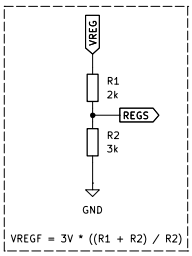
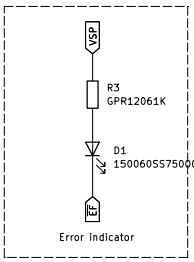
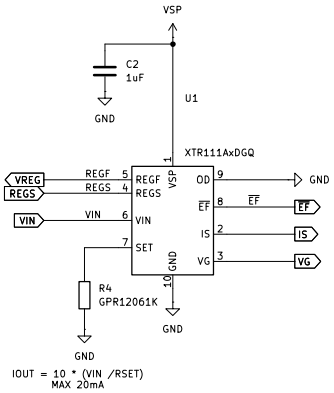
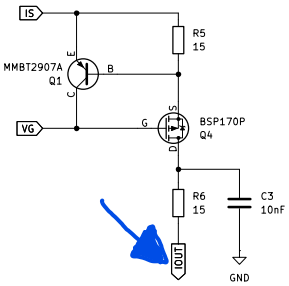
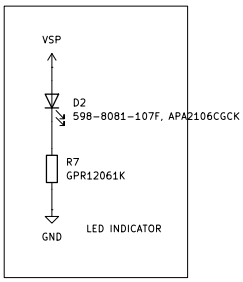

VSP
PWR_FLAG
PWR_FLAG
GND

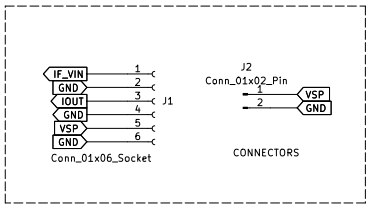

VREG
R1
2k
REGS
R2
3k
GND
VREGF = 3V * ((R1 + R2) / R2)

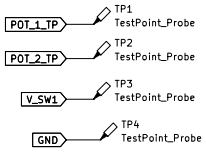

VSP
R3
GPR12061K
D1
150060SS75000
EF
Error Indicator

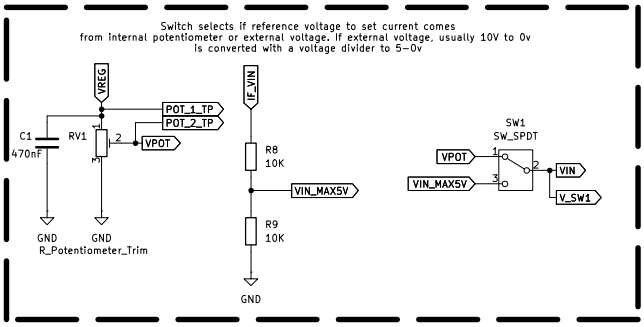

VSP
C2
1uF
GND
U1
XTR111AxDGQ
VREG
REGS
VIN
REGF
REGS
VIN
SET
VSP
GND
OD
EF
IS
VG
GND
EF
IS
VG
R4
GPR12061K
GND
GND
IOUT = 10 * (VIN /RSET)
MAX 20mA


IS
MMBT2907A
Q1
R5
15
VG
BSP170P
Q4
R6
15
C3
10nF
IOUT
GND


VSP
D2
598-8081-107F, APA2106CGCK
R7
GPR12061K
GND
LED INDICATOR


IF_VIN
GND
IOUT
GND
VSP
GND
1
2
3
4
5
6
J1
Conn_01x06_Socket
J2
Conn_01x02_Pin
1
2
VSP
GND
CONNECTORS


POT_1_TP
TP1
TestPoint_Probe
POT_2_TP
TP2
TestPoint_Probe
V_SW1
TP3
TestPoint_Probe
GND
TP4
TestPoint_Probe


Switch selects if reference voltage to set current comes
from internal potentiometer or external voltage. If external voltage, usually 10V to 0v
is converted with a voltage divider to 5-0v
VREG
C1
470nF
RV1
POT_1_TP
POT_2_TP
VPOT
GND
GND
R_Potentiometer_Trim
IF_VIN
R8
10K
VIN_MAX5V
R9
10K
GND
SW1
SW_SPDT
VPOT
VIN_MAX5V
VIN
V_SW1


H1
MountingHole
H2
MountingHole