J1 — RJ11
1	GND
2	CANL
3	CANH
4	PT4
5	PT5
6	Vcc

CAN0L
CAN0H
PT4
PT5

GND
+5

J2 — RJ11
1	GND
2	CANL
3	CANH
4	PT4
5	PT5
6	Vcc

U2 — 1x3_M — P1
3V3
Digital Isolator BackLights
1	VDD1	VDD1	8
2	IN	VnOE	7
3	NC	OUT	6
4	GND1	GND2	5

GND

CAN0H
CAN0L

U1 — SN65GVD231d
CAN0TX
CAN0RX
1	TXD	CANH	7
4	RXD	CANL	6
8	RS	Vref	5
3	Vcc	GND	2

CAN-term — Header3
| 1 |
| 2 |
| 3 |
120
R1

R3 22k
3V3
C1 100n
GND

U3 — teensy_3.6
GND
GND
CAN0TX
CAN0RX
3V3
Digital Isolator BackLights

USB
Vin
AGND
+3V3

GND1
MOSI1
MISO1
PWM
CAN0TX
CAN0RX
CS0
CS0
SCL0
SDA0
CS0
CS0
MOSI0
MISO0
+3V3
GND2
DAC1
DAC0
SDA1
SCL1
SCK0
MOSI0
SD
CS1
SCK1
CAN1TX
CAN1RX

GND
A22
A21
GND

+5
GND
3V3

Title
Size A4
Number
Revision
Date: 9.29.2020
File: C:\Users\..\BackPCB.SchDoc
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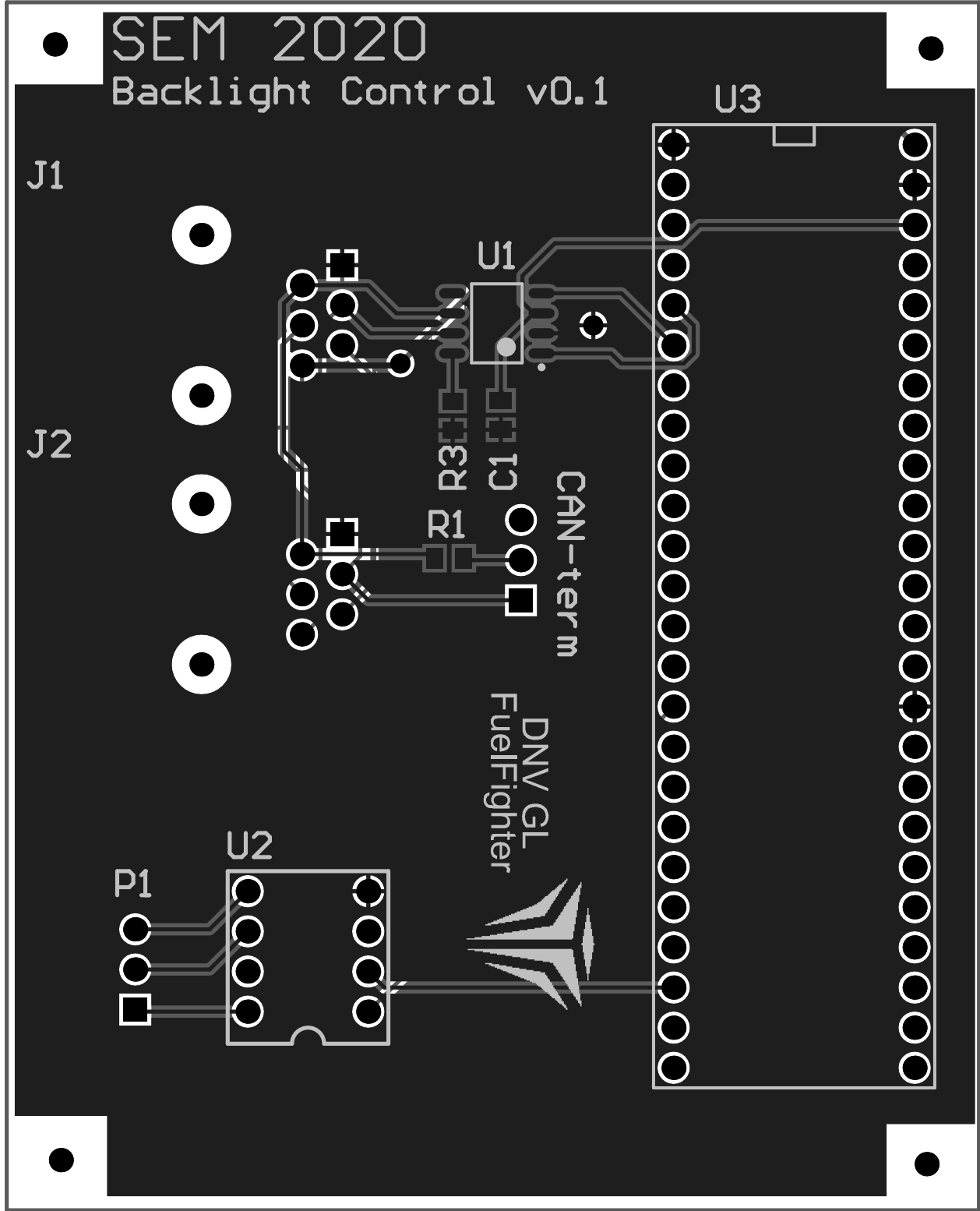
SEM 2020
Backlight Control v0.1

U3

J1

U1

J2

R3

C1

R1

CAN-term

DNV GL
FuelFighter

U2

P1

Comment	Description	Designator	Footprint	LibRef	Quantity
SMD		C1	C_SMD_0805_pcb	C_SMD_0805	1
Header3		CAN-term	PIN_HEADER_M_1x3	PIN_HEADER_M_1x3	1
RJ11		J1, J2	RJ11_Connector	RJ11_Connector	2
1x3_M		P1	PIN_HEADER_M_1x3	PIN_HEADER_M_1x3	1
SMD		R1, R3	R_SMD_0805_pcb	R_SMD_0805	2
SN65GVD231d		U1	SN65HVD231D_SMD	SN65HVD231D_SMD	1
IL_710-2E_DIGITAL_ISOLATOR	Digital Isolator 3-5V input/output.	U2	IL_710-2E_DIP8	IL_710-2E_DIGITAL_ISOLATOR	1
teensy_3.6		U3	teensy_3.6	teensy_3.6	1