Select Application Card

MCU CARD H1 CONNECTOR SIGNALS		APPLICATION CARD CONNECTOR P1									
Pin #	**ADAPT9S12ZVC**	**AMPS-EVALH1**	**AD9S12DEMH1**	**DKKI**	**AD11DXVRPM**	**AD11QMDM**	**AD9S12SSMI**	**AD12XYSM**	**AD12DXXYZSM**	**AD12DAC4**	**AD12DAS32**
1	PS0/KWS0/MISO0	J8-PS4/MISO/LCD1-DB4/KPD-DOA	LCD DB4			MDIRA2	MISO			WR*	
2	PS1/KWS1/MOSI0	J8-PS5/MOSI/LCD1-DB5/KPD-DOB	LCD DB5	595DAT		MDIRB2	MOSI				
3	PS2/KWS2/SCK0/IRQ*	J8-PS6/SCK/LCD1-DB6/KPD-DOC	LCD DB6	595CLK		MENA2	SCK			CSLSB*	
4	PS3/KWS3/SS0*/XIRQ*	J8-PS7/SS*/LCD1-DB7/KPD-DOD	LCD DB7	595LAT		MENB2	SS*			CSMSB*	
5	PS5/KWS5/MOSI1/TXD1/IOC0_2	TXD0 (JB4)	LED D2 GRN								
6	PT7/IOC0_7/ECLK	J5-PT7/SW1-1	S1	KBD DAT		MOSFET					HBEN
7	PT6/IOC0_6	J5-PT6/SW1-2	S2	SPKR		MDIRB1		MOSFET			PT6
8	PT5/IOC0_5	J5-PT5/SW1-3	S3			MDIRA1					PT5
9	PT4/IOC0_4	J5-PT4/SW1-4	S4			MENB1					
10	PT3/IOC1_3	J5-PT3/SW1-5	S5	KBD CLK		MENA1					
11	PT2/IOC1_2	J5-PT2/SW1-6	S6				SPEAKER		X HOME		
12	PT1/IOC1_1	J5-PT1/SW1-7/SERVO2	S7				SRF04 PIN3		Y HOME		
13	PT0/IOC1_0	J5-PT0/SW1-8/SERVO1	S8		EOM*		SRF04 PIN2		XZ HOME		
14	PAD11/KWAD11/AN11	J6-PP7/SPEAKER(LS1)	SPKR	DISP EN	A7			X0 I1 CTRL	Y HALF	YLDAC4	CS4B*
15	PAD10/KWAD10/AN10	J6-PP6/MENB1	LCD CONTRAST	DISP RS	A6			X0 I0 CTRL	Z HALF	XLDAC4	CS4A*
16	PAD9/KWAD9/AN9/AMP	J6-PP5/MDIRB1	VOUT		A5			X1 I1 CTRL	X DIR	YLDAC3	CS3B*
17	PAD8/KWAD8/AN8/AMPM	J6-PP4/MENA1	DRIVER1/SEG8		A4			X1 I0 CTRL	X STEP	XLDAC3	CS3A*
18	PAD12/KWAD12/AN12	J6-PP3/MDIRA1	DRIVER2/SEG9		A3		SERVO4	Y0 I1 CTRL	Y STEP	YLDAC2	CS2B*
19	PAD13/KWAD13/AN13	J6-PP2/LED2-B	LCD RS		A2		SERVO3	Y0 I0 CTRL	Y DIR	XLDAC2	CS2A*
20	PAD14/KWAD14/AN14	J6-PP1/LED2-G	LCD E		A1		SERVO2	Y1 I1 CTRL	Z STEP	YLDAC1	CS1B*
21	PAD15/KWAD15/AN15	J6-PP0/LED2-R	LCD R/W*		A0		SERVO1	Y1 I0 CTRL	Z DIR	XLDAC1	CS1A*
22	PAD0/KWAD0/AN0/ACMP0_0	J7-AN00					SERVO2 MONITOR				INT3A
23	PAD1/KWAD1/AN1/ACMP0_1	J7-AN01	TEMP				SERVO1 MONITOR				INT3B
24	PAD2/KWAD2/AN2/ACMPO0	J7-AN2	POT				VIN MONITOR				INT4A
25	PAD3/KWAD3/AN3/VRH_0/ACMP1_0	J7-AN3	LIGHT				MIC				INT4B
26	PAD7/KWAD7/AN7/AMPP	AN07/TEMP	SW5				SENSOR4				INT2B
27	PAD6/KWAD6/AN6/DACU	AN06/LIGHT	SW4				SENSOR3				INT2A
28	PAD5/KWAD5/AN5/ACMPO1	AN05/POT	SW3				SENSOR2				INT1B
29	PAD4/KWAD4/AN4/ACMP1_1	J7-AN04	SW2				SENSOR1				INT1A
30	VRH	VRH									
31	GND	AGND	AGND								
32	PE1/XTAL	TXD1(JB5)					TX SCI				
33	PE0/EXTAL	LCD-E/KPD-OE*									ECLK
34	PL1/KWL1	RXD1(JB5)					RX SCI				
35	PL0/KWL0	LED1-SEG8	LED SEG7	KEYY3			IR TX GATE	LIMIT INPUT Y1	X HALF	D0/D8	D7
36	PP7/KWP7/PWM1_7	LED1-SEG7	LED SEG6	KEYY2				LIMIT INPUT Y0	Z CTRL	D1/D9	D6
37	PP6/KWP6/PWM1_5	LED1-SEG6	LED SEG5	KEYY1				LIMIT INPUT X1	Y CTRL	D2/D10	D5
38	PP5/KWP5/PWM1_3	LED1-SEG5	LED SEG4	KEYY0	PD			LIMIT INPUT X0	X CTRL	D3/D11	D4
39	PP4/KWP4/PWM1_1	J8-PH3/LED1-SEG4/SPI-OE*	LED SEG3	KEYX3	A8			Y PHASE CTRL1	XYZ EN	D4	D3
40	PP3/KWP3/PWM0_7	J8-PH2/LED1-SEG3/SPI-S2	LED SEG2	KEYX2	A9			Y PHASE CTRL0	X LIMIT	D5	D2
41	PP2/KWP2/PWM0_5	J8-PH1/LED1-SEG2/SPI-S1	LED SEG1	KEYX1	P/R*			X PHASE CTRL1	Y LIMIT	D6	D1/D9
42	PP1/KWP1/PWM0_3	J8-PH0/LED1-SEG1/SPI-S0	LED SEG0	KEYX0	CE*			X PHASE CTRL0	Z LIMIT	D7	D0/D8
43	PP0/KWP0/PWM0_1	PE7/LCD1-RS									
44	RESET*	RESET*							RESET*		
45	PS6/KWS6/SCK1	XIRQ*									
46	PS7/KWS7/SS1*/SENT_TX/IOC0_0	IRQ*/KEY-DA*		KSTRB			IR RX	LIMITS	LIMITS		
47	VCC	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)	VCC (+5V)
48	PS4/KWS4/MISO1/RXD1/IOC0_3	RXD0	LED D3 RED	LED D3 RED							
49	GND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND
50	GND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND	GROUND