## **Power Architecture** Phase SWITCH T1A Fuse HLK PM12 +12V +5V IEC-C14 12V to 5V sOCKET 12V/3W Buck Neutral Earth System Architecture +3V3 SPI 2inch 24\*320 4\*4 GPIO x8 Reset-D26 Color Display Keypad Matrix BL-D14 I2C GPIO\_PWM-D17 **INA260** Buzzer ✓IN1 GPIO\_PWM-D15 NTC Cooling FAN ADC ESP32-WROOM Temperature Monitoring Dev-Module Load Relay Input GPIO-D19 LOAD\_IN+ Connector control Load Reverse LOAD\_IN+ GPIO\_D2 **Polarity** Detection Power Mosfet GPIO\_PWM-D4 х3 **Architecture** REV: 1.0 G-FAM TECH Company: GFam-Tech Sheet: 1/1 Date: 2025-10-02 Drawn By: Gopinath Gopalakrishnan

