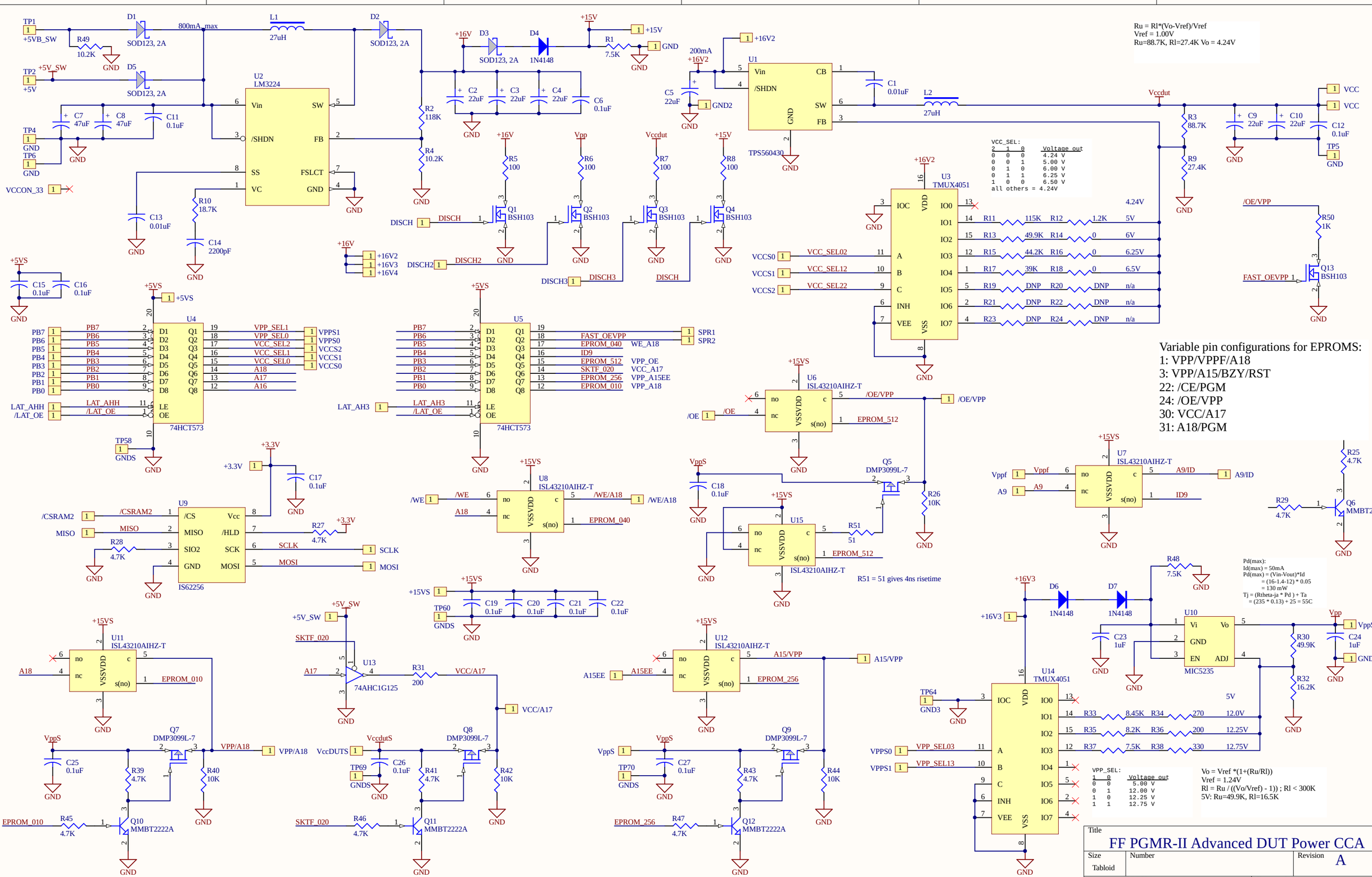
Ru = Rl*(Vo-Vref)/Vref
Vref = 1.00V
Ru=88.7K, Rl=27.4K Vo = 4.24V
VCC_SEL:
2 1 0 Voltage out
0 0 0 4.24 V
0 0 1 5.00 V
0 1 0 6.00 V
0 1 1 6.25 V
1 0 0 6.50 V
all others = 4.24V
Variable pin configurations for EPROMS:
1: VPP/VPPF/A18
3: VPP/A15/BZY/RST
22: /CE/PGM
24: /OE/VPP
30: VCC/A17
31: A18/PGM
VPP_SEL:
1 0 Voltage out
0 0 5.00 V
0 1 12.00 V
1 0 12.25 V
1 1 12.75 V
Vo = Vref *(1+(Ru/Rl))
Vref = 1.24V
Rl = Ru / ((Vo/Vref) - 1)) ; Rl < 300K
5V: Ru=49.9K, Rl=16.5K
Pd(max):
Id(max) = 50mA
Pd(max) = (Vin-Vout)*Id
= (16-1.4-12) * 0.05
= 130 mW
Tj = (Rtheta-ja * Pd ) + Ta
= (235 * 0.13) + 25 = 55C
R51 = 51 gives 4ns risetime
Title
FF PGMR-II Advanced DUT Power CCA
Size Tabloid
Number
Revision A
Date: 8/2/2024
Sheet of
File: C:\Users\..\pwr.SchDoc
Drawn By: