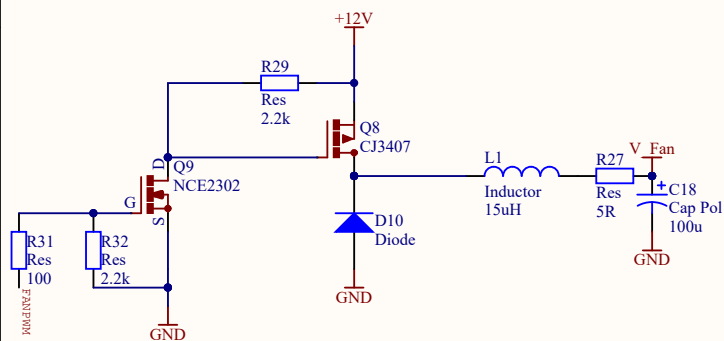
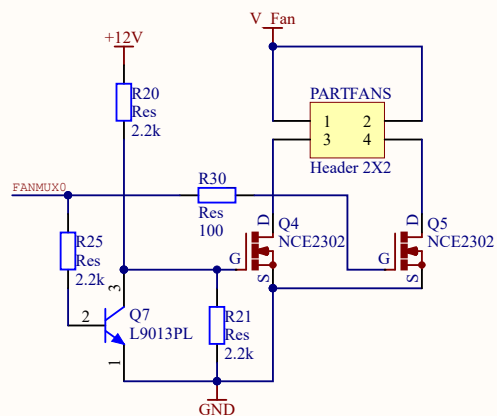
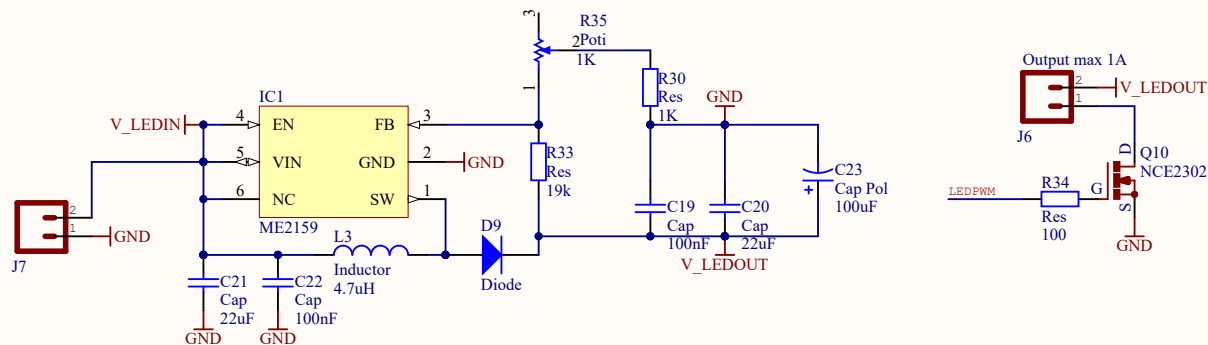


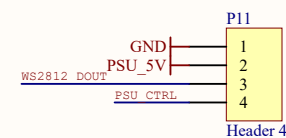
Fan Mux



PowerLED Driver



You can also use an SE3608, which is rated for 2A (instead of 1A)



Title		
Size	Number	Revision
A4		
Date:	06.07.2020	Sheet of
File:	E:\DATEN\...\FanMux.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
Header 4X2	Header, 4-Pin, Dual row	AUX-1, AUX-3, P7	HDR2X4	Header 4X2	3
Header 5X2	Header, 5-Pin, Dual row	AUX-2	HDR2X5	Header 5X2	1
Header 18	Header, 18-Pin	AUX-LCD	HDR1X18	Header 18	1
Cap Pol	Polarized Capacitor (Axial)	C1, C2, C3, C4, C5, C6, C16, C18, C23	SMD_Elko_6x6x8	Cap Pol	9
Cap	Capacitor	C7, C8, C9, C10, C11, C12, C13, C14, C15, C17, C19, C22	0805	Cap	12
Cap	Capacitor	C20, C21	1206	Cap	2
Diode	Diode	D1, D7, D8, D9, D10	Diode_5.5x2mm	Diode	5
Diode	Diode	D2	Diode_6x3.5mm	Diode	1
LED	SMD LED	D3, D4, D5, D6	0805_Led	LED	4
TMC2130BREAKOUT		E0, E1, E2, X, Y	TMC2130BREAKOUT	TMC2130BREAKOUT	5
Fuse 2	Fuse	F1, F2	PIN-W2/E2.8	Fuse 2	2
ME2159	1A Step-Up Current Mode PWM Converter	IC1	SOT23-6	ME2159	1
Tactile Switch	Tactile Switch	J1	Tactile-SW SMT	Tact_SW	1
Terminalblock X2		J2, J3, J4, J5, J6, J7	TerminalblockX2	Terminalblock X2	6
Inductor	Inductor	L1	5.2x4mm	Inductor	1
Inductor	Inductor	L3	6x6mm	Inductor	1
CAD_Logo		LOGO	CAD Logo	CAD_Logo	1
Header 4	Header, 4-Pin	P1, P2, P3, P4, P5, P8, P11, P13	HDR1X4	Header 4	8
Header 3X2	Header, 3-Pin, Dual row	P6, P9, P10	HDR2X3	Header 3X2	3
Header 6X2	Header, 6-Pin, Dual row	P12	HDR2X6	Header 6X2	1
Header 2X2	Header, 2-Pin, Dual row	PARTFANS	HDR2X2	Header 2X2	1
Header 6	Header, 6-Pin	P_Therm	HDR1X6	Header 6	1
NCE3080	NCE N-Channel Enhancement Mode Power MOSFET	Q1, Q2, Q3	NCE3080	NCE3080	3
NCE2302	SOT-23 NMOS, Vgs_th = 0.85V, Id_max = 4A, Vds_max = 20V	Q4, Q5, Q9, Q10	NCE2302	NCE2302	4
L9013PL	NPN General Purpose Transistor	Q7	SOT23_BCE	L9013PL	1
CJ3407	NCE N-Channel Enhancement Mode Power MOSFET	Q8	NCE3407	NCE3407	1
Res	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R28, R29, R30, R30_, R31, R32, R33, R34	0805	Res	34
Res	Resistor	R27	1206	Res	1
Poti	Square Trimming Potentiometer	R35	Poti_SMD	Poti	1
ARDUINO_MEGA_SHIELD		U1	REPRAPJR_ARDUINO_MEGA_SHIELD	ARDUINO_MEGA_SHIELD	1
282837-6		U\$1	REPRAPJR_282837-6	282837-6	1
Header 3	Header, 3-Pin	X+, X-, Y+, Y-, Z+, Z-	HDR1X3	Header 3	6
MSTBA4	PHOENIX	X1	CON-PHOENIX-508_MSTBA4	MSTBA4	1
A4988BREAKOUT		Z	REPRAPJR_A4988BREAKOUT	A4988BREAKOUT	1