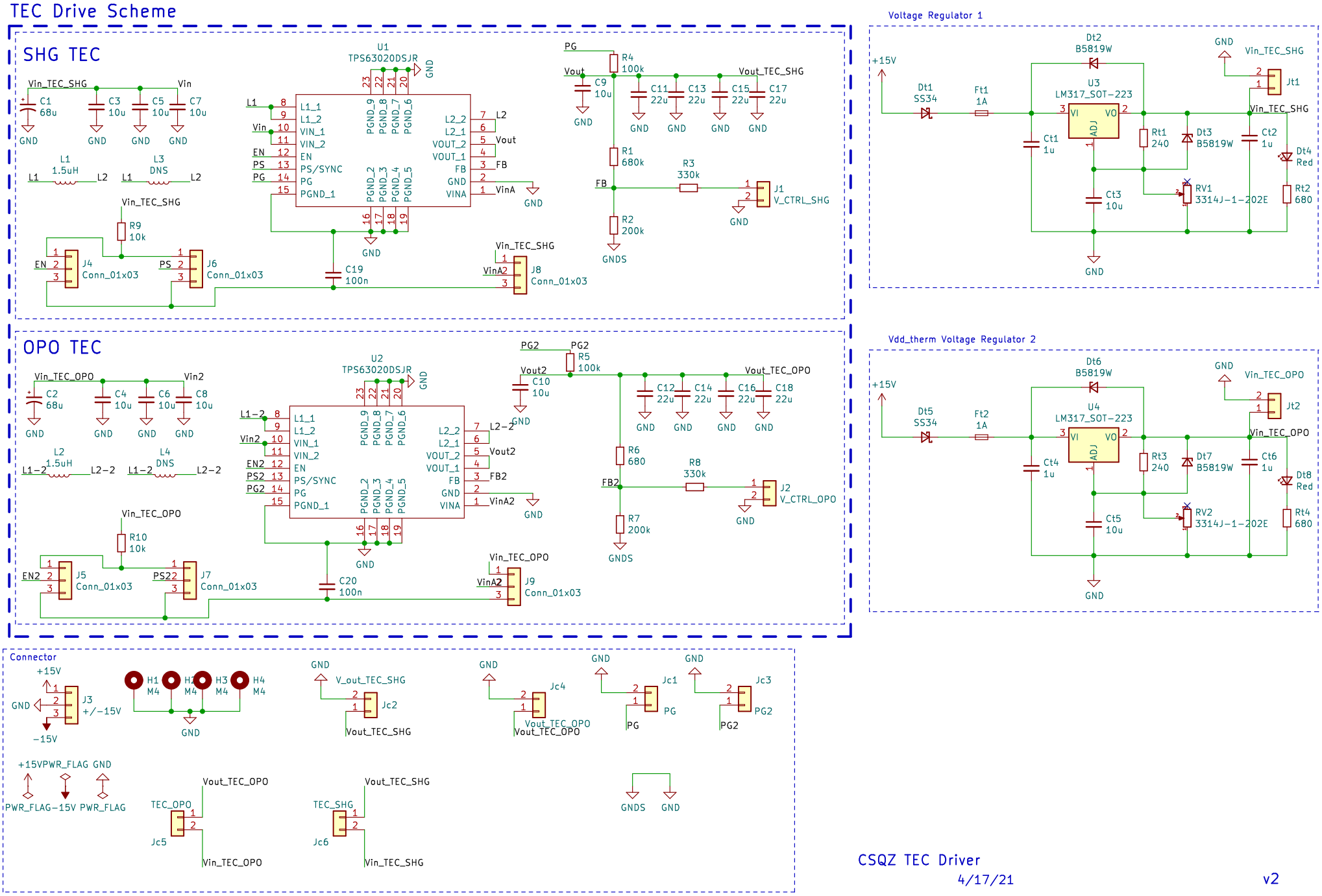

TEC Drive Scheme
SHG TEC
OPO TEC
Voltage Regulator 1
Vdd_therm Voltage Regulator 2
Connector
U1
TPS63020DSJR
U2
TPS63020DSJR
U3
LM317_SOT-223
U4
LM317_SOT-223
Dt2
B5819W
Dt6
B5819W
Vin_TEC_SHG
Vin_TEC_OPO
Vout_TEC_SHG
Vout_TEC_OPO
+15V
GND
GNDS
Dt1
SS34
Dt5
SS34
Ft1
1A
Ft2
1A
Jt1
Jt2
Dt3
B5819W
Dt7
B5819W
Dt4
Red
Dt8
Red
RV1
3314J-1-202E
RV2
3314J-1-202E
J1
V_CTRL_SHG
J2
V_CTRL_OPO
J3
+/-15V
J4
Conn_01x03
J5
Conn_01x03
J6
Conn_01x03
J7
Conn_01x03
J8
Conn_01x03
J9
Conn_01x03
Jc1
Jc2
Jc3
Jc4
Jc5
Jc6
V_out_TEC_SHG
TEC_OPO
TEC_SHG
PG
PG2
PWR_FLAG
+15VPWR_FLAG
-15V
H1 M4
H2 M4
H3 M4
H4 M4
CSQZ TEC Driver
4/17/21
v2