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TODO note: change references link and MPN for all resistor and capa
                                                TODO note:
                                               U11.4 : SW — Switch node. Do not place any external component on this pin or connect this pin to any signal.
U11.5 : DNC — Do not connect. Do not connect this pin to ground, to another pin, or to any other voltage. This pin is connected to the internal bootstrap capacitor. This pin must be soldered to an isolated pad.
U11.3, U11.5, U11.1.3 : NC — these pins to the PGND plane can help enhance shielding and thermal performance.
U11.12 : PGOOD — A 10-kohm to 100-kohm pullup resistor is required and can be tied to the V5V pin or other DC voltage less than 18V.
                                                R48 = 10kohm (recommended)
R50 = 2.49kohm (R50 = R48 / (5V - 1))
                                                Cin > 9.4uF
C56 + C57 + C58 = (10uF + 10uF + 100nF) rated @ 75V.
                                                Cout > 15\mu (according figure 7-2 in datasheet SLVSG72 / TPSM560R6H) C59 = 22\muF/25V
                                                                                                            U11
                                                                                                       TPSM5601R5
                         VPOWER >
                                                                                                                                                                                  5V0 >
                                                                                                                   Vout
                                                                                                      Vín
                                                                                                                  Vout
                                                                                                                                                                 R48
                                                                                                                    SW 4×
                                                                                                                                                                 10k
                                                                                                                                FB_5V0
                                                                                                                     FB
                                                                                                                    PG 12
                                       C56 C57 C58
                                                                                                                                                 —DPG_5V0
                                                                                                                                              □ R49
                                                                                                                                                                           22uF
                                                                                                                                              100k
                                                                                                                   V5V 11 V5V_5V0
                                                                                                   NC1
                                                                                                                                                                   R50
                                                                                                  DNC2
NC3
                                                                                                                                                                 2.49k
                                                                                                                AGND 10
                                                                                                                 PGND 15
                                                                                                  13<sub>NC4</sub>
                                                                                                                                                                \rightarrow
                                       GND
                                                    GND
                                                                  GND
                                                                                      GND
                                                                                                                                            GND
                                                                                                                                                               GND
                                                                                                                                                                          GND
                                                                                                                                                                LAAS/CNRS
                                                                                                                                                                Sheet: /Power distribution/OMODRI_Alim_5V/
                                                                                                                                                                File: OMODRI_Alim_5V.kicad_sch
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