POWER SEQUENCE DESIGN DC TO DC POWER SEQUENCING AC TO DC POWER SEQUENCYING 12V TO 5V 24V TO 12V 2.5A 250 VAC TO 24V DC U2 LMR<u>16006YQ5DDCR</u>Q1 VCC GND FB GND VIN SHDN# ENB ___ LM50-22B24 Mornsun SMPS-24V/2.2A /52 8W VIN = 3 V to 24 VVIN2<u>4V</u>/2.2A GND DC Enclosed Switching Single Output Power 2<u>50</u>VAC PGOOD GND D1 MMSZ5245ET1G VOUT VIN VCC 7. VOUT BOOT 6. ENB ___ VOUT = 1 V to 15 V IOUT(max) = 2.5 A C4 0.1u VIN = 12VCOUŢ GND GND GND GND $ar{\mathsf{GND}}$ $\overline{\bar{N}}$ D $\overline{\bar{N}}$ D DC TO DC ANALOG POWER SEQUENCING 3V3 TO 1.8V 5V TO 3V3 5V TO 3.3 ANALOG U4 LM1117MPX-1.8/NOPB C14 0.1u VIN 3V3 SI2301CDS-T1-GE3-VB Q1 U7 LP590712QDQNRQ1 VO<u>U</u>T VO<u>U</u>T U9 LP2985IM5X-3.3 VOUT 3V3 OUT OUT 3 = GND C12 1uF <u>∓</u> GND GND RP2 R_3386P_EU = GND GND GND 5V TO 1.2V ANALOG U5 LP590712QDQNRQ1 V<u>O</u>UT ≡ GND GND <u>∓</u> GND TITLE: POWER SEQUENCING REV: 1.0 Sheet: 1/1 Company: **EasyEDA** Date: 2025-04-19 Drawn By: janardhan bv