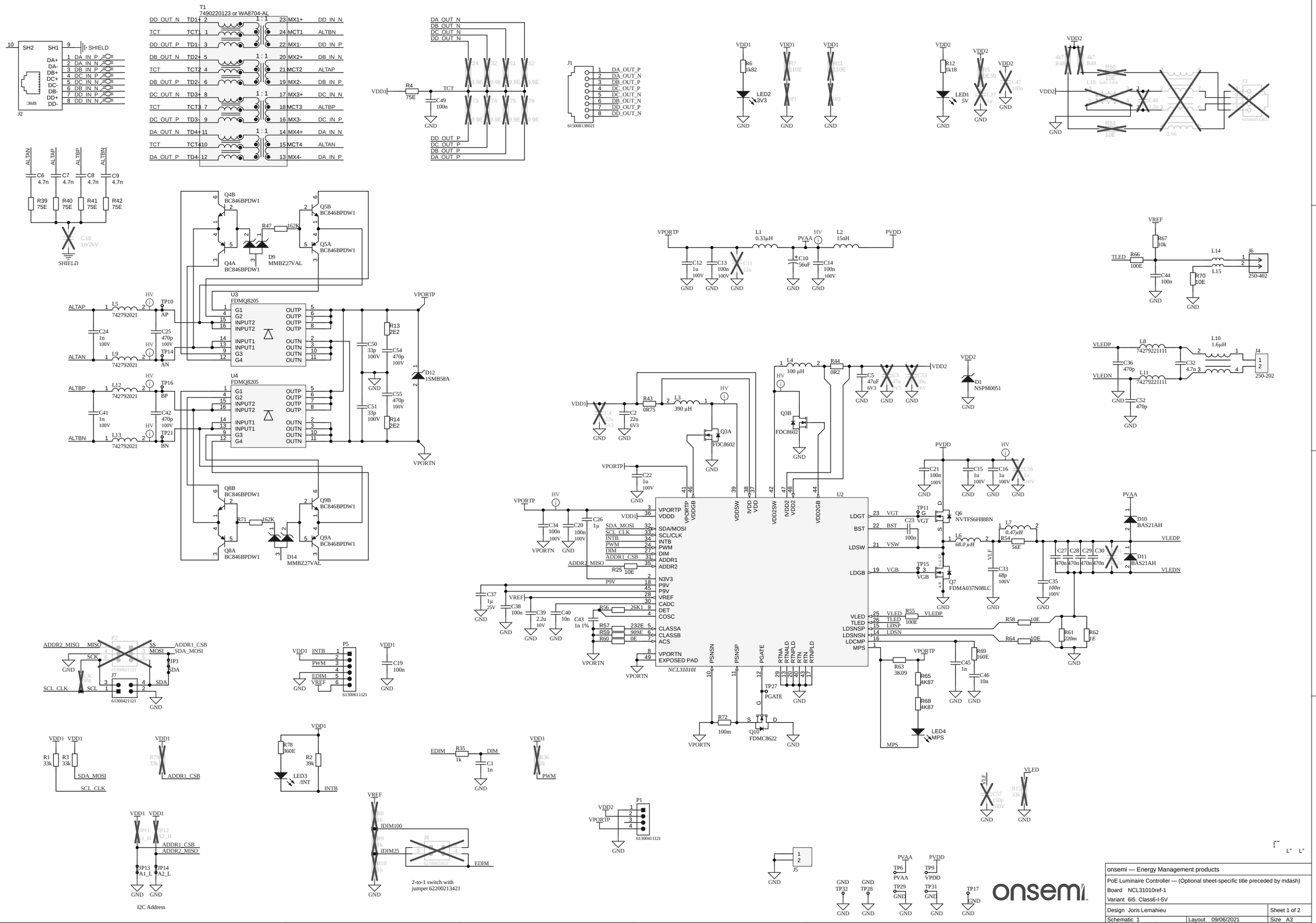
T1
7490220123 or WA8704-AL
J2
SHIELD
DD_OUT_N
DD_OUT_P
DB_OUT_N
DB_OUT_P
DC_OUT_N
DC_OUT_P
DA_OUT_N
DA_OUT_P
DD_IN_N
DD_IN_P
DB_IN_N
DB_IN_P
DC_IN_N
DC_IN_P
DA_IN_N
DA_IN_P
ALTBN
ALTBP
ALTAP
ALTAN
TCT
J1
615008138021
VDD1
VDD2
LED2
LED1
VREF
TLED
VPORTP
VPORTN
PVDD
PVAA
VLEDP
VLEDN
VLED
MPS
U2
NCL31010I
U3
FDMQ8205
U4
FDMQ8205
Q8B
BC846BPDW1
Q5B
BC846BPDW1
Q4A
BC846BPDW1
Q5A
BC846BPDW1
D9
MMBZ27VAL
D14
MMBZ27VAL
D12
1SMB58A
D10
BAS21AH
D11
BAS21AH
Q6
NVTFS6H888N
Q7
FDMA037N08LC
Q3A
FDC8602
Q3B
FDC8602
Q9B
BC846BPDW1
Q9A
BC846BPDW1
Q8B
BC846BPDW1
Q8A
BC846BPDW1
Q10
FDMC8622
D1
NSPM0051
LED4
MPS
LED3
/INT
P5
P2
P1
J7
J8
J4
J6
J3
J5
250-402
250-202
I2C Address
2-to-1 switch with
jumper 62200213421
onsemi — Energy Management products
PoE Luminaire Controller — (Optional sheet-specific title preceded by mdash)
Board NCL31010ref-1
Variant 6i5: Class6-I-5V
Design Joris Lemahieu
Sheet 1 of 2
Schematic 1
Layout 09/06/2021
Size A3