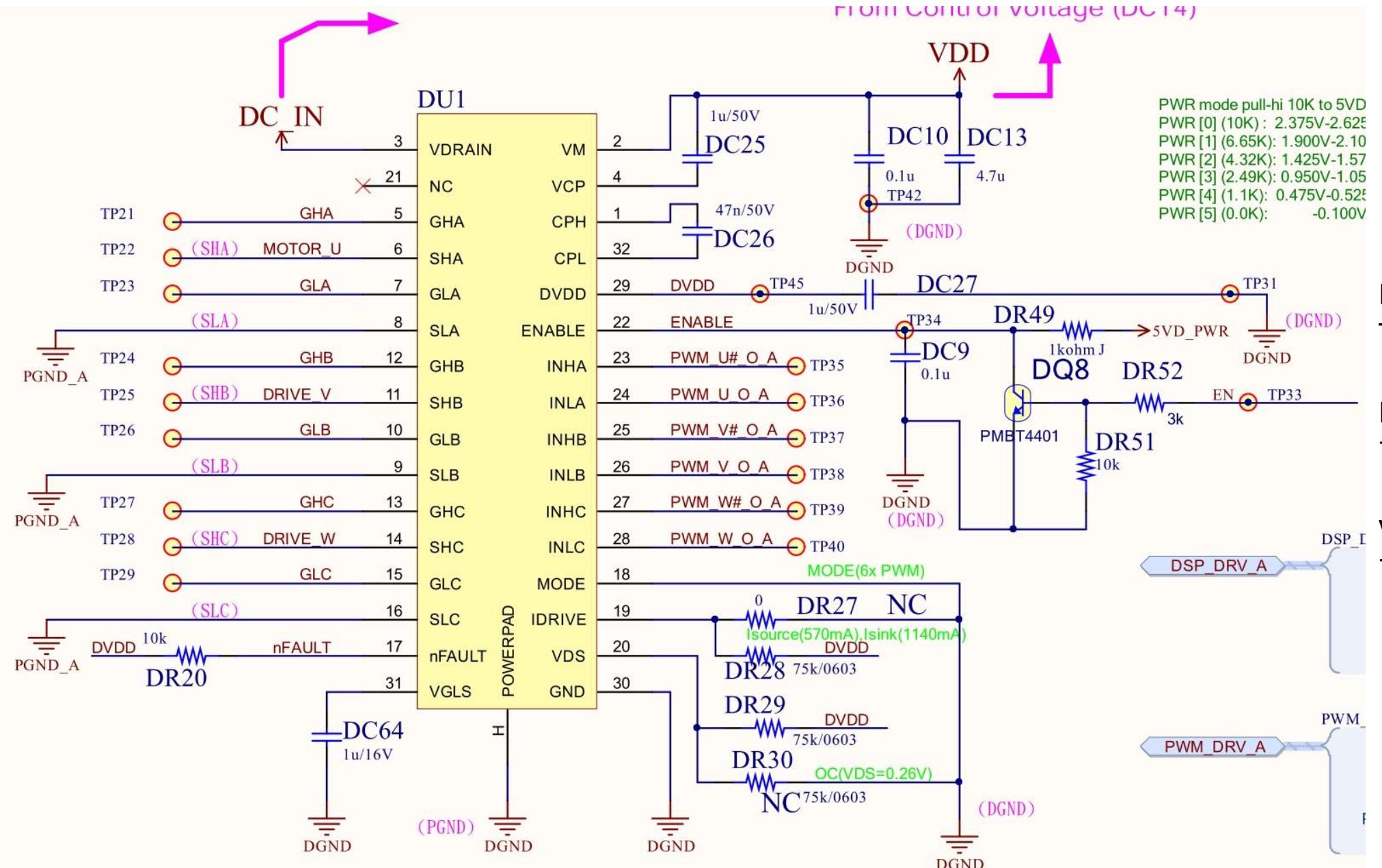


Schematic for DRV8350



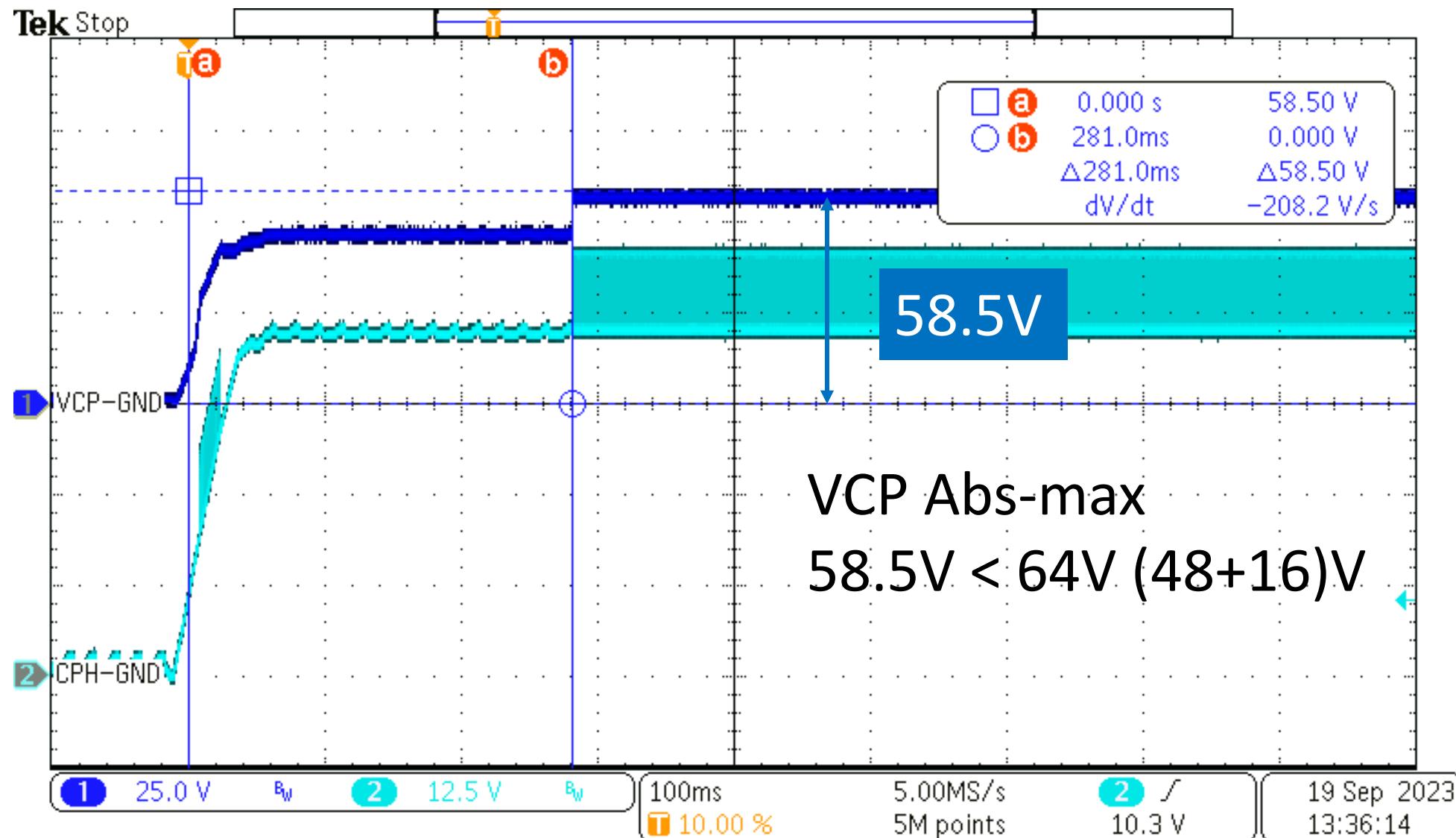
PWR mode pull-hi 10K to 5VD
 PWR [0] (10K): 2.375V-2.625
 PWR [1] (6.65K): 1.900V-2.10
 PWR [2] (4.32K): 1.425V-1.57
 PWR [3] (2.49K): 0.950V-1.05
 PWR [4] (1.1K): 0.475V-0.525
 PWR [5] (0.0K): -0.100V

MODE(6xPWM):
 Tie to GND

IDRIVE(450/900mA):
 75k ohm to DVDD

VDS(0.7V):
 75k ohm to DVDD

CH1: Measure between VCP-GND



Current calculate for IVCP

$IVCP > 3 \times Qg \times fpwm \rightarrow$ Equation from DRV8350 Datasheet

MOSFET $Qg=134.4\text{nC}$ \rightarrow Value from MOSFET Datasheet

$fpwm = 8\text{KHz}$ \rightarrow Design Parameter

$V_m=12V \rightarrow IVCP=0 \text{ to } 20mA$

$20mA > 3 \times 134.4\text{nC} \times 8\text{kHz}$

$20mA > 3.23mA$