

5. Accumulator ??????

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5.1 AMS ??????

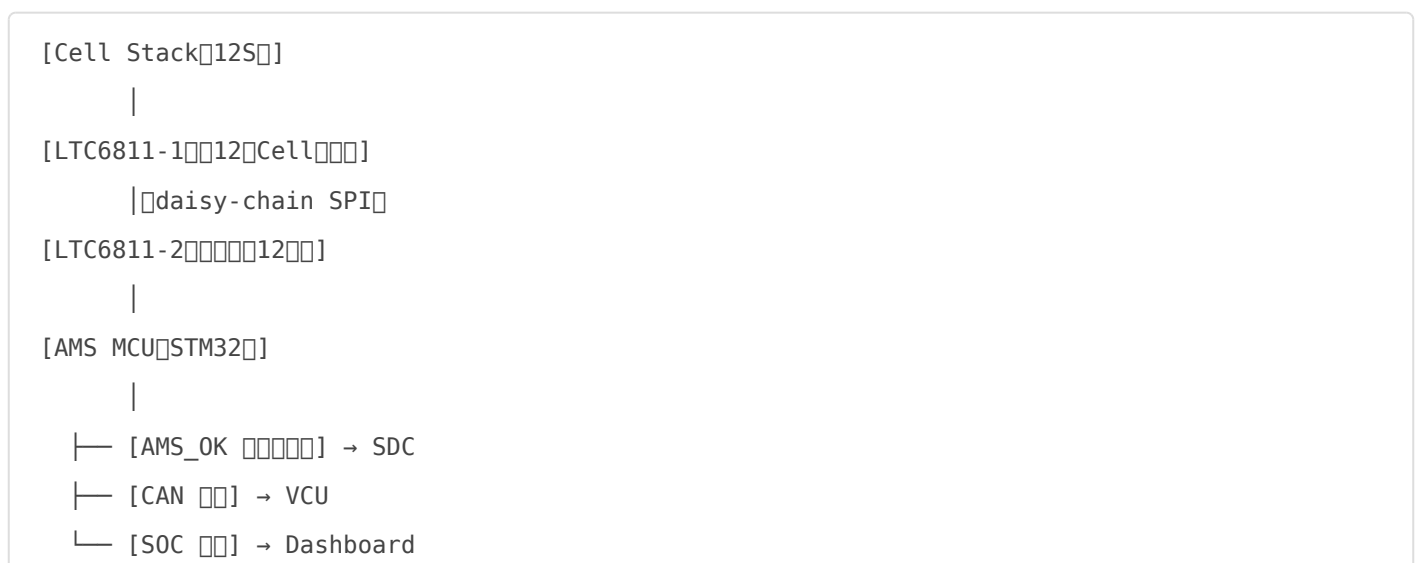
AMS Accumulator Management System FSAE Management System FSAE

BMS Battery

????

	Cell	IC LTC6811
	NTC	ADC
	Cell	+ SDC
	Cell	
	Cell	
SOC		or

LTC6811 ????????



LTC6811

- Li-ion Stack $\leq 1\text{mV}$
- Daisy-chain
- ADC Cell balance Passive Balancing
-

5.2 Precharge ??

Precharge

Motor Controller μF AIR

- Contactor
- Motor Controller
-

Precharge

1. AIR-
2. Precharge Relay MC
3. MC TS $\geq 95\%$ 1-5
4. AIR+
5. Precharge Relay
6. RTD

Precharge

$\tau = R \times C$

- 3τ 95% 1-3
- MC Motor Controller
- $R = \tau / (3 \times C)$
- $P = V^2 / R$ 3-5

Precharge

- Motor Controller DC Bus
- Accumulator
- $< 5\%$ → AIR+

△ Precharge SDC SDC Precharge Relay

Revision #2

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