

Power									
A	Switch Regulator Module				Power Supply				08
B	5V Switchregulator A				3V3 Linear				07
C	5V Switchregulator B				History				06
					<p>2016-04-24: V1.00 kw copied from ST4 and OneWS</p> <p>2016-04-28: V1.00 kw added 5V Measure</p> <p>2016-04-28: V1.01 kw moved WS2811 connector 1mm, moved ISP 0.5mm</p> <p>2016-11-05: V1.02 kw added vias for THT fuse, better jumper position</p>				
D	Switch Regulator Module				GER-NR.:				05
					<p>ENTWICKLER: Wolfgang Kurer</p> <p>DATEiname: NeoControl1_V1.02</p> <p>ZEICHNER: www.opendoc.de</p> <p>AUFTR-NR.:</p> <p>zu GERAT.:</p>				
E	5V Switchregulator B				Blatt:				04
					<p>1/4</p>				
F									03
G									02
H									01

**5V Switchregulator A**

Alternative 7805

LM7805, not fitted

Var1:  $R_b = R_a / (V_{out0.798} - 1)$   
5V:  $R_a = 150k, R_b = 28k5$

Var2:  $R_b = R_a / (V_{out0.798} - 1)$   
5V:  $R_a = 102k2, R_b = 19k5$

$R_b = 33k || 220k$

**5V Switchregulator B**

Alternative 7805

LM7805, not fitted

Var1:  $R_b = R_a / (V_{out0.798} - 1)$   
5V:  $R_a = 150k, R_b = 28k5$

Var2:  $R_b = R_a / (V_{out0.798} - 1)$   
5V:  $R_a = 102k2, R_b = 19k5$

$R_b = 33k || 220k$

**3V3 Linear**

LM3480

PMEG2010

IC9

LM3480

**5V Switchregulator A**

Alternative 7805

LM7805, not fitted

Var1:  $R_b = R_a / (V_{out0.798} - 1)$   
5V:  $R_a = 150k, R_b = 28k5$

Var2:  $R_b = R_a / (V_{out0.798} - 1)$   
5V:  $R_a = 102k2, R_b = 19k5$

$R_b = 33k || 220k$

**5V Switchregulator B**

Alternative 7805

LM7805, not fitted

Var1:  $R_b = R_a / (V_{out0.798} - 1)$   
5V:  $R_a = 150k, R_b = 28k5$

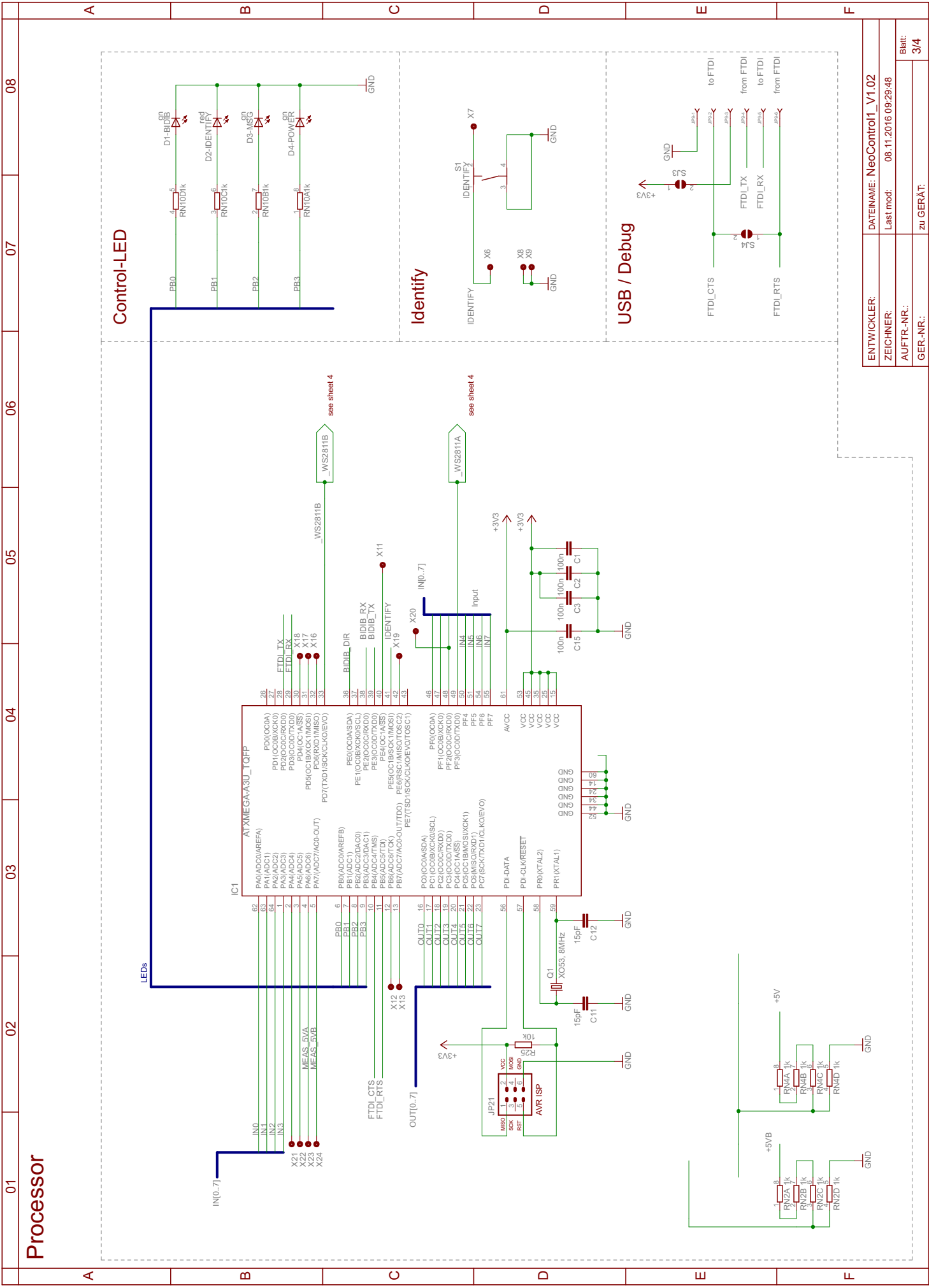
Var2:  $R_b = R_a / (V_{out0.798} - 1)$   
5V:  $R_a = 102k2, R_b = 19k5$

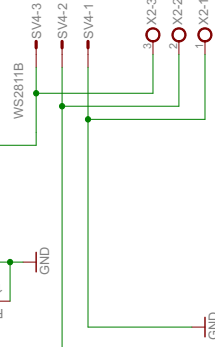
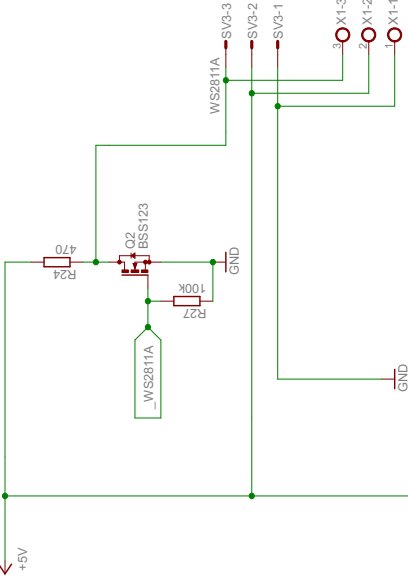
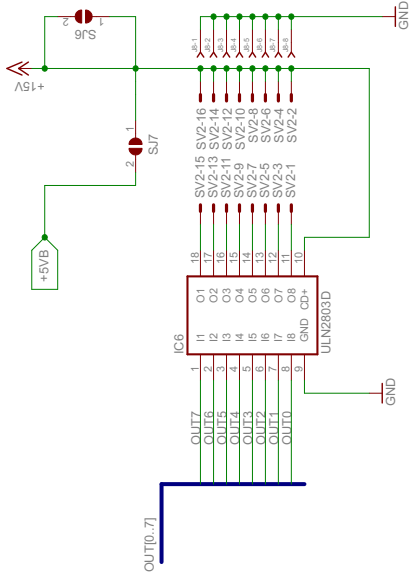
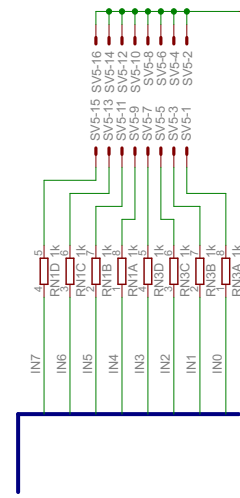
$R_b = 33k || 220k$

[illegible]

H1	MOUNT-PAD-ROUND-32	ENTWICKLER: Wolfgang Kufner ZEICHNER: www.opendoc.de Last mod: 08.11.2016 09:29:48 Blatt: 1/4
H2	MOUNT-PAD-ROUND-32	
H3	MOUNT-PAD-ROUND-32	
H4	MOUNT-PAD-ROUND-32	





[illegible]

ENTWICKLER:	DATEINAME: NeoControl1_V1.02	
ZEICHNER:	Last mod: 08.11.2016 09:29:48	
AUFTR.-NR.:	Blatt:	
GER.-NR.:	zu GERÄT:	4/4

# NeoControl1

V1.02, 05.11.2016

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Taster

