## MICROCONTROLLER CONTROLL MOSFETS Q2 ME50P06(60V)(61A) D1 SMDJ45CA(45V)(41.3A) Q4 ME50P06(60V)(61A) D2 SMDJ45CA(45V)(41.3A) . . . . . . . . . . . . . PIN ASSIGNMENT TABLE REGULATORS ANALOG TO DIGITAL IO17 Charging Mosfets Gate IO23 SPI MOSI 105 SPI CS ADC128S102 CONVERTER VOUT = 0.765 \* (1 + (R1 / R2))100nF(50V) 22uF(6.3V) 100uF(10V) SYSTEM LED ADC128S102CIMTX/NOPB VOLTAGE MEASUREMENT CONNECTORS MOUNTING HOLES Voltage at +C\_ACS LOAD POSITIVE BATT POSITIVE CHRG POSITIVE CHRG\_VOLTAGE\_\_\_\_ PACK\_VOLTAGE — RTC CURRENT MEASUREMENT µSD CARD NF R34 220(1%) U7.1 DS3231SN# ACS712-5A signal output D6 B5817WS-SJ voltage corresponding to OA value is at VCC/2 + 185mV \* current (A) CR2032-BS-6-1 Ratio 100/102.5 — GND IO18 C30 1nF(10%)(50V) According to datasheet, pins 5-12 must be connected <del>≢</del> GND Card Detect to ground Ţ GND GND myWBMS - BMU REV: 0.2 Company: Simemap Date: 2021-06-22 Drawn By: motshua