





## □ Microchip MPU, ATSAM4E8EA-AU

- ARM Cortex-M4 with 2 Kbytes Cache
- Max CPU Speed(MHz) : 120
- DSP Instructions, Floating Point Unit (FPU), Thumb®-2 instruction set
- Program Memory Size (KB) : 512
- SRAM (KB) : 128
- Two CAN Controllers with eight Mailboxes
- USB 2.0 Device: Full Speed (12 Mbits)
- 16-bit ADCs of up to 24 channels
- 2-channel, 1Msps, 12-bit DAC

## □ Microchip MCU, ATtiny44A-PU

- picoPower 8-bit AVR RISC-based microcontroller
- Max CPU Speed(MHz) : 20
- Program Memory Size (KB) : 4
- SRAM (Byte) : 256
- One 8-bit and One 16-bit Timer/Counter with Two PWM Channels
- 8-channel 10-bit A/D converter

## □ Microchip Potentiometer, MCP4013T-503E/CH

- Low-Cost 64-Step Volatile Digital POT
- Simple Up/Down (U/D) Protocol
- Power-on Recall of Default Wiper Setting
- Resistance Values: 2.1 kR, 5 kR, 10 kR or 50 kR

## □ Microchip Potentiometer, MIC261201

- 28V/12A DC-DC Buck Regulator w/Hyper Speed Control™
- High delta V operation (VIN = 28V and VOUT = 0.8V)
- Small output capacitance
- 4.5V to 28V voltage input
- 12A output current capability, up to 95% efficiency
- Adjustable output from 0.8V to 5.5V

## □ Microchip CAN transceiver, ATA6565

- CAN FD ready
- Communication speed up to 5Mbit/s
- Low electromagnetic emission (EME) and high electromagnetic immunity (EMI)
- Differential receiver with wide common mode range
- Remote wake-up capability via CAN bus - Wake-up on Pattern (WUP)