

ISA			
VDDSDMMAC	PA0	U18	NAND WE PA0
	PA1	U17	NAND ALE PA1
	PA2	U14	NAND CLE PA2
	PA3	U18	NAND D0 PA3
	PA4	U16	NAND D1 PA4
	PA5	U16	NAND D4 PA5
	PA6	U14	NAND D5 PA6
	PA7	U13	NAND D6 PA7
	PA8	U14	NAND D7 PA8
	PA9	U12	NAND D2 PA9
VDDSDIOPO	PA10	U12	NAND D3 PA10
	PA11	W15	NAND RDY PA11
	PA12	W15	NAND RE PA12
	PA13	P13	NAND CS PA13
	PA14	U14	FLEXCOM0_I04 PA14
	PA15	U15	FLEXCOM0_I03 PA15
	PA16	U15	FLEXCOM0_I02 PA16
	PA17	W16	FLEXCOM0_I01 PA17
	PA18	W18	FLEXCOM0_I00 PA18
	PA19	W18	FLEXCOM0_I05 PA19
VDDSDMAC	PA20	W19	FLEXCOM0_I06 PA20
	PA21	W19	LED BLUE PA21
	PA22	AA20	MBUS2_INT PA22
	PA23	U15	RPI_RXD PA23
	PA24	U14	RPI_TXD PA24
	PA25	U14	GMACD_TXCTL PA25
	PA26	U14	GMACD_TXD PA26
	PA27	U13	GMACD_RXCTL PA27
	PA28	U12	GMACD_TXD PA28
	PA29	U12	GMACD_RXD PA29
VDDSDMAC	PA30	U15	GMACD_RXI PA30
	PA31	U15	GMACQ_MDC PA31

USB			
VDDGMAC0	PB0	M10	GMAC0 MDIO PB0
	PB1	M21	GMAC0 TXCK PB1
	PB2	M14	GMAC0 RX2 PB2
	PB3	M21	GMAC0 RXCK PB3
	PB4	M15	GMAC0 TX2 PB4
	PB5	M13	GMAC0 TX3 PB5
	PB6	M20	GMAC0 RX3 PB6
	PB7	M19	MBUS1 INT PB7
	PB8	M18	QSPI0 IO3 PB8
	PB9	M17	QSPI0 IO2 PB9
VDDQSPI0	PB10	M19	QSPI0 IO1 PB10
	PB11	M18	QSPI0 IO0 PB11
	PB12	M17	QSPI0 CS PB12
	PB13	M14	QSPI0 SCK PB13
	PB14	M15	PB14
	PB15	M20	PB15
	PB16	M14	PB16
	PB17	M11	PB17
	PB18	M12	PB18
	PB19	M12	FLEXCOM10_001
VDDSDMMC1	PB20	M12	FLEXCOM10_000
	PB21	M15	FLEXCOM10 IO1 PB20
	PB22	M14	FLEXCOM10 IO0 PB21
	PB23	M14	SDMMC1 NRST PB22
	PB24	M13	SDMMC1 CMD PB22
	PB25	M13	SDMMC1 C0 PB23
	PB26	M13	SDMMC1 DAT0 PB24
	PB27	M11	SDMMC1 DAT1 PB25
	PB28	M11	SDMMC1 DAT2 PB26
	PB29	M13	SDMMC1 DAT3 PB27
VDDIN33	PB30	M14	SDMMC1 WP PB28
	PB31	M15	SDMMC1 CD PB29
	PB32	M12	SDMMC1_1V8SEL PB30
	PB33	M2	PB31

[illegible]

ISD	PD0	C16		
VDDIOF1	PD1	C18	PD1	SDMMC2_DAT3_PD0
	PD2	C13	PD2	
	PD3	C18	FLEXCOM1_I04	
	PD4	C12		BT_RTS_PD3
	PD5	C19	FLEXCOM1_I03	WIFI_WAKE_HOST_PD4
	PD6	C10	C20	BT_CTS_PD5
	PD7	C10	FLEXCOM1_I00	BT_RXD_PD6
	PD8	C14	FLEXCOM7_I00	BT_TXD_PD7
	PD9	C14	FLEXCOM7_I01	MBUS1_TX/CAN0_RX_PD8
	PD10	C16		MBUS1_RX/CAN0_RX_PD9
VDDIOF2	PD11	C11		CAN1_TX_PD10
	PD12	C11		CAN1_RX_PD11
	PD13	C11		CAN2_TX_PD12
	PD14	C12		CAN2_RX_PD13
	PD15	C12		CAN3_TX_PD14
	PD16	C18	FLEXCOM5_I00	CAN3_RX_PD15
	PD17	C13	FLEXCOM5_I01	MBUS2_TX/CAN4_TX_PD16
	PD18	C16	FLEXCOM5_I02	MBUS2_RX/CAN4_RX_PD17
	PD19	C18	FLEXCOM6_I00	DBGU_TX_PD18
	PD20	C12	PD20	DBGU_RX_PD19
VDDGMAC1	PD21	C15		GMAC1_TXEN_PD21
	PD22	C19		GMAC1_TXD_PD22
	PD23	C19		GMAC1_TXI_PD23
	PD24	C19		GMAC1_RXCTL_PD24
	PD25	C19		GMAC1_MDIO_PD25
	PD26	C19		GMAC1_MDC_PD26
	PD27	C19		GMAC1_RXD_PD27
	PD28	C18		GMAC1_RXI_PD28
	PD29	C19		GMAC1_TXCK_PD29
	PD30	C19		GMAC1_RX2_PD30
PD31	C19		GMAC1_RX1_PD31	

PCB Part	Pin	Value	Resistance	Capacitance	Function
PB14	R6	22R	0402	1%	MIPI_PW_M PB14
	R69	22R	0402	1%	LVDS_PW_M PB14
PB16	R72	22R	0402	1%	MIPI_IRQ_PB16
	R74	22R	0402	1%	LVDS_IRQ_PB16
PB18	R75	22R	0402	1%	MIPI_ENABLE_PB18
	R76	22R	0402	1%	LVDS_ENABLE_PB18
PB15	R78	22R	0402	1%	LED_GREEN_PB15
	R80	22R	0402	1%	MBU51_PWM_PB15
	R82	22R	0402	1%	RPI_PWM0_PB15
PB17	R86	22R	0402	1%	LED_RED_PB17
	R88	22R	0402	1%	MBU52_PWM_PB17
	R90	22R	0402	1%	RPI_PWM1_PB17
PC27	R93	22R	0402	1%	SDMMC2_CMD_PC27
	R94	22R	0402	1%	WIFI_SPI_MOSI_PC27
PC28	R95	22R	0402	1%	SDMMC2_CLK_PC28
	R96	22R	0402	1%	WIFI_SPI_MISO_PC28
PC29	R97	22R	0402	1%	SDMMC2_DAT0_PC29
	R99	22R	0402	1%	WIFI_SPI_SCK_PC29
PC18	R102	22R	0402	1%	USB0_OVCUR_PC18
	DNP R108				RPI_GPIO16_PC18
PC19	R108	22R	0402	1%	USB0_OVCUR_PC19
	DNP R109				RPI_GPIO26_PC19
PB31	R112	22R	0402	1%	PAC1934_INT_PB31
	DNP R114				RPI_GPCCLK0_PB31
	DNP R116				RPI_HPSA_CC1_PB31
PC0	R119	22R	0402	1%	RPI_GPCCLK2_PC0
	DNP R121				HPSA_CC2_PC0
PD1	R122	22R	0402	1%	WIFI_TWI_IRQ_PD1
	DNP R123				RPI_GPIO22_PD1
PD2	R124	22R	0402	1%	WIFI_TWI_IRQ_PD2
	DNP R125				RPI_GPIO23_PD2
PD20	R126	22R	0402	1%	WIFI_RSTN_PD20
	DNP R127				RPI_GPCCLK1_PD20

The diagram illustrates the pin connections for the FLEXCOM0 and FLEXCOM10 modules. It shows various pin headers (R50-R120) connected to different modules (MBUS1, RPI, GMAC1, MCP16502, PAC1934, EEPROM, LVDS, MIPI, MBUS2, RPI, WIFI) with associated pin numbers and signal names. It also shows VDD_3V3 connections to R63, R65, R68, R73, R83, R85, R106, and R110.

Module	Pin Header	Pin Number	Signal Name
FLEXCOM4_I00_PA18	R50	22R	0402 1%
	R51	22R	0402 1%
	R52	22R	0402 1%
	R53	22R	0402 1%
FLEXCOM4_IO1_PA17	R54	22R	0402 1%
	R55	22R	0402 1%
	R56	22R	0402 1%
	R57	22R	0402 1%
FLEXCOM4_I02_PA16	R58	22R	0402 1%
	R59	22R	0402 1%
	R60	22R	0402 1%
	R61	22R	0402 1%
FLEXCOM4_I03_PA15	R62	22R	0402 1%
	R63	22R	0402 1%
FLEXCOM4_I04_PA14	R64	22R	0402 1%
	R65	22R	0402 1%
FLEXCOM4_I05_PA19	R66	22R	0402 1%
	R68	22R	0402 1%
FLEXCOM4_I06_PA20	R70	22R	0402 1%
	R71	22R	0402 1%
FLEXCOM10_IO1_PB19	R77	22R	0402 1%
	R79	22R	0402 1%
	R81	22R	0402 1%
	R84	22R	0402 1%
FLEXCOM10_I00_PB20	R87	22R	0402 1%
	R89	22R	0402 1%
	R91	22R	0402 1%
	R92	22R	0402 1%
FLEXCOM10_IO1_PC6	R98	22R	0402 1%
	R100	22R	0402 1%
	R101	22R	0402 1%
	R103	22R	0402 1%
	R105	22R	0402 1%
	R107	22R	0402 1%
	R110	22R	0402 1%
FLEXCOM10_I00_PC7	R111	22R	0402 1%
	R113	22R	0402 1%
	R115	22R	0402 1%
	R117	22R	0402 1%
	R118	22R	0402 1%
	R120	22R	0402 1%
	R120	22R	0402 1%

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