P1 KEYPAD / LCD CONNECTOR PINOUT

PIN	FUNCTION	DIR	LCD AND 8X8 KEYPAD	LCD AND NO KEYPAD	LCD AND 4X8 KEYPAD	NO LCD AND NO KEYPAD	NO LCD AND 4X8 KEYPAD	NO LCD AND 8X8 KEYPAD	Pull-up
1	GND	OUT	GND						
2	GND	OUT	GND						
3	KEY0	OUT	KEY0	OUT6	OUT6	OUT10	OUT10	KEY0	
4	KEY1	OUT	KEY1	OUT7	OUT7	OUT11	OUT11	KEY1	
5	KEY2	OUT	KEY2	OUT8	OUT8	OUT12	OUT12	KEY2	
6	KEY3	OUT	KEY3	OUT9	OUT9	OUT13	OUT13	KEY3	
7	KEY4	OUT	KEY4	OUT10	KEY0	OUT14	KEY0	KEY4	
8	KEY5	OUT	KEY5	OUT11	KEY1	OUT15	KEY1	KEY5	
9	KEY6	OUT	KEY6	OUT12	KEY2	OUT16	KEY2	KEY6	
10	KEY7	OUT	KEY7	OUT13	KEY3	OUT17	KEY3	KEY7	
11	KEY8	IN	KEY8	IN16	KEY4	IN16	KEY4	KEY8	10k
12	KEY9	IN	KEY9	IN17	KEY5	IN17	KEY5	KEY9	10k
13	KEY10	IN	KEY10	IN18	KEY6	IN18	KEY6	KEY10	10k
14	KEY11	IN	KEY11	IN19	KEY7	IN19	KEY7	KEY11	10k
15	KEY12	IN	KEY12	IN20	KEY8	IN20	KEY8	KEY12	10k
16	KEY13	IN	KEY13	IN21	KEY9	IN21	KEY9	KEY13	10k
17	KEY14	IN	KEY14	IN22	KEY10	IN22	KEY10	KEY14	10k
18	KEY15	IN	KEY15	IN23	KEY11	IN23	KEY11	KEY15	10k
19	GND	OUT	GND						
20	RES	XX	-						
21	RES	XX	-						
22	RES	XX	-						
23	RES	XX	-						
24	GND	OUT	GND						
25	+5V	OUT	+5V						
26	RES	XX	-						
27	GND	OUT	GND						
28	+5V	OUT	+5V						
29	LCD11 (VEE)	OUT	LCD11 (VEE)			OUT21	OUT17	OUT13	*
30	LCD10 (RS)	OUT	LCD10 (RS)			OUT20	OUT16	OUT12	
31	LCD9 (R/W)	OUT	LCD9 (R/W)			OUT19	OUT15	OUT11	
32	LCD8 (E)	OUT	LCD8 (E)			OUT18	OUT14	OUT10	
33	LCD0 (OUT2)	OUT	OUT2						
34	LCD1 (OUT3)	OUT	OUT3						
35	LCD2 (OUT4)	OUT	OUT4						
36	LCD3 (OUT5)	OUT	OUT5						
37	LCD4	OUT	LCD4			OUT6			
38	LCD5	OUT	LCD5			OUT7			
39	LCD6	OUT	LCD6			OUT8			
40	LCD7	OUT	LCD7			OUT9			
* LCD11 has a 1 mS RC filterand 1K series resistance.									
Jumper									
W5			UP	DOWN	DOWN	DOWN	DOWN	UP	
W6			DOWN	DOWN	UP	DOWN	UP	DOWN	
W7			UP	UP	UP	DOWN	DOWN	DOWN	

P2 INPUT / OUTPUT CONNECTOR PINOUT

PIN	FUNCTION	DIR	Special Function	Pull-up
1	GND	OUT		
2	GND	OUT		
3	IN0	IN	Analog in	
4	IN1	IN	Analog in	
5	IN2	IN	Analog in	
6	IN3	IN	Analog in	
7	IN4	IN	Analog in	
8	IN5	IN	Analog in	
9	IN6	IN	Analog in	
10	IN7	IN	Analog in	
11	AVDD	OUT		
12	AVDD	OUT		
13	GND	OUT		
14	IN8	IN	ENC0 A	4.7k
15	IN9	IN	ENC0 B	4.7k
16	IN10	IN	ENC1 A	4.7k
17	IN11	IN	ENC1 B	4.7k
18	IN12	IN	ENC2 A	4.7k
19	IN13	IN	ENC2 B	4.7k
20	IN14	IN	ENC3 A	4.7k
21	IN15	IN	ENC3 B	4.7k
22	GND	OUT		
23	OUT0	OUT		
24	GND	OUT		
25	OUT1	OUT		
26	GND	OUT		
27	/COMM	OUT		
28	/FAULT	OUT		
29	3.3V	OUT		
30	GND	OUT		
31	OD0	OUT		
32	+5V	OUT		
33	OD1	OUT		
34	+5V	OUT		

J1 RJ-45 HOST CONNECTOR PINOUT

PIN	SIGNAL	DIR	CAT5 568B COLOR
1	RX-	TO 7I73	ORANGE/WHITE
2	RX+	TO 7I73	ORANGE
3	TX-	FROM 7I73	GREEN/WHITE
4	GND	TO 7I73	BLUE
5	GND	TO 7I73	BLUE/WHITE
6	TX+	FROM 7I73	GREEN
7	+5V	TO 7I73	BROWN/WHITE
8	+5V	TO 7I73	BROWN

SERIAL PORT J1 TERMINATION

W10	W11	MODE
UP	UP	Terminated (default)
DOWN	DOWN	Unterminated