

POWER INPUT / CHARGER (BQ25895): ILIM 261R -> 1.23-1.49 A; TS window -2..43 C; /CE high until firmware (Q1) RAILS: TP563031 +3V3 (always on), TP563070 VPUMP 4.99 V (EN=PUMP_EN), SGM2036 VEXC 2.5 V

MCU ESP32-C3 + PUMP DRIVER DRV8837 (shunt R15 50 mOhm in MOT_RTN)

ADC ADS1220: AINO/1 bridge G64 ratiometric (REFP0=VEXC), AIN2 shunt G4 bypass, AIN3 SYS/2

