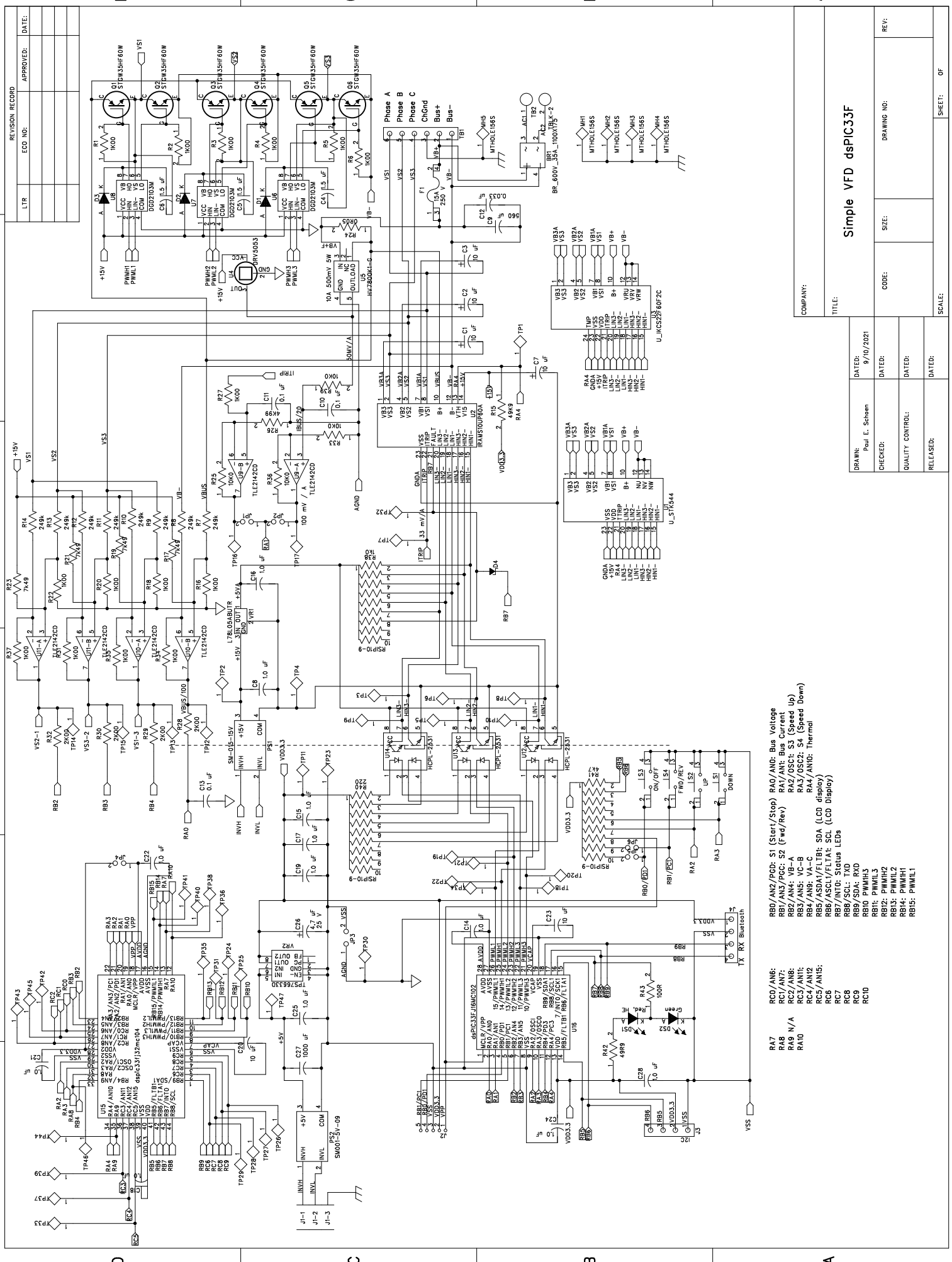
Simple VFD dsPIC33F
Phase A
Phase B
Phase C
ChGnd
Bus+
Bus-
RB0/AN2/PGD: S1 (Start/Stop)
RB1/AN3/PGC: S2 (Fwd/Rev)
RB2/AN4: VB-A
RB3/AN5: VC-B
RB4/AN9: VA-C
RB5/ASDA1/FLTB1: SDA (LCD display)
RB6/ASCL1/FLTA1: SCL (LCD Display)
RB7/INT0: Status LEDs
RB8/SCL: TXD
RB9/SDA: RXD
RB10 PWMH3
RB11: PWMIL3
RB12: PWMIH2
RB13: PWMIL2
RB14: PWMIH1
RB15: PWMIL1
RA0/AN0: Bus Voltage
RA1/AN1: Bus Current
RA2/OSC1: S3 (Speed Up)
RA3/OSC2: S4 (Speed Down)
RA4/AN10: Thermal
RC0/AN6:
RC1/AN7:
RC2/AN8:
RC3/AN11:
RC4/AN12
RC5/AN15;
RC6
RC7
RC8
RC9
RC10
RA7
RA8
RA9 N/A
RA10
Simple VFD dsPIC33F
DRAWN: Paul E. Schoen
DATED: 9/10/2021
REVISION RECORD