



# Ekam Mechatronics Systems

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## Demo Kit P89V51RD2 Board.

### **PORT Details**

J11 - PORT 0

J2 - PORT 1

J5 - PORT 2

J15 - PORT 3

### **Keypad Section:**

Short J19 – To GND R4

4x4 Matrix – Connector J21 Details

1	C4
2	C3
3	C2
4	C1
5	R1
6	R2
7	R3
8	R4

### **RTC Section**

SDA P1.7

SCL P1.6

SQW/OUT P1.5

### **EEPROM Section**

SDA P1.4

SCL P1.3

### **LED Output Section**

J20 - 8-bit Input

### **LCD Section**

Pin Details Connector J1

RS – P1.0

RW – P1.1

CS – P1.2

Data Port – P0



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## **BUZZER – P3.7**

### **ADC Section**

Connector J23 Details

- 1 CS
- 2 RD
- 3 WR
- 4 INTR

J22 – 8- bit Data Out

### **Seven Segment Section (CA)**

Connector J27 Details

- 1- COM
- 2- G
- 3- F
- 4- B
- 5- A
- 6- DP
- 7- C
- 8- D
- 9- E

### **Relay: J30 Control PIN**