MCU CARD H1 CONNECTOR SIGNALS | **APPLICATION CARD CONNECTOR P1**

Pin #	ADAPT912B32	Pin#	AD9S12DEMH1	DKKIR	AD11QMDM	AD9S12SSMI	AD12XYSM	AD12DXXYZSM	AD12DAC4	AD12DAS32
			(mirror-image pinout)	(mirror-image pinout)	(mirror-image pinout)	(mirror-image pinout)				
1	PS4/SDI/MISO	1	LCD DB4		MDIRA2	MISO			WR*	
2	PS5/SDO/MOSI	2	LCD DB5	595DAT	MDIRB2	MOSI				
3	PS6/SCK	3	LCD DB6	595CLK	MENA2	SCK			CSLSB*	
4	PS7/SS*	4	LCD DB7	595LAT	MENB2	SS*			CSMSB*	
5	PS1/TXD0	5	LED D2 GRN							
6	PT7/IOC7/PAI	6	S1	KBD DAT	MOSFET					HBEN
7	PT6/IOC6	7	S2	SPKR	MDIRB1		MOSFET			PT6
8	PT5/IOC5	8	S3		MDIRA1					PT5
9	PT4/IOC4	9	S4		MENB1					
10	PT3/IOC3	10	S5	KBD CLK	MENA1					
11	PT2/IOC2	11	S6			SPEAKER		X HOME		
12	PT1/IOC1	12	S7			SRF04 PIN3		Y HOME		
13	PT0/IOC0	13	S8			SRF04 PIN2		XZ HOME		
14	PJ7/PP7	14	SPKR	DISP EN			X0 I1 CTRL	Y HALF	YLDAC4	CS4B*
15	PJ6/PP6	15	LCD CONTRAST	DISP RS			X0 I0 CTRL	Z HALF	XLDAC4	CS4A*
16	PJ5/PP5	16	VOUT				X1 I1 CTRL	X DIR	YLDAC3	CS3B*
17	PJ4/PP4	17	DRIVER1/SEG8				X1 I0 CTRL	X STEP	XLDAC3	CS3A*
18	PJ3/PP3/PW3	18	DRIVER2/SEG9			SERVO4	Y0 I1 CTRL	Y STEP	YLDAC2	CS2B*
19	PJ2/PP2/PW2	19	LCD RS			SERVO3	Y0 I0 CTRL	Y DIR	XLDAC2	CS2A*
20	PJ1/PP1/PW1	20	LCD E			SERVO2	Y1 I1 CTRL	Z STEP	YLDAC1	CS1B*
21	PJ0/PP0/PW0	21	LCD R/W*			SERVO1	Y1 I0 CTRL	Z DIR	XLDAC1	CS1A*
22	PAD0/AN0	22				SERVO2 MONITOR				INT3A
23	PAD1/AN1	23	TEMP			SERVO1 MONITOR				INT3B
24	PAD2/AN2	24	POT			VIN MONITOR				INT4A
25	PAD3/AN3	25	LIGHT			MIC				INT4B
26	PAD7/AN7	26	SW5			SENSOR4				INT2B
27	PAD6/AN6	27	SW4			SENSOR3				INT2A
28	PAD5/AN5	28	SW3			SENSOR2				INT1B
29	PAD4/AN4	29	SW2			SENSOR1				INT1A
30	VRH	30								
31	VRL	31	AGND							
32	PS3	32				TX SCI				
33	PE4/ECLK	33								ECLK
34	PS2	34				RX SCI				
35	NO CONNECTION	35	LED SEG7	KEYY3		IR TX GATE	LIMIT INPUT Y1	X HALF	D0/D8	D7
36	PDLC6	36	LED SEG6	KEYY2			LIMIT INPUT Y0	Z CTRL	D1/D9	D6
37	PDLC5	37	LED SEG5	KEYY1			LIMIT INPUT X1	Y CTRL	D2/D10	D5
38	PDLC4	38	LED SEG4	KEYY0			LIMIT INPUT X0	X CTRL	D3/D11	D4
39	PDLC3	39	LED SEG3	KEYX3			Y PHASE CTRL1	XYZ EN	D4	D3
40	PDLC2	40	LED SEG2	KEYX2			Y PHASE CTRL0	X LIMIT	D5	D2
41	PDLC1	41	LED SEG1	KEYX1			X PHASE CTRL1	Y LIMIT	D6	D1/D9
42	PDLC0	42	LED SEG0	KEYX0			X PHASE CTRL0	Z LIMIT	D7	D0/D8
43	PE7/DBE*	43								
44	RESET*	44						RESET*		
45	XIRQ*	45								
46	IRQ*	46		KSTRB		IR RX	LIMITS	LIMITS		
47	VCC (+5V)	47	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)
48	PS0/RXD0	48	LED D3 RED	LED D3 RED						
49	GROUND	49	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND
50	GROUND	50	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND