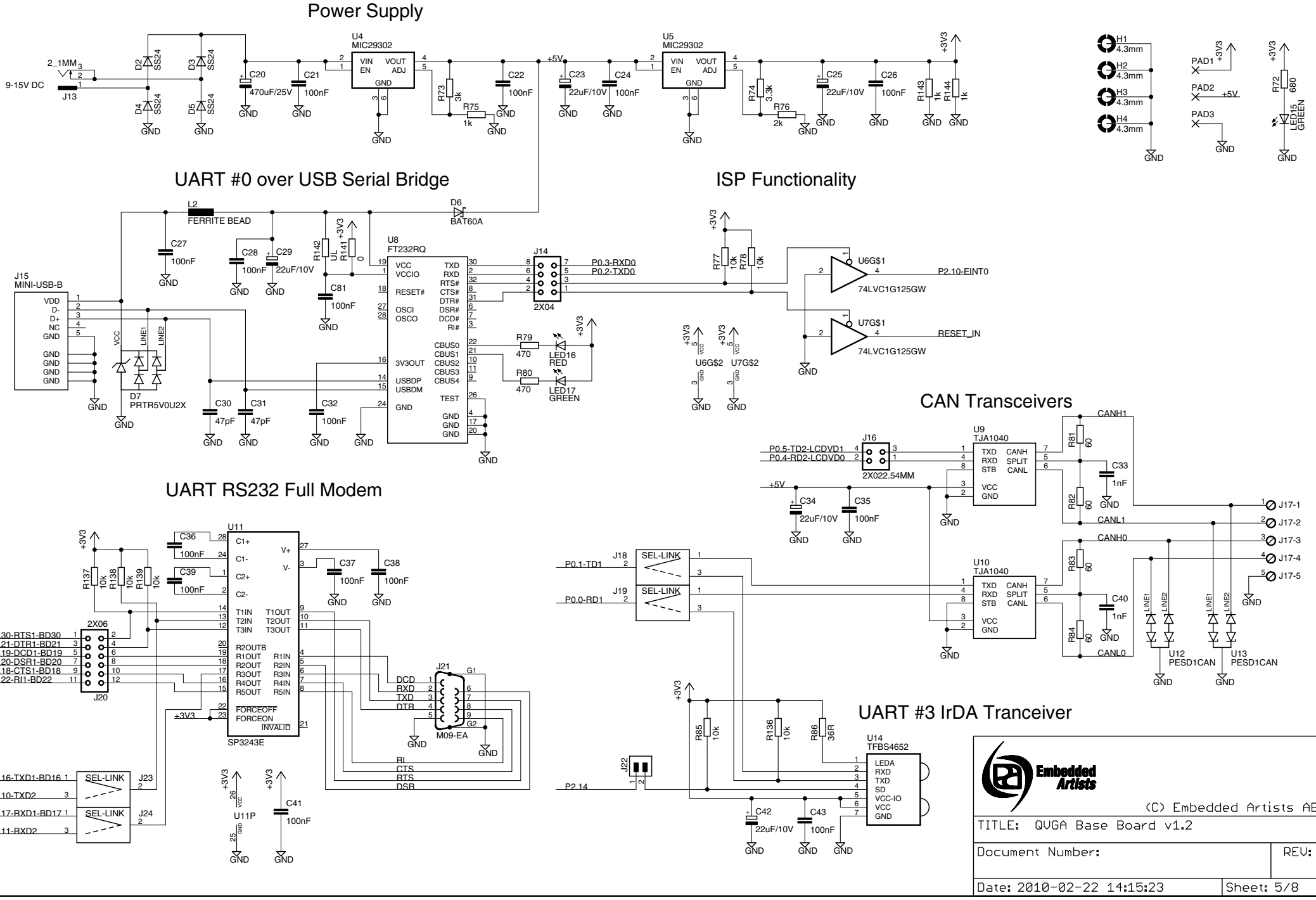
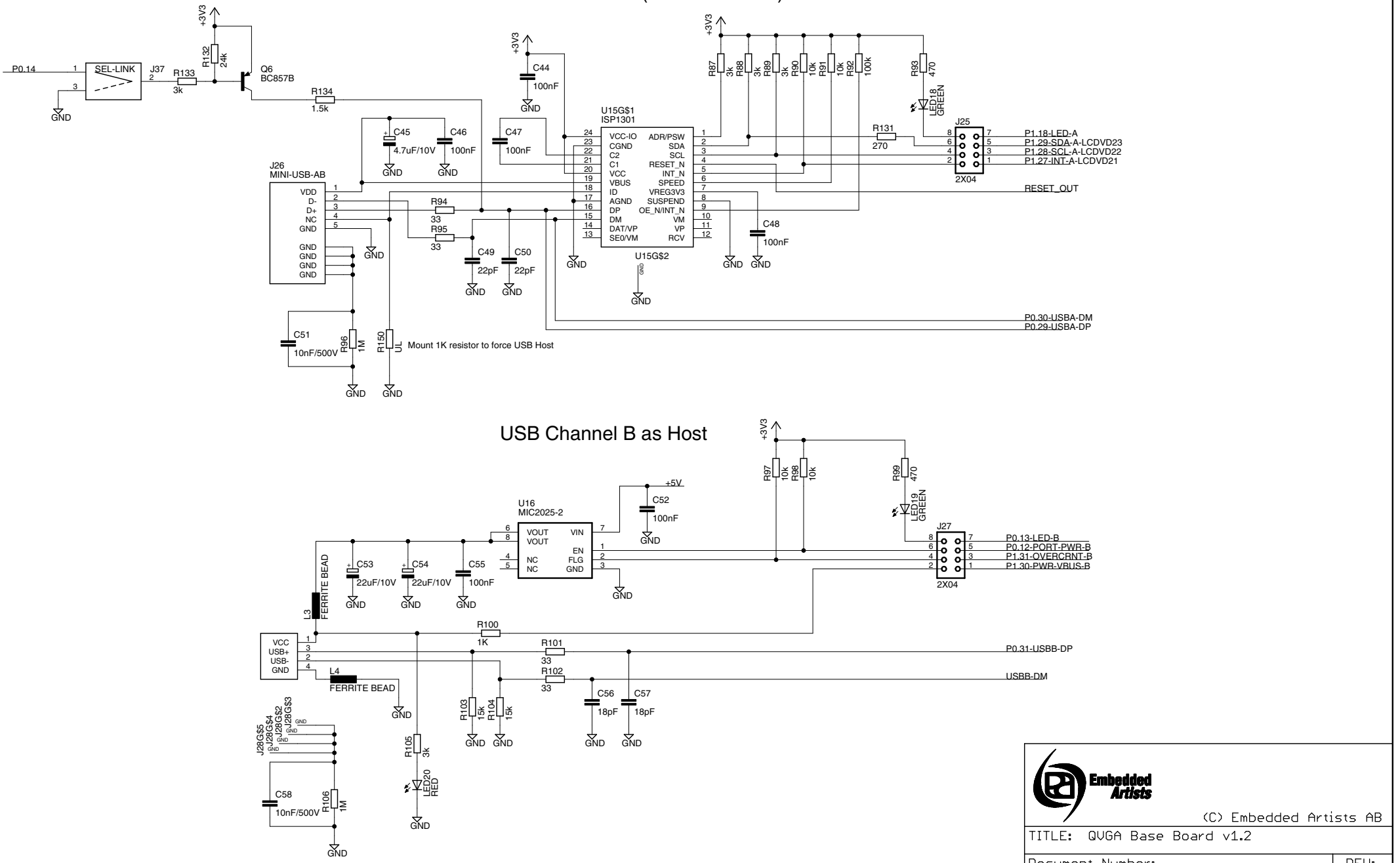
TITLE: QVGA Base Board v1.2	
Document Number:	REV:
Date: 2010-02-22 14:15:23	Sheet: 4/8


Power Supply
UART #0 over USB Serial Bridge
ISP Functionality
CAN Transceivers
UART RS232 Full Modem
UART #3 IrDA Tranceiver
(C) Embedded Artists AB
TITLE: QVGA Base Board v1.2
Document Number:
REV:
Date: 2010-02-22 14:15:23
Sheet: 5/8



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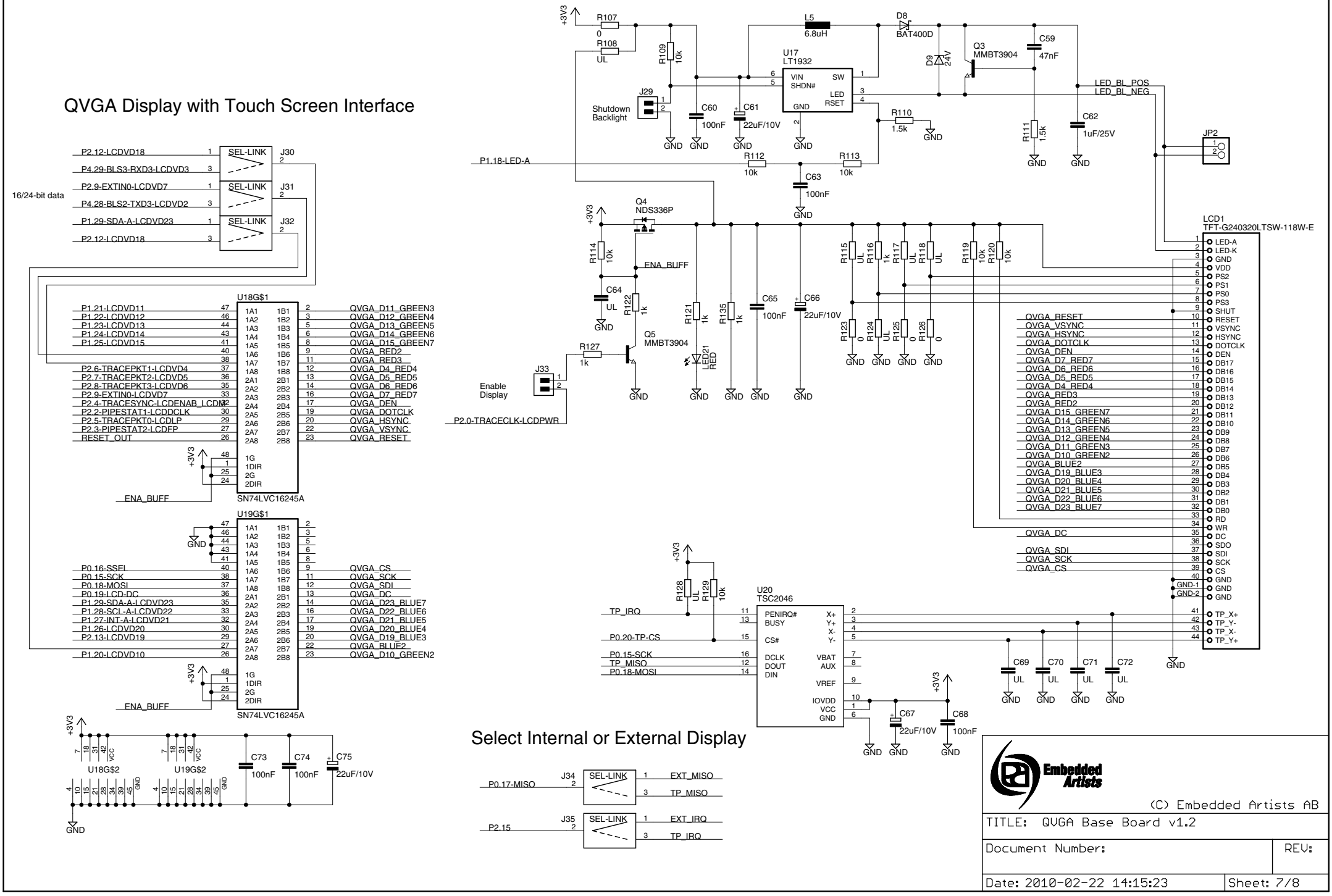
TITLE: QVGA Base Board v1.2	
Document Number:	REV:
Date: 2010-02-22 14:15:23	Sheet: 6/8

QVGA Display with Touch Screen Interface



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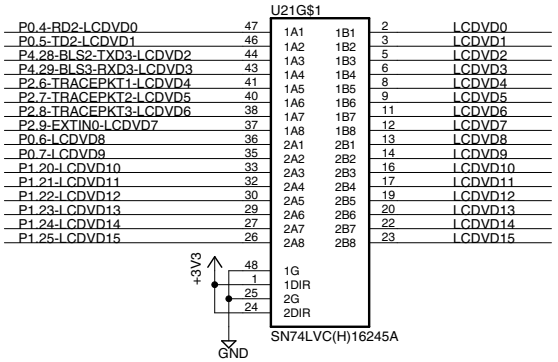
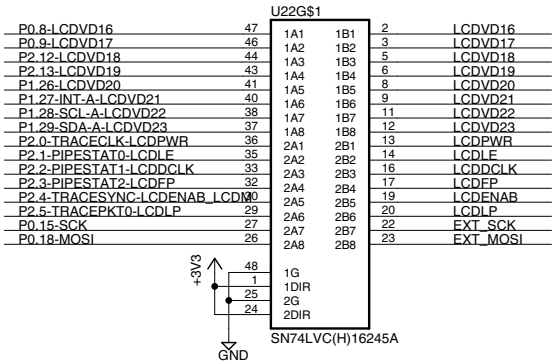
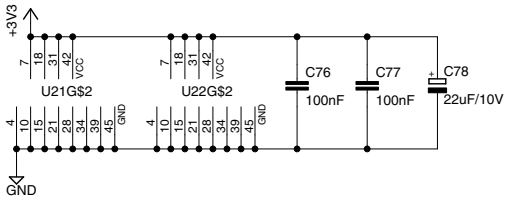
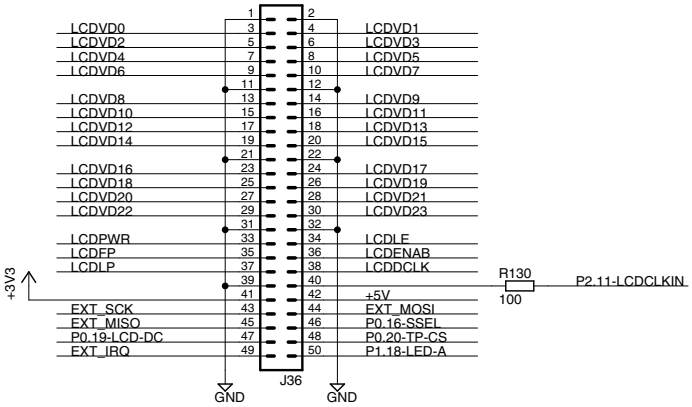
TITLE: QVGA Base Board v1.2	
Document Number:	REV:
Date: 2010-02-22 14:15:23	Sheet: 7/8

LCD Expansion Connector









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TITLE: QVGA Base Board v1.2	
Document Number:	REV:
Date: 2010-02-22 14:15:23	Sheet: 8/8