
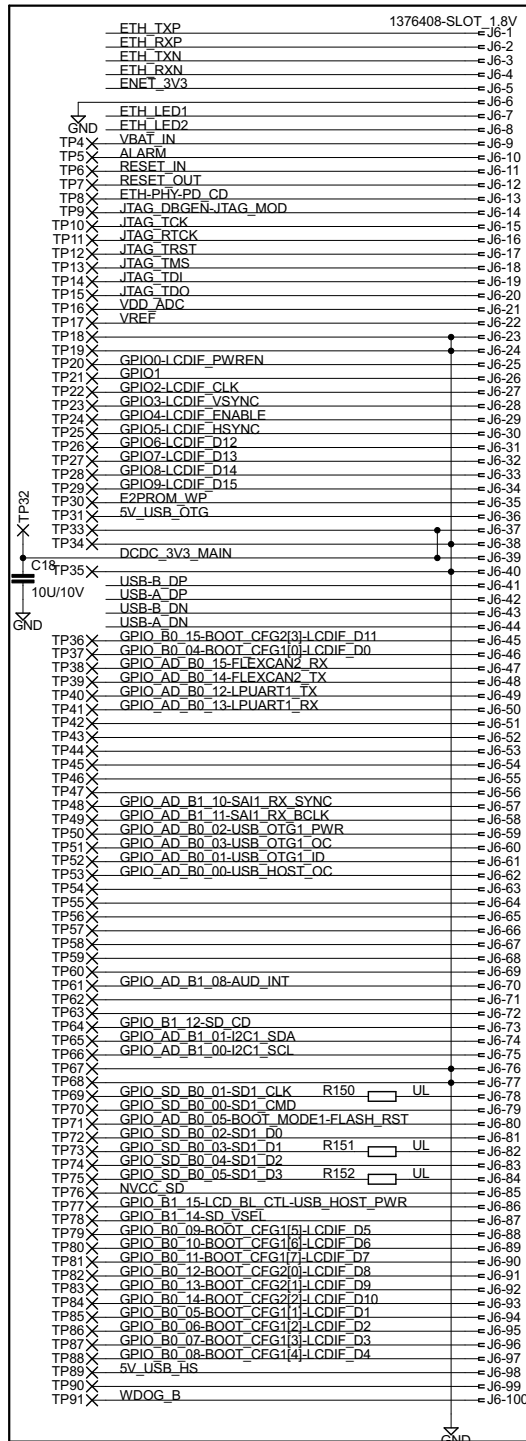


Page 2: Powering
Page 3: OEM board connector, pin 1-100
Page 4: OEM board connector, pin 101-200
Page 5: Push-buttons and LEDs
Page 6: JTAG Debug Interface
Page 7: USB Interfaces
Page 8: CAN Transceiver
Page 9: SD card interface
Page 10: LCD interface
Page 11: Ethernet Interface
Page 12: UART-to-USB bridge interface
Page 13: Audio Codec

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 A Added R147-R158, SJ1, and JP7-JP8. Change LED3 and LED9 to green. R146 UL. R49 UL. Added C95, R159-R160, TP201-TP203, U14.	
Rev PA1-PA3 First revision	
 <div style="text-align: right;">(C) Embedded Artists AB</div>	
TITLE: iMX OEM Carrier Board rev A	
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OEM board connector, pin 1-100
(200 pos SODIMM, 1V8 key)

IMX RT1052	LPC2478/1788	LPC3250	LPC4088	LPC4357
ETH_TXP	ETH_TXP	ETH_TXP	ETH_TXP	ETH_TXP
ETH_RXP	ETH_RXP	ETH_RXP	ETH_RXP	ETH_RXP
ETH_TXN	ETH_TXN	ETH_TXN	ETH_TXN	ETH_TXN
ETH_RXN	ETH_RXN	ETH_RXN	ETH_RXN	ETH_RXN
ETH_VDD	ETH_VDD	ETH_VDD	ETH_VDD	ETH_VDD
ETH_GND	ETH_GND	ETH_GND	ETH_GND	ETH_GND
ETH_LED1	ETH_LED1	ETH_LED1	ETH_LED1	ETH_LED1
ETH_LED2	ETH_LED2	ETH_LED2	ETH_LED2	ETH_LED2
VBAT_IN	VBAT_IN	VBAT_IN	VBAT_IN	VBAT_IN
ALARM	ALARM	ONSW	ALARM	ALARM
RESET_IN	RESET_IN	RESET_IN	RESET_IN	RESET
RESET_OUT	RESET_OUT	RESET_OUT	RESET_OUT	RESET
ETH_PHY_PD_CD	ETH_PHY_PD/SD_CD	ETH_PHY_PD	(SD_CD)	PE_14
JTAG_DBGEN	JTAG_DBGEN/P5.0	JTAG_DBGEN	P5.0	JTAG_DBGEN
JTAG_MOD	JTAG_TCK	JTAG_TCK	TCK	SWDCLK
JTAG_TCK	JTAG_RTCK/P5.4	JTAG_RTCK	P5.4	AD7C
JTAG_RTCK	JTAG_TRST	JTAG_TRST	JTAG_TRST	JTAG_TRST
JTAG_TMS	JTAG_TMS	JTAG_TMS	TMS	SWDIOTMS
JTAG_TDI	JTAG_TDI	JTAG_TDI	JTAG_TDI	JTAG_TDI
JTAG_TDO	JTAG_TDO	JTAG_TDO	TDO_SWO	TDO_SWO
VDD_ADC	V3A	VDDA	V3A	VDDA
VREF	VREF	NC	VREF	ADC6
GND	VSSA	VSSA	VSSA	VSSA
GND	GND	GND	GND	GND
GPIO_AD_B0_04	P2.0	GPO_10	P2.0	P7_7
GPIO_B0_00	P2.1	GPO_12	P2.1	P7_0
GPIO_B0_03	P2.2	GPO_13	P2.2	P4_7
GPIO_B0_01	P2.3	GPO_15	P2.3	P4_5
GPIO_B0_02	P2.4	GPO_16	P2.4	P4_6
GPIO_B1_00	P2.5	GPO_18	P2.5	P7_6
GPIO_B1_01	P2.6	P0.2	P2.6	P8_7
GPIO_B1_02	P2.7	P0.3	P0.10	P8_6
GPIO_B1_03	P2.8	P0.4	P2.8	P8_5
E2PROM_WP	P2.9	P0.5	P2.9	P8_4
5V_USB_OTG	P2.10	GPI_01	P2.10	ISP_EN
VCC	P2.11	U7_HCTS	P2.11	PF_4
GND	VCC	VCC	VCC	VCC
VCC	GND	GND	GND	GND
GND	VCC	VCC	VCC	VCC
GND	GND	GND	GND	GND
OTG2_DP	P0.29	NC	P0.29	USB1_DP
OTG1_DP	P0.31	USB_CONN_DP	P0.31	USB0_DP
OTG2_DN	P0.30	NC	P0.30	USB1_DM
OTG1_DN	USBB-DM	USB_CONN_DN	USBB-DM	USB0_DM
GPIO_B0_15	P2.12	GPO_06	P2.12	P7_2
GPIO_B0_04	P2.13	PWMOUT2	P2.13	P7_1
GPIO_AD_B0_15	P0.0	U6_IRTX	P0.0	P3_1
GPIO_AD_B0_14	P0.1	U6_IRRX	P0.1	P3_2
GPIO_AD_B0_12	P0.2	U5_TX	P0.2	PF_10
GPIO_AD_B0_13	P0.3	U5_RX	P0.3	PF_11
GPIO_B1_10	P0.4	GPO_02	P0.4	P4_1
GPIO_B1_11	P0.5	GPO_03	P0.5	P4_4
GPIO_AD_B0_02	P0.6	GPO_08	P0.6	P7_5
GPIO_AD_B0_03	P0.7	GPO_09	P0.7	P4_8
GPIO_AD_B0_01	P0.8	PWMOUT1	P0.8	P7_4
GPIO_AD_B0_00	P0.9	HICORE	P0.9	P7_3
GPIO_B1_10	P0.10	U1_TX	P4.22	P9_3
GPIO_B1_11	P0.11	U1_RX	P4.23	P2_4
GPIO_AD_B0_02	P0.12	USB_VBUS_CTRL	P0.12	inverted P2_3
GPIO_AD_B0_03	P0.13	GPO_17	P0.13	P9_4
GPIO_AD_B0_01	P0.14	GPO_20	P0.14	P9_5
GPIO_AD_B0_00	P0.15	SPI1_CLK	P5.2	PF_0
GPIO_B1_12	P0.16	GPO_04	P5.3	PF_1
GPIO_B1_13	P0.17	SPI1_DATIN	P5.1	PF_2
GPIO_B1_14	P0.18	SPI1_DATIO	P5.0	PF_3
GPIO_B1_15	P0.19	GPO_05	P0.19	P4_0
GPIO_B1_16	P0.20	GPO_11	P0.20	PE_15
GPIO_B1_17	P0.21	TS_XP	P0.21	ADC5
GPIO_B1_18	P0.22	TS_YP	P0.22-SPI1_CLK	ADC4
GPIO_B1_19	P0.23	AIN0	P0.23	ADC1
GPIO_B1_20	P0.24	AIN1	P0.24	ADC2
GPIO_B1_21	P0.25	AIN2	P0.25	ADC3
GPIO_B1_22	P0.26	GPO_00	P0.26	ADC0/DAC
GPIO_AD_B1_01	P0.27	I2C1_SDA	P0.27	I2C_SDA
GPIO_AD_B1_00	P0.28	I2C1_SCL	P0.28	I2C_SCL
GND	GND	GND	GND	GND
GND	GND	GND	GND	GND
GPIO_SD_B0_01	P1.2	MCICLK	P1.2	PF_5
GPIO_SD_B0_00	P1.3	MCICMD	P1.3	PC_11
GPIO_AD_B0_05	P1.5	GPO_01	P1.5	PC_3
GPIO_SD_B0_02	P1.6	MCIDAT0	P1.6	PD_4
GPIO_SD_B0_03	P1.7	MCIDAT1	P1.7	PF_7
GPIO_SD_B0_04	P1.11	MCIDAT2	P1.11	PC_14
GPIO_SD_B0_05	P1.12	MCIDAT3	P1.12	P2_5
NVCC_SD	P1.13	GPI0_05	P1.13	P8_8
GPIO_B1_15	P1.18	GPI0_14	P1.18	P9_6
GPIO_B1_14	P1.19	GPI_03	P1.19	PF_6
GPIO_B0_09	P1.20	U7_RX	P1.20	P4_10
GPIO_B0_10	P1.21	U7_TX	P1.21	P4_9
GPIO_B0_11	P1.22	P0.6	P1.22	P8_3
GPIO_B0_12	P1.23	P0.7	P1.23	P8_6
GPIO_B0_13	P1.24	GPO_22	P1.24	P8_5
GPIO_B1_14	P1.25	SYSCLOCK	P1.25	P8_4
GPIO_B0_05	P1.26	SPI2_DATIO	P1.26	P8_3
GPIO_B0_06	P1.27	SPI2_DATIN	P1.27	P8_2
GPIO_B0_07	P1.28	GPI0_04	P1.28	P8_1
GPIO_B0_08	P1.29	SPI2_CLK	P1.29	P8_0
5V_USB_HS	P1.30	USB_CONN_VBUS	P1.30	USB0_VBUS
WDOG_B	P1.31	GPI_02	P1.31	P8_0
NAND_FLASH_RDY	GPIO_19	NAND_FLASH_RDY	NAND_FLASH_RDY	NAND_FLASH_RDY



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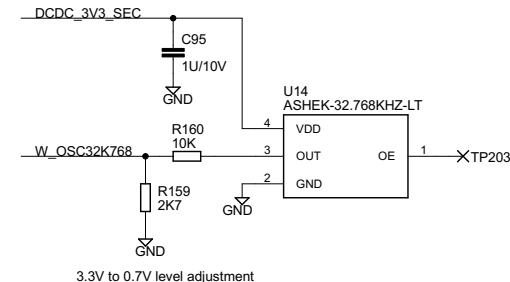
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		iMX RT1052	LPC2478/1788	LPC3250	LPC4088	LPC4357
TP92X		GND	GND	GND	GND	GND
TP93X		GND	GND	GND	GND	GND
TP94X	GPIO_AD_B1_14-SAI1_TX_BCLK	GPIO_AD_B1_14 NC	GPIO_AD_B1_14 NC	I2S1TX_CLK NC	P3_0	P3_0
TP95X	GPIO_AD_B1_13-SAI1_TXD	GPIO_AD_B1_13 NC	GPIO_AD_B1_13 NC	I2S1TX_SDA NC	PC_12	PC_12
TP96X	GPIO_AD_B1_15-SAI1_TX_SYNC	GPIO_AD_B1_15 NC	GPIO_AD_B1_15 NC	I2S1TX_WS NC	PC_13	PC_13
TP97X		NC	NC	P0_0	NC	P6_0
TP98X	GPIO_SD_B1_04-FLEXSPI_CLK_B	GPIO_SD_B1_04 NC/P5.4	GPIO_SD_B1_04 NC/P5.4	P0.1	P5.4	P6_1
TP99X	GPIO_AD_B1_12-SAI1_RXD	GPIO_AD_B1_12 NC/P5.3	GPIO_AD_B1_12 NC/P5.3	GPI_00	P5.3	P6_2
TP100X	POR_B	NC/P5.2	NC/P5.2	POR_B	P5.2	WAKEUP3
TP101X	Q100E	NC	NC	I2C2_SCL	NC	WAKEUP2
TP102X	OTG1_CHD	OTG1_CHD NC/P1.16	OTG1_CHD NC	GPI_04	P1.16	WAKEUP1
TP103X	WAKEUP	WAKEUP NC	WAKEUP NC	GPI_06	NC	WAKEUP0
TP104X		NC/BCS1	NC/BCS1	USB_CONN_IDBCS1	USB0_ID	USB0_ID
TP105X		NC/P4.30	NC/P4.30	POWER_ON	P4.30	SAMPLE
TP106X	GPIO_AD_B1_09-SAI1_MCLK	GPIO_AD_B1_09 NC/P1.16	GPIO_AD_B1_09 NC/P1.16	TST_CLK2	P1.16	CLK2_OUT
TP107X	PMIC_ON_REQ	PMIC_ON_REQ P2.14	PMIC_ON_REQ P2.14	P2.7	P2.14	P9_2
TP108X	EXT_PWR_EN	EXT_PWR_EN P2.15	EXT_PWR_EN P2.15	GPIO_00	P2.15	P8_1
TP109X	PERI_PWREN	PERI_PWREN P2.19	PERI_PWREN P2.19	GPIO_01	P2.19	P8_2
TP110X	GPIO_B1_13-WDOG_B	GPIO_B1_13 P2.21	GPIO_B1_13 P2.21	GPI_07	P2.21	PC_2
TP111X	GPIO_AD_B1_02	GPIO_AD_B1_02 P2.22	GPIO_AD_B1_02 P2.22	P2.0	P2.22	PA_1
TP112X	GPIO_AD_B1_03	GPIO_AD_B1_03 P2.23	GPIO_AD_B1_03 P2.23	P2.1	P2.23	PA_2
TP113X	GPIO_AD_B1_04	GPIO_AD_B1_04 P2.25	GPIO_AD_B1_04 P2.25	P2.2	P2.25	PA_3
TP114X	GPIO_AD_B1_05	GPIO_AD_B1_05 P2.26	GPIO_AD_B1_05 P2.26	P2.3	P2.26	P9_0
TP115X	GPIO_AD_B1_06	GPIO_AD_B1_06 P2.27	GPIO_AD_B1_06 P2.27	P2.4	P2.27	P9_1
TP116X	GPIO_AD_B1_07	GPIO_AD_B1_07 P2.30	GPIO_AD_B1_07 P2.30	P2.5	P2.30	PF_8
TP117X	CCM_CLK1_N	CCM_CLK1_N P2.31	CCM_CLK1_N P2.31	P2.6	P2.31	PF_9
TP118X		P4.28	P4.28	GPO_07	P4.28	P4_3
TP119X	CCM_CLK1_P	CCM_CLK1_P P4.29	CCM_CLK1_P P4.29	GPO_21	P4.29	P4_2
TP120X		GND	GND	GND	GND	GND
TP121X		GND	GND	GND	GND	GND
TP122X		GND	GND	GND	GND	GND
TP123X		-/SEMC_DQS BA15	-/SEMC_DQS BA15	BA15	BA15	BA15
TP124X		-/SEMC_DM1 BQDM1/BCS2	-/SEMC_DM1 BQDM1/BCS2	BCS3	BCS2	BCS2
TP125X		-/SEMC_CLK BA14	-/SEMC_CLK BA14	BA14	BA14	BA14
TP126X		-/SEMC_DM0 BQDM0/BCS0	-/SEMC_DM0 BQDM0/BCS0	BCS2	BCS0	BCS0
TP127X		-/SEMC_CKE BA13	-/SEMC_CKE BA13	BA13	BA13	BA13
TP128X		-/SEMC_CAS BCAS/BBL3	-/SEMC_CAS BCAS/BBL3	BCS1	BBL3	BBL3
TP129X		-/SEMC_A12 BA12	-/SEMC_A12 BA12	BA12	BA12	BA12
TP130X		-/SEMC_RAS BRAS/BBL2	-/SEMC_RAS BRAS/BBL2	BCS0	BBL2	BBL2
TP131X		-/SEMC_A11 BA11	-/SEMC_A11 BA11	BA11	BA11	BA11
TP132X		-/SEMC_BA1 BBL1	-/SEMC_BA1 BBL1	BBL1	BBL1	BBL1
TP133X		-/SEMC_A10 BA10	-/SEMC_A10 BA10	BA10	BA10	BA10
TP134X		-/SEMC_BA0 BBL0	-/SEMC_BA0 BBL0	BBL0	BBL0	BBL0
TP135X		-/SEMC_A9 BA9	-/SEMC_A9 BA9	BA9	BA9	BA9
TP136X		-/SEMC_WE BWE	-/SEMC_WE BWE	BWE	BWE	BWE
TP137X		-/SEMC_A8 BA8	-/SEMC_A8 BA8	BA8	BA8	BA8
TP138X		-/SEMC_CS0 BOE	-/SEMC_CS0 BOE	BOE	BOE	BOE
TP139X	GPIO_EMC_41	-/SEMC_A7 BA7	-/SEMC_A7 BA7	BA7	BA7	BA7
TP140X	GPIO_EMC_40	-/SEMC_A6 BA6	-/SEMC_A6 BA6	BA6	BA6	BA6
TP141X		GPIO_EMC_40 BA22	GPIO_EMC_40 BA22	BA22	BA22	BA22
TP142X		-/SEMC_A5 BA5	-/SEMC_A5 BA5	BA5	BA5	BA5
TP143X	GPIO_B1_04	GPIO_B1_04 BA21	GPIO_B1_04 BA21	BA21	BA21	BA21
TP144X		-/SEMC_A4 BA4	-/SEMC_A4 BA4	BA4	BA4	BA4
TP145X	GPIO_B1_05	GPIO_B1_05 BA20	GPIO_B1_05 BA20	BA20	BA20	BA20
TP146X	GPIO_B1_06	-/SEMC_A3 BA3	-/SEMC_A3 BA3	BA3	BA3	BA3
TP147X		GPIO_B1_06 BA19	GPIO_B1_06 BA19	BA19	BA19	BA19
TP148X	GPIO_B1_07	-/SEMC_A2 BA2	-/SEMC_A2 BA2	BA2	BA2	BA2
TP149X		GPIO_B1_07 BA18	GPIO_B1_07 BA18	BA18	BA18	BA18
TP150X	GPIO_B1_08	-/SEMC_A1 BA1	-/SEMC_A1 BA1	BA1	BA1	BA1
TP151X		GPIO_B1_08 BA17	GPIO_B1_08 BA17	BA17	BA17	BA17
TP152X		-/SEMC_A0 BA0	-/SEMC_A0 BA0	BA0	BA0	BA0
TP153X	GPIO_B1_09	GPIO_B1_09 BA16	GPIO_B1_09 BA16	BA16	BA16	BA16
TP154X	GPIO_B1_11	GPIO_B1_11 DBUS_EN/BCS3	GPIO_B1_11 DBUS_EN/BCS3	NC	BCS3	BCS3
TP155X	GPIO_B1_10	GPIO_B1_10 ABUF_EN(NC)	GPIO_B1_10 ABUF_EN(NC)	ABUF_EN	NC	BCS3
TP156X	DCDC_3V3_ALWAYS_ON	GND	GND	VDD_EXT	VCC	VCC
TP157X		-/SEMC_D15 BD15	-/SEMC_D15 BD15	GND	GND	GND
TP158X		GND	GND	BD15	BD15	BD15
TP159X		-/SEMC_D14 BD31/P3.31	-/SEMC_D14 BD31/P3.31	GPI_08	BD31/P3.31	BD31
TP160X	W_GPIO_25	W_GPIO_25 BD14	W_GPIO_25 BD14	BD14	BD14	BD14
TP161X	W_GPIO_32	-/SEMC_D13 BD30/P3.30	-/SEMC_D13 BD30/P3.30	GPI_23	BD30/P3.30	BD30
TP162X	W_GPIO_36	-/SEMC_D12 BD12	-/SEMC_D12 BD12	BD13	BD13	BD13
TP163X	W_GPIO_36	W_GPIO_36 BD29/P3.29	W_GPIO_36 BD29/P3.29	GPI_09	BD29/P3.29	BD29
TP164X	W_GPIO_36	-/SEMC_D11 BD11	-/SEMC_D11 BD11	BD12	BD12	BD12
TP165X	W_SW2	W_SW2 BD28/P3.28	W_SW2 BD28/P3.28	GPI_19	BD28/P3.28	BD28
TP166X	W_BOOT	-/SEMC_D10 BD10	-/SEMC_D10 BD10	BD11	BD11	BD11
TP167X	W_UART_DTR	W_BOOT BD27/P3.27	W_BOOT BD27/P3.27	BD10	BD27/P3.27	BD27
TP168X	W_UART_DSR	W_UART_DTR BD26/P3.26	W_UART_DTR BD26/P3.26	BD10	BD26/P3.26	BD26
TP169X	W_UART_RTS	-/SEMC_D9 BD9	-/SEMC_D9 BD9	BD9	BD9	BD9
TP170X	W_UART_CTS	W_UART_DSR BD25/P3.25	W_UART_DSR BD25/P3.25	P2_10	BD25/P3.25	BD25
TP171X	W_UART_TXD	-/SEMC_D8 BD8	-/SEMC_D8 BD8	BD8	BD8	BD8
TP172X	W_UART_RXD	W_UART_CTS BD24/P3.24	W_UART_CTS BD24/P3.24	P2_11	BD24/P3.24	BD24
TP173X	WLED_RED	-/SEMC_D7 BD7	-/SEMC_D7 BD7	BD7	BD7	BD7
TP174X	WLED_GREEN	W_UART_RTS BD23/P3.23	W_UART_RTS BD23/P3.23	P2_12	BD23/P3.23	BD23
TP175X	WLED_BLUE	-/SEMC_D6 BD6	-/SEMC_D6 BD6	BD6	BD6	BD6
TP176X	WLED_WHITE	W_UART_CTS BD22/P3.22	W_UART_CTS BD22/P3.22	GPI_28	BD22/P3.22	BD22
TP177X	WLED_YELLOW	-/SEMC_D5 BD5	-/SEMC_D5 BD5	BD5	BD5	BD5
TP178X	WLED_ORANGE	W_UART_TXD BD21/P3.21	W_UART_TXD BD21/P3.21	U2_TX	BD21/P3.21	BD21
TP179X	WLED_PURPLE	-/SEMC_D4 BD4	-/SEMC_D4 BD4	BD4	BD4	BD4
TP180X	WLED_PINK	W_UART_RXD BD20/P3.20	W_UART_RXD BD20/P3.20	U2_RX	BD20/P3.20	BD20
TP181X	WLED_VIOLET	-/SEMC_D3 BD3	-/SEMC_D3 BD3	BD3	BD3	BD3
TP182X	WLED_MAGENTA	WLED_RED BD19/P3.19	WLED_RED BD19/P3.19	GPI_05	BD19/P3.19	BD19
TP183X	WLED_CYAN	-/SEMC_D2 BD2	-/SEMC_D2 BD2	BD2	BD2	BD2
TP184X	WLED_PURPLE	WLED_GREEN BD18/P3.18	WLED_GREEN BD18/P3.18	U2_CTS	BD18/P3.18	BD18
TP185X	WLED_WHITE	-/SEMC_D1 BD1	-/SEMC_D1 BD1	BD1	BD1	BD1
TP186X	WLED_YELLOW	WLED_BLUE BD17/P3.17	WLED_BLUE BD17/P3.17	U3_RX	BD17/P3.17	BD17
TP187X	WLED_ORANGE	-/SEMC_D0 BD0	-/SEMC_D0 BD0	BD0	BD0	BD0
TP188X	WLED_PURPLE	W_LED32K768	W_LED32K768	U3_TX	BD16/P3.16	BD16
TP189X	W_LED32K768	xxx	xxx	VDD_EXT	VCC	VCC
TP190X	DCDC_3V3_ALWAYS_ON	GND	GND	GND	GND	GND
TP191X						

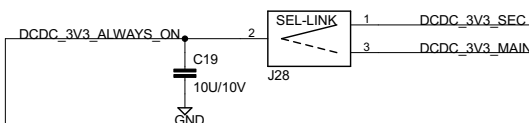
OEM board connector, pin 101-200
(200 pos SODIMM, 1V8 key)

Optional 32.768kHz oscillator for Wi-Fi module



U14 not mounted

Note: Shall ALWAYS be in position 1-2 for iMX RT1052 OEM boards!



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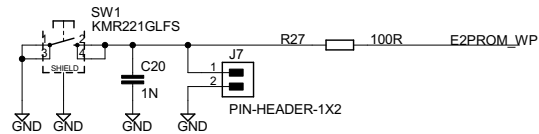
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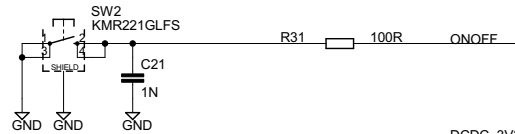
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Push-buttons and LEDs

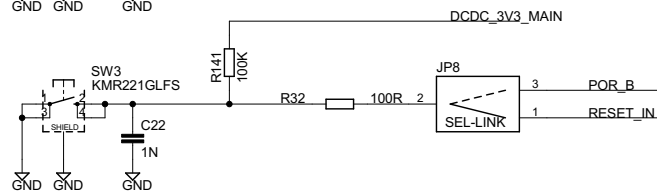
ISP Enable Key and jumper



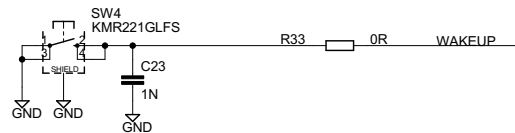
ON/OFF Key



Reset Key



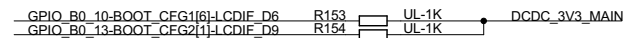
Detect Switch



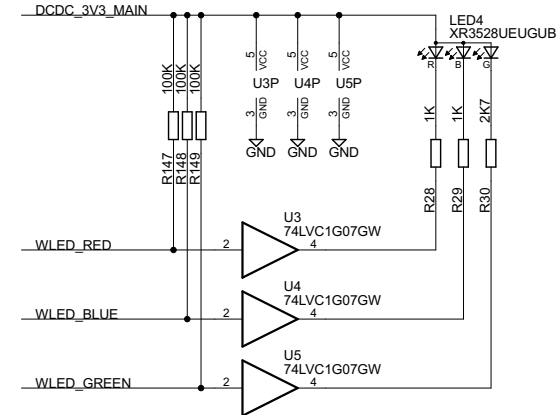
Watchdog control



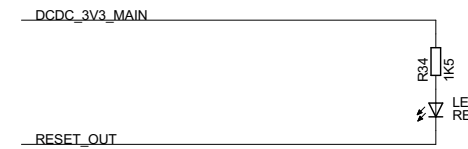
Optional i.MX RT1052 boot control



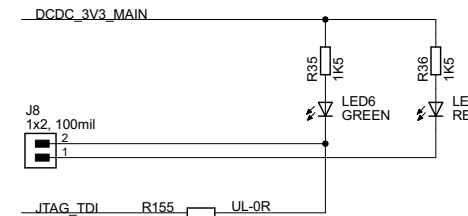
RGB-LED for RF-module



Reset LED



User LEDs



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JTAG Debug Interface

ARM 10-pin interface Serial Wire Mode

1-VCC	2-SWDIO
3-GND	4-SWCLK
5-GND	6-SWO
7-N/U	8-N/U
9-GND	10-RESET

ARM 10-pin interface JTAG Mode

1-VCC	2-TMS
3-GND	4-TCLK
5-GND	6-TDO
7-RTCK	8-TDI
9-GND	10-RESET

10 pos (50 mil pitch) connector

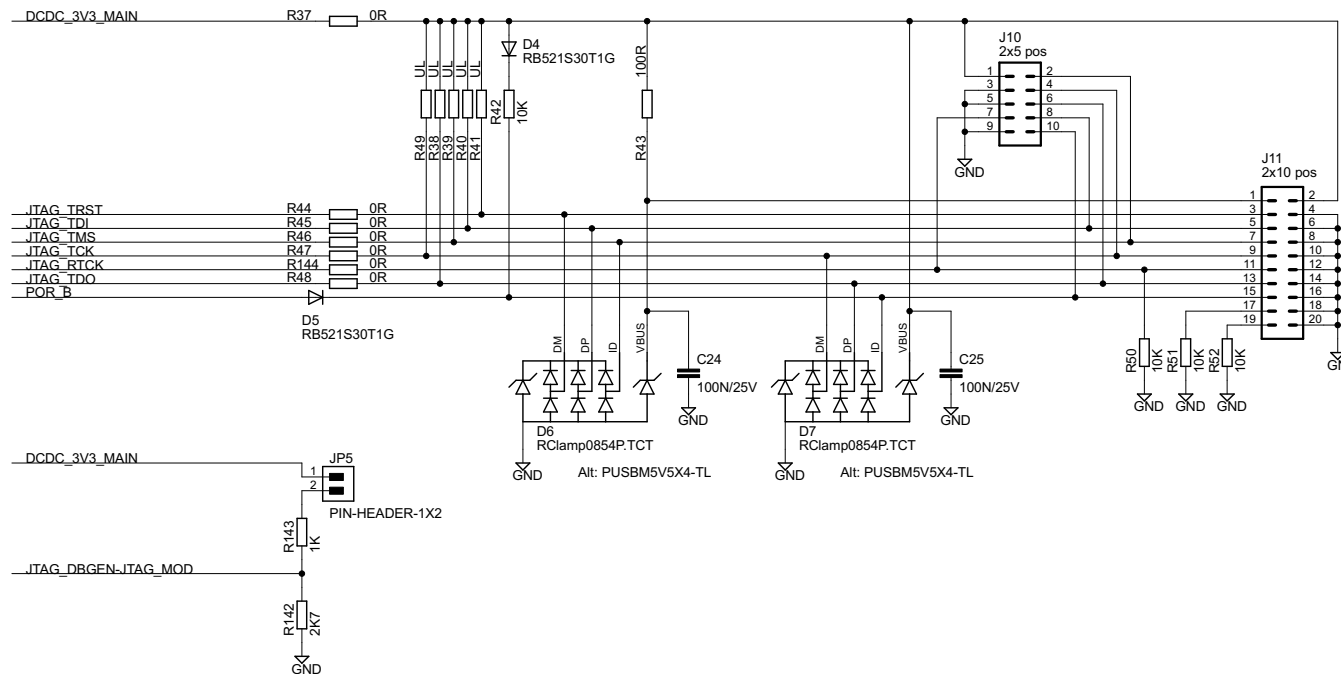
20 pos (100 mil pitch) connector

ARM 20-pin interface Serial Wire Mode

1-VCC (Vtref)	2-Optional VCC (Vtref)
3-N/U	4-GND
5-N/U	6-GND
7-SWDIO	8-GND
9-SWCLK	10-GND
11-N/U	12-GND
13-SWO	14-GND
15-RESET	16-GND
17-N/C	18-GND
19-N/C	20-GND

ARM 20-pin interface JTAG Mode

1-VCC (Vtref)	2-Optional VCC (Vtref)
3-N/C (TRST)	4-GND
5-TDI	6-GND
7-TMS	8-GND
9-TCLK	10-GND
11-RTCK	12-GND
13-TDO	14-GND
15-RESET	16-GND
17-N/C	18-GND
19-N/C	20-GND



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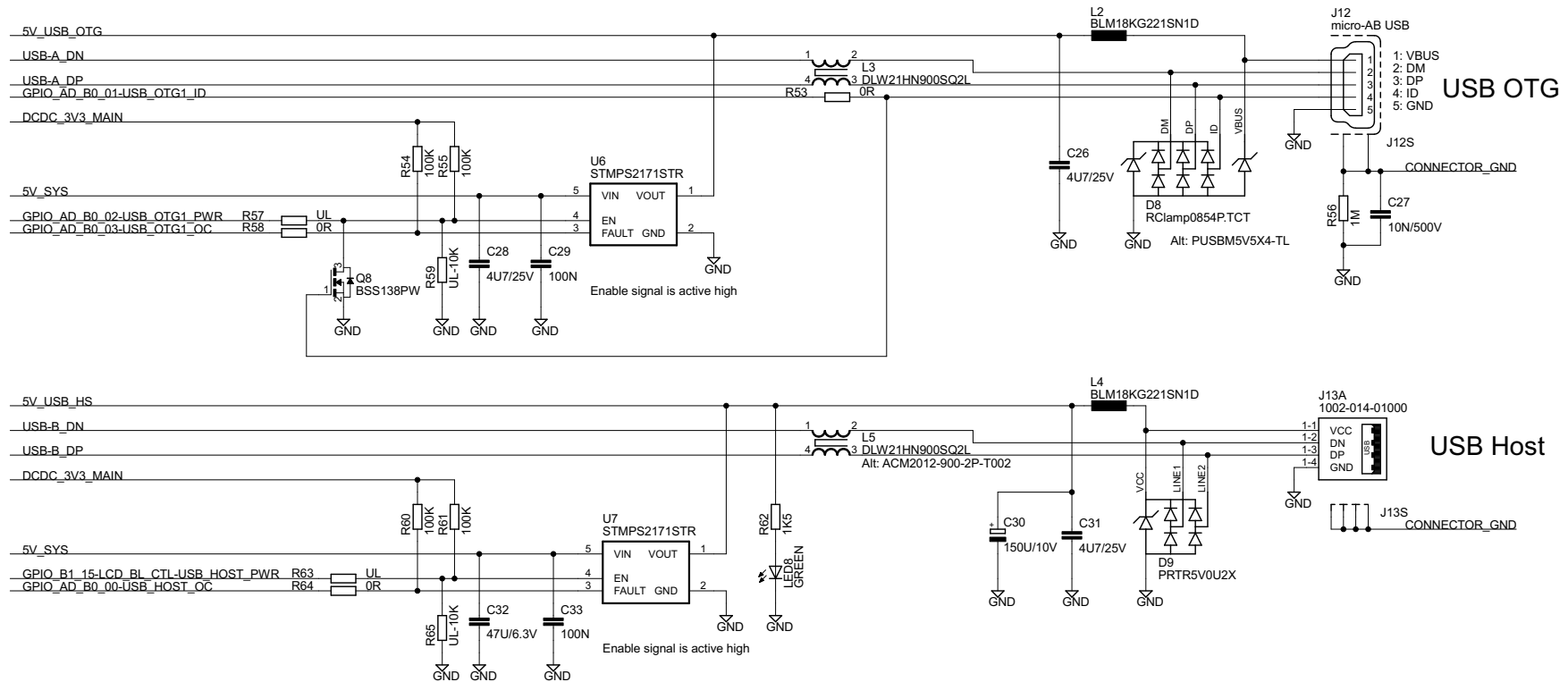
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USB interface on i.MX/LPC

OEM Board	USB-A OTG or Device	USB-B Host
iMX RT1052	OTG1	OTG2
LPC1788	USB-2	USB-1
LPC2478	USB-2	USB-1
LPC3250	USB	Not connected
LPC4088	USB-2	USB-1
LPC4357	USB0	USB1

USB Interfaces



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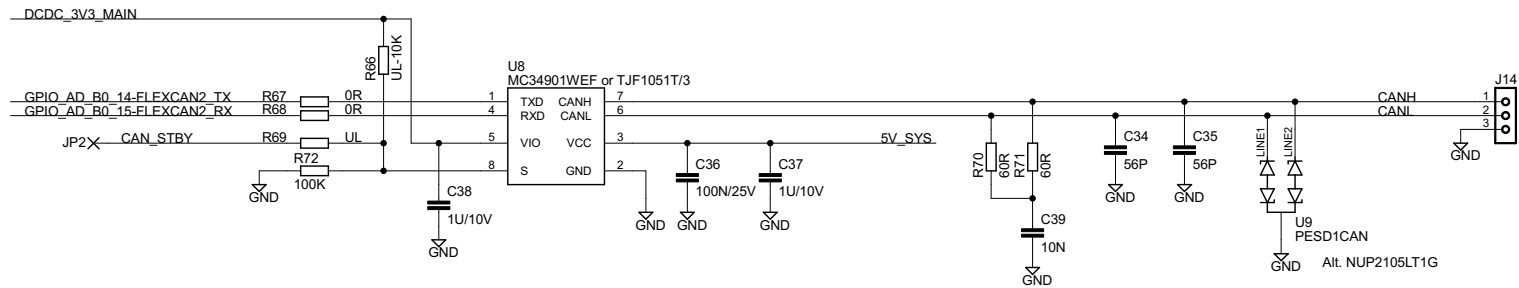
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CAN Transceiver



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TITLE: iMX OEM Carrier Board rev A

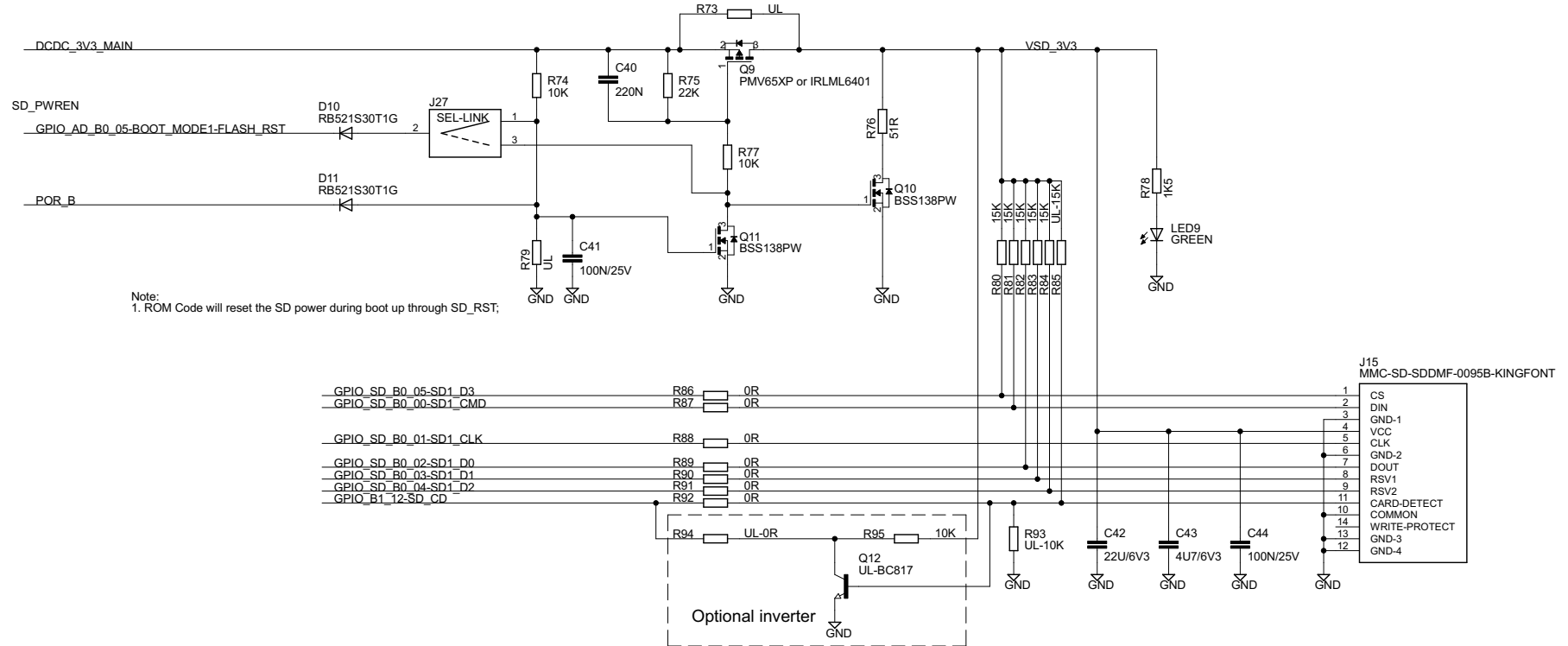
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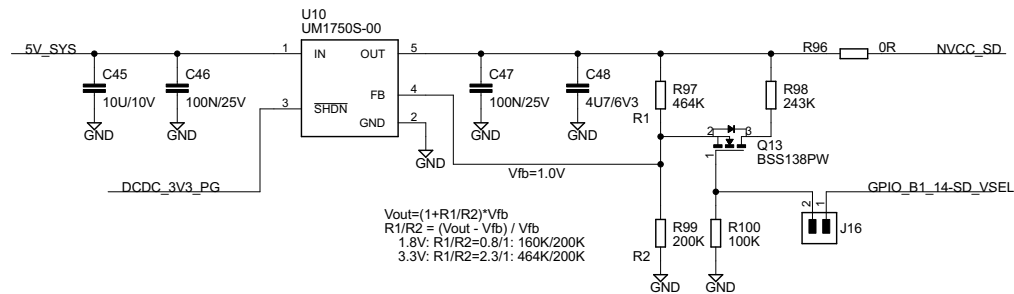
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SD card interface

Power Switch for SD3.0



3.3V/1.8V NVCC Control



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LCD interface

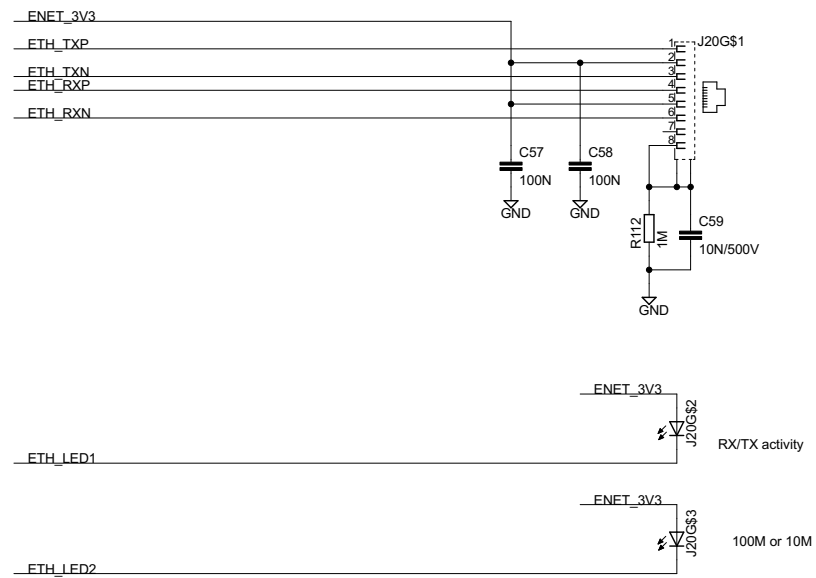


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Ethernet Interface

RJ45 Connector with integrated magnetics



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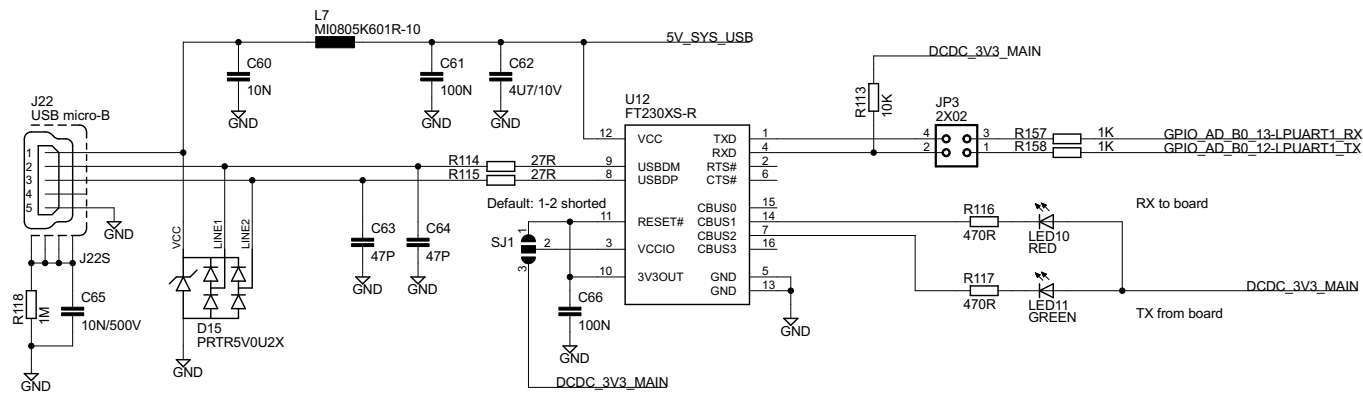
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UART-to-USB bridge interface



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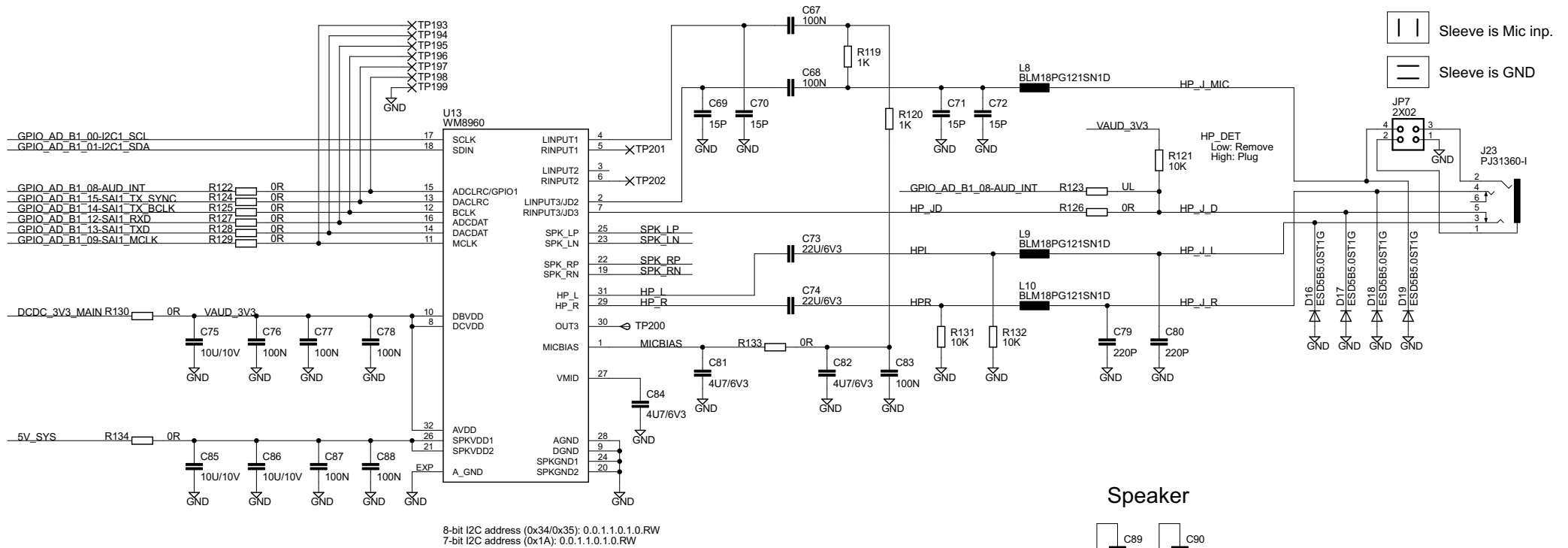
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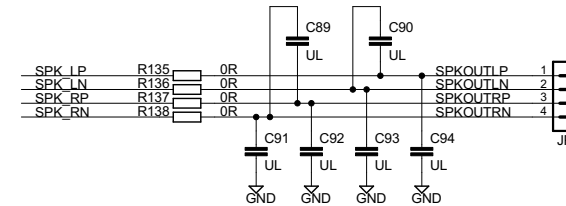
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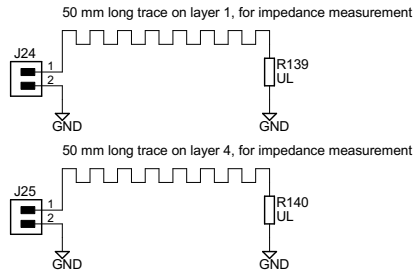
Audio Codec



Speaker



Impedance control



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