

<MAIN PCB>

Module_1		
Module Pin NO.	MCU PIN NO.	Description
1	10	PB0(ss <sup>-</sup> )
2	11	PB1(SCK)
3	12	PB2(MOSI)
4	13	PB3(MISO)
5	—	GND
6	61	PF0(ADC0)
7	—	—
8	—	5V
Module_2 (Serial Communication possible)		
Module Pin NO.	MCU PIN NO.	Description
1	25	PD0(SCL/INT0)
2	26	PD1(SDA/INT1)
3	27	PD2(RXD1/INT2) - Serial RX
4	28	PD3(TXD1/INT3) - Serial TX
5	—	GND
6	60	PF1(ADC1)
7	—	—
8	—	5V
Module_3		
Module Pin NO.	MCU PIN NO.	Description
1	29	PD4(IC1)
2	30	PD5(XCK1)
3	31	PD6(T1)
4	32	PD7(T2)
5	—	GND
6	59	PF2(ADC2)
7	—	—
8	—	5V
Module_4 (Serial Communication possible)		
Module Pin NO.	MCU PIN NO.	Description
1	2	PE0(RXD0/PDI) - Serial RX
2	3	PE1(TXD0/PDO) - Serial TX
3	4	PE2(XCK0/AIN0)
4	5	PE3(OC3A/AIN1)
5	—	GND
6	58	PF3(ADC3)
7	—	—
8	—	5V
Module_5		
Module Pin NO.	MCU PIN NO.	Description
1	9	PE7(IC3/INT7)
2	18	PG3(TOSC2)
3	19	PG4(TOSC1)
4	56	PF5(ADC5/TMS)
5	—	GND
6	57	PF4(ADC4/TCK)
7	—	—
8	—	5V

<Input MODULE PCB>

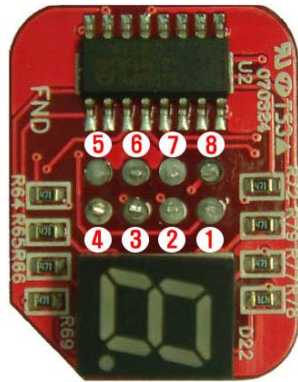
CDS Sensor Module		
Module Pin NO.	MCU PIN NO.	Description
1	—	—
2	—	—
3	—	—
4	—	—
5	—	GND
6	—	CDS sensor input data (analog data)
7	—	—
8	—	5V
Touch Sensor Module		
Module Pin NO.	MCU PIN NO.	Description
1	—	Touch sensor input data
2	—	—
3	—	—
4	—	LED output signal
5	—	GND
6	—	—
7	—	—
8	—	5V
Switch Module		
Module Pin NO.	MCU PIN NO.	Description
1	—	SW16 input data
2	—	SW15 input data
3	—	SW14 input data
4	—	—
5	—	GND
6	—	—
7	—	—
8	—	5V
Remote Module		
Module Pin NO.	MCU PIN NO.	Description
1	—	—
2	—	—
3	—	—
4	—	—
5	—	GND
6	—	Remote input data
7	—	—
8	—	5V
IR Sensor Module		
Module Pin NO.	MCU PIN NO.	Description
1	—	GND
2	35	PC0(A8)/IR Sensor FR
3	36	PC1(A9)/IR Sensor FC
4	37	PC2(A10)/IR Sensor FL
5	38	PC3(A11)/IR Sensor BR

6	39	PC4(A12)/IR Sensor BC
7	40	PC5(A13)/IR Sensor BL
8	41	PC6(A14) /IR Sensor Radiation
9	—	VCC
10	—	None
<b>Mic</b>		
—	<b>MCU PIN NO.</b>	<b>Description</b>
—	55	PF6(ADC6/TD0)

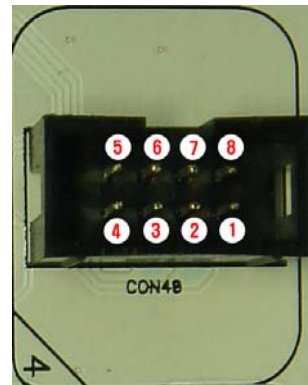
<Out MODULE PCB>

<b>Speaker Module</b>		
<b>Module Pin NO.</b>	<b>MCU PIN NO.</b>	<b>Description</b>
1	—	Speaker output signal
2	—	—
3	—	—
4	—	—
5	—	GND
6	—	—
7	—	—
8	—	5V
<b>Buzzer Module</b>		
<b>Module Pin NO.</b>	<b>MCU PIN NO.</b>	<b>Description</b>
1	—	—
2	—	Buzzer output signal
3	—	—
4	—	—
5	—	GND
6	—	—
7	—	—
8	—	5V
<b>4Pole LED Module</b>		
<b>Module Pin NO.</b>	<b>MCU PIN NO.</b>	<b>Description</b>
1	—	①LED output signal
2	—	②LED output signal
3	—	③LED output signal
4	—	④LED output signal
5	—	GND
6	—	—
7	—	—
8	—	5V
<b>FND Module</b>		
<b>Module Pin NO.</b>	<b>MCU PIN NO.</b>	<b>Description</b>
1	—	FND output data
2	—	FND SRCK
3	—	FND RCK
4	—	—
5	—	GND
6	—	—
7	—	—
8	—	5V

LCD Module		
Module Pin NO.	MCU PIN NO.	Description
1	—	GND
2	—	5V
3	—	—
4	33	PG0(/WR)
5	34	PG1(/RD)
6	43	PG2(ALE)
7	51	PA0(AD0)
8	50	PA1(AD1)
9	49	PA2(AD2)
10	48	PA3(AD3)
11	47	PA4(AD4)
12	46	PA5(AD5)
13	45	PA6(AD6)
14	44	PA7(AD7)



Module



Module Connector

