

Stepper Motor Controller - Summary

Summary:

- ❑ Step motor controller set up via Ethernet
- ❑ Microstep and Filtering(고정도 마이크로 스텝 기능 및 Filtering)
- ❑ Software Damping(Software Damping에 의한 진동 억제 및 고속운전)
- ❑ 센서 없이 탈조검출
- ❑ 탈조 발생 시 알람 발생

Part :

- ❑ **KSZ8863MLL (Ethernet Switch)**
 - ❑ IEEE 802.1q VLAN Support for Up to 16 Groups
 - ❑ Supports RMII Interface and 50 MHz Reference Clock Output
 - ❑ MAC Filtering Function to Forward Unknown Unicast Packets to Specified Port
- ❑ **KSZ8721BLI-TR (Ethernet PHY)**
 - ❑ Single chip 100BASE-TX/100BASE-FX/10BASE-T physical layer solution
 - ❑ Fully compliant to IEEE 802.3u standard
- ❑ **MIC5219-3.3YM5-TR(LDO)**
 - ❑ 500 mA Output Current Capability
 - ❑ Low 500 mV Maximum Dropout Voltage at Full Load
- ❑ **ATSAM3X8C**
 - ❑ ARM Cortex-M3 revision 2.0 running at up to 84 MHz
 - ❑ 24-bit SysTick Counter
 - ❑ 2 x 256 Kbytes embedded Flash, 128-bit wide access, memory accelerator, dual bank



Stepper Motor Controller - Block Diagram

