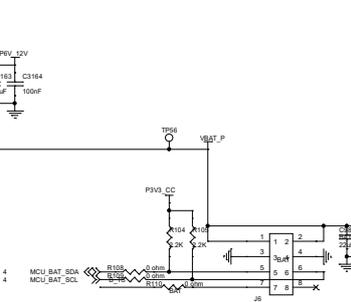


750KHz-1.5-MHz Synchronous Switched-Mode
 5-A charging current with 10-mA resolution
 96.8% efficient: 16-V battery at 3A from 20V
 3.6-V to 24-V wide input operating voltage
 High power density, high integration buck-boost
 charger for 1-4 cell batteries supporting any USB
 PD 3.0 profile
 Integrates four switching MOSFETs, BATFET
 Integrates input and charging current sensing

+0.65% to -0.85% charge voltage regulation for
 2S-4S batteries
 ± 5% charge current regulation
 ± 5% input current regulation



深圳嘉洋电池

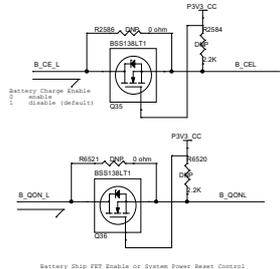
标称电压：7.6V
 充电限制电压：8.7V
 标容量：6000mAh (25°C)
 截止：I2C, 400K Hz
 Cell: KPL765984-3.8V-6000mAh

TS: SNS103B23435FE12040EHD15

00 段 27.9650 K Ohm
 10 段 18.1667 K Ohm
 25 段 10.0000 K Ohm
 45 段 4.88790 K Ohm
 50 段 4.13860 K Ohm
 60 段 3.00720 K Ohm



B_STAT Status:
 0:0 when charge is progress
 1:0 when full charge occurs
 2:00 when charge is complete or in SLEEP mode



Feedback Regulation Voltage: 2.1V @ (VT3 < VTS < VT1)
 Feedback Regulation Voltage: 2.05V @ (VT4 < VTS < VT3)
 Feedback Regulation Voltage: 2.025V @ (VTS < VFS < VT4)

VT1: T1 (0° C) threshold, Charge suspended below this temperature.
 VTS rising, As Percentage to VREF 70.2% 70.8% 71.4%

VT2: T2 (10° C) threshold, Charge back to ICHARGE / 2 and VFB = 2.1 V
 below this temperature. VTS rising, As Percentage to VREF
 68.6% 69.2%

VT3: T3 (45° C) threshold, Charge back to ICHARGE and VFB = 2.05V
 above this temperature. VTS falling, As Percentage to VREF
 55.5% 56.1% 56.7%

VT4: T4 (50° C) threshold, Charge back to ICHARGE and VFB = 2.025V
 above this temperature. VTS falling, As Percentage to VREF
 53.2% 53.7% 54.2%

VT5: T5 (60° C) threshold, Charge suspended above this temperature
 VTS falling, As Percentage to VREF 47.6% 48.1% 48.6%

小鱼易连	
File: Battery	TYR
Size: C	Doc No: TYR-BAT-IO
DATE: Thursday, January 04, 2024	Sheet: 6 of 11