

# Body Massager - Summary

## Summary:

- 공기압 혈액순환안마 장치
- 커프별 커넥터 자동인식
- 원터치 공기압 조절
- 무선 리모컨

## Part :

- **ATSAMD20E14**
  - ARM Cortex-M0+ CPU running at up to 48MHz
  - Single-cycle hardware multiplier
  - 16KB in-system self-programmable Flash
  - 2KB SRAM memory
  - Power-on reset (POR) and brown-out detection (BOD)
  - Internal and external clock options with 48MHz digital frequency locked loop (DFLL48M) and 48MHz to 96MHz
- **MCP1826 (LDO)**
  - Up to 1A output load current
  - Low dropout voltage 300 mV (typ)
  - Output voltage from 0.8V to 5.0V, both fixed and adjustable
  - Stable with 1.0  $\mu$ F ceramic output cap
  - Power good output
  - Low supply current 120  $\mu$ A (typ)



# Body Massager - Block Diagram

