

Title **USV RS485 Slave: Conector RS485**

Size: A4 Number: 3 Revision: 2150

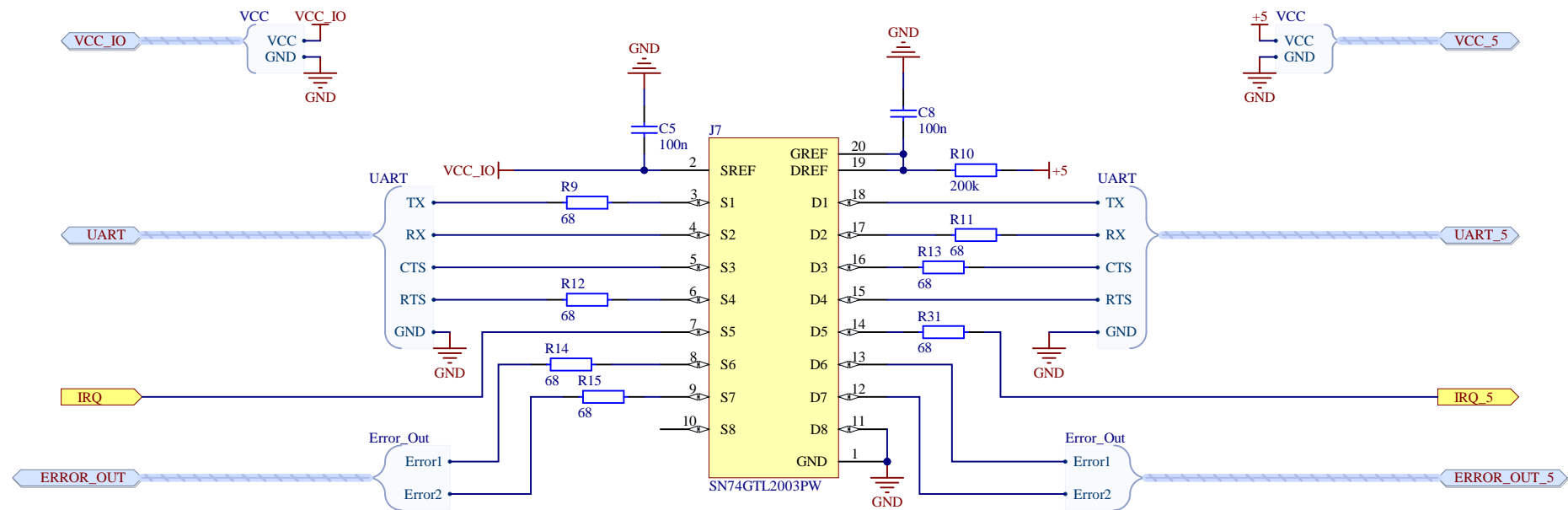
Date: 23.09.2020 Time: 15:00:59 Sheet 3 of 8

File: D:\FG_Mechatronik\01_Mitarbeiter\02_Franke\Altium\USV_RS485_Slave\USV_RS485_Slave_Conector_RS485.SchDoc

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Title **USV RS485 Slave: Level Translator**

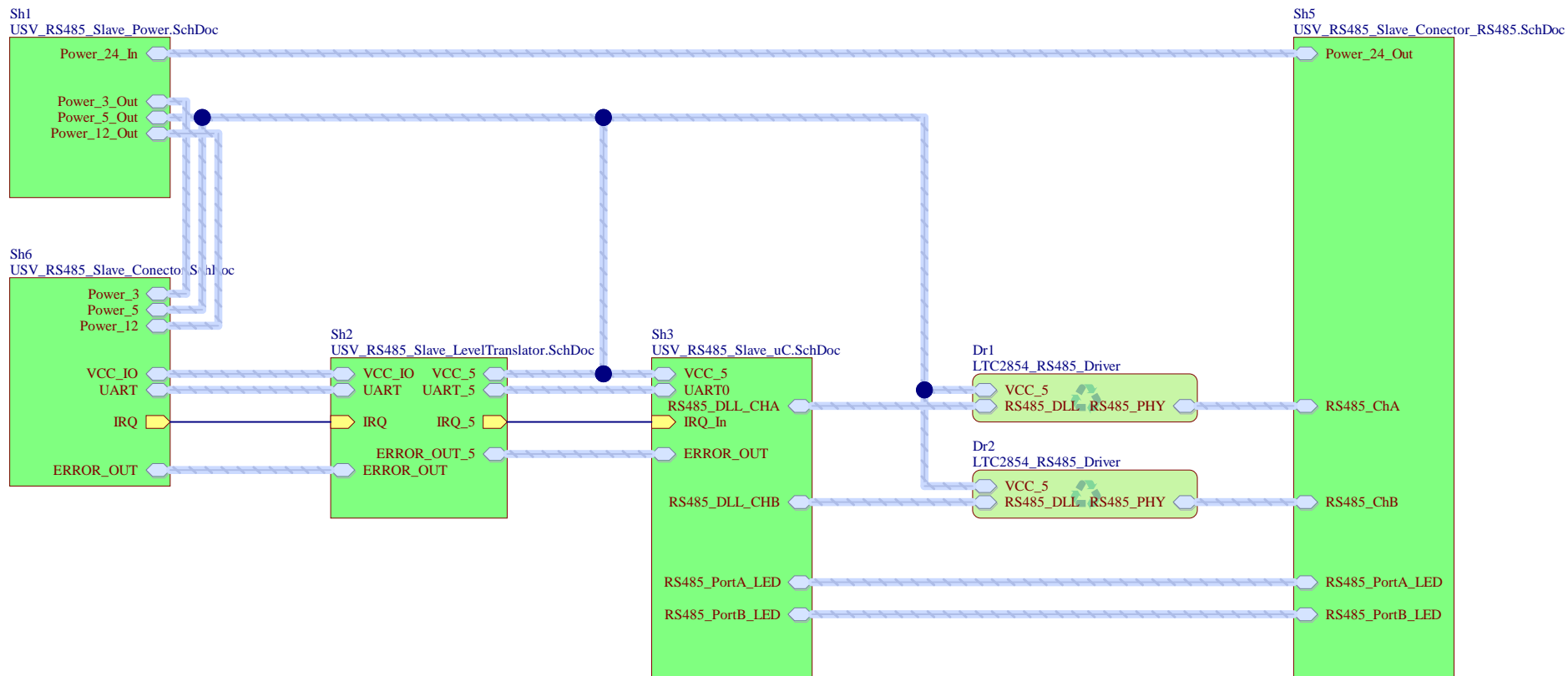
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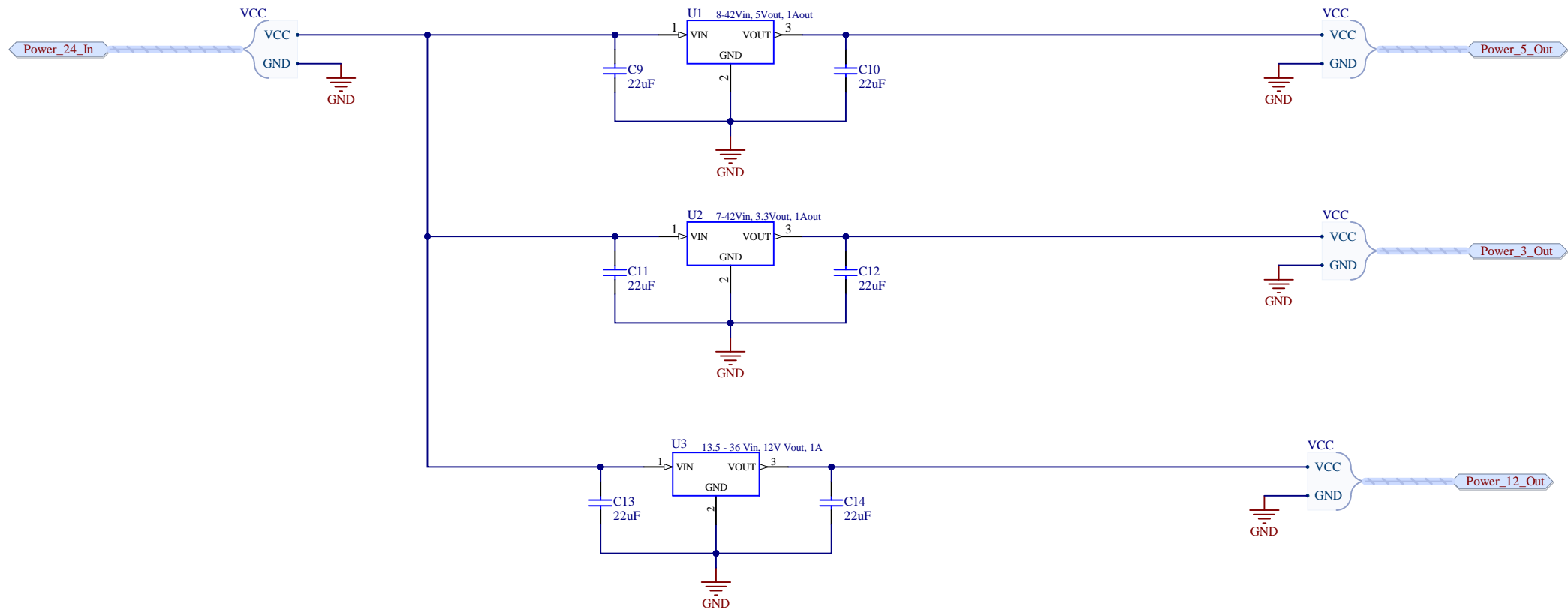
Date: 29.07.2020 Time: 15:00:59 Sheet 5 of 8

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Title **USV RS485 Slave: Power**

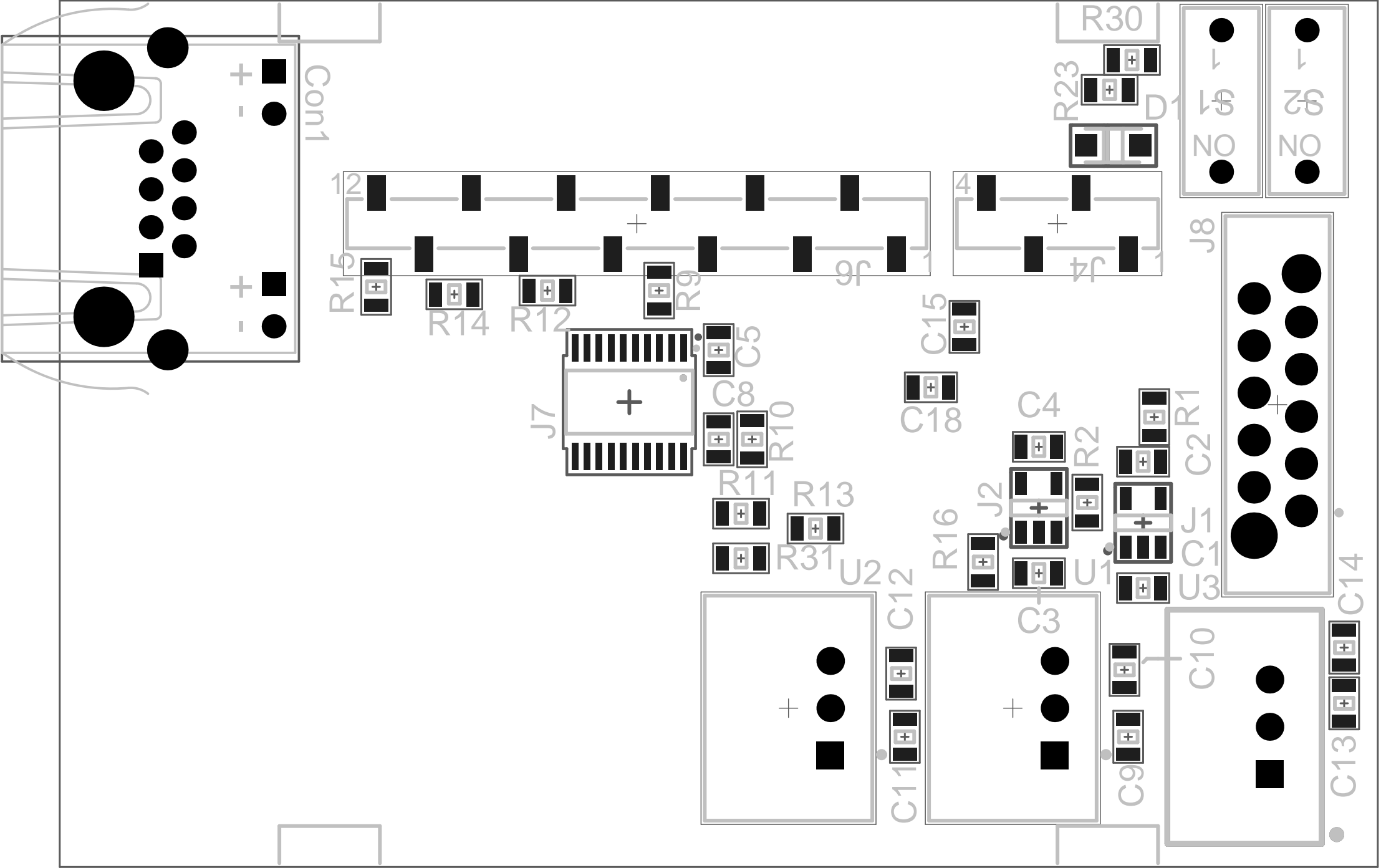
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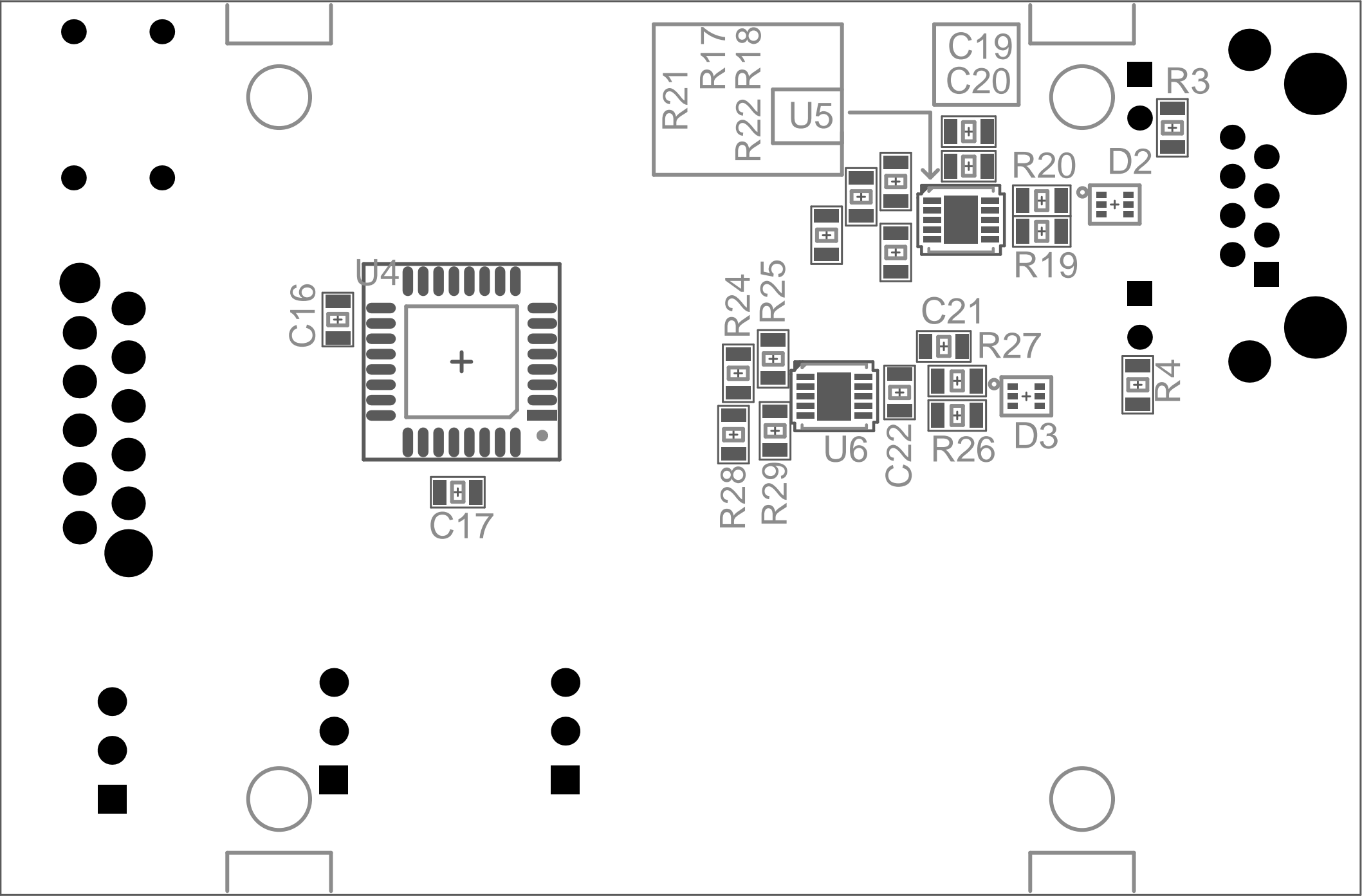
Date: 28.07.2020 Time: 15:01:00 Sheet 2 of 8

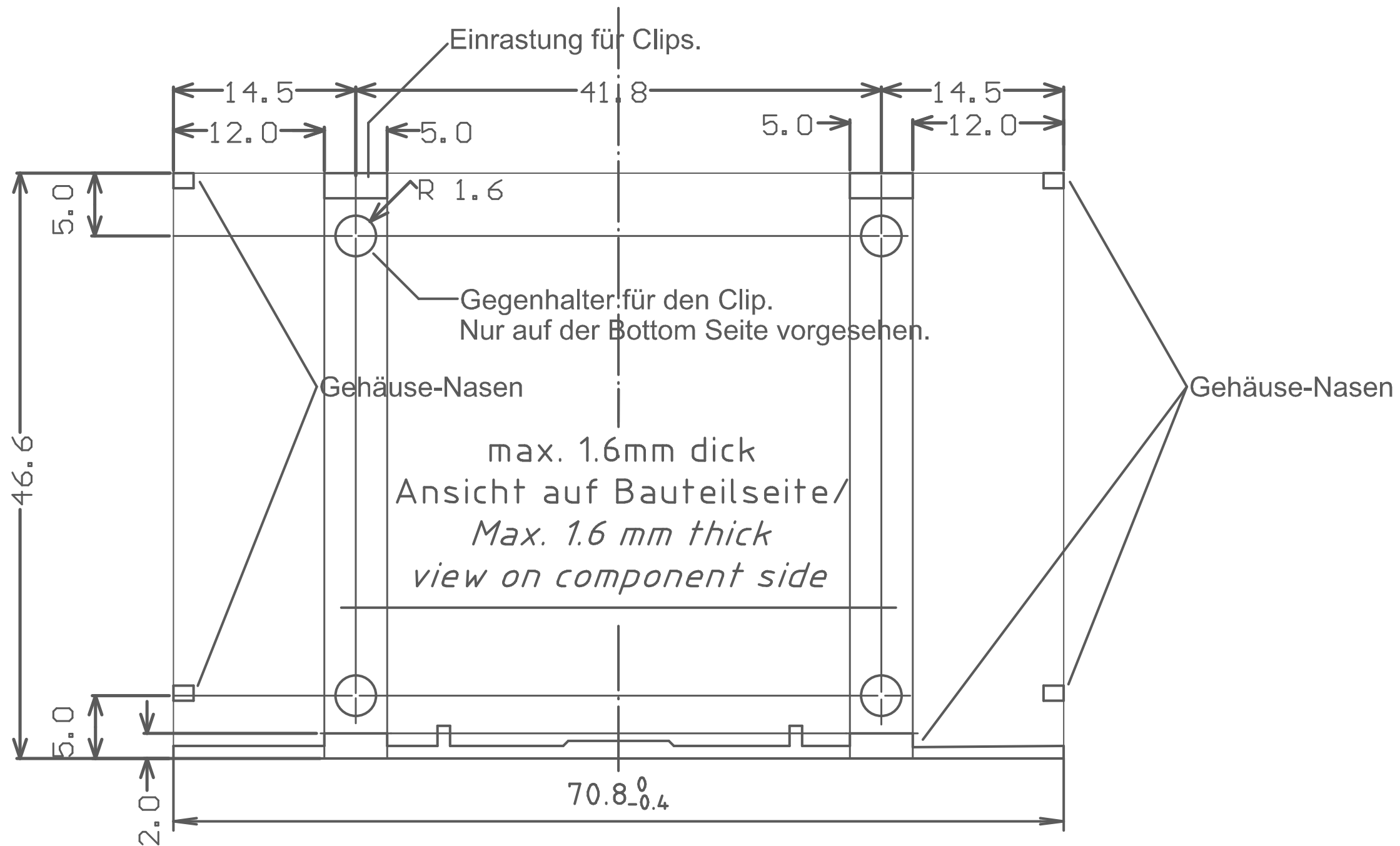
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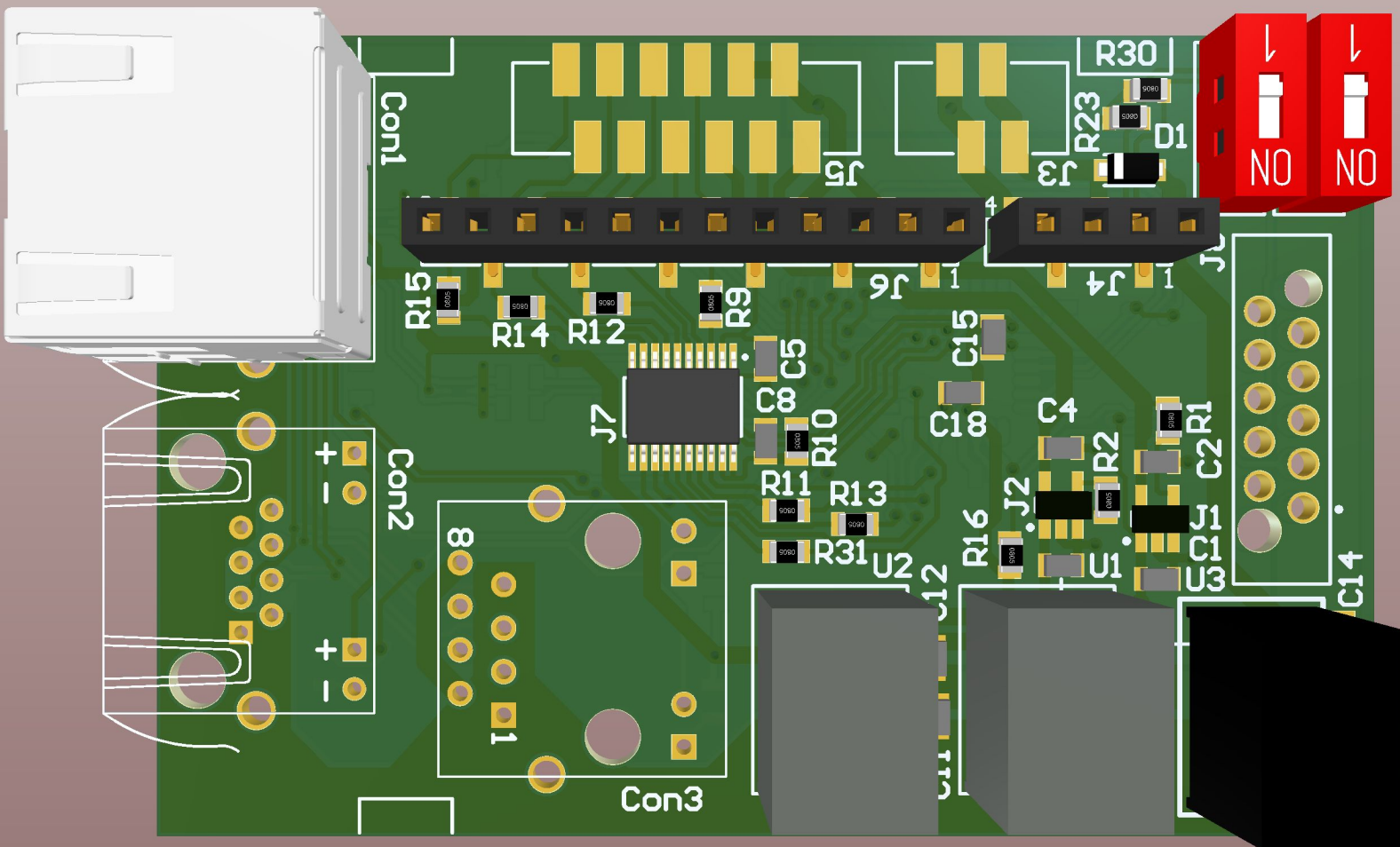
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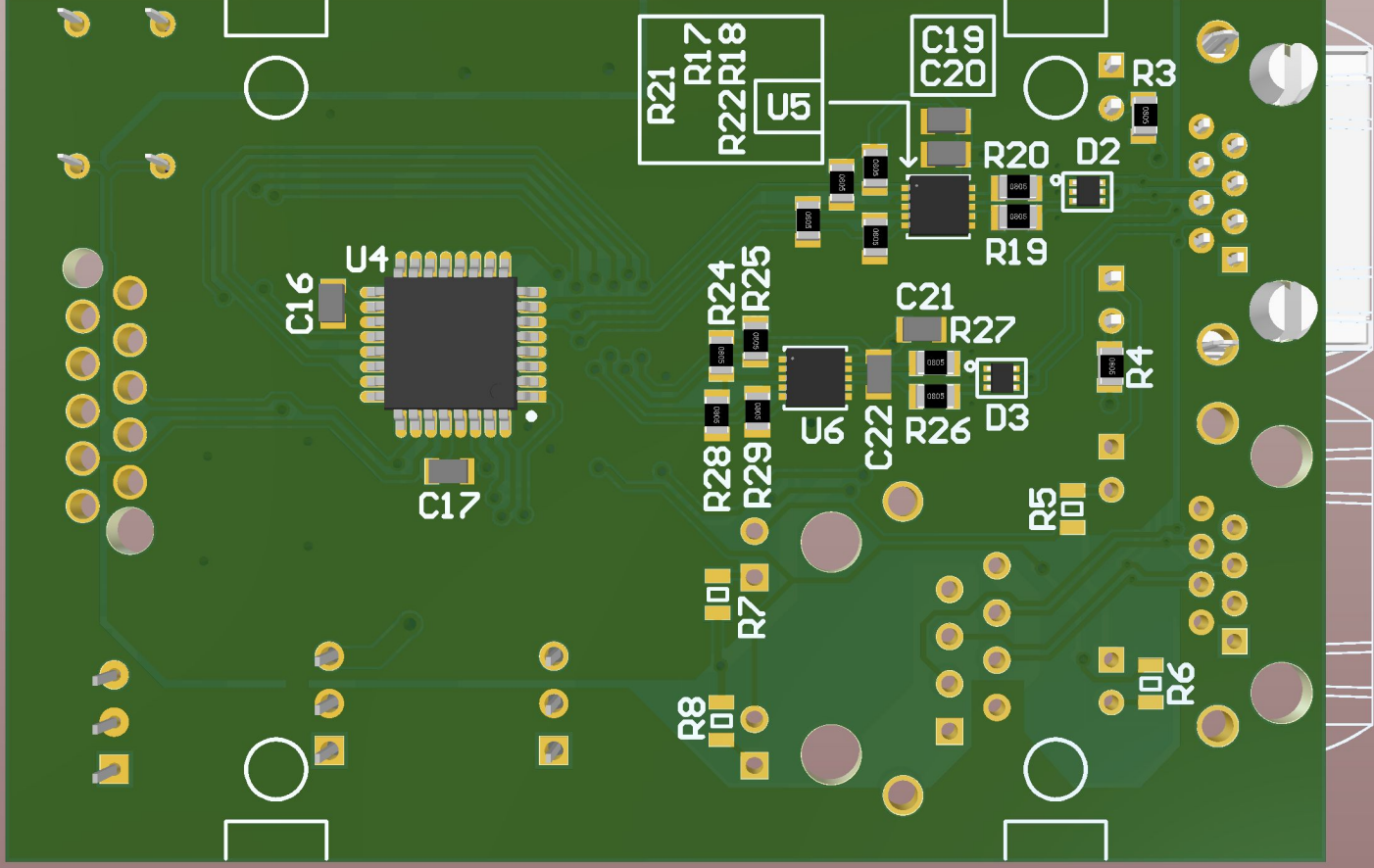


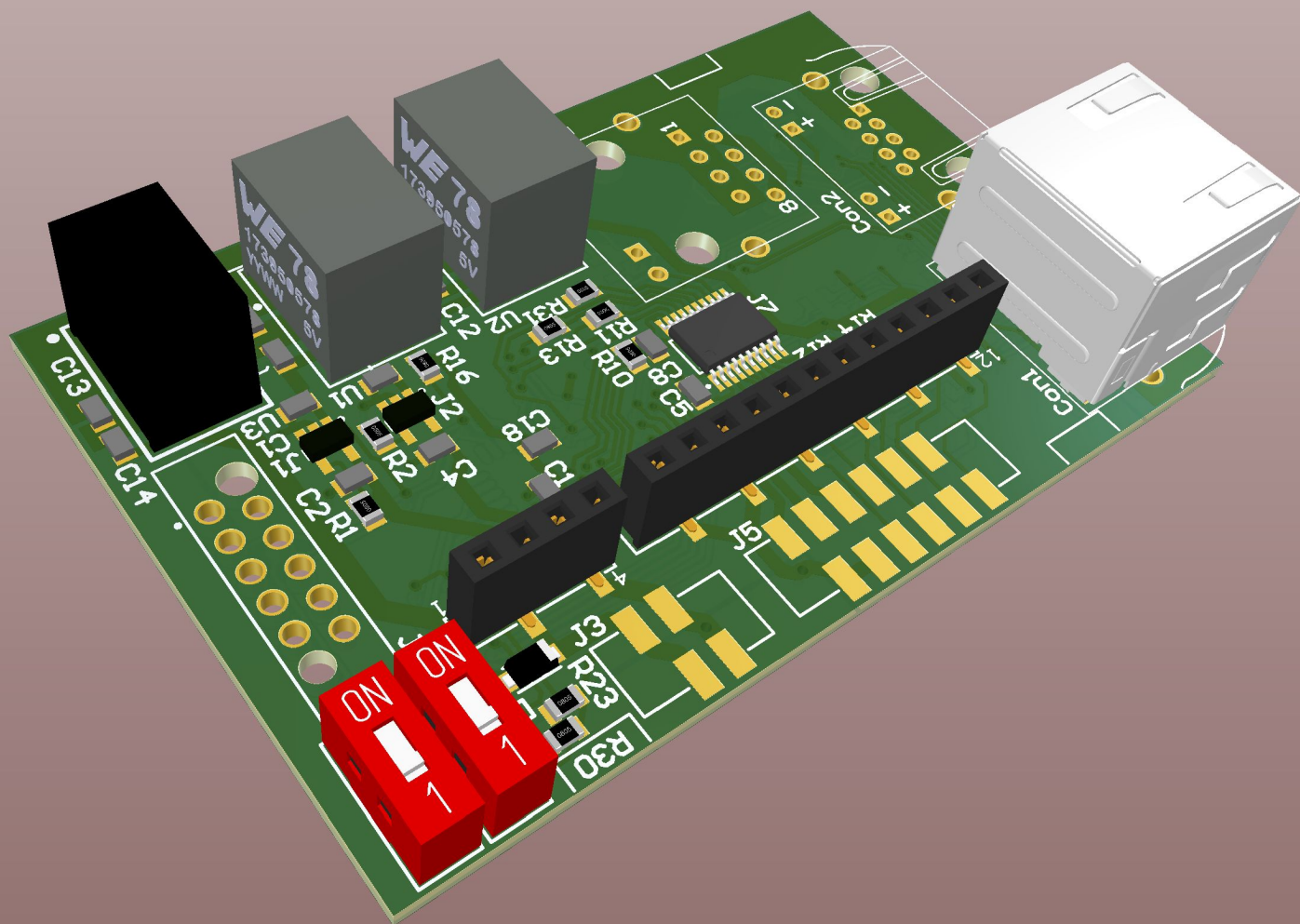












Designator	Quantity	Comment	Footprint	LibRef	Supplier 1	Supplier Part Number 1	Supplier 2	Supplier Part Number 2	Supplier 3	Supplier Part Number 3	Manufacturer_Part Number	Manufacturer	partNo	Publisher	Part Number
C1, C3		2 1uF	SMD-0805	C											
C2, C4		2 4.7uF	SMD-0805	C											
C5, C8		2 100n	SMD-0805	C											
C9, C10, C11, C12, C13, C14, C15, C18		8 22uF	SMD-0805	C											
C16, C17, C20, C22		4 100nF	SMD-0805	C											
C19, C21		2 10uF	SMD-0805	C											
Con1		1 WE-Modular Jack Connectors 615008141321	615008141321	WE-Modular Jack Connectors 615008141321								Wurth Elektronik eiSos GmbH	615008141321		
D1		1 PMEG3015EH	SOD123F	PMEG3015EH	Digi-Key	1727-3871-1-ND	Farnell	1510686	RSComponents	485622		Würth Elektronik eiSos GmbH	82400152		
D2, D3		2 5V	SOT563	WE-TVS-HS, SOT563, 82400152								Würth Elektronik eiSos GmbH	82400152		
J1, J2		2 LTC4411	TSOT-23-5	LTC4411	Farnell	1663916	Digi-Key	LTC4411ES5#TRMPBFCT-ND							
J4		1 61000411921	61000411921	61000411921										Würth Elektronik	61000411921
J6		1 61001211921	61001211921	61001211921										Würth Elektronik	61001211921
J7		1 SN74GTL2003PW	PW20-M	SN74GTL2003PW	Digi-Key	SN74GTL2003PW-ND	Mouser	595-SN74GTL2003PW	Arrow	SN74GTL2003PW					
J8		1 490107671012	490107671012_Permanent Application	490107671012										Würth Elektronik	490107671012
R1, R2, R16		3 100k	R-SMD-0805	R											
R3, R4		2 560R	R-SMD-0805	R											
R9, R11, R12, R13, R14, R15, R31		7 68	R-SMD-0805	R											
R10		1 200k	R-SMD-0805	R											
R17, R18, R21, R22, R24, R25, R28, R29		8 10k	R-SMD-0805	R											
R19, R20, R26, R27		4 10	R-SMD-0805	R											
R23, R30		2 12k	R-SMD-0805	R											
S1, S2		2 418117170901	418117170901	418117170901										Würth Elektronik	418117170901
U1		1 8-42Vin, 5Vout, 1Aout	173010x42	173010542										Würth Elektronik	173010542
U2		1 7-42Vin, 3.3Vout, 1Aout	173010x42	173010342										Würth Elektronik	173010342
U3		1 TSRN 1-24120	SIP-3	TSRN 1-24120	Digi-Key	1951-2613-ND	Farnell	2280250	RSComponents	7553413P					
U4		1 ATmega4808-AUR	32-Pin TQFP	ATmega4808-AUR	Digi-Key	150-ATMEGA4808-AURCT-ND	Mouser	556-ATMEGA4808-AUR							
U5, U6		2 LTC2854CDD	DFN-10_DD-L	LTC2854CDD	Digi-Key	LTC2854CDD#PBF-ND	RSComponents	423743	Farnell	1609796	LTC2854CDD#PBF				