

CPU  
 Freescale iMX50X  
 ARM Cortex-A8  
 800MHz

Memory  
 DDR2  
 256MBytes

NAND Flash  
 memory  
 256MBytes

Ethernet PHY  
 100/10M

2 x USB  
 Ethernet RX/TX  
 2 x SD/MMC  
 LCD  
 I2S/AC97  
 3 x UART  
 3 x SPI  
 3 x I2C  
 2 x PWM  
 OneWire  
 EMI  
 2 x PWM  
 GPIO

uSD  
 RTC

Power system

X1			
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
ECSP1_NCS	29	30	LCD_HS
ECSP1_MISO	31	32	ECSP1_CLK
OWIRE	33	34	ECSP1_MOSI
GP1_27	35	36	PWM1
I2C1_SCL	37	38	I2C1_SDA
GND	39	40	PWM2

X3			
USBOTG_ID	1	2	GND
USBOTG_DM	3	4	USBH_DN
USBOTG_DP	5	6	USBH_DP
OTG_VBUS	7	8	GP6_15
SD2_CMD	9	10	SD2_CLK
SD2_D0	11	12	SD2_D2
SD2_D1	13	14	SD2_D3
CSPI1_CLK	15	16	CSPI1_MISO
CSPI1_MOSI	17	18	CSPI1_SSO
3.3V	19	20	GND
ETH_RX1	21	22	ETH_TXN
ETH_RXP	23	24	ETH_TXP
AUD_TX	25	26	AUDIO_MCLK
AUD_TXF	27	28	AUD_TXD
AUD_RXD	29	30	UART5_TX
UART5_RX	31	32	UART2_TX
UART2_RX	33	34	UART1_TX
UART1_RX	35	36	I2C2_SCL
I2C2_SDA	37	38	I2C3_SDA
I2C3_SCL	39	40	GND

X4			
5V	1	2	5V
5V	3	4	5V
GND	5	6	GND
EIM_DA0	7	8	EIM_DA8
EIM_DA1	9	10	EIM_DA9
EIM_DA2	11	12	EIM_DA10
EIM_DA3	13	14	EIM_DA11
EIM_DA4	15	16	EIM_DA12
EIM_DA5	17	18	EIM_DA13
EIM_DA6	19	20	EIM_DA14
EIM_DA7	21	22	EIM_DA15
EIM_OE	23	24	EIM_WAIT
EIM_WE	25	26	EIM_BCLK
EIM_EB0	27	28	EIM_LBA
EIM_EB1	29	30	EIM_CS0
RESET	31	32	EIM_CS1
P_L1	33	34	ECSP12_NCS
P_L2	35	36	ECSP12_MOSI
VBAT	37	38	ECSP12_MISO
ECSP12_CLK	39	40	GND