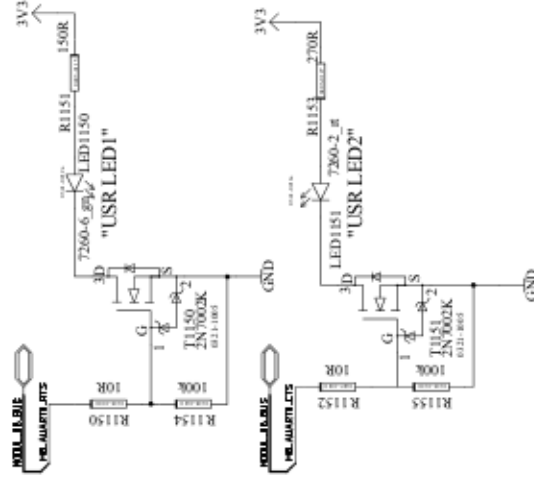
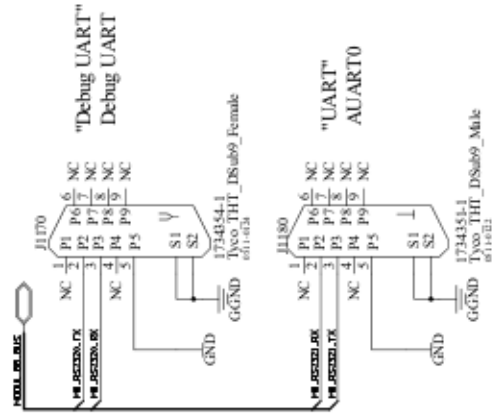


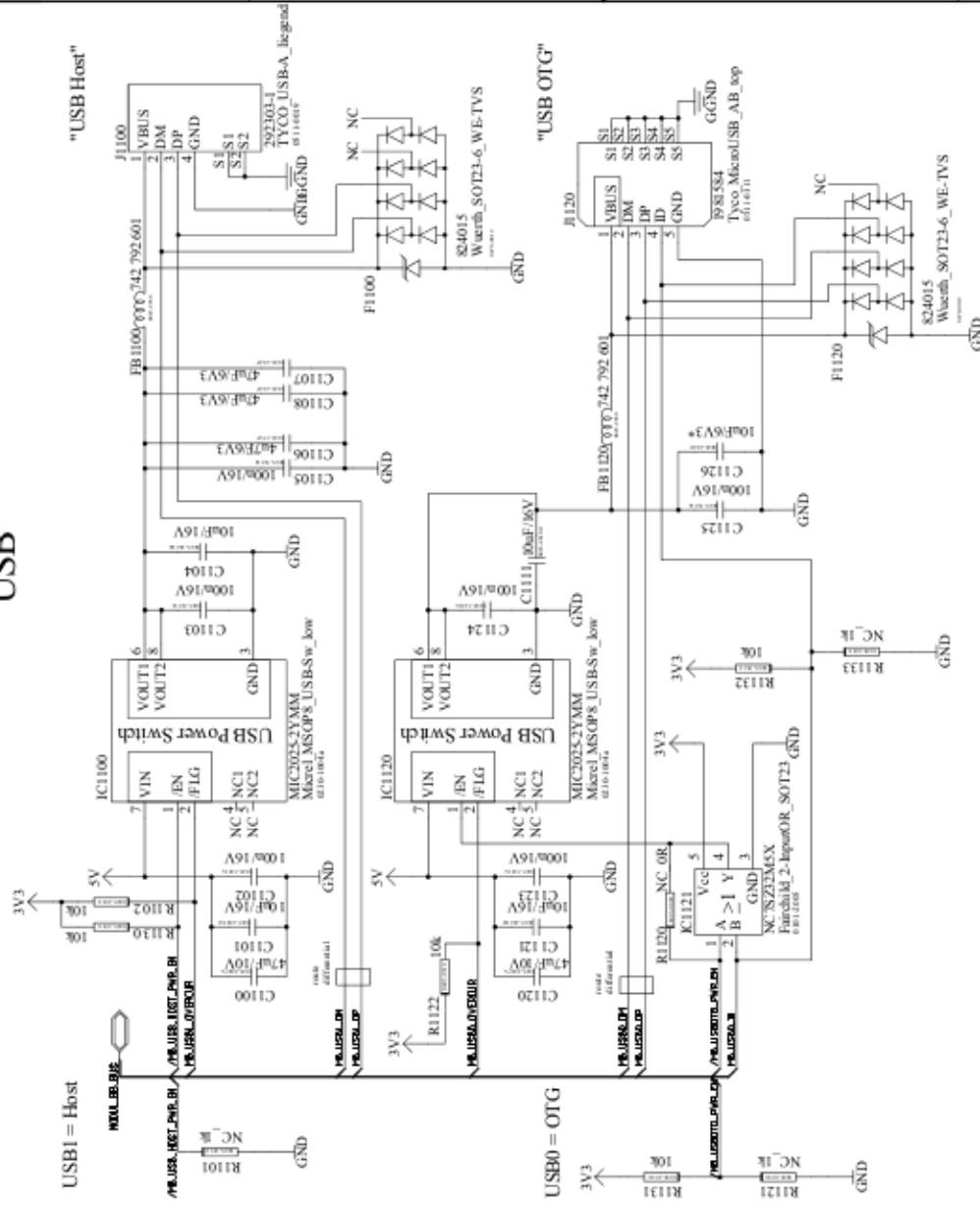
User LED



UART

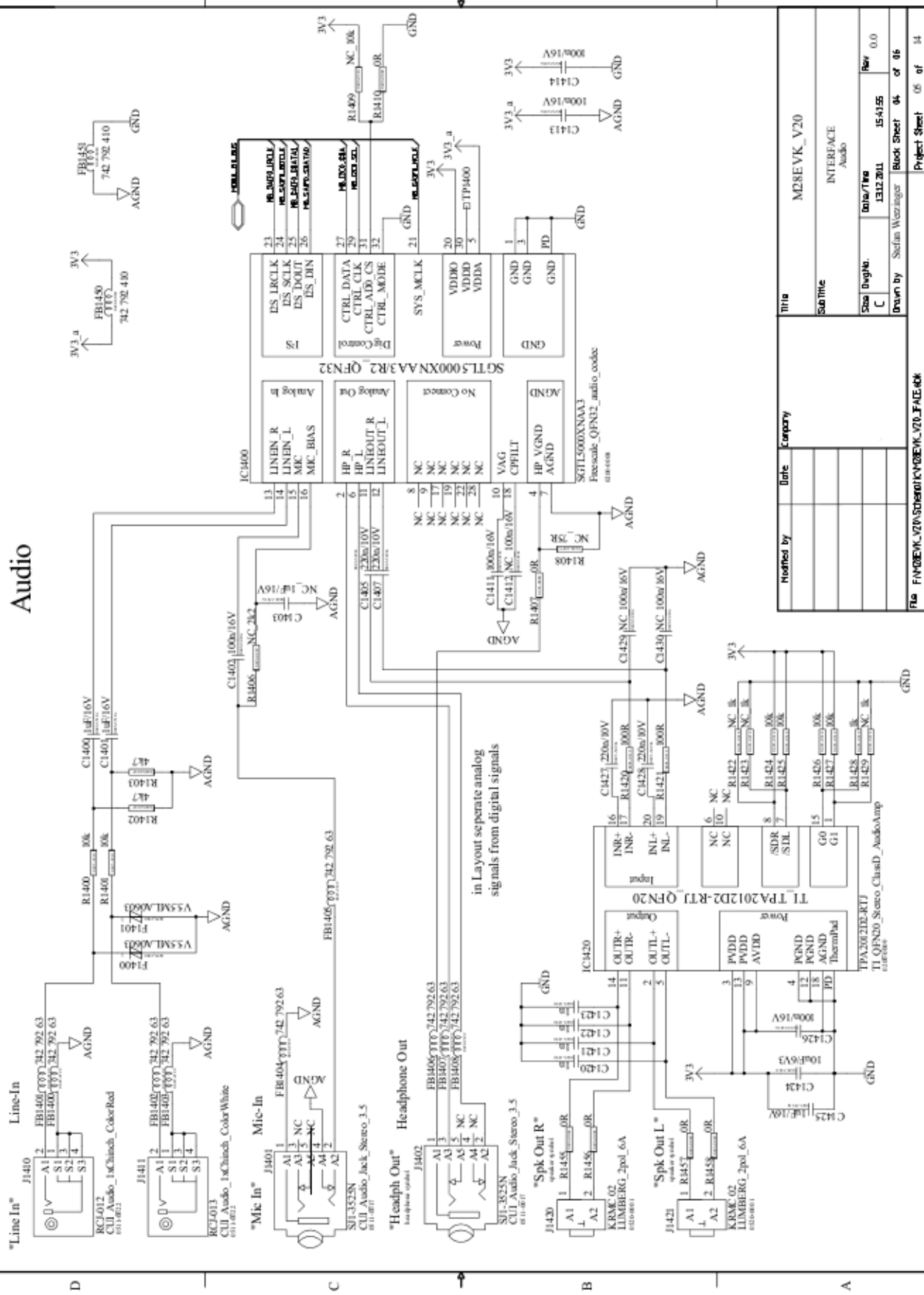


USB

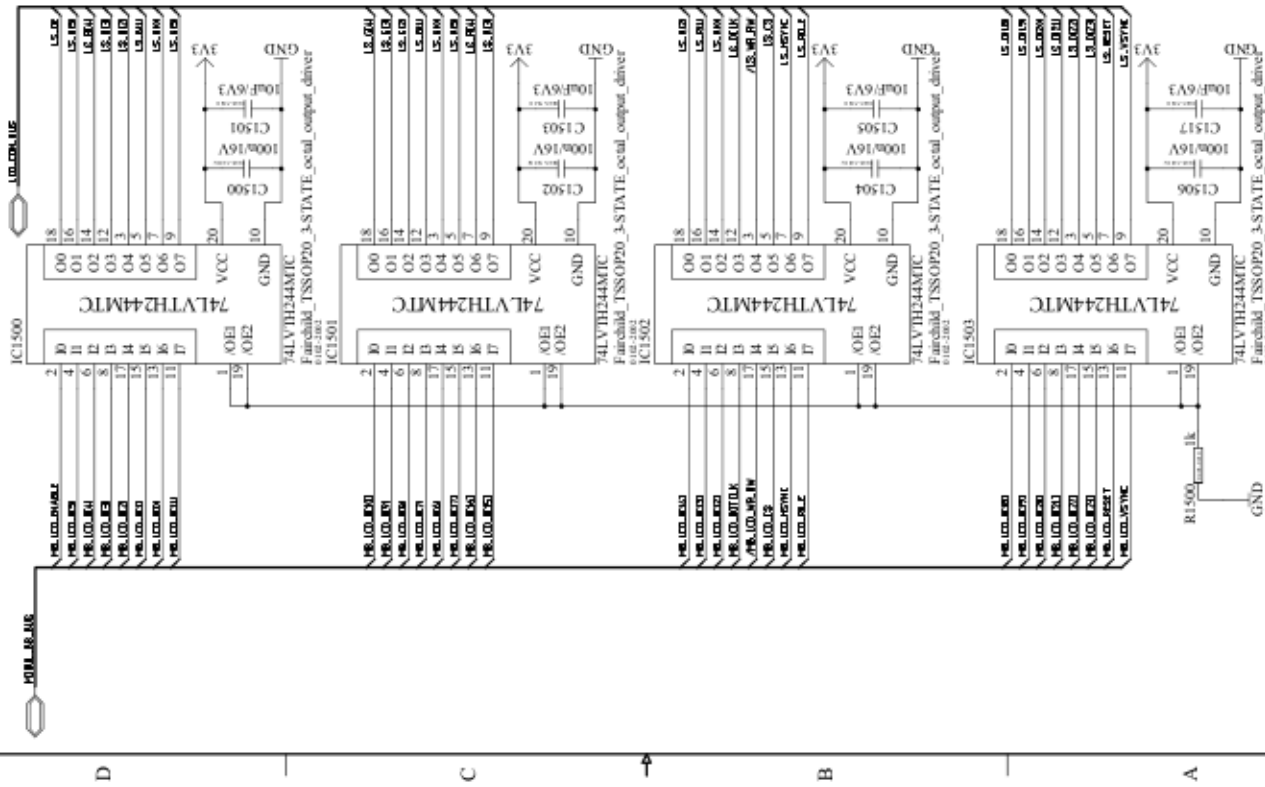


Modified by	Date	Company	Title
			MD8E VK_V20
			INTERFACE
			UART-RS232, USB
Size	DocId	Date/Time	Rev
C		13122011	154746
Drawn by	Sedfan Wenzinger	Block Sheet	of 16
Project Sheet			
File: F:\MD8E.VK_V20\Schemat\VK8E.VK_V20_INTERFACE.sch			

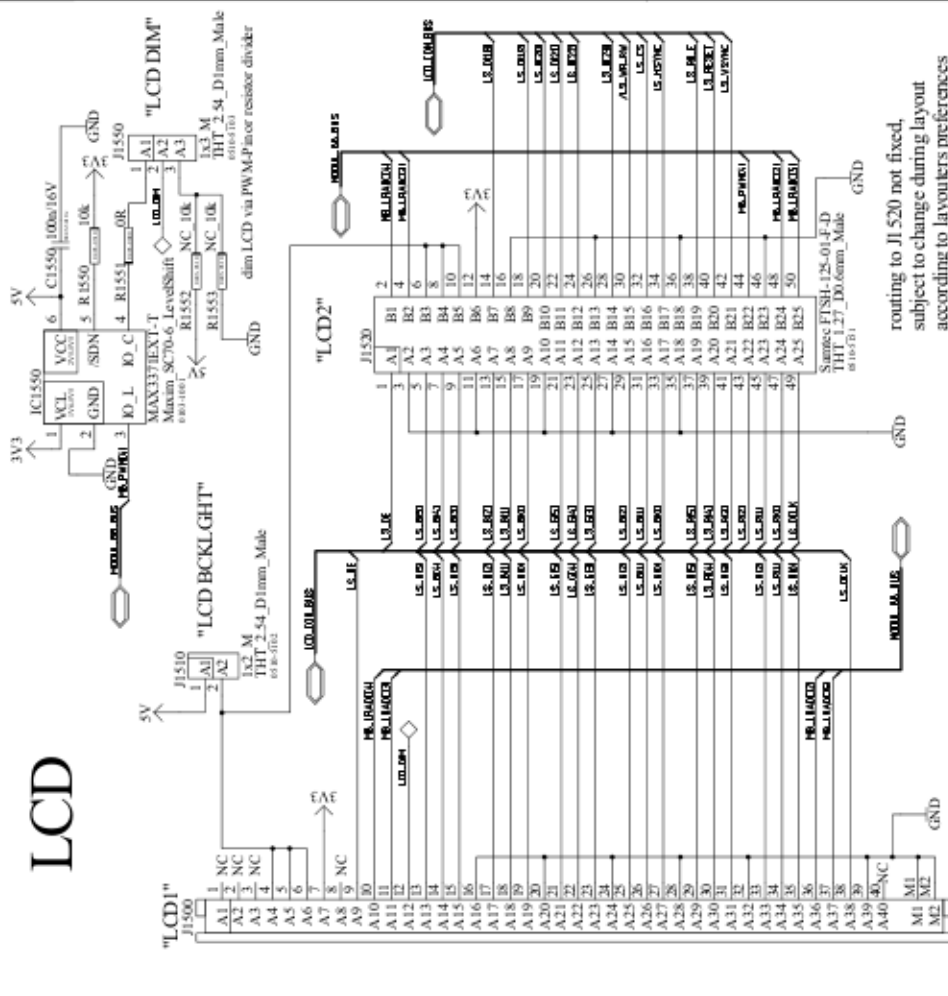
Line-In*



Notified by	Date	Category	Title
			M28EVK_V20
			INTERFACE
			Audio
			Size
			Doc#
			Date/Time
			1312 2011
			Rev
			0.0
			Drawn by
			Section Worker
			Block Sheet
			94 of 96
			Project Sheet
			06 of 14



LCD



routing to J1 520 not fixed,
subject to change during layout
according to layouters preferences

place 2 LCD jacks right behind each other
for EMC reasons

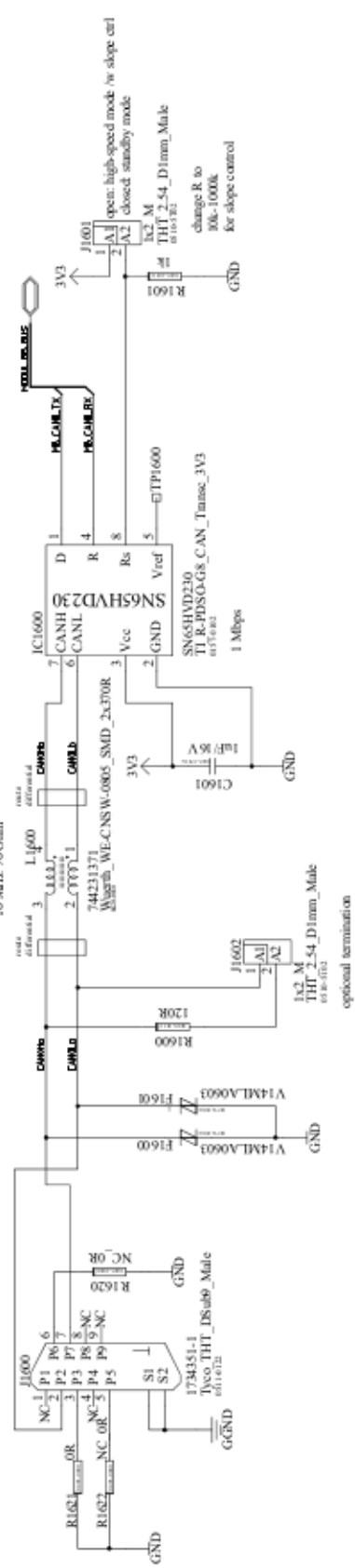
place J1500 underneath the displays
corresponding connector to avoid
bending of the cable

Modified by	Date	Company	Title
			M28EVK_V20
INTERFACE LCD			
Size	Deq/la	Date/Time	Rev
C		13.12.2011	15.41.55
Drawn by	Stefan Wenzinger		
Block Sheet		05	of 16
Project Sheet		06	of 14

File: F:\M28EVK_V20\Schemat\LCD\M28EVK_V20_INTERFACE.sch

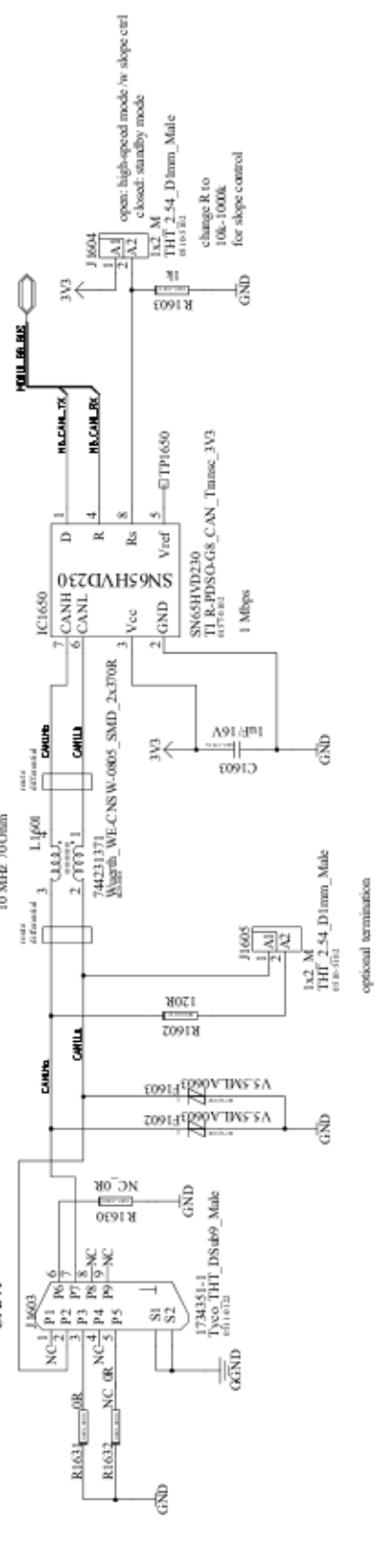
CAN0

"CAN0"



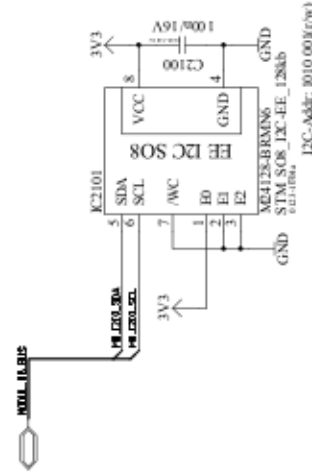
CAN1

"CAN1"

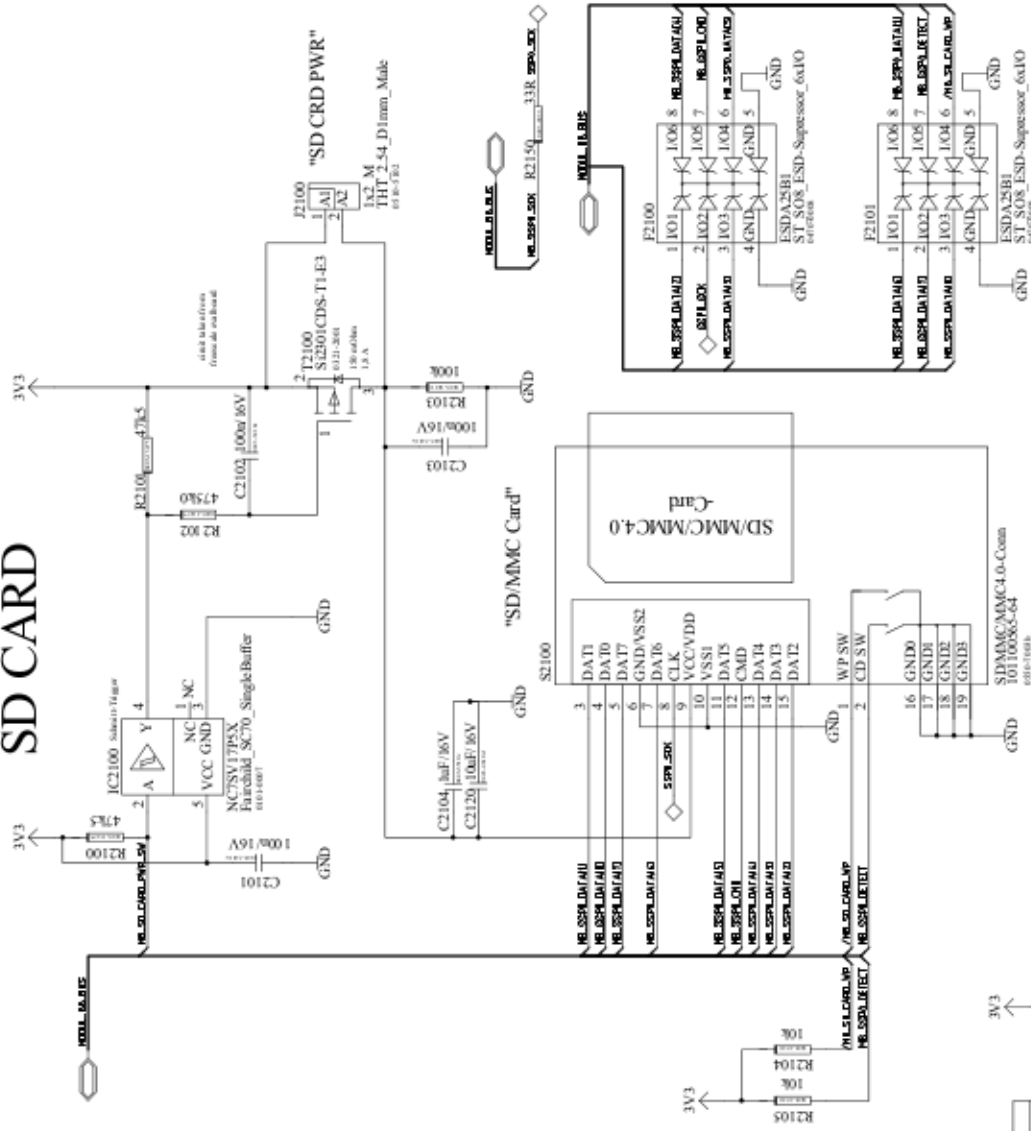


Modified by	Date	Company	Title
			ME88VK_V20
			INTERFACE
			CAN
Size	Defina	Date/Time	Rev
C		15122011	00
Drawn by	Serdar Wenzinger		
Block Sheet		16	of 16
Project Sheet		07	of 14

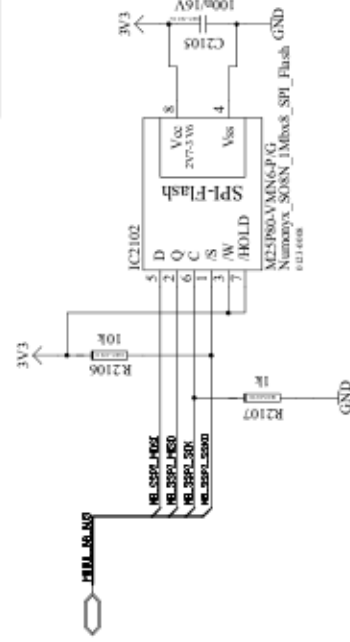
I2C EEPROM



SD CARD



SPI FLASH



Modified by	Date	Company	Title
			MD8E VK_V20
			SubTitle
			MEMORY
			SPI-Flash, I2C-EEPROM, SD-Card
			Size
			DocId
			Date/Time
			Rev
			0.0
			154436
			13122011
			Drawn by
			Sebastian Wenzinger
			Block Sheet
			01 of 01
			Project Sheet
			08 of 14

File: F:\HQB\VK_V20\Sch\VK_V20_HQM.sch

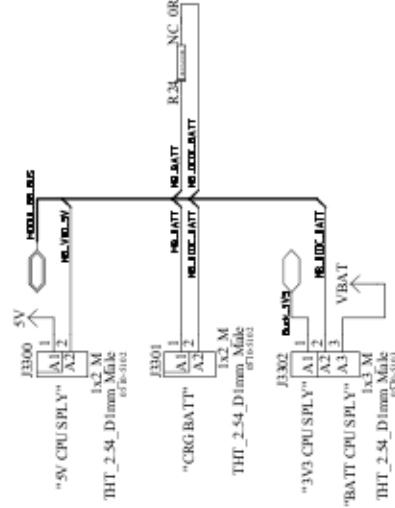
CPU/Module Configuration

power supply scenarios

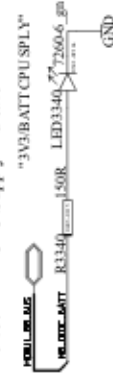
junper placement for different
module power supply scenarios

scenario	J3132 "5V CPU SPLY"	J3104 "BATT IN CPU SPLY"	J3102 "CRG BATT"
module supplied from 5V	place	no place	place
module supplied from Battery	no place	place Pin 2&3	place
module supplied from 3V3	no place	place Pin 1&2	place
module supplied from 5V, charge Battery	place	place Pin 2&3	place

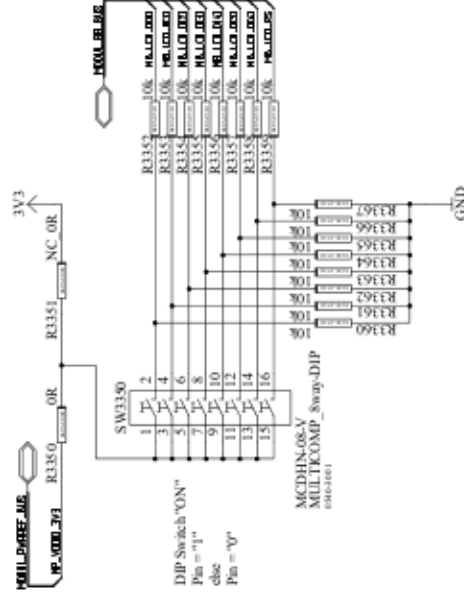
be careful, wrong placement may result in module damage!



3V3/BATT CPU Supply Indicator LED



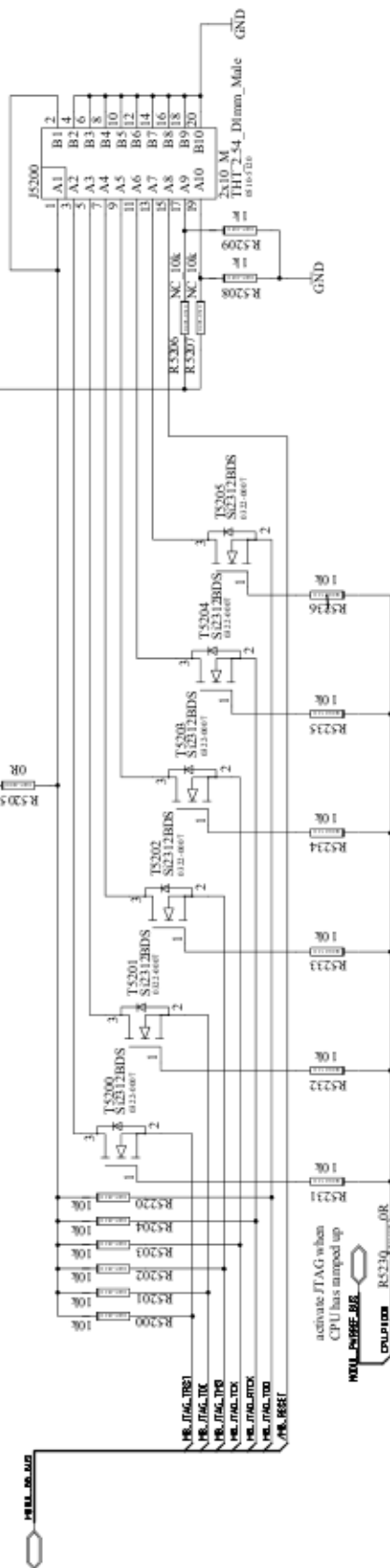
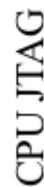
DIP Switch: Boot Mode



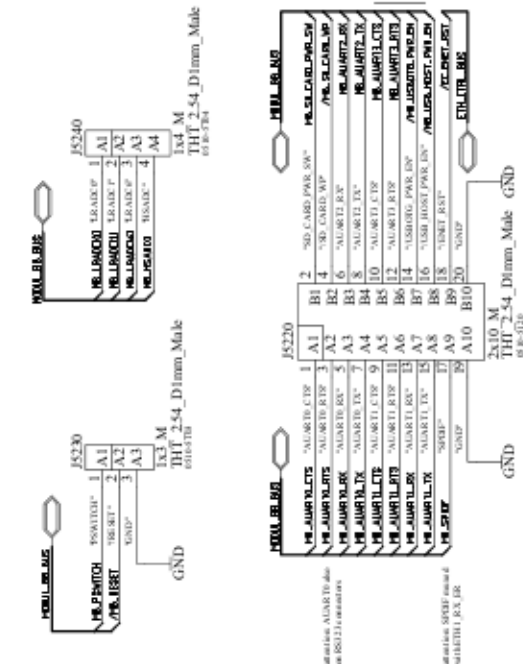
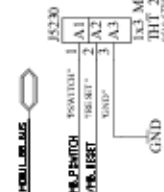
D[0..4]: boot mode
(boot mode selection map see RM pg.950)
D[5]: ETM enable
D[6]: test mode
RS: boot from resistor (high) or OTP (low)
5V: 5V to module
3V3BATT: 3V3BATT to module
Boot from SSP0 SD/MMC:
D[5](enb), D[0](kb) = x01001
Boot from JTAG:
D[5](enb), D[0](kb) = x00110

Modified by	Date	Company	Title
			MD28EVK_V20
			SLP7111a
			CPU/Module Configuration
			Size
			Defina
			Date/Time
			15/12/2011
			Rev
			0.0
			Block Sheet
			03 of 03
			Drawn by
			Sebastian Wenzinger
			Project Sheet
			11 of 14

File: F:\MD28EVK_V20\Schematic\MD28EVK_V20_POWER.sch



Pin Headers

Reference Voltages
from CPU's integrated
buck converter

Modified by	Date	Company	Title
			M28EVK_V20
			SubTitle
			CONN
			JTAG, Pin Headers
Size	Dwg No	Date/Time	Rev
C		13.12.2011	1.54/4/5
Drawn by	Sefcan Wazinger		
Block Sheet		02	of 02
File: F:\NOB-EVK_V20\Schematic\NOB-EVK_V20_CONN.sld			Project Sheet 14 of 14