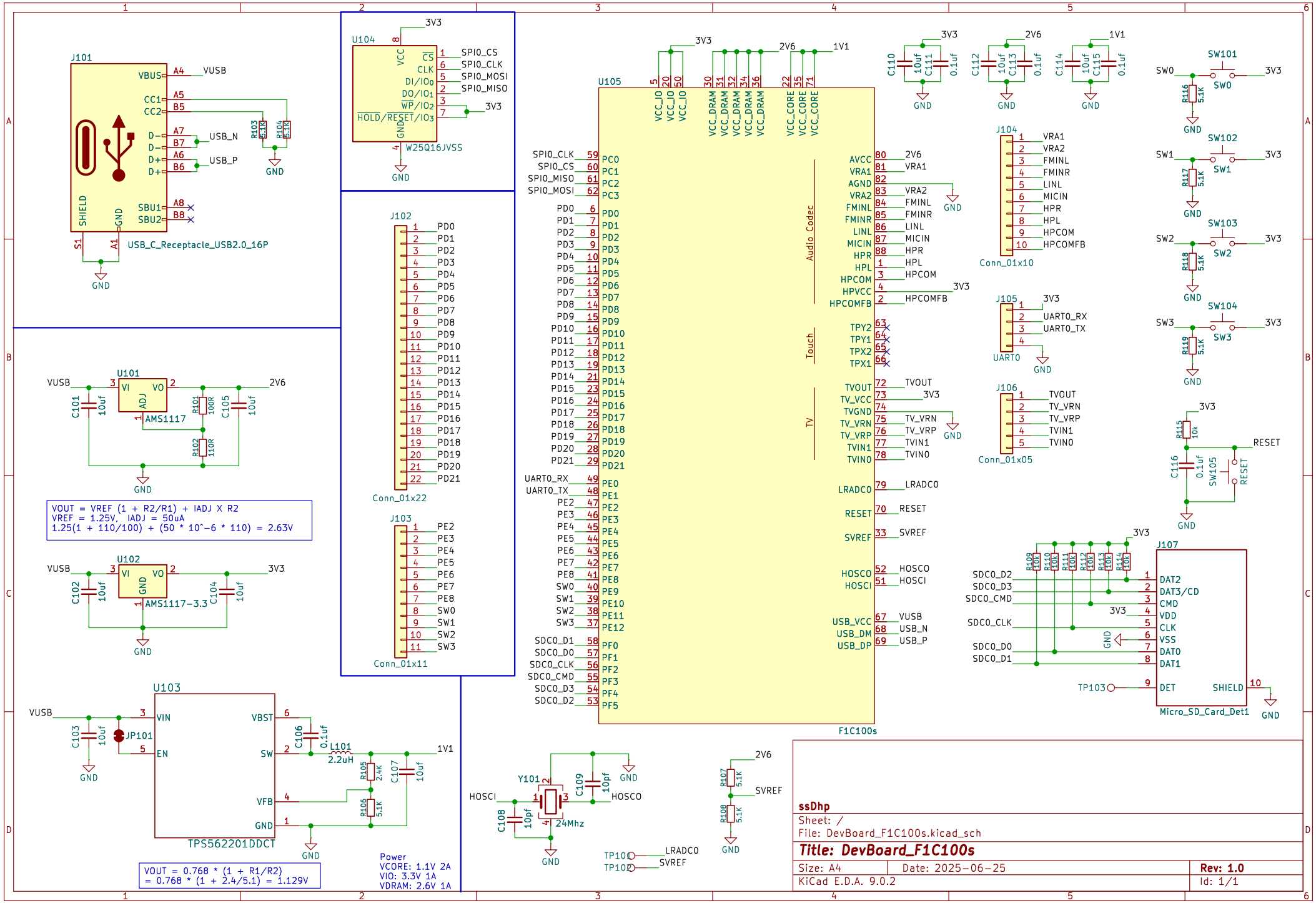
J101
USB_C_Receptacle_USB2.0_16P
U104
W25Q16JVSS
U105
F1C100s
Audio Codec
Touch
TV
J102
Conn_01x22
J103
Conn_01x11
J104
Conn_01x10
J105
UART0
J106
Conn_01x05
J107
Micro_SD_Card_Det1
U101
AMS1117
VOUT = VREF (1 + R2/R1) + IADJ X R2
VREF = 1.25V, IADJ = 50uA
1.25(1 + 110/100) + (50 * 10^-6 * 110) = 2.63V
U102
AMS1117-3.3
U103
TPS562201DDCT
VOUT = 0.768 * (1 + R1/R2)
= 0.768 * (1 + 2.4/5.1) = 1.129V
Power
VCORE: 1.1V 2A
VIO: 3.3V 1A
VDRAM: 2.6V 1A
Y101
24Mhz
SW101
SW102
SW103
SW104
RESET
ssDhp
Sheet: /
File: DevBoard_F1C100s.kicad_sch
Title: DevBoard_F1C100s
Size: A4
Date: 2025-06-25
Rev: 1.0
KiCad E.D.A. 9.0.2
Id: 1/1