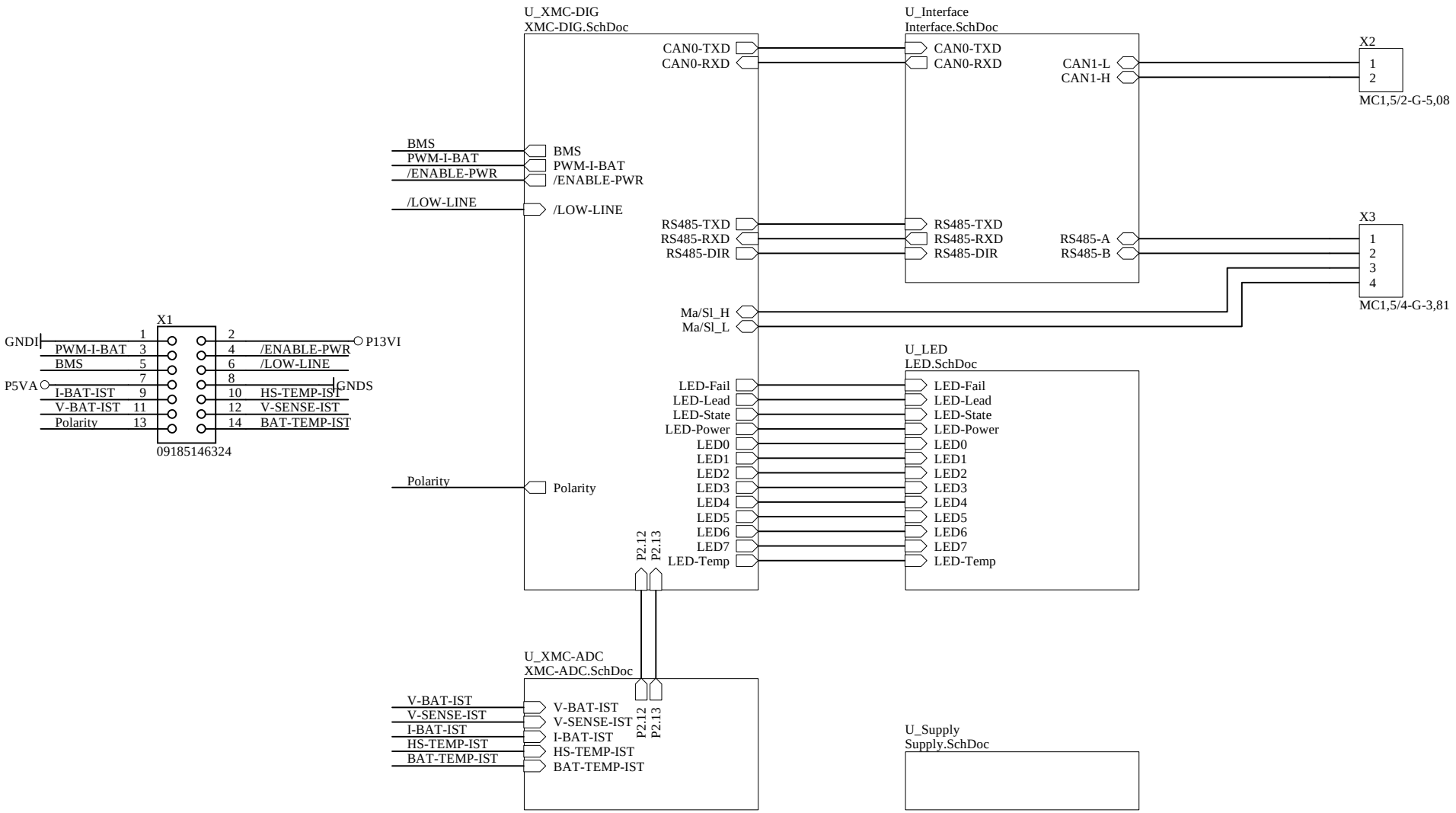
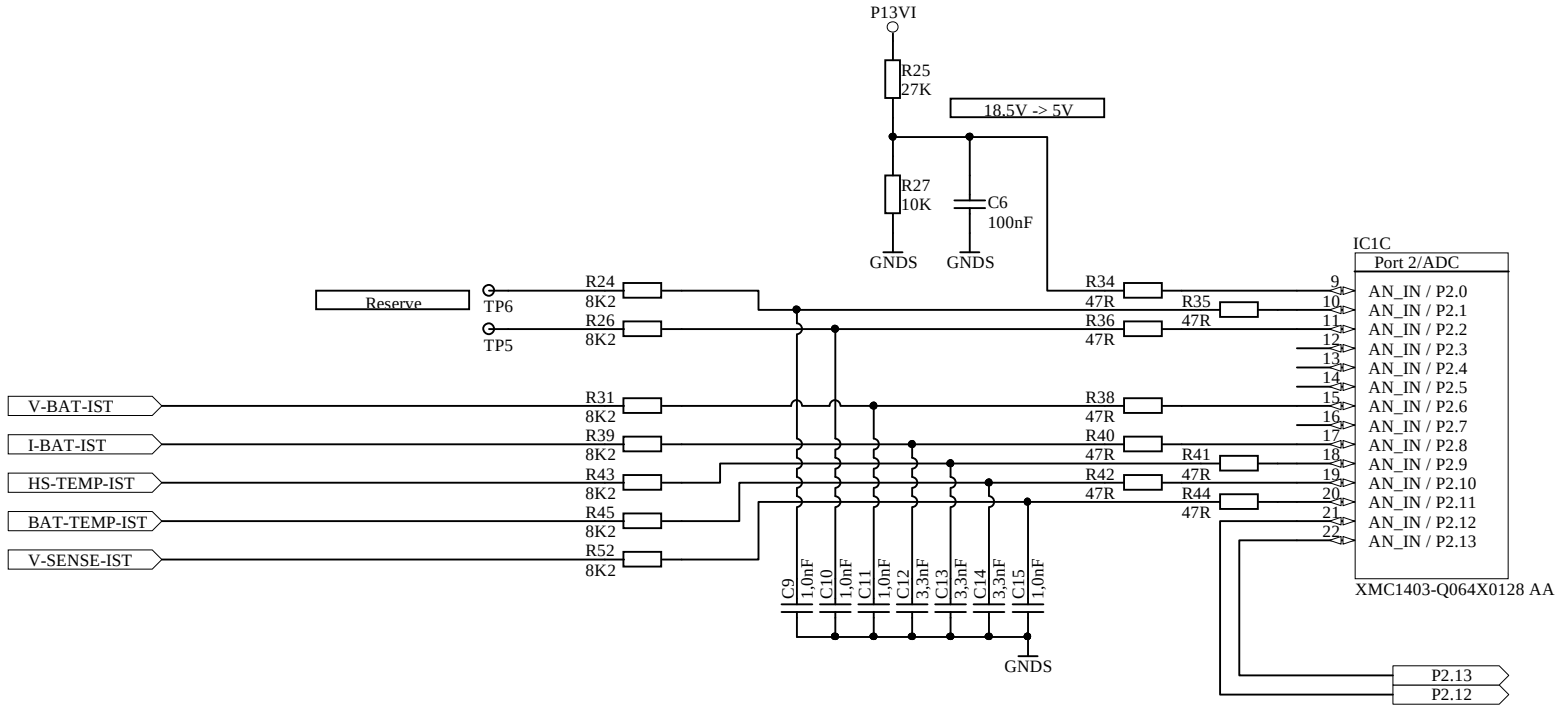


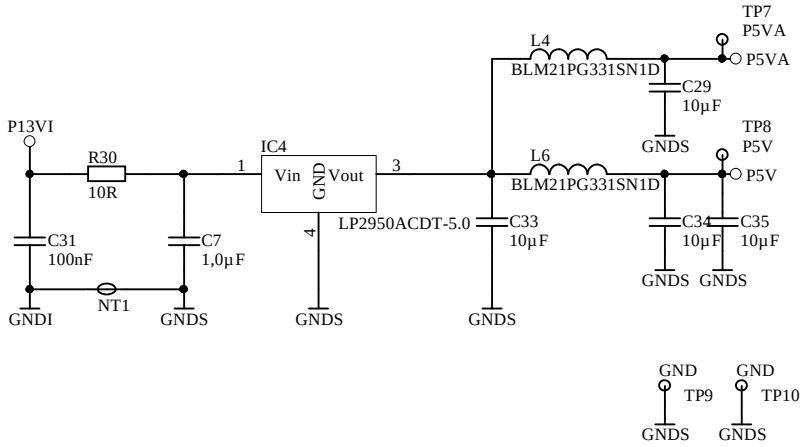
Projekt: ***5808-CNT***	Revision: L10S09	ISLE GmbH
Title: *	Variante: [No Variations]	Werner-von-Siemens-Str.16
Drawn By:	SVN Nr.: 14 [Locally Modified]	98693 Ilmenau
Checked By: *	Size: A4	Germany
Date: 09.11.2018 Time: 16:38:50	Sheet 1 of 6	
File: D:\!Projekte\Infineon\5808-BatteryCharger\05_PCB\5808-CNT\Topsheet.SchDoc		

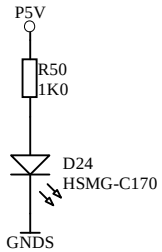
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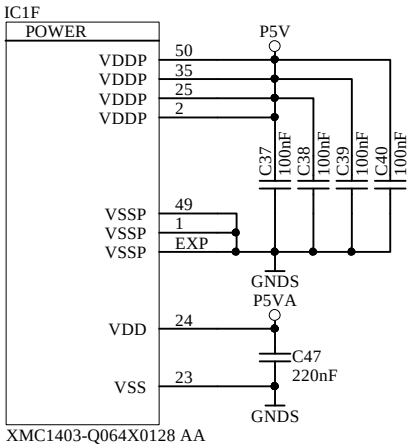


Projekt: ***5808-CNT***	Revision: L10S09	ISLE GmbH
Title: *	Variante: [No Variations]	Werner-von-Siemens-Str.16
Drawn By:	SVN Nr.: 14 [Locally Modified]	98693 Ilmenau
Checked By: *	Size: A4	Germany
Date: 09.11.2018 Time: 16:38:50	Sheet 2 of 6	
File: D:\!Projekte\Infineon\5808-BatteryCharger\05_PCB\5808-CNT\XMC-ADC.SchDoc		

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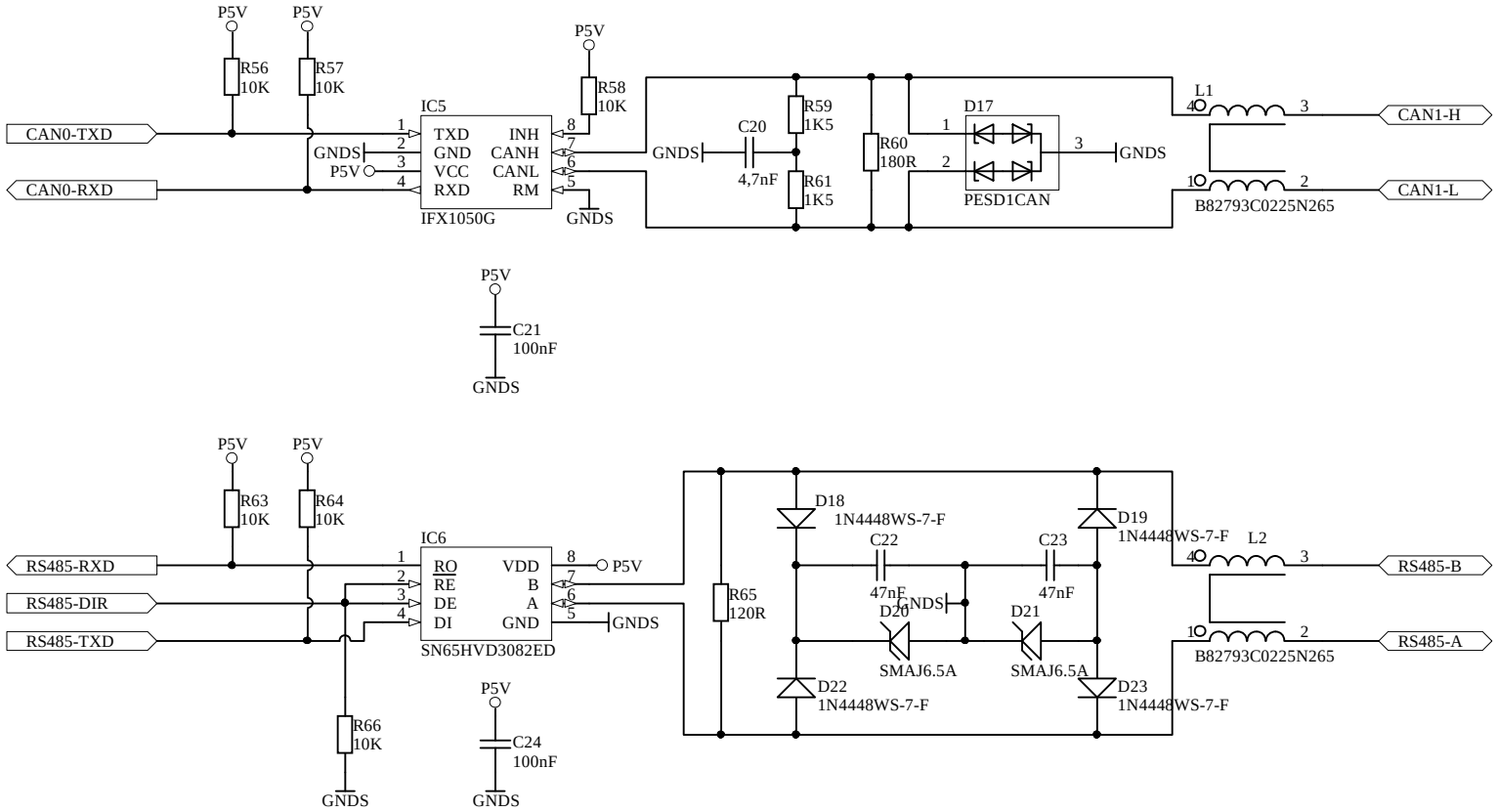






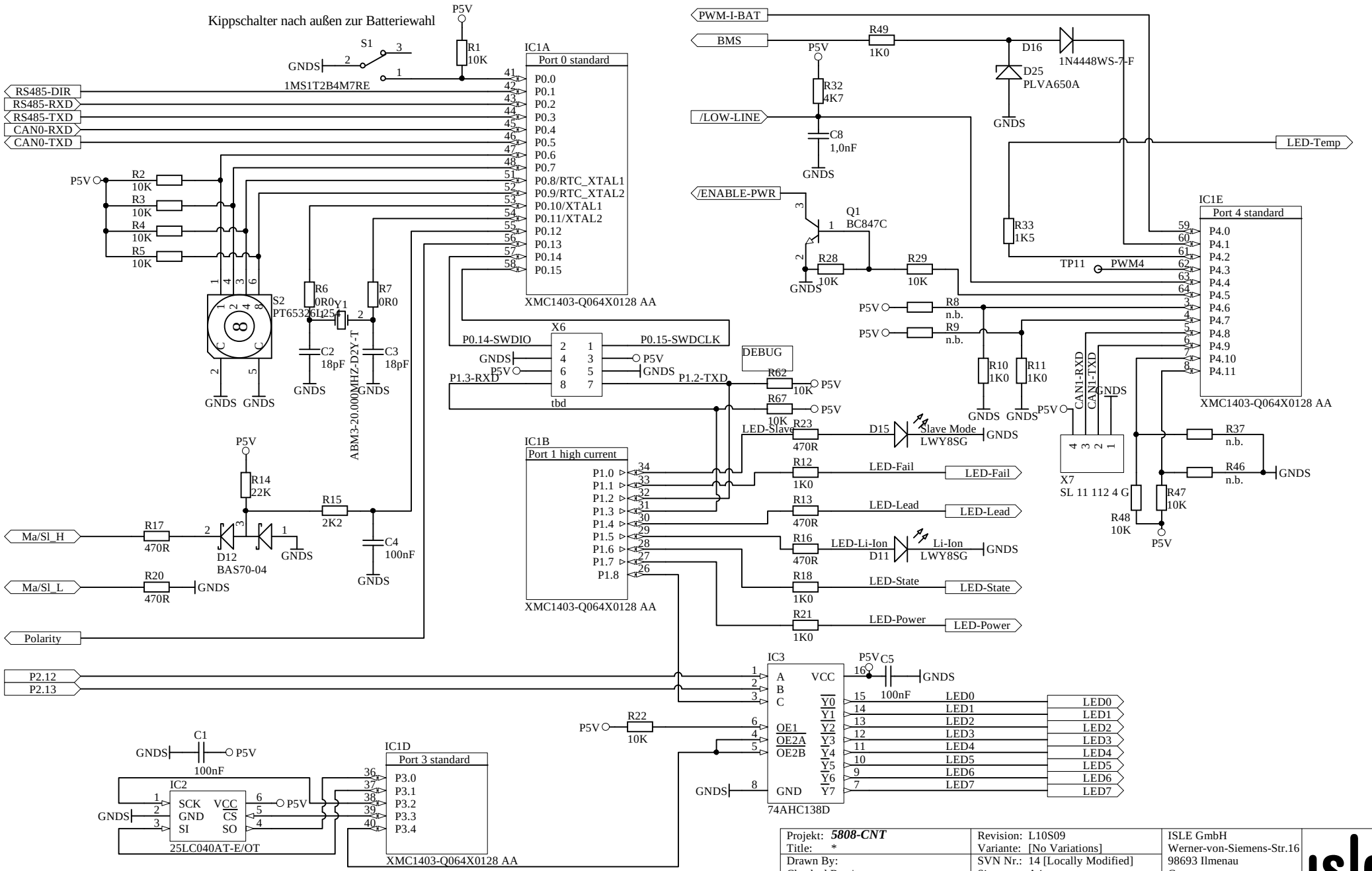
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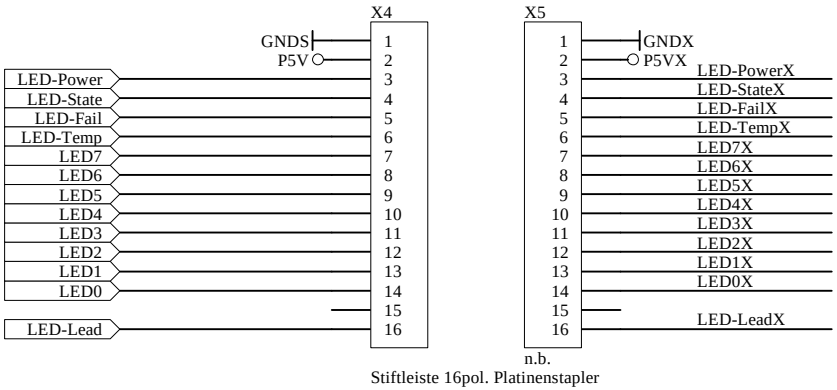
Projekt: ***5808-CNT***	Revision: L10S09	ISLE GmbH
Title: *	Variante: [No Variations]	Werner-von-Siemens-Str.16
Drawn By:	SVN Nr.: 14 [Locally Modified]	98693 Ilmenau
Checked By: *	Size: A4	Germany
Date: 09.11.2018 Time: 16:38:50	Sheet 3 of 6	
File: D:\!Projekte\Infineon\5808-BatteryCharger\05_PCB\5808-CNT\Supply.SchDoc		



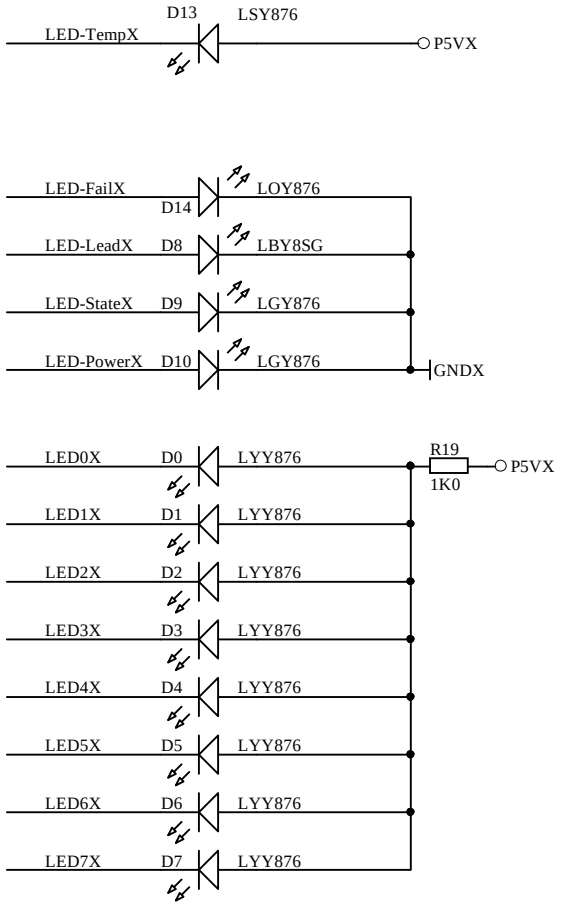
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Projekt: ***5808-CNT***	Revision: L10S09	ISLE GmbH
Title: *	Variante: [No Variations]	Werner-von-Siemens-Str.16
Drawn By:	SVN Nr.: 14 [Locally Modified]	98693 Ilmenau
Checked By: *	Size: A4	Germany
Date: 09.11.2018 Time: 16:38:50	Sheet 4 of 6	
File: D:\!Projekte\Infineon\5808-BatteryCharger\05_PCB\5808-CNT\Interface.SchDoc		


Kippschalter nach außen zur Batteriewahl
S1
1MS1T2B4M7RE
P5V
R1
10K
GNDS
IC1A
Port 0 standard
P0.0
P0.1
P0.2
P0.3
P0.4
P0.5
P0.6
P0.7
P0.8/RTC_XTAL1
P0.9/RTC_XTAL2
P0.10/XTAL1
P0.11/XTAL2
P0.12
P0.13
P0.14
P0.15
XMC1403-Q064X0128 AA
RS485-DIR
RS485-RXD
RS485-TXD
CAN0-RXD
CAN0-TXD
R2
R3
R4
R5
10K
S2
PT65326L12S4
R6
0R0
R7
0R0
Y1
ABM3-20.000MHZ-D2Y-T
C2
18pF
C3
18pF
X6
P0.14-SWDIO
P0.15-SWDCLK
P1.3-RXD
P1.2-TXD
tbd
DEBUG
R62
R67
10K
R14
22K
R15
2K2
C4
100nF
Ma/Sl_H
Ma/Sl_L
R17
R20
470R
D12
BAS70-04
Polarity
IC1B
Port 1 high current
P1.0
P1.1
P1.2
P1.3
P1.4
P1.5
P1.6
P1.7
P1.8
XMC1403-Q064X0128 AA
R12
R13
R16
R18
R21
1K0
LED-Fail
LED-Lead
LED-Li-Ion
LED-State
LED-Power
LED-Slave
R23
470R
D15
LWY8SG
Slave Mode
Li-Ion
D11
P2.12
P2.13
IC3
74AHC138D
A
B
C
OE1
OE2A
OE2B
VCC
GND
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
C5
100nF
R22
10K
LED0
LED1
LED2
LED3
LED4
LED5
LED6
LED7
C1
100nF
IC2
25LC040AT-E/OT
SCK
SI
SO
CS
IC1D
Port 3 standard
P3.0
P3.1
P3.2
P3.3
P3.4
XMC1403-Q064X0128 AA
PWM-I-BAT
BMS
R49
1K0
D16
1N4448WS-7-F
D25
PLVA650A
R32
4K7
/LOW-LINE
C8
1,0nF
LED-Temp
/ENABLE-PWR
Q1
BC847C
R28
R29
10K
R33
1K5
TP11
PWM4
IC1E
Port 4 standard
P4.0
P4.1
P4.2
P4.3
P4.4
P4.5
P4.6
P4.7
P4.8
P4.9
P4.10
P4.11
XMC1403-Q064X0128 AA
R8
R9
n.b.
R10
R11
1K0
CAN1-RXD
CAN1-TXD
X7
SL 11 112 4 G
R37
R46
R47
10K
R48
10K
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Projekt: 5808-CNT
Title: *
Drawn By:
Checked By: *
Date: 09.11.2018 Time: 16:38:51
Revision: L10S09
Variante: [No Variations]
SVN Nr.: 14 [Locally Modified]
Size: A4
Sheet 5 of 6
File: D:\!Projekte\Infineon\5808-BatteryCharger\05_PCB\5808-CNT\XMC-DIG.SchDoc
ISLE GmbH
Werner-von-Siemens-Str.16
98693 Ilmenau
Germany



Stiftleiste 16pol. Platinenstapler



Projekt: ***5808-CNT***	Revision: L10S09	ISLE GmbH
Title: *	Variante: [No Variations]	Werner-von-Siemens-Str.16
Drawn By:	SVN Nr.: 14	98693 Ilmenau
Checked By: *	Size: A4	Germany
Date: 09.11.2018 Time: 16:38:51	Sheet 6 of 6	
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