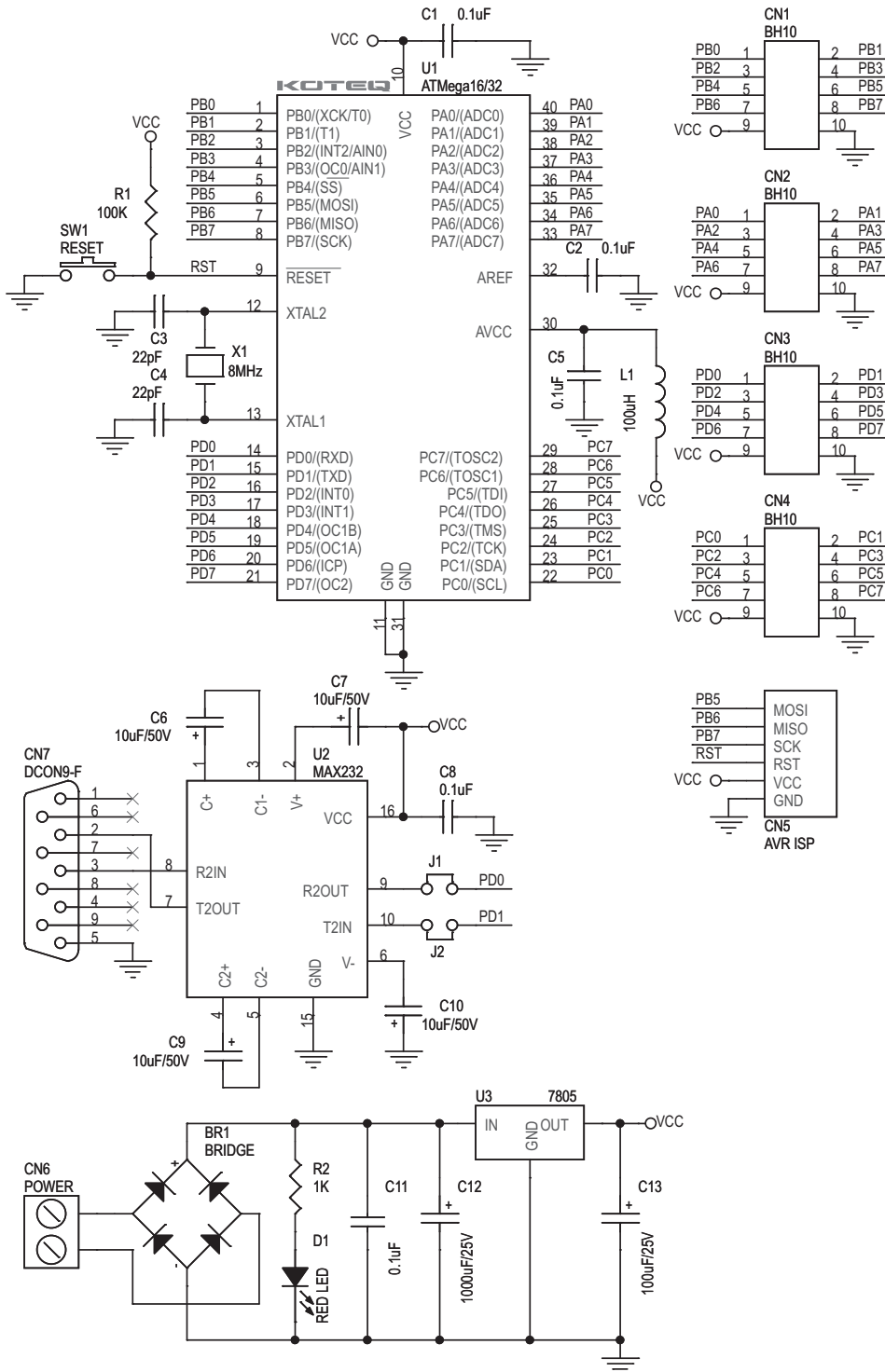
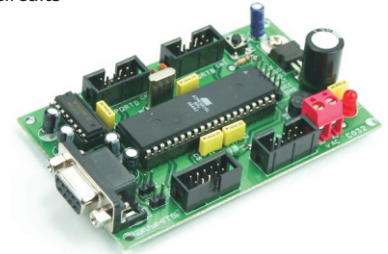


# ATMEGA16/32 DEVELOPMENT BOARD

ATmega16/32 Development Board provides a very simple and cost effective platform for prototyping solution. The compact design provides connection to all the pins of the microcontroller for the user.

- Prototyping solution available for 40-pin ATmega series AVR microcontroller from ATMEL
- All the four ports available to the user via standard 10 pin box header connector with supply of 5 VDC for interfacing circuits
- Onboard reset switch for easy reset of the microcontroller
- ISP (In Circuit Serial Programming) connector available for chips with ISP support
- 8 MHz Crystal onboard
- UART level shifter circuit using MAX232 IC, onboard for easy connection of the board to the RS232 devices
- Jumper selectable connection available for connecting the UART level shifter to the port pins
- Onboard voltage regulator available for sourcing regulated 5V @ upto 1A voltage to the board and connecting circuit
- Power-On LED indicator
- Four mounting holes of 3.2 mm
- PCB dimensions 64 mm x 102 mm



SR.	QTY.	REF.	DESCRIPTION
1	1	BR1	W04/W06 BRIDGE RECTIFIER
2	4	CN1,CN2,CN3,CN4	10 PIN BOX HEADER CONNECTOR
3	1	CN5	6 PIN BERG CONNECTOR
4	1	CN6	2 PIN SCREW TERMINAL CONNECTOR
5	1	CN7	9 PIN D CONNECTOR - FEMALE
6	5	C1,C2,C5,C8,C11	0.1uF
7	2	C3,C4	22pF
8	4	C6,C7,C9,C10	10uF/50V OR 63V
9	1	C12	1000uF/25V
10	1	C13	100uF/25V
11	1	D1	RED LED
12	2	J1,J2	2 PIN JUMPER WITH CLOSER
13	1	L1	100uH
14	1	R1	100K
15	1	R2	1K
16	1	SW1	TACT SWITCH
17	1	U1	ATMEGA16
18	1	U2	MAX232
19	1	U3	7805
20	1	X1	8MHz CRYSTAL
21	1	SOCKET	40 PIN DIP IC SOCKET
22	1	SOCKET	16 PIN DIP IC SOCKET
23	1	SCREW	SC02905
24	1	NUT	NT02900

CN6 Connector : Power Supply 8 to 18 VDC  
 CN1 Connector : Port B  
 CN2 Connector : Port A  
 CN3 Connector : Port D  
 CN4 Connector : Port C  
 CN5 Connector : ISP Connector

