	MCU CARD H1 CONNECTOR SIGNALS				
Pin #	**ADAPT11**	**ADAPT11EVBU**	**ADAPT11C24DX**	**MICROCORE-11**	**MICROSTAMP11**
				with Bridgeplane	with Bridgeplane
1	PD2/MISO	PD2/MISO	PD2/MISO	PD2/MISO	PD2/MISO
2	PD3/MOSI	PD3/MOSI	PD3/MOSI	PD3/MOSI	PD3/MOSI
3	PD4/SCK	PD4/SCK	PD4/SCK	PD4/SCK	PD4/SCK
4	PD5/SS*	PD5/SS*	PD5/SS*	PD5/SS*	PD5/SS*
5	PD1/TXD	PD1/TXD	PD1/TXD		PD1/TXD
6	PA7/PAI/OC1	PA7/PAI/OC1	PA7/PAI/OC1	PA7/PAI/OC1	PA7/PAI/OC1
7	PA6/OC2/OC1	PA6/OC2/OC1	PA6/OC2/OC1	PA6/OC2/OC1	PA6/OC2/OC1
8	PA5/OC3/OC1	PA5/OC3/OC1	PA5/OC3/OC1	PA5/OC3/OC1	PA5/OC3/OC1
9	PA4/OC4/OC1	PA4/OC4/OC1	PA4/OC4/OC1	PA4/OC4/OC1	PA4/OC4/OC1
10	PA3/IC4/OC5/OC1	PA3/IC4/OC5/OC1	PA3/IC4/OC5/OC1	PA3/IC4/OC5/OC1	PA3/IC4/OC5/OC1
11	PA2/IC1	PA2/IC1	PA2/IC1	PA2/IC1	PA2/IC1
12	PA1/IC2	PA1/IC2	PA1/IC2	PA1/IC2	PA1/IC2
13	PA0/IC3	PA0/IC3	PA0/IC3	PA0/IC3	PA0/IC3
14	PB7 (ADDR15)	PB7 (ADDR15)	PB7		
15	PB6 (ADDR14)	PB6 (ADDR14)	PB6		
16	PB5 (ADDR13)	PB5 (ADDR13)	PB5		
17	PB4 (ADDR12)	PB4 (ADDR12)	PB4		
18	PB3 (ADDR11)	PB3 (ADDR11)	PB3		
19	PB2 (ADDR10)	PB2 (ADDR10)	PB2		
20	PB1 (ADDR9)	PB1 (ADDR9)	PB1		
21	PB0 (ADDR8)	PB0 (ADDR8)	PB0		
22	PE0/AN0	PE0/AN0	PE0/AN0	PE0/AN0	
23	PE1/AN1	PE1/AN1	PE1/AN1	PE1/AN1	
24	PE2/AN2	PE2/AN2	PE2/AN2	PE2/AN2	
25	PE3/AN3	PE3/AN3	PE3/AN3	PE3/AN3	
26	PE7/AN7	PE7/AN7	PE7/AN7	PE7/AN7	
27	PE6/AN6	PE6/AN6	PE6/AN6	PE6/AN6	
28	PE5/AN5	PE5/AN5	PE5/AN5	PE5/AN5	
29	PE4/AN4	PE4/AN4	PE4/AN4	PE4/AN4	
30	VRH	VRH	VRH	VRH	
31	VRL	VRL	VRL	VRL	
32	STRA (AS)	STRA (AS)	STRA		
33	ECLK	ECLK	ECLK		
34	STRB (R/W*)	STRB (R/W*)	STRB		
35	PC0 (ADDR0/DATA0)	PC0 (ADDR0/DATA0)	PC0		
36	PC1 (ADDR1/DATA1)	PC1 (ADDR1/DATA1)	PC1		
37	PC2 (ADDR2/DATA2)	PC2 (ADDR2/DATA2)	PC2		
38	PC3 (ADDR3/DATA3)	PC3 (ADDR3/DATA3)	PC3		
39	PC4 (ADDR4/DATA4)	PC4 (ADDR4/DATA4)	PC4		
40	PC5 (ADDR5/DATA5)	PC5 (ADDR5/DATA5)	PC5		
41	PC6 (ADDR6/DATA6)	PC6 (ADDR6/DATA6)	PC6		
42	PC7 (ADDR7/DATA7)	PC7 (ADDR7/DATA7)	PC7		
43	NO CONNECTION	MODB	STRB		
44	RESET*	RESET*	RESET*		RESET*
45	XIRQ*	XIRQ*	XIRQ*	XIRQ*	XIRQ*
46	IRQ*	IRQ*	IRQ*	IRQ*	IRQ*
47	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)
48	PD0/RXD	PD0/RXD	PD0/RXD		PD0/RXD
49	GROUND	GROUND	GROUND	GROUND	GROUND
50	GROUND	GROUND	GROUND	GROUND	GROUND
					VIN

	MCU CARD H1 CONNECTOR SIGNALS				
Pin #	**ADAPT812/DX/DXLT/MAX**	**ADAPT912B32**	**ADAPT912DT60**	**AD9S12C**	**AD9S12DP**
1	PS4/MISO	PS4/SDI/MISO	PS4/SDI/MISO	PM2/MISO	PS4/MISO
2	PS5/MOSI	PS5/SDO/MOSI	PS5/SDO/MOSI	PM4/MOSI	PS5/MOSI
3	PS6/SCK	PS6/SCK	PS6/SCK	PM5/SCK	PS6/SCK
4	PS7/SS*	PS7/SS*	PS7/SS*	PM3/SS*	PS7/SS*
5	PS1/TXD0	PS1/TXD0	PS1/TXD0	PJ7/PP7	PS1/TXD0
6	PT7/IOC7/PAI	PT7/IOC7/PAI	PT7/IOC7/PAI	PT7/IOC7/PAI	PT7/IOC7/PAI
7	PT6/IOC6	PT6/IOC6	PT6/IOC6	PT6/IOC6	PT6/IOC6
8	PT5/IOC5	PT5/IOC5	PT5/IOC5	PT5/IOC5	PT5/IOC5
9	PT4/IOC4	PT4/IOC4	PT4/IOC4	PT4/IOC4	PT4/IOC4
10	PT3/IOC3	PT3/IOC3	PT3/IOC3	PT3/IOC3	PT3/IOC3
11	PT2/IOC2	PT2/IOC2	PT2/IOC2	PT2/IOC2	PT2/IOC2
12	PT1/IOC1	PT1/IOC1	PT1/IOC1	PT1/IOC1	PT1/IOC1
13	PT0/IOC0	PT0/IOC0	PT0/IOC0	PT0/IOC0	PT0/IOC0
14	PJ7/KWJ7	PJ7/PP7	PJ7/PP7	PB7	PP7/KWP7/PWM7
15	PJ6/KWJ6	PJ6/PP6	PJ6/PP6	PB6	PP6/KWP6/PWM6
16	PJ5/KWJ5	PJ5/PP5	PJ5/PP5	PB5	PP5/KWP5/PWM5
17	PJ4/KWJ4	PJ4/PP4	PJ4/PP4	PB4	PP4/KWP4/PWM4
18	PJ3/KWJ3	PJ3/PP3/PW3	PJ3/PP3/PW3	PB3	PP3/KWP3/PWM3
19	PJ2/KWJ2	PJ2/PP2/PW2	PJ2/PP2/PW2	PB2	PP2/KWP2/PWM2
20	PJ1/KWJ1	PJ1/PP1/PW1	PJ1/PP1/PW1	PB1	PP1/KWP1/PWM1
21	PJ0/KWJ0	PJ0/PP0/PW0	PJ0/PP0/PW0	PB0	PP0/KWP0/PWM0
22	PAD0/AN0	PAD0/AN0	PAD0/AN0	AN00	PAD0/AN0
23	PAD1/AN1	PAD1/AN1	PAD1/AN1	AN01	PAD1/AN1
24	PAD2/AN2	PAD2/AN2	PAD2/AN2	AN02	PAD2/AN2
25	PAD3/AN3	PAD3/AN3	PAD3/AN3	AN03	PAD3/AN3
26	PAD7/AN7	PAD7/AN7	PAD7/AN7	AN07	PAD7/AN7
27	PAD6/AN6	PAD6/AN6	PAD6/AN6	AN06	PAD6/AN6
28	PAD5/AN5	PAD5/AN5	PAD5/AN5	AN05	PAD5/AN5
29	PAD4/AN4	PAD4/AN4	PAD4/AN4	AN04	PAD4/AN4
30	VRH	VRH	VRH	VRH	VRH
31	VRL	VRL	VRL	VRL	VRL
32	PS3/TXD1	PS3	PS3	PE3 (LSTRB*)	PS3/TXD1
33	PE4/ECLK	PE4/ECLK	PE4/ECLK	PE4/ECLK	PE4/ECLK
34	PS2/RXD1	PS2	PS2	PE2 (R/W*)	PS2/RXD1
35	KWH7	NO CONNECTION	NO CONNECTION	PA7	PH7/KWH7
36	KWH6	PDLC6	PDLC6	PA6	PH6/KWH6
37	KWH5	PDLC5	PDLC5	PA5	PH5/KWH5
38	KWH4	PDLC4	PDLC4	PA4	PH4/KWH4
39	KWH3	PDLC3	PDLC3	PA3	PH3/KWH3
40	KWH2	PDLC2	PDLC2	PA2	PH2/KWH2
41	KWH1	PDLC1	PDLC1	PA1	PH1/KWH1
42	KWH0	PDLC0	PDLC0	PA0	PH0/KWH0
43	PE7/ARST	PE7/DBE*	PE7/DBE*	PE7/XCLKS*	PE7/NOACC/XCLKS*
44	RESET*	RESET*	RESET*	RESET*	RESET*
45	XIRQ*	XIRQ*	XIRQ*	PE0/XIRQ*	PE0/XIRQ*
46	IRQ*	IRQ*	IRQ*	PE1/IRQ*	PE1/IRQ*
47	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)
48	PS0/RXD0	PS0/RXD0	PS0/RXD0	PJ6	PS0/RXD0
49	GROUND	GROUND	GROUND	GROUND	GROUND
50	GROUND	GROUND	GROUND	GROUND	GROUND

	MCU CARD H1 CONNECTOR SIGNALS		
Pin #	**AD9S12E**	**ADAPT9S12NE**	**AD9S12XDP**
		(3V I/O PINS)	
1	PS4/MISO	PS4/MISO	PS4/MISO0
2	PS5/MOSI	PS5/MOSI	PS5/MOSI0
3	PS6/SCK	PS6/SCK	PS6/SCK0
4	PS7/SS	PS7/SS	PS7/SS0*
5	PS1/TXD0	PS1/TXD0	PS1/TXD0
6	PT7/IOC17	PT7/TIM_IOC7	PT7/IOC7
7	PT6/IOC16	PT6/TIM_IOC6	PT6/IOC6
8	PT5/IOC15	PT5/TIM_IOC5	PT5/IOC5
9	PT4/IOC14	PT4/TIM_IOC4	PT4/IOC4
10	PT3/IOC7	NO CONNECTION	PT3/IOC3
11	PT2/IOC6	NO CONNECTION	PT2/IOC2
12	PT1/IOC5	NO CONNECTION	PT1/IOC1
13	PT0/IOC4	NO CONNECTION	PT0/IOC0
14	PM1/DA1	PG7/KWG7	PP7/KWP7/PWM7/SCK2
15	PM0/DA0	PG6/KWG6	PP6/KWP6/PWM6/SS2*
16	PP5/PW05	PG5/KWG5	PP5/KWP5/PWM5/MOSI2
17	PP4/PW04	PG4/KWG4	PP4/KWP4/PWM4/MISO2
18	PP3/PW03	PG3/KWG3	PP3/KWP3/PWM3/SS1*
19	PP2/PW02	PG2/KWG2	PP2/KWP2/PWM2/SCK1
20	PP1/PW01	PG1/KWG1	PP1/KWP1/PWM1/MOSI1
21	PP0/PW00	PG0/KWG0	PP0/KWP0/PWM0/MISO1
22	PAD00/AN00/KWAD00	PAD0/AN0	PAD00/AN00
23	PAD01/AN01/KWAD01	PAD1/AN1	PAD01/AN01
24	PAD02/AN02/KWAD02	PAD2/AN2	PAD02/AN02
25	PAD03/AN03/KWAD03	PAD3/AN3	PAD03/AN03
26	PAD07/AN07/KWAD07	PAD7/AN7	PAD07/AN07
27	PAD06/AN06/KWAD06	PAD6/AN6	PAD06/AN06
28	PAD05/AN05/KWAD05	PAD5/AN5	PAD05/AN05
29	PAD04/AN04/KWAD04	PAD4/AN4	PAD04/AN04
30	VRH	VRH	VRH
31	VRL	VRL	VRL
32	PS3/TXD1	PS3/TXD1	PS3/TXD1
33	PE4/ECLK	PE4/ECLK	PE4/ECLK
34	PS2/RXD1	PS2/RXD1	PS2/RXD1
35	PU7	NO CONNECTION	PH7/KWH7/SS2*/TXD5
36	PU6	PH6/KWH6/MII_TXER	PH6/KWH6/SCK2/RXD5
37	PU5/PW15	PH5/KWH5/MII_TXEN	PH5/KWH5/MOSI2/TXD4
38	PU4/PW14	PH4/KWH4/MII_TXCLK	PH4/KWH4/MISO2/RXD4
39	PU3/PW13/IOC27	PH3/KWH3/MII_TXD3	PH3/KWH3/SS1*
40	PU2/PW12/IOC26	PH2/KWH2/MII_TXD2	PH2/KWH2/SCK1
41	PU1/PW11/IOC25	PH1/KWH1/MII_TXD1	PH1/KWH1/MOSI1
42	PU0/PW10/IOC24	PH0/KWH0/MII_TXD0	PH0/KWH0/MISO1
43	PE7/NOACC/XCLKS*	PE7/NOACC	PE7/XCLKS*
44	RESET*	RESET*	RESET*
45	PE0/XIRQ*	PE0/XIRQ*	PE0/XIRQ*
46	PE1/IRQ*	PE1/IRQ*	PE1/IRQ*
47	VCC (+5V)	VCC (+5V)	VCC (+5V)
48	PS0/RXD0	PS0/RXD0	PS0/RXD0
49	GROUND	GROUND	GROUND
50	GROUND	GROUND	GROUND

	APPLICATION CARD CONNECTOR P1				
Pin #	**AD9S12DEMH1**	**DKKI**	**AD11DXVRPM**	**AD11QMDM**	**AD9S12SSMI**
1	LCD DB7			MDIRA2	MISO
2	LCD DB6	595DAT		MDIRB2	MOSI
3	LCD DB5	595CLK		MENA2	SCK
4	LCD DB4	595LAT		MENB2	SS*
5	LED D2 GRN				
6	S1	KBD DAT		MOSFET	
7	S2	SPKR		MDIRB1	
8	S3			MDIRA1	
9	S4			MENB1	
10	S5	KBD CLK		MENA1	
11	S6				SPEAKER
12	S7				SRF04 PIN3
13	S8		EOM*		SRF04 PIN2
14	SPKR	DISP EN	A7		
15	LCD CONTRAST	DISP RS	A6		
16	VOUT		A5		
17	DRIVER1/SEG8		A4		
18	DRIVER2/SEG9		A3		SERVO4
19	LCD RS		A2		SERVO3
20	LCD E		A1		SERVO2
21	LCD R/W*		A0		SERVO1
22					SERVO2 MONITOR
23	TEMP				SERVO1 MONITOR
24	POT				VIN MONITOR
25	LIGHT				MIC
26	SW5				SENSOR4
27	SW4				SENSOR3
28	SW3				SENSOR2
29	SW2				SENSOR1
30					
31	AGND				
32					TX SCI
33					
34					RX SCI
35	LED SEG7	KEYY3			IR TX GATE
36	LED SEG6	KEYY2			
37	LED SEG5	KEYY1			
38	LED SEG4	KEYY0	PD		
39	LED SEG3	KEYX3	A8		
40	LED SEG2	KEYX2	A9		
41	LED SEG1	KEYX1	P/R*		
42	LED SEG0	KEYX0	CE*		
43					
44					
45					
46		KSTRB			IR RX
47	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)
48	LED D3 RED	LED D3 RED			
49	GROUND	GROUND	GROUND	GROUND	GROUND
50	GROUND	GROUND	GROUND	GROUND	GROUND

	APPLICATION CARD CONNECTOR P1					
Pin #	**AD12XYSM**	**AD12DXXYZSM**	**AD12DAC4**	**AD12DAS32**	**AD11MIB**	**AD11MX1**
1			WR*			
2					MOSI/SDA	
3			CSLSB*		SCK/SCL	
4			CSMSB*		SS*	
5						
6				HBEN		
7	MOSFET			PT6		
8				PT5	IR TX GATE	
9					SPEAKER	
10						
11		X HOME				
12		Y HOME				
13		XZ HOME				
14	X0 I1 CTRL	Y HALF	YLDAC4	CS4B*	ADDR15	ADDR15
15	X0 I0 CTRL	Z HALF	XLDAC4	CS4A*	ADDR14	ADDR14
16	X1 I1 CTRL	X DIR	YLDAC3	CS3B*	ADDR13	ADDR13
17	X1 I0 CTRL	X STEP	XLDAC3	CS3A*	ADDR12	ADDR12
18	Y0 I1 CTRL	Y STEP	YLDAC2	CS2B*	ADDR11	ADDR11
19	Y0 I0 CTRL	Y DIR	XLDAC2	CS2A*	ADDR10	ADDR10
20	Y1 I1 CTRL	Z STEP	YLDAC1	CS1B*	ADDR9	ADDR9
21	Y1 I0 CTRL	Z DIR	XLDAC1	CS1A*	ADDR8	ADDR8
22				INT3A		
23				INT3B	LIGHT	
24				INT4A	TEMP	
25				INT4B	POT	
26				INT2B	DACA/J5-1	
27				INT2A	DACB/J5-3	
28				INT1B	DACC/J5-5	
29				INT1A	DACD/J5-7	
30					VRH OUT	
31					AGND	
32					AS	AS
33				ECLK	E	E
34					R/W*	R/W*
35	LIMIT INPUT Y1	X HALF	D0/D8	D7	ADDR0/DATA0	ADDR0/DATA0
36	LIMIT INPUT Y0	Z CTRL	D1/D9	D6	ADDR1/DATA1	ADDR1/DATA1
37	LIMIT INPUT X1	Y CTRL	D2/D10	D5	ADDR2/DATA2	ADDR2/DATA2
38	LIMIT INPUT X0	X CTRL	D3/D11	D4	ADDR3/DATA3	ADDR3/DATA3
39	Y PHASE CTRL1	XYZ EN	D4	D3	ADDR4/DATA4	ADDR4/DATA4
40	Y PHASE CTRL0	X LIMIT	D5	D2	ADDR5/DATA5	ADDR5/DATA5
41	X PHASE CTRL1	Y LIMIT	D6	D1/D9	ADDR6/DATA6	ADDR6/DATA6
42	X PHASE CTRL0	Z LIMIT	D7	D0/D8	ADDR7/DATA7	ADDR7/DATA7
43						
44		RESET*			RESET*	
45					SW3 (XIRQ*)	
46	LIMITS	LIMITS			SW4 (IRQ*)	
47	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)
48						
49	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND
50	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND