





## ❑ Microchip MCU, ATMEGA3290PA-AU

- PicoPower AVR RISC-based CMOS 8-bit microcontroller
- 32KB ISP flash memory with read-while-write capabilities
- 1KB EEPROM, 2KB SRAM
- 69 general purpose I/O lines, 32 general purpose working registers
- complete on-chip LCD controller with internal contrast control
- three flexible timer/counters with compare modes
- internal and external interrupts
- serial programmable USART, universal serial interface (USI) with start condition detector
- an 8-channel 10-bit A/D converter

## ❑ Microchip EEPROM, AT24C32D-SSHM-T

- 32Kb I2C compatible 2-wire Serial EEPROM
- 4096 x 8 (32 Kbit)
- 400 kHz and 1 MHz clock compatibility
- Self-Timed Erase and Write Cycles (5 ms max.)
- Read current 0.4 mA (Typ), 1 mA (Max)
- Write current 2 mA (Typ), 3 mA (Max)
- Standby current 6  $\mu$ A (Max)

## ❑ Microchip LDO, MIC5524-3.3YMT-T5

- Single High-Performance 500mA LDO
- Input voltage range: 2.5V to 5.5V
- Fixed output voltages down to 1.0V
- 500mA guaranteed output current
- High output initial accuracy ( $\pm 1\%$ )
- High PSRR: 80dB
- Low quiescent current: 38 $\mu$ A