

## Connector J2

PIN	NAME	DIR	DESCRIPTION	LOGIC LEVEL
D1	ADCIN0	IN	ADC CHANNEL 0 INPUT	ANALOG
B1	GND	PWR	GND POWER	
C1	CAM_RESET	OUT	CAMERA INPUT RESET	TTL 1,8V
A1	PWRON_BUTTON	IN	ON/OFF POWER BUTTON	TTL 3,3V
D2	CAM_HS	IN	CAMERA INPUT HSYNC	TTL 3,3V
B2	RESET_BUTTON	IN	EXTERNAL CPU RESET ACTIVE LOW	TTL 3,3V
C2	GND	PWR	GND POWER	TTL 3,3V
A2	NU	BI	NOT USED	
D3	B_CLE	OUT	BUS COMMAND LATCH ENABLE	TTL 3,3V
B3	GND	PWR	GND POWER	
C3	B_Nbe1	OUT	EXPANSION Bus nbe1 signal	TTL 3,3V
A3	GND	PWR	GND POWER	
D4	GND	PWR	GND POWER	
B4	BADDR10	OUT	ADDRESS 10	TTL 3,3V
C4	GND	PWR	GND POWER	
A4	BADDR9	OUT	ADDRESS 9	TTL 3,3V
D5	TOUCH_BUSY	IN	TOUCH BUSY SIGNAL FOR EXTERNAL TOUCH CONTROLLER (NOT USED)	TTL 1,8V
B5	BADDR8	OUT	ADDRESS 8	TTL 3,3V
C5	PREDRIV_L	OUT	AUDIO PREDRIVE LEFT SIGNAL FOR CLASS D AMPLIFIER	1,5VPP
A5	BADDR7	OUT	ADDRESS 7	TTL 3,3V
D6	PREDRIV_R	OUT	AUDIO PREDRIVE RIGHT SIGNAL FOR CLASS D AMPLIFIER	1,5VPP
B6	BADDR6	OUT	ADDRESS 6	TTL 3,3V
C6	AUXR	IN	SINGLE ENDED AUXILIARY ANALOG INPUT SIGNAL	
A6	BADDR5	OUT	ADDRESS 5	TTL 3,3V
D7	MIC_MAINM_IN	IN	NEGATIVE MICROPHONE INPUT SIGNAL	

PIN	NAME	DIR	DESCRIPTION	LOGIC LEVEL
B7	BADDR4	OUT	ADDRESS 4	TTL 3,3V
C7	MIC_MAINP_IN	IN	POSITIVE MICROPHONE INPUT SIGNAL	
A7	BADDR3	OUT	ADDRESS 3	TTL 3,3V
D8	MICBIAS	OUT	MICROPHONE BIAS SIGNAL	2,2V
B8	BADDR2	OUT	ADDRESS 2	TTL 3,3V
C8	GND	PWR	GND POWER	
A8	BADDR1	OUT	ADDRESS 1	TTL 3,3V
D9	B_ADV_ALE	OUT	BUS ALE SIGNAL	TTL 3,3V
B9	BADDR0	OUT	ADDRESS 0	TTL 3,3V
C9	BWAIT	IN	BUS WAIT SIGNAL	TTL 3,3V
A9	BDATA15	BI	EXPANSION DATA BIT15	TTL 3,3V
D10	CAM_D8	IN	CAMERA DATA 8 INPUT	TTL 1,8V
B10	BDATA14	BI	EXPANSION DATA BIT14	TTL 3,3V
C10	CAM_D9	IN	CAMERA DATA 9 INPUT	TTL 1,8V
A10	BDATA13	BI	EXPANSION DATA BIT13	TTL 3,3V
D11	B_RESETN	OUT	System Reset	TTL 3,3V
C11	GND	PWR	GND POWER	
B11	BDATA12	BI	EXPANSION DATA BIT12	TTL 3,3V
A11	BDATA11	BI	EXPANSION DATA BIT11	TTL 3,3V
D12	CAM_D3	IN	CAMERA DATA 3 INPUT	TTL 1,8V
B12	BDATA10	BI	EXPANSION DATA BIT10	TTL 3,3V
C12	CAM_D10	IN	CAMERA DATA 10 INPUT	TTL 1,8V
A12	BDATA9	BI	EXPANSION DATA BIT9	TTL 3,3V
D13	CAM_D9	IN	CAMERA DATA 9 INPUT	TTL 1,8V
B13	BDATA8	BI	EXPANSION DATA BIT8	TTL 3,3V
C13	CAM_VS	IN	CAMERA VSYNC	TTL 1,8V
A13	BDATA7	BI	EXPANSION DATA BIT7	TTL 3,3V

PIN	NAME	DIR	DESCRIPTION	LOGIC LEVEL
D14	CAM_CLKB	OUT	CAMERA CLOCKB OUTPUT	TTL 1,8V
C14	B_CLK	OUT	EXTERNAL BUS CLK	TTL 3,3V
B14	BDATA6	BI	EXPANSION DATA BIT6	TTL 3,3V
A14	BDATA5	BI	EXPANSION DATA BIT5	TTL 3,3V
D15	CAM_D7	IN	CAMERA DATA 7 INPUT	TTL 1,8V
B15	BDATA4	BI	EXPANSION DATA BIT4	TTL 3,3V
C15	CAM_CLKA	OUT	CAMERA CLOCKA OUTPUT	TTL 1,8V
A15	BDATA3	BI	EXPANSION DATA BIT3	TTL 3,3V
D16	CAM_WEN	IN	CAMERA WRITE ENABLE SIGNAL	TTL 1,8V
B16	BDATA2	BI	EXPANSION DATA BIT2	TTL 3,3V
C16	CAM_PCLK	OUT	CAMERA PIXEL CLOCK INPUT	TTL 1,8V
A16	BDATA1	BI	EXPANSION DATA BIT1	TTL 3,3V
D17	CAM_STROBE	OUT	FLASH STROB CONTROL OUTPUT	TTL 1,8V
B17	BDATA0	BI	EXPANSION DATA BIT0	TTL 3,3V
C17	CAM_D2	IN	CAMERA DATA 2 INPUT	TTL 1,8V
A17	BWE <sub>n</sub>	OUT	BUS WRITE SIGNAL	TTL 3,3V
D18	CAM_D4	IN	CAMERA DATA 4 INPUT	TTL 1,8V
B18	BRD <sub>n</sub>	OUT	BUS WRITE SIGNAL	TTL 3,3V
C18	CAM_D5	IN	CAMERA DATA 5 INPUT	TTL 1,8V
A18	BCS3 <sub>n</sub>	OUT	BUS CHIP SELECT 3	TTL 3,3V
D19	CAM_D6	IN	CAMERA DATA 6 INPUT	TTL 1,8V
B19	BCS4 <sub>n</sub>	OUT	BUS CHIP SELECT 4	TTL 3,3V
C19	CAM_D0	IN	CAMERA DATA 0 INPUT	TTL 1,8V
A19	BCS2 <sub>n</sub>	OUT	BUS CHIP SELECT 2	TTL 3,3V
D20	CAM_D6	IN	CAMERA DATA 6 INPUT	TTL 1,8V
B20	BCS0 <sub>n</sub>	OUT	BUS CHIP SELECT 0	TTL 3,3V
C20	VBAT	IN	RTC BATT POWER	3V

<b>PIN</b>	<b>NAME</b>	<b>DIR</b>	<b>DESCRIPTION</b>	<b>LOGIC LEVEL</b>
A20	BCS7n	OUT	BUS CHIP SELECT 7	TTL 3,3V
D21	GND	PWR	GND POWER	
B21	ADCIN0	IN	ADC CHANNEL 0 INPUT	ANALOG
C21	VIN	PWR	VIN POWER (9 – 36VDC)	
A21	TS_BOTTOM	IN	TOUCH SCREEN BOTTOM SIGNAL	ANALOG
D22	VIN	PWR	VIN POWER (9 – 36VDC)	
B22	TS_TOP	IN	TOUCH SCREEN TOP SIGNAL	ANALOG
C22	VIN	PWR	VIN POWER (9 – 36VDC)	
A22	TS_LEFT	IN	TOUCH SCREEN LEFT SIGNAL	ANALOG
D23	3V3	PWR	3,3V OUT TO CARRIER BOARD	
B23	TS_RIGHT	IN	TOUCH SCREEN RIGHT SIGNAL	ANALOG
C23	3V3	PWR	3,3V OUT TO CARRIER BOARD	
A23	GND	PWR	GND POWER	
D24	3V3	PWR	3,3V OUT TO CARRIER BOARD	
B24	GND	PWR	GND POWER	
C24	5V	PWR	5,0V OUT TO CARRIER BOARD	
A24	HOST1_D-	BI	USB HOST 1 NEGATIVE SIGNAL	TTL 5V
D25	5V	PWR	5,0V OUT TO CARRIER BOARD	
B25	HOST1_D+	BI	USB HOST 1 POSITIVE SIGNAL	TTL 5V
C25	5V	PWR	5,0V OUT TO CARRIER BOARD	
A25	GND	PWR	GND POWER	