

### Introduction:

The KAVR-2840P is a prototyping PCB designed for the ATMEL ATmega8 and ATmega32 RISC and pin compatible Micro-controllers.

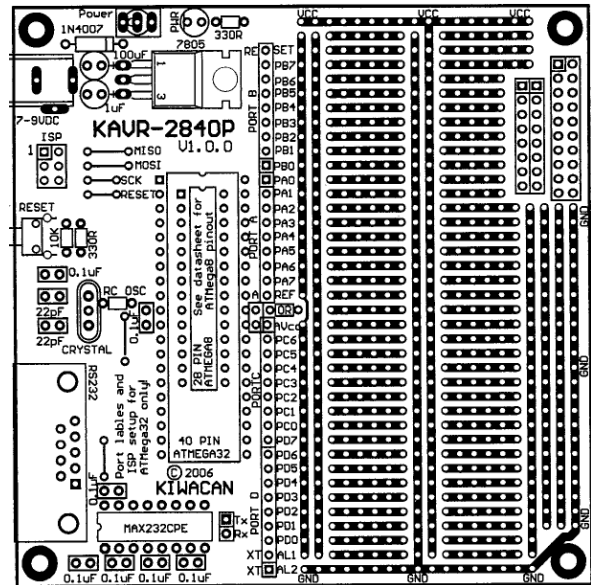
### Features:

- 40 Pin ATmega32 Socket
- 28 Pin ATmega8 Socket
- Power supply section
- RS232 Section
- Reset Circuitry
- ISP – In circuit serial programming for the ATmega32
- Crystal, Ceramic resonator and RC oscillator section.
- Large Prototyping area with power rails
- Stackable with other KAVR and KPIC products.

### Technology:

- Single Sided PCB
- FR-4 PCB material
- 1.6mm Laminate
- 1oz finish copper
- Solder mask
- White Component overlay
- Hot Air Solder Leveled Finish
- Optional Immersion Silver finish for lead free option (add -PBF to part number)
- 102mm x 102mm PCB size

### Photo:

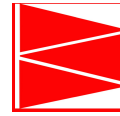


### 40 Pin Device Connections:

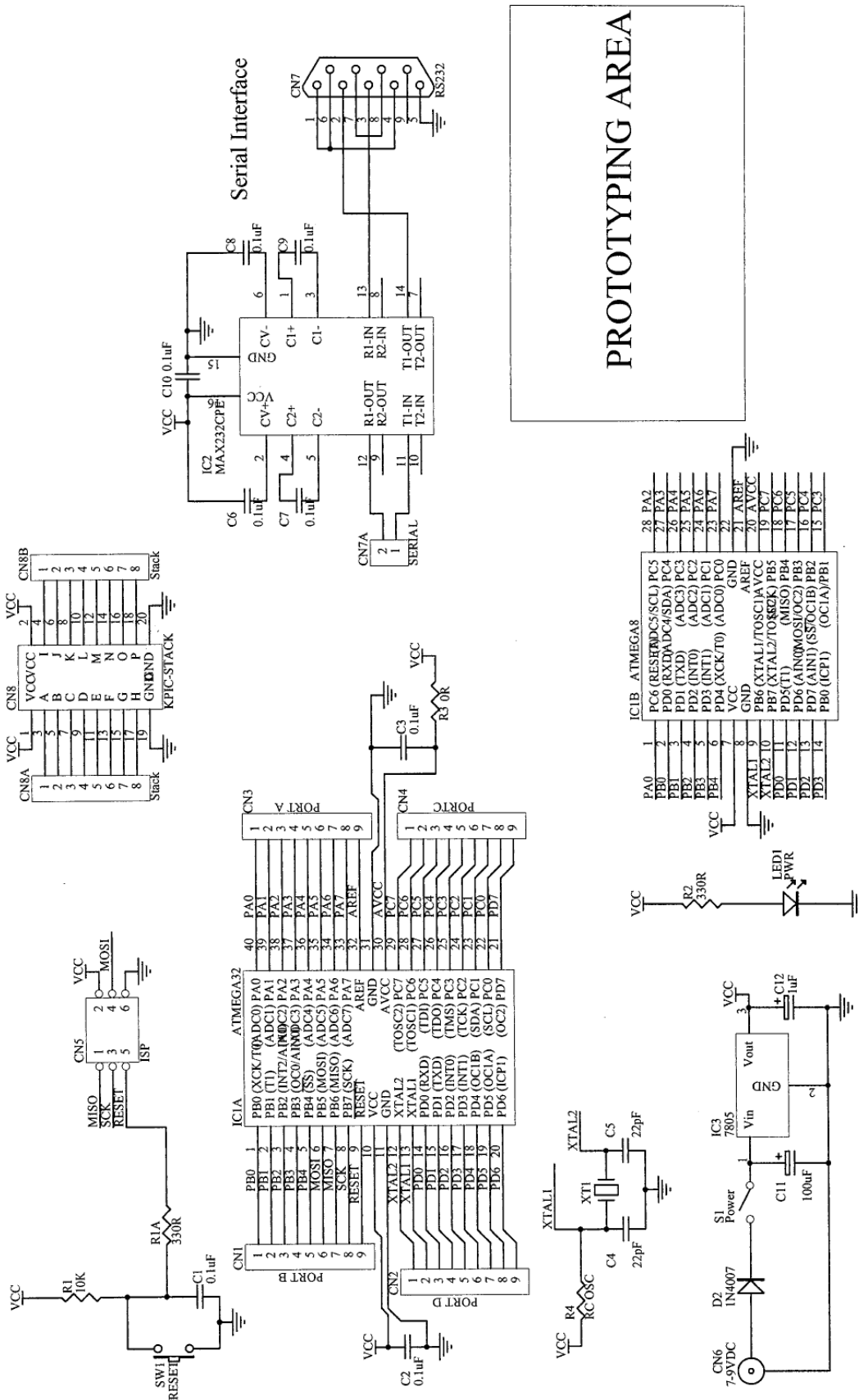
The 40 pin device connections are labeled on the overlay according to the pin outs of the Atmel ATmega32. Please see schematic for more detail.

### 28 Pin Device Connections:

The 28 Pin connections are not labeled on the PCB and care MUST be take. Please check the schematic diagram for the actual connections.



### SCHEMATIC DIAGRAM



PROTOTYPING AREA

KAVR-2840P Prototyping board  
VERSION 1.0.0  
DRAWN BY: M.O Pearce  
19 September 2006  
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# KAVR-2840P

Data sheet Version 060919 PRELIMINARY

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**Kiwacan**

Electronics Design  
Concept to Production