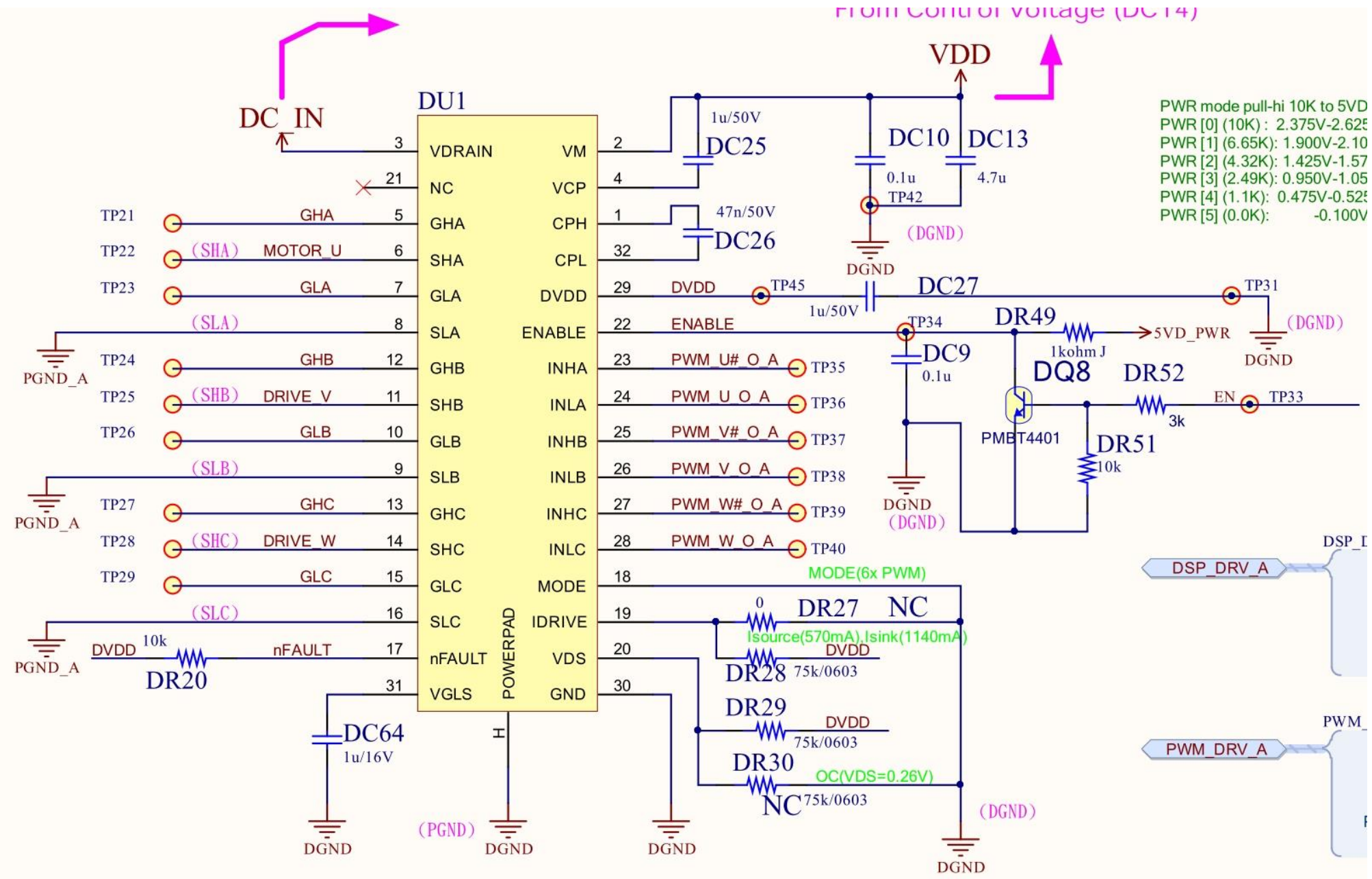


Schematic for DRV8350

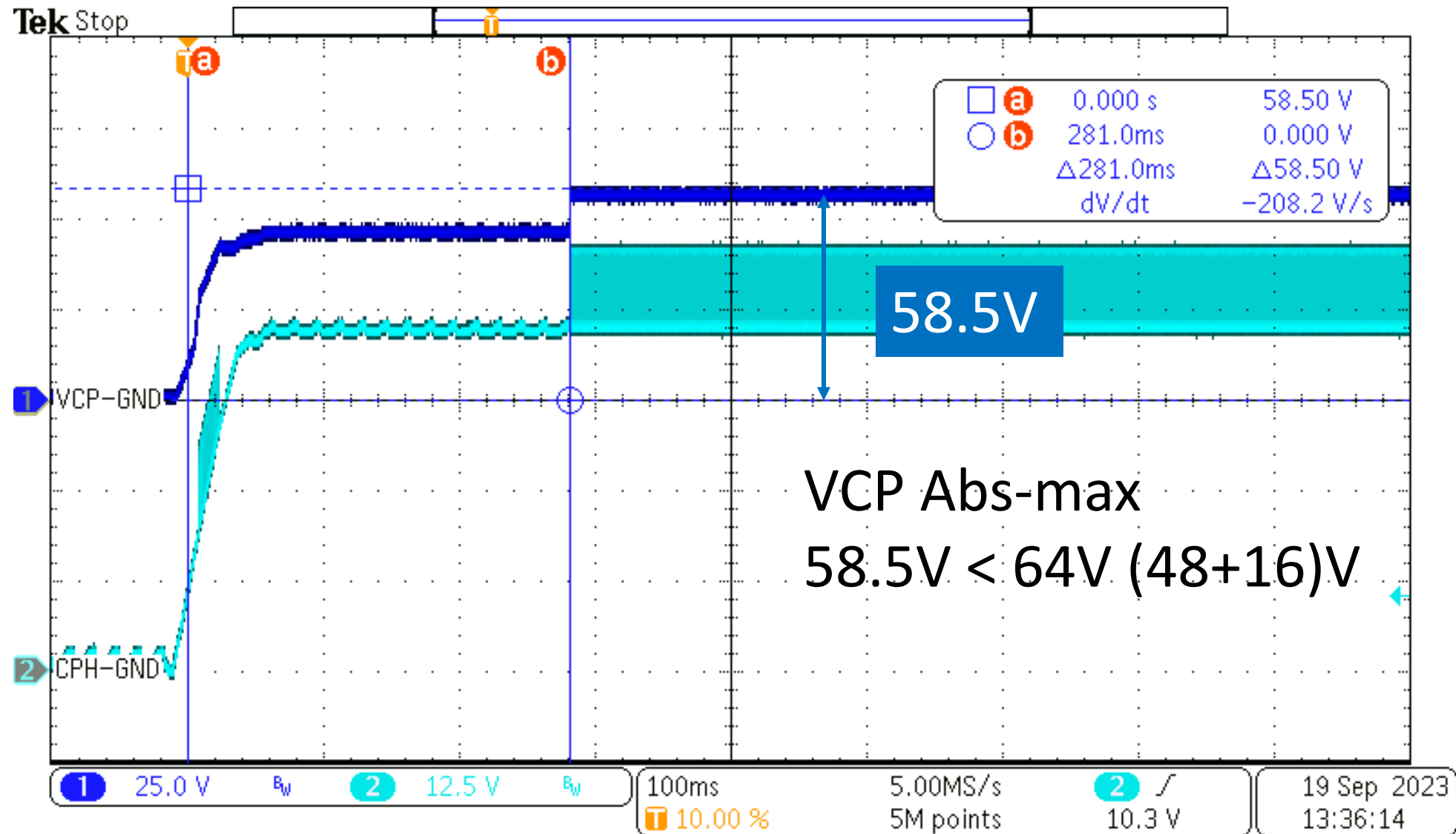


MODE(6xPWM):
Tie to GND

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

VDS(0.7V):
75k ohm to DVDD

CH1: Measure between VCP-GND



Current calculate for IVCP

$IVCP > 3 \times Q_g \times f_{pwm}$ -> Equation from DRV8350 Datasheet

MOSFET $Q_g=134.4nC$ -> Value from MOSFET Datasheet

$f_{pwm} = 8kHz$ -> Design Parameter

$V_m=12V$ -> $IVCP=0$ to $20mA$

$20mA > 3 \times 134.4nC \times 8kHz$

$20mA > 3.23mA$