

## Page 2

Reset, oscillators, JTAG  
I2C-E2PROM, SPI-Flash

## Page 3

Power supplies

## Page 4

DDR RAM, NAND FLASH, buffers

## Page 5

Peripheral interface

## Page 6

Ethernet interface

## Page 7

USB interface

## Page 8

SODIMM edge connector 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 1.1

Changed control pins for LED3-5 to P2.10-12.  
Added voltage test points.

### Rev 1.0

Original revision



(C) Embedded Artists AB

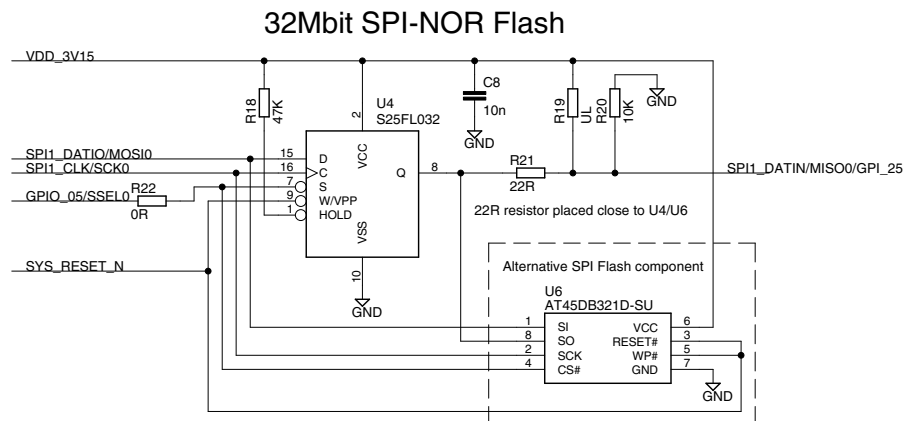
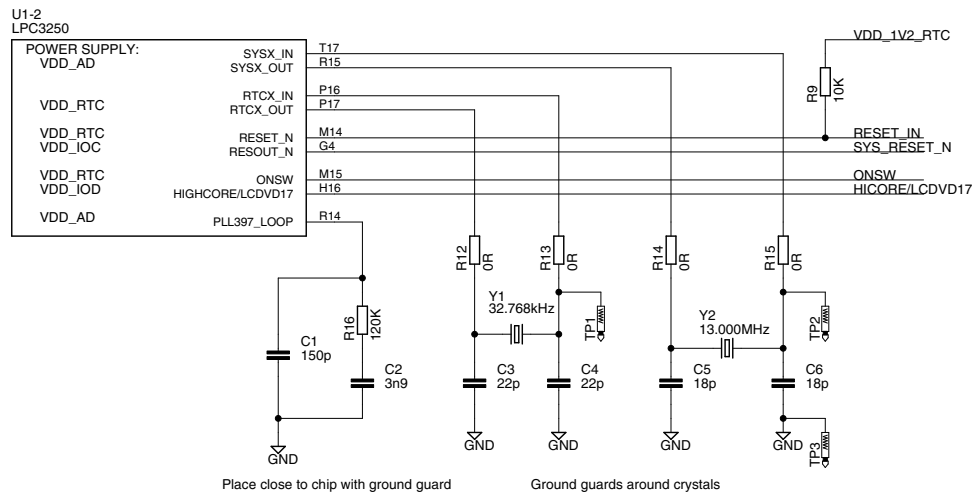
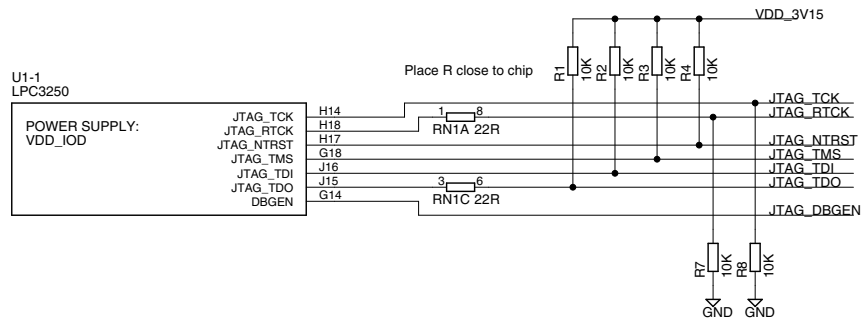
TITLE: LPC32x0 OEM Board v1.1

Document Number:

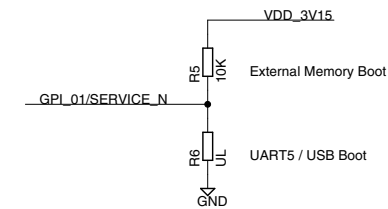
REV:

Date: 2009-09-06 20:42:49

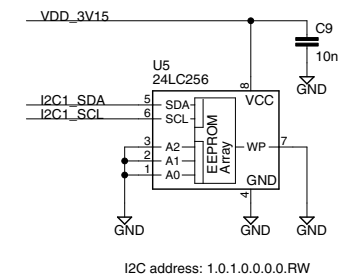
Sheet: 1/8



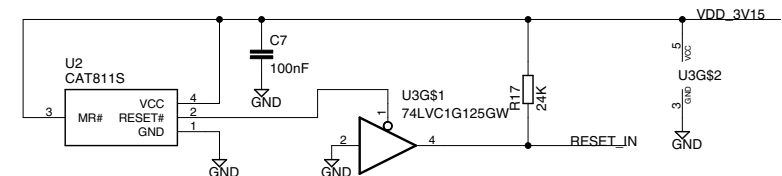
## Boot Source Selection



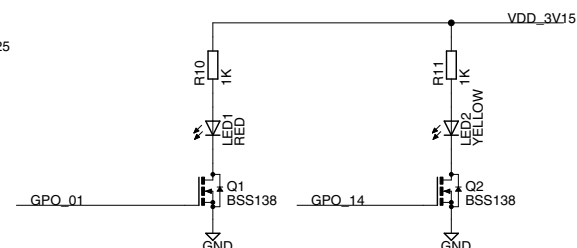
## 256kbit EEPROM




## Reset generation



## LEDs



	
(C) Embedded Artists AB	
TITLE: LPC32x0 OEM Board v1.1	
Document Number:	REV:
Date: 2009-09-06 20:42:49	Sheet: 2/8

EMC Power Supply	VDD_EMC
	VDD_EMC
	VDD_EMC
	VDD_EMC
	VDD_EMC
	VDD_EMC
	VDD_EMC
	VDD_EMC
	VDD_EMC
	VDD_EMC
	VDD_EMC
	VSS_EMC
	VSS_EMC
	VSS_EMC
	VSS_EMC
	VSS_EMC

[illegible]

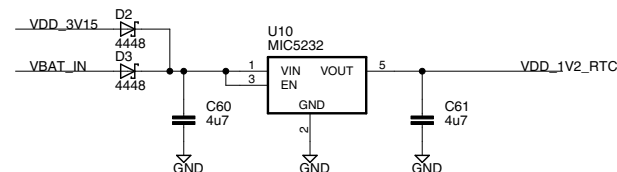
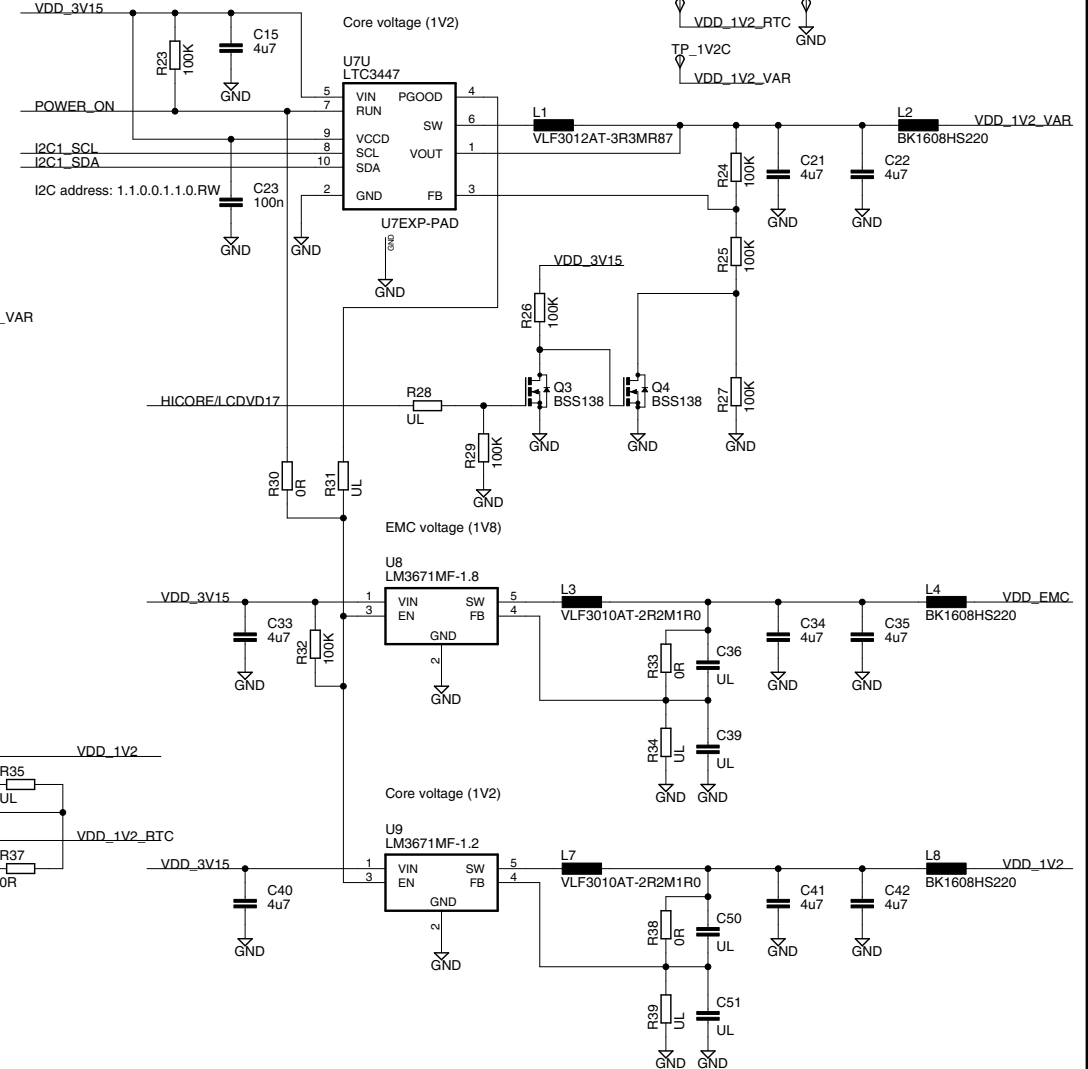
Analogue Power Supply	VDD_AD
	VDD_AD
	VSS_AD

Aux Power Supply

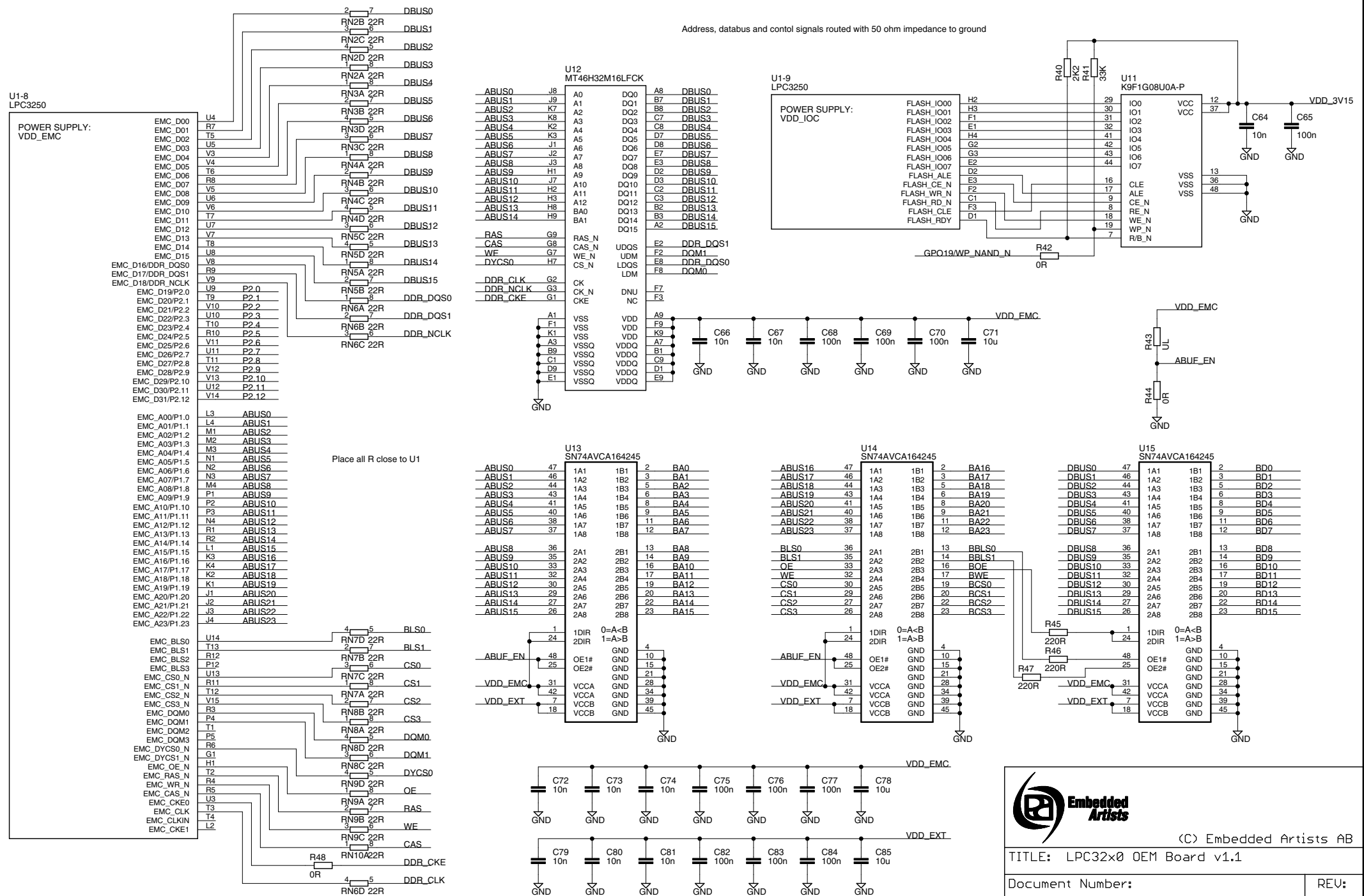
VDD_OSC	
VDD_PLL397	
VDD_PLHLCLK	
VDD_PLUSB	
VDD_RTC	
VDD_RTCORE	
VDD_RTCOSC	
VDD_FUSE	
VSS_OSC	
VSS_PLL397	
VSS_PLHLCLK	
VSS_PLUSB	
VSS_RTCORE	
VSS_RTCOSC	

IO Domain Power Supply	VDD_IOA
	VDD_IOA
	VDD_IOB
	VDD_IOC
	VDD_IOC
	VDD_IOC
	VDD_IOC
	VDD_IOC
	VDD_IOC
	VDD_IOC
	VSS_IOA
	VSS_IOB
	VSS_IOC
	VSS_IOC

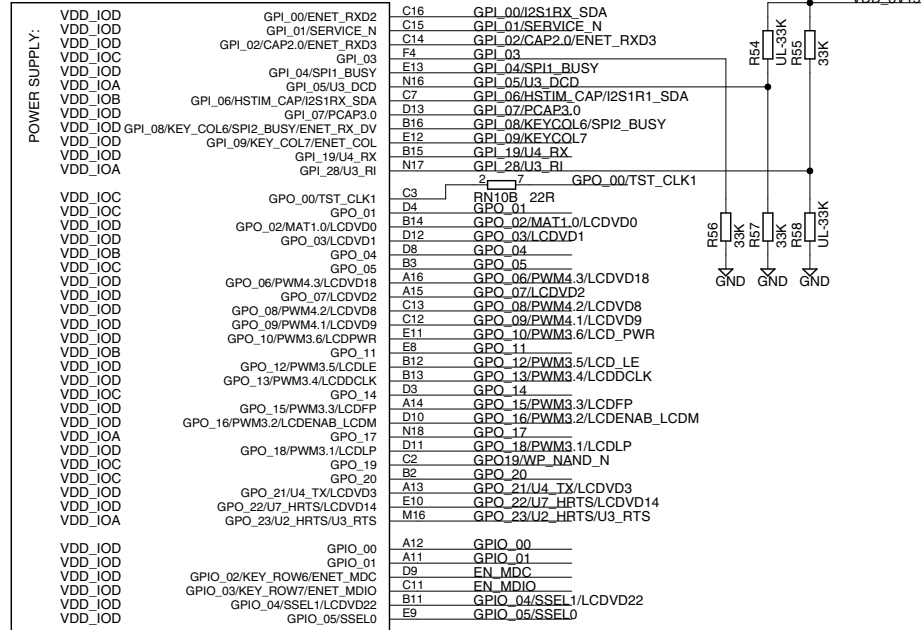
The schematic diagram illustrates the test setup for the power supply. It includes three test points (TP\_1V2A, TP\_1V2B, TP\_1V2C) connected to the 1V2 power rail (VDD\_1V2, VDD\_1V2\_RTC, VDD\_1V2\_VAR). A fourth test point (TP\_1V8) is connected to the 1V8 power rail (VDD\_EMC). A ground connection (TP\_GND) is also shown connected to GND.



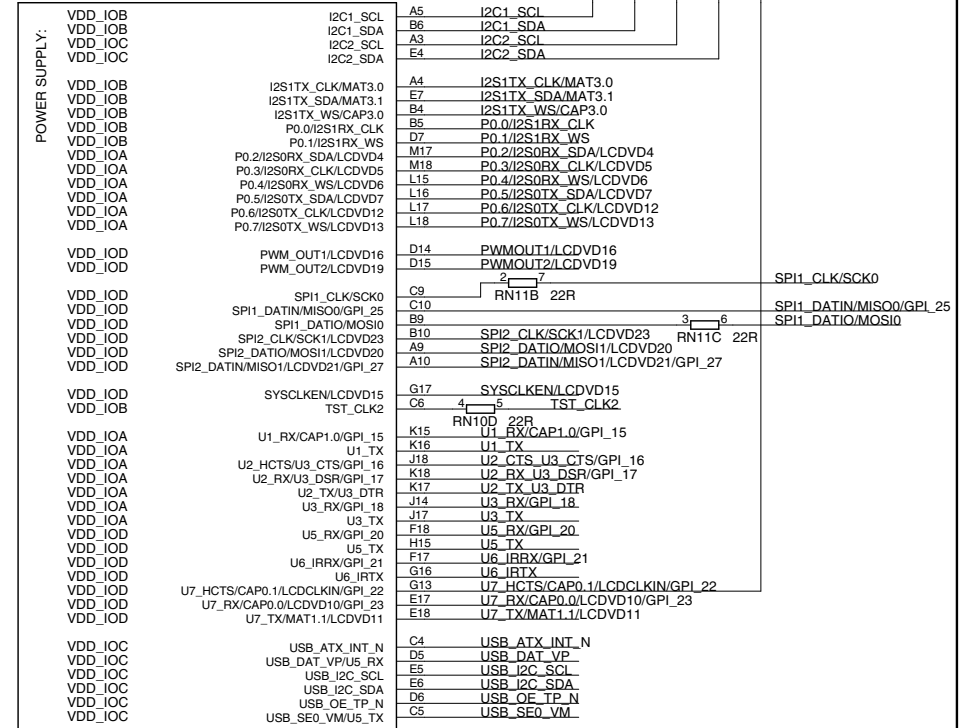
Sheet: 3/8



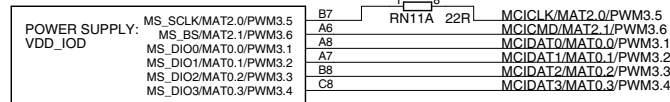
U1-10  
LPC3250



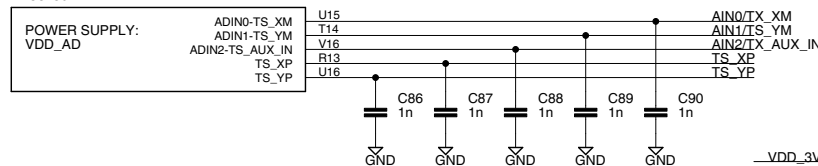
U1-11  
LPC3250



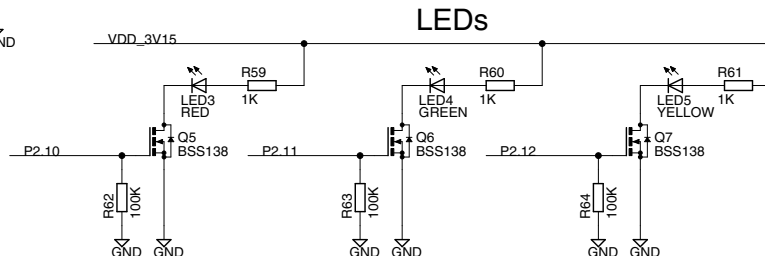
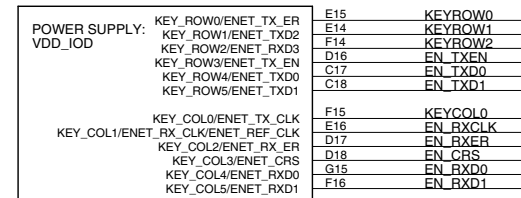
U1-14  
LPC3250



U1-13  
LPC3250



U1-12  
LPC3250



(C) Embedded Artists AB

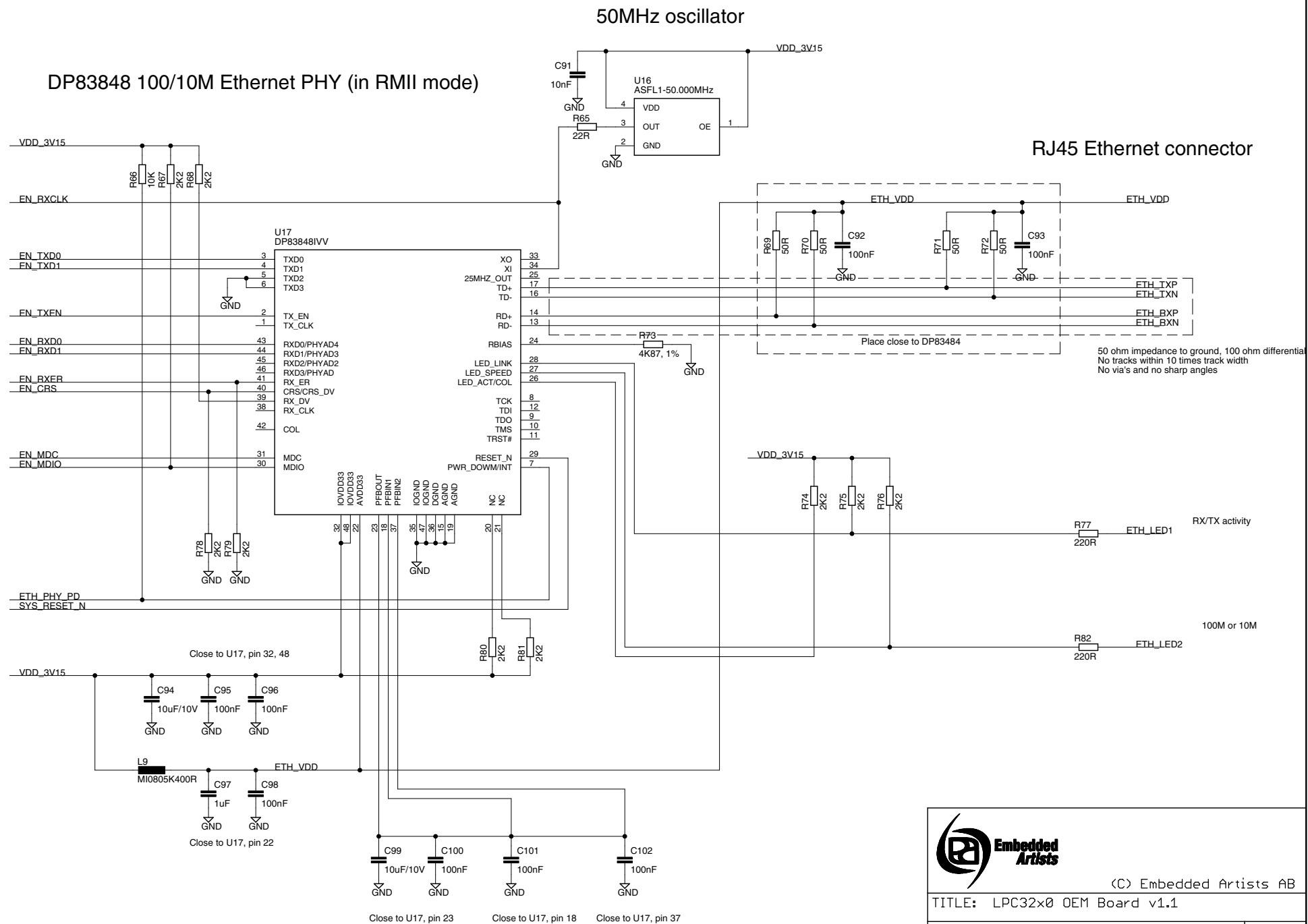
TITLE: LPC32x0 OEM Board v1.1

Document Number:

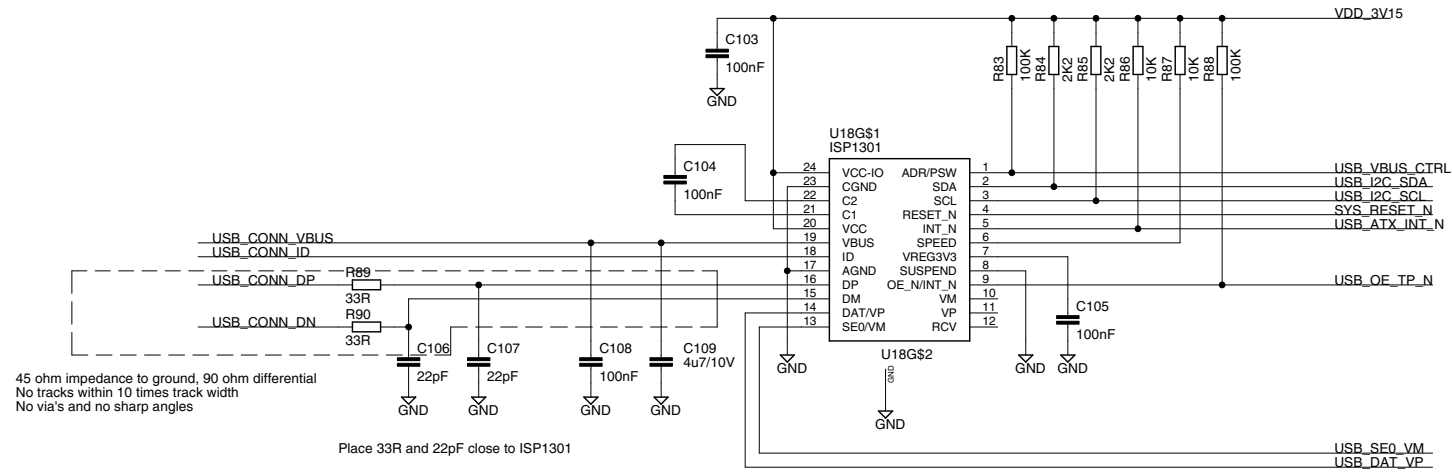
REV:

Date: 2009-09-06 20:42:49

Sheet: 5/8



## OTG USB Channel



(C) Embedded Artists AB

TITLE: LPC32x0 OEM Board v1.1

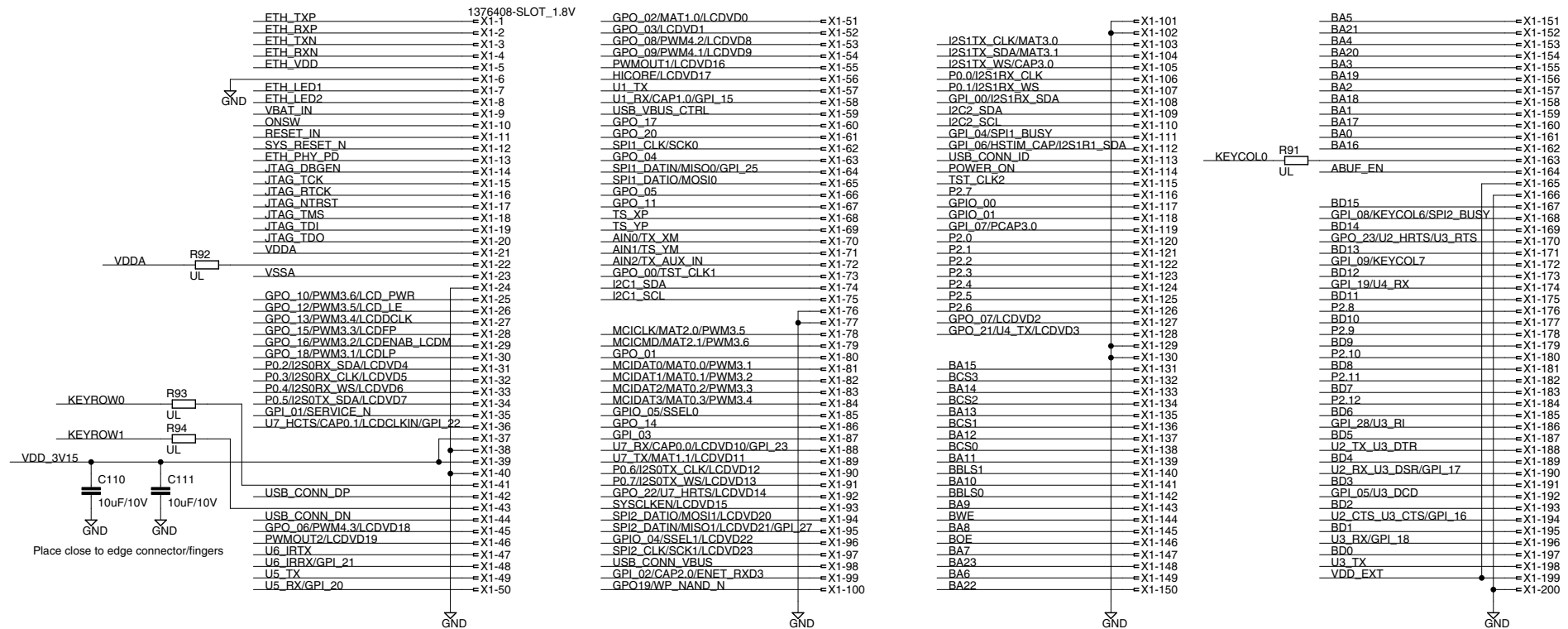
Document Number:

REV:

Date: 2009-09-06 20:42:49

Sheet: 7/8

## SODIMM-200 Edge Connector



(C) Embedded Artists AB

TITLE: LPC32x0 OEM Board v1.1

Document Number:

REV:

Date: 2009-09-06 20:42:49

Sheet: 8/8