

CPU
 Freescale iMX536
 ARM Cortex-A8
 800MHz

Memory
 DDR2
 256MBytes

NAND Flash
 memory
 256MBytes

Ethernet PHY
 100/10M

uSD

Power system

2 x USB
 SATA
 Ethernet RX/TX
 SD/MMC (ESDHC2)
 LCD
 2 x LVDS
 CSI
 i2S/AC97
 3 x UART
 2 x SPI
 2 x I2C
 2 x CAN
 OneWire
 EMI

X2			
GND	1	2	LCD_OTCK
LCD_B0	3	4	LCD_B1
LCD_B2	5	6	LCD_B3
LCD_B4	7	8	LCD_B5
LCD_B6	9	10	LCD_B7
LCD_G0	11	12	LCD_G1
LCD_G2	13	14	LCD_G3
LCD_G4	15	16	LCD_G5
LCD_G6	17	18	LCD_G7
LCD_R0	19	20	LCD_R1
LCD_R2	21	22	LCD_R3
LCD_R4	23	24	LCD_R5
LCD_R6	25	26	LCD_R7
LCD_DE	27	28	LCD_VS
SPI0_NCS	29	30	LCD_HS
SPI0_MISO	31	32	SPI0_CLK
DWIRE	33	34	SPI0_MOSI
CAN1_TX	35	36	CAN1_RX
TWC	37	38	TWD
GND	39	40	PWM2

X4			
GND	1	2	PWM1
LVDS0_0_TXP	3	4	LVDS0_1_TXP
LVDS0_0_TXN	5	6	LVDS0_1_TXN
LVDS0_CLKP	7	8	LVDS0_2_TXP
LVDS0_CLKN	9	10	LVDS0_2_TXN
LVDS0_3_TXP	11	12	LVDS1_0_TXP
LVDS0_3_TXN	13	14	LVDS1_0_TXN
LVDS1_1_TXP	15	16	LVDS1_2_TXP
LVDS1_1_TXN	17	18	LVDS1_2_TXN
LVDS1_CLKP	19	20	LVDS1_3_TXP
LVDS1_CLKN	21	22	LVDS1_3_TXN
CSI_D0	23	24	CSI_D1
CSI_D2	25	26	CSI_D3
CSI_D4	27	28	CSI_D5
CSI_D6	29	30	CSI_D7
CSI_HS	31	32	CSI_VS
CSI_PCK	33	34	CSI_DE
SPI1_NCS	35	36	GPIO_3
SPI1_CLK	37	38	SPI1_MOSI
GND	39	40	SPI1_MISO

X3			
USB_ID	1	2	GND
USBOTG_DM	3	4	USBH_DM
USBOTG_DP	5	6	USBH_DP
OTG_VBUS	7	8	GPIO_1
SD2_CMD	9	10	SD2_CLK
SD2_D0	11	12	SD2_D2
SD2_D1	13	14	SD2_D3
XSATA_TXP	15	16	XSATA_RXN
XSATA_TXN	17	18	XSATA_RXP
3.3V	19	20	GND
ETH_RXN	21	22	ETH_TXN
ETH_RXP	23	24	ETH_TXP
AUD_TXC	25	26	AUDIO_MCLK
AUD_TXFS	27	28	AUD_TXD
AUD_RXD	29	30	UART0_TX
UART0_RX	31	32	UART1_TX
UART1_RX	33	34	UART_TX
UART_RX	35	36	I2C2_SEL
I2C2_SDA	37	38	CAN2_TX
CAN2_RX	39	40	GND

X5			
5V	1	2	5V
5V	3	4	5V
GND	5	6	GND
EMI_DA0	7	8	EMI_DA8
EMI_DA1	9	10	EMI_DA9
EMI_DA2	11	12	EMI_DA10
EMI_DA3	13	14	EMI_DA11
EMI_DA4	15	16	EMI_DA12
EMI_DA5	17	18	EMI_DA13
EMI_DA6	19	20	EMI_DA14
EMI_DA7	21	22	EMI_DA15
EMI_OE_VGA_HS	23	24	EMI_WAIT
EMI_RW_VGA_VS	25	26	EMI_BCLK
EMLEB0	27	28	EMI_LBA
EMLEB1	29	30	EMI_CS0
RESET	31	32	EMI_CS1
P_L1	33	34	VGA_R
P_L2	35	36	VGA_G
GPIO_16	37	38	VGA_B
GPIO_17	39	40	GND