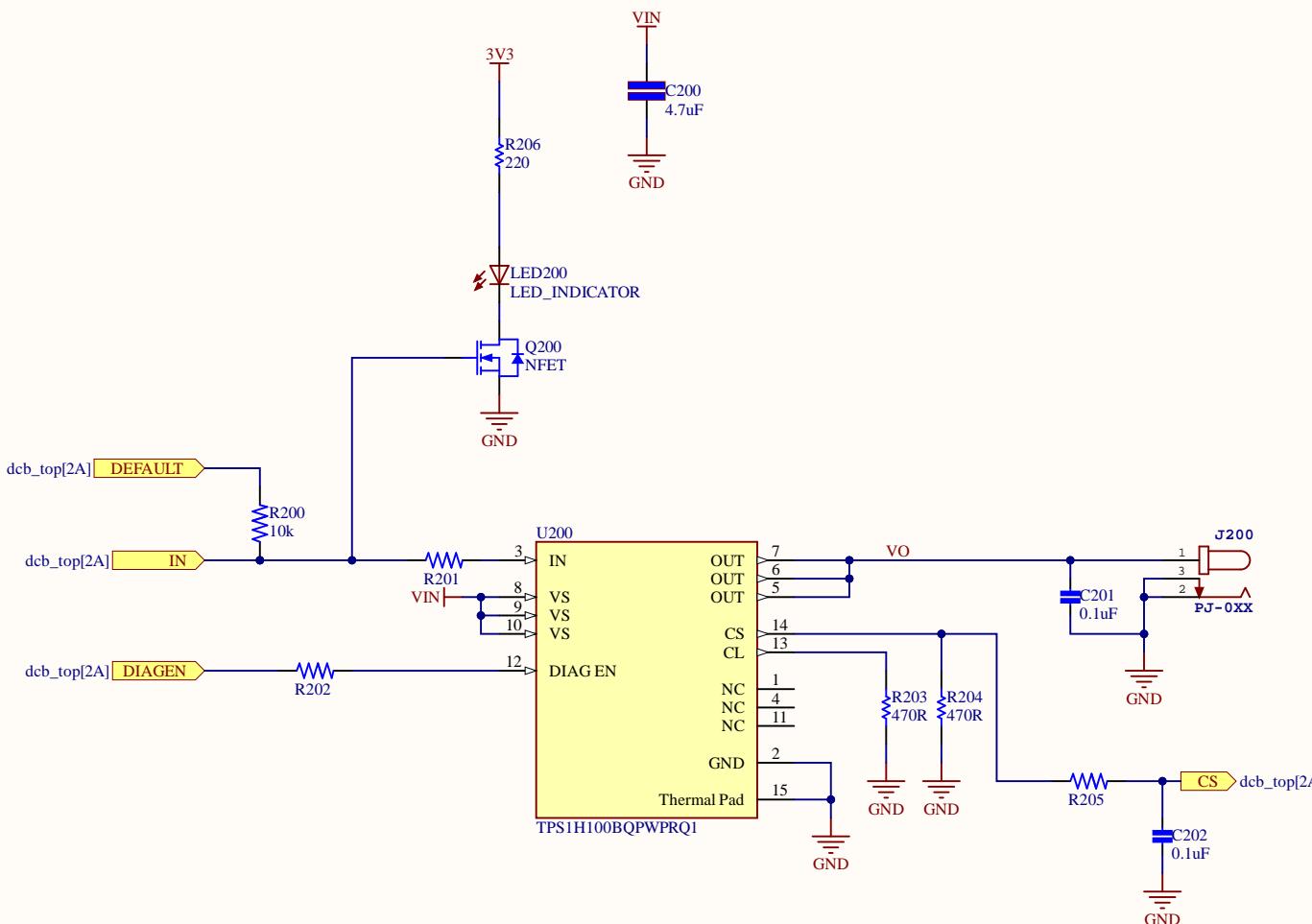


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Date: 5/10/2024	Time: 10:43:33 AM	Sheet 1 of 8
File: dcb_top.SchDoc	*	© 2024 StackFoundry LLC. All Rights Reserved.





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Revision:*	*	github.com/blueacro
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1

2

3

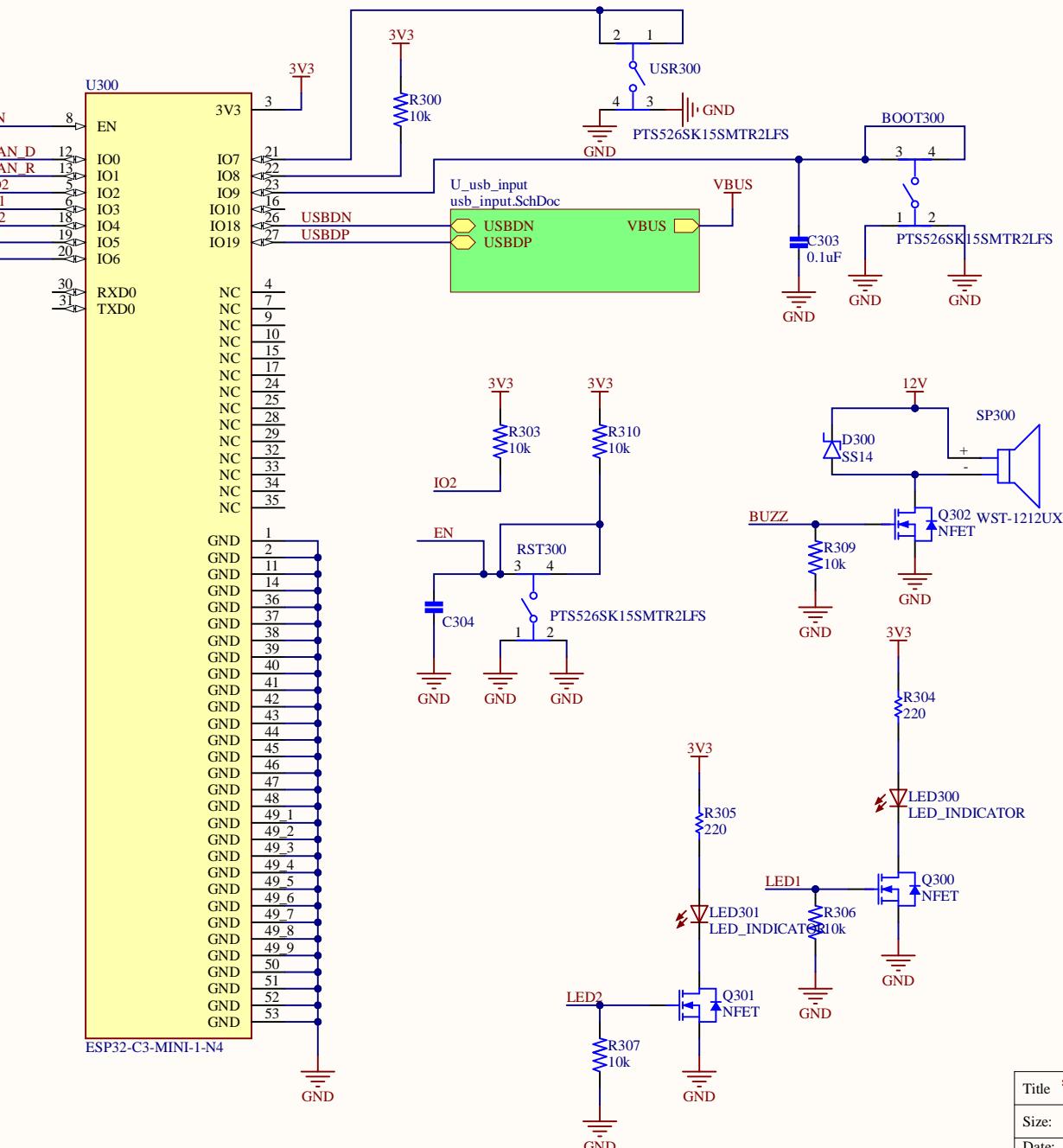
4

A

B

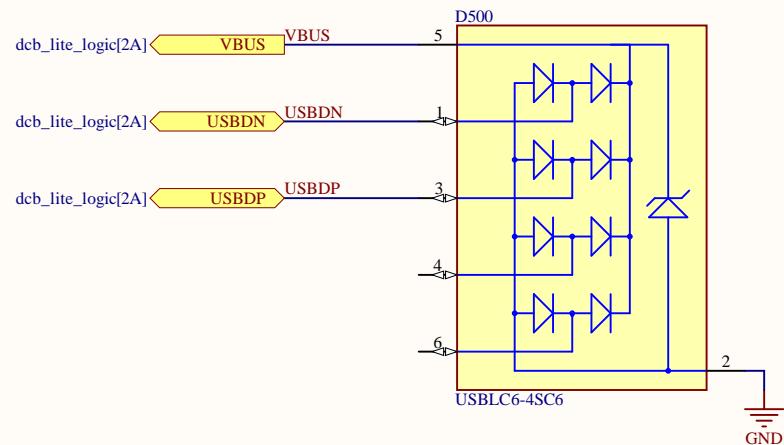
C

D

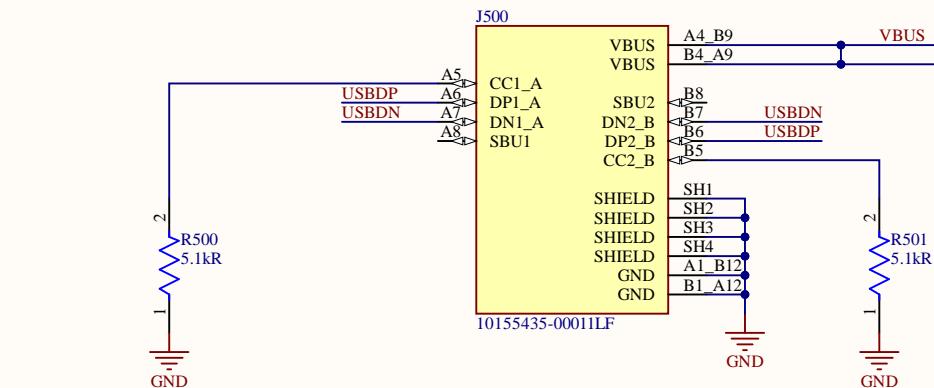
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A



B



C



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A

B

C

D

A

A

B

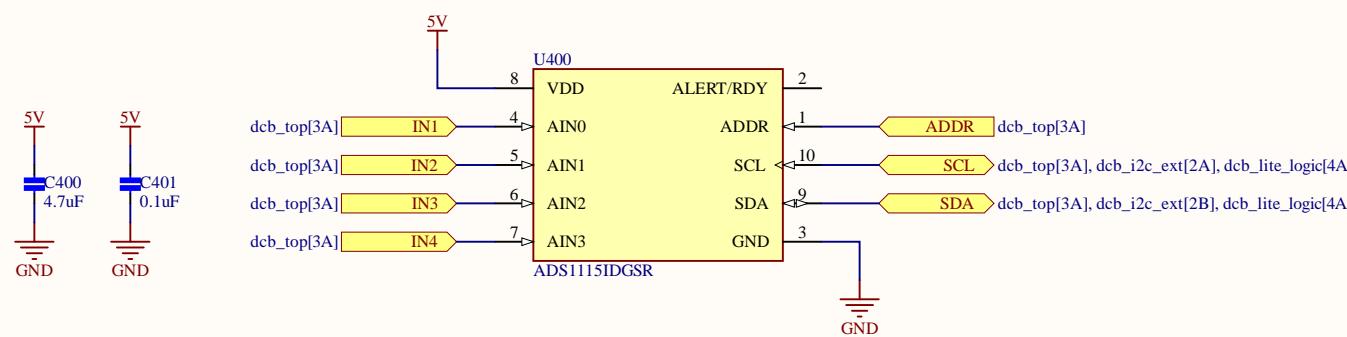
B

C

C

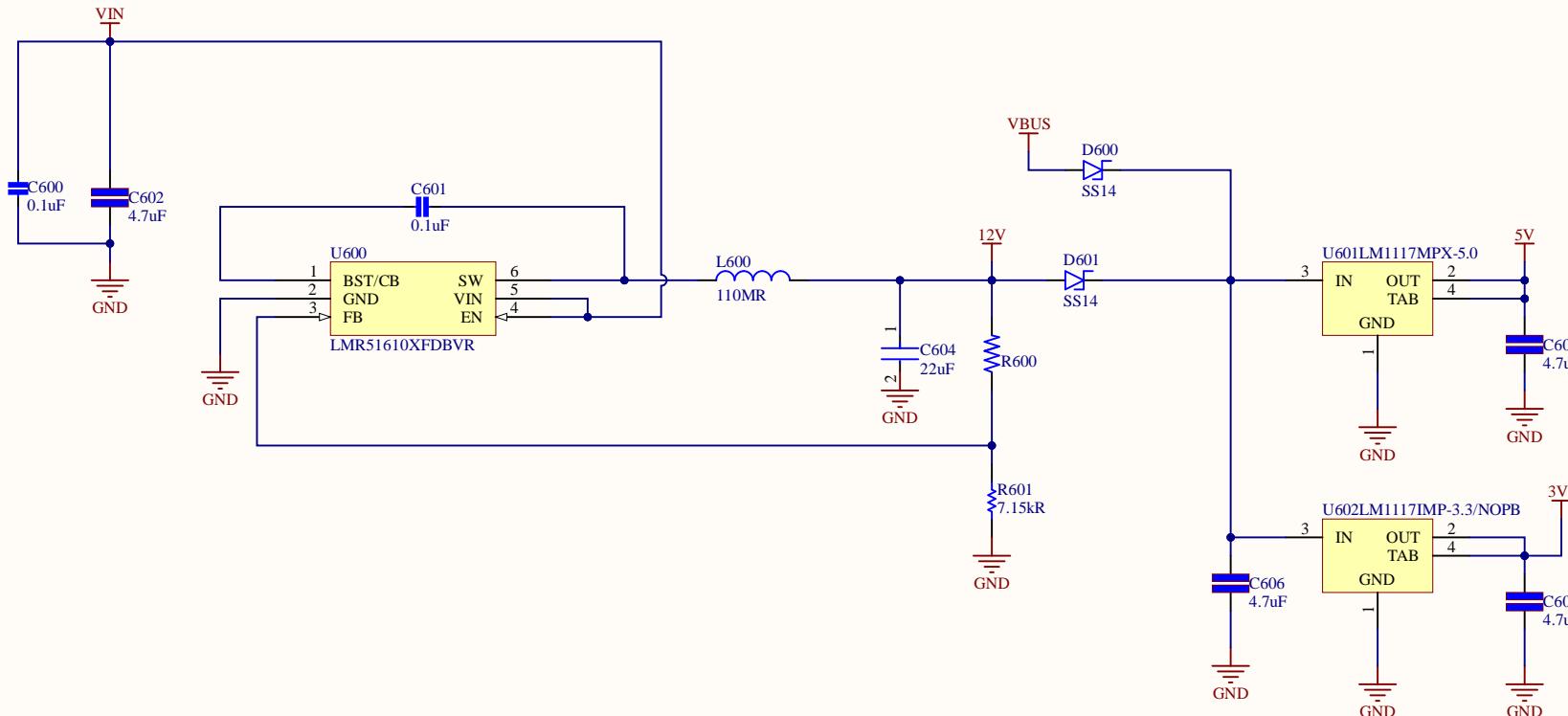
D

D



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File: dcb_lite_adc.SchDoc	© 2024 StackFoundry LLC. All Rights Reserved.	

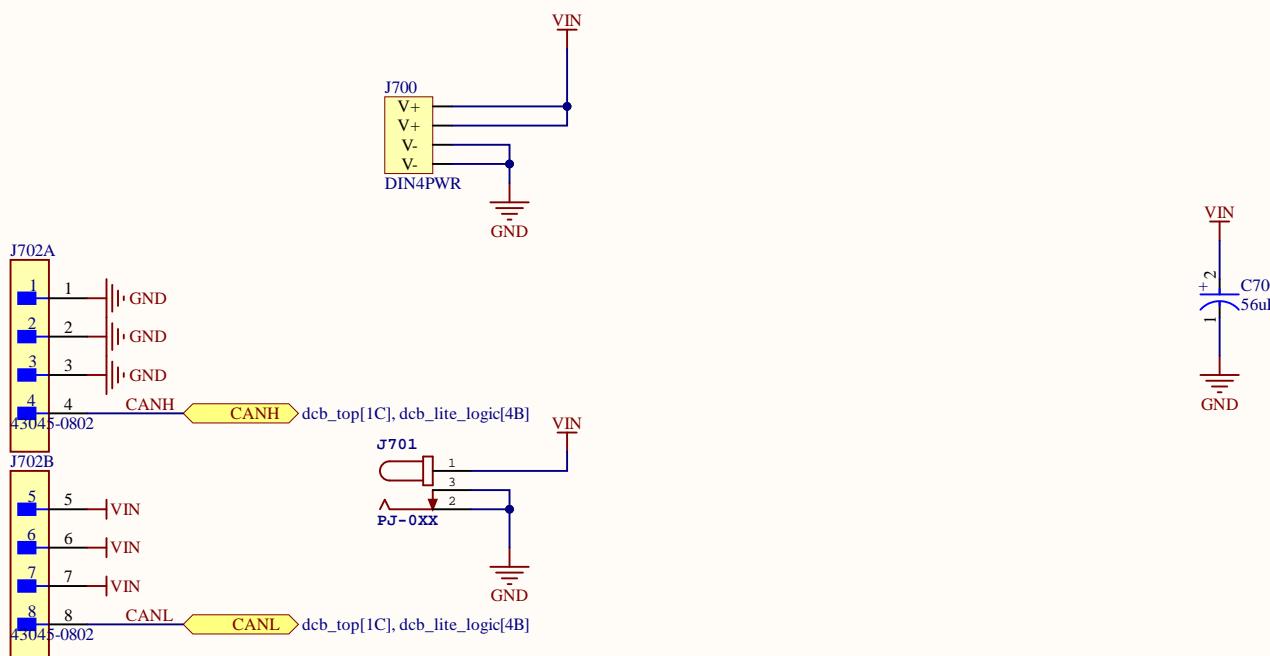
A



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Size: A4	Number:*	Revision:*
Date: 5/10/2024	Time: 10:43:34 AM	Sheet 6 of 8
File: dcdc_60v_12v.SchDoc	*	*

A



B

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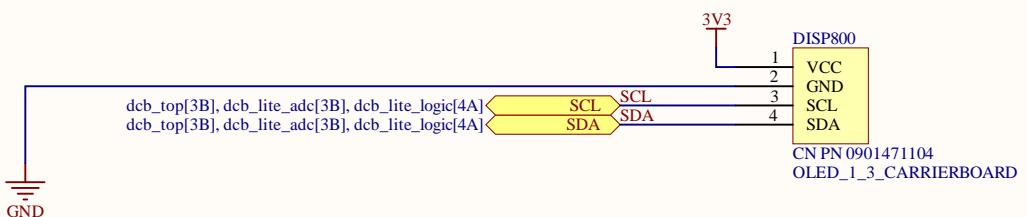
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File: dcb_single_input.SchDoc			*	github.com/blueacro

A

A



B

B

C

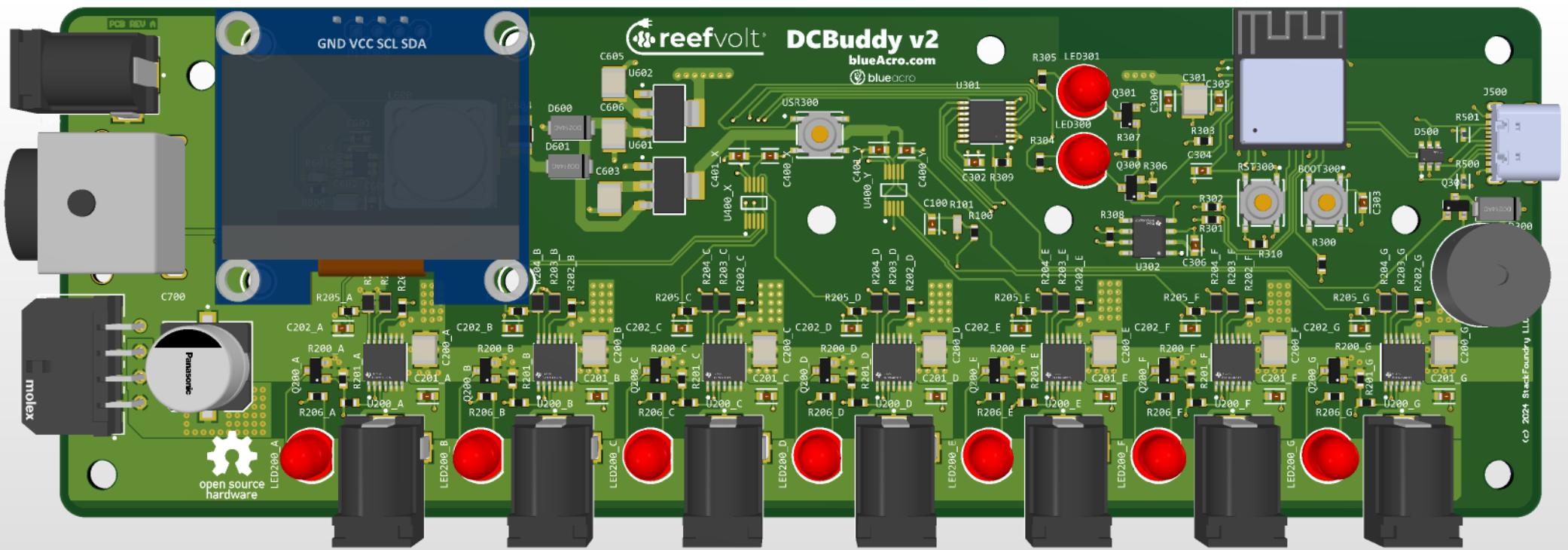
C

D

D

Title		
Size	Number	Revision
A		
Date:	5/10/2024	Sheet of
File:	C:\Users\.\dcb_i2c_ext.SchDoc	Drawn By:

Component	Description	Designator	Footprint	Status	Quantity
PT5245K15SMTR2U13	Surface Tactile N.O SPST Round Button Gull Wing 0.05A 0.05A 1.5mm height 2.4mm I.MD 7/8	#007300, #07300, #007300, #07300,	IP- PT5245K15SMTR2U13 MF	CMP-01-00015-1	3
CAP 0.1uf 50V X7R 0603	Cap Ceramic 0.1uf 50V X7R 20% SMD 0603 125°C Paper T/R	C100_X_C010_Y C200_L_C201_J C201_D_C201_J C201_F_C201_G C202_E_C202_D C202_G_C203_C203 C305_C306_C401_X C400_X_C400_Y C500_L_C501_J	IP-CL10-IPC_B	CMP-01-00084-7	25
CAP 4.7uf 50V X7R 7210	CAP CER 4.7UF 50V KTR 7210	C200_L_C200_R C200_L_C200_D C200_L_C201_J C200_L_C201_K C200_L_C202_B C200_L_C202_D C200_L_C203_C203 C200_L_C204_X C200_L_C205_X C200_L_C206_X	C4C232X20N	CMP-01-00083-3	10
CAP 1uf 10V X7R 0603	Cap Ceramic 1uf 10V KTR 10% SMD 0603 125°C Paper T/R	C302_C304	IP-2.10-IPC_B	CMP-01-00085-7	2
CAP 4.7uf 0603 6.5A X7R	Cap Ceramic 4.7uf 1.3V X7R 10% SMD 0603 6.5A 125°C T/R	C400_X_C400_Y	IP-CL10-IPC_C	CMP-01-00104-1	2
CAP 22uf 25V X7R 0705	1210 22uf 25V X7R Tolerance X7R 0705 125°C Paper T/R Capacitor	C400	IP-1210_L_3_2_0_3 W_L_3_0_AMF	CMP-01-00125-1	1
CAP Stuf 43V Poly 0805	Cap Aluminum Stuf Polymer 43V 0.001uF (0.2mm) SMD 0.03 0mH 180mA 5000pF (0.2mm) 125°C T/R	C700	IP-FNC-MFG	CMP-01-00124-1	1
S114	ESD Suppressor 19KV L-Pre-SOT-23-10	#000, #060, #060	SDA	CMP-000002-2	
USBIC6-4SC4	Product that comes in tape, but is not in tape	#500	IP-SOT23-4L-MFG	CMP-004-00040-1	1
QLED_1_3_CARRIERB CARD	Use 1 pin header #00141101 on board	#0000	QLED_1_3_CARRIERB QABD_Footprint_1	IP-#0028-00002-2	1
P9_00X	2.0 x 4.5 mm, 2.5 A, 1000VDC, 1000VAC, Hole, Dc Power Jack Connector	#200_A, #200_B #200_E, #200_D #200_E, #200_F #200_G, #201	CUI-PJ-000A_V	IP-167-0003-2	8
10155435-00011UF	Power Jack 3.4AU38 Right Angle Recapable Connector	#500	AMPHENOL_1015543 S-00011UF	IP-243-000000-3	1
COMPUOR		#000	PO405	CMP-13-2005-1	1
Core_RecP/CB Header_Rt Angle_2 43045-0802	Row, 8 Pos, Micro-Fit 0.080" Pitch, 0.040" Hgt, GlowWire Comp.	#702	IP-43045-0802-MFG	CMP-02-00102-1	1
Ind Power Shielded 0805 1000KHz 220.1A Factor Fornite 2.1A T/R	Ind Power Shielded 0805 1000KHz 220.1A Factor Fornite 2.1A T/R	#400	SB0126A-ABM- Footprint_1	CMP-006-00034-1	1
LED_INDICATOR		#100_A, #100B #100_C, #100D #100_E, #100F #100_G, #100H #100_I, #100J #100_K, #100L #100_M, #100N #100_O, #100P #100_Q, #100R #100_S, #100T #100_U, #100V #100_W, #100X #100_Y, #100Z	LED5MM	CMP-130-0003-4	9
NFET		#200_A, #200B #200_C, #200D #200_E, #200F #200_G, #200H #200_I, #200J #200_K, #200L #200_M, #200N #200_O, #200P #200_Q, #200R #200_S, #200T #200_U, #200V #200_W, #200X #200_Y, #200Z	SOT23-3	CMP-094-0000-1	10
QMD Chip Resistor 100 Ohms ± 1%, 100 mW, 0805, 1000ppm Metal Thick Film, General Purpose, Res Pitch 0.050", 0.050" mm 10K Ohm 1%	QMD Chip Resistor 100 Ohms ± 1%, 100 mW, 0805, 1000ppm Metal Thick Film, General Purpose, Res Pitch 0.050", 0.050" mm 10K Ohm 1%	#100_B600	883C160B-IPC-L1	CMP-009-00222-1, CMP-009-00023-1	2
1.75k 0603 0.1%	1.75k 0603 0.1% 1/10W ±25ppm/°C Metalized SMD 0.1%	#101_B601	883C160B55K30NL0	CMP-009-00235-1	2
10k 0603 1%	Res General Purpose Thick Film 0603 10K 0.1W 1000ppm ±100ppm/°C Metalized SMD Paper T/R	#200_A, #200_B #200_C, #200_D #200_E, #200_F #200_G, #200_H #200_I, #200_J #200_K, #200_L #200_M, #200_N #200_O, #200_P #200_Q, #200_R #200_S, #200_T #200_U, #200_V #200_W, #200_X #200_Y, #200_Z	883C160B-IPC-ML	CMP-009-00191-4	10
4.7k 0603 1%	QMD Chip Resistor 4.7k 0603 1% 1/10W 0.1% 125 mW, 0805, 2012 Metal Thick Film, General Purpose, Res Pitch 0.050", 0.050" mm 10K Ohm 1%	#201_A, #201_B #201_C, #201_D #201_E, #201_F #201_G, #201_H #201_I, #201_J #201_K, #201_L #201_M, #201_N #201_O, #201_P #201_Q, #201_R #201_S, #201_T #201_U, #201_V #201_W, #201_X #201_Y, #201_Z	883C160B-IPC-ML	CMP-009-00005-1	21
R0805FR-074708	QMD Chip Resistor 100 Ohm, 1%, 125 mW, 0805, 2012 Metal Thick Film, General Purpose, Res Pitch 0.050", 0.050" mm 10K Ohm 1%	#202_A, #202_B #202_C, #202_D #202_E, #202_F #202_G, #202_H #202_I, #202_J #202_K, #202_L #202_M, #202_N #202_O, #202_P #202_Q, #202_R #202_S, #202_T #202_U, #202_V #202_W, #202_X #202_Y, #202_Z	883C201240K05UL10	CMP-009-00233-1	14
220R 0603 5%	QMD Chip Resistor 220 Ohm, 5%, 0.050" 1601 Metalic, SMD 0.050" Pitch, 0.050" mm 10K Ohm 1%	#308	883C160B-IPC-ML	CMP-009-0009-2	1
120R 0603 5%	120R 0603 5% 0603 1601 Metalic, SMD 0.050" Pitch, 0.050" mm 10K Ohm 1%	#309	883C160B-IPC-AH	CMP-009-0009-2	1
K0402PR-0753KL	5.1 kOhm, 1%, 63 mW, 0402 (1005) Metal Thick Film, General Purpose, Res Pitch 0.025", 0.025" mm 10K Ohm 1%	#500	IP-AC0402-IPC_A	CMP-009-00234-1	2
WST-1212UX	A 1.5mm 1.5mm	#500	WST-1212UX Footprint_1	CMP-0027-00003-3	1
F51100BCPWR021	Current Limit SW 1.0A 1.0A 1000ppm Metal Thick Film, 0.050" mm 10K Ohm 1%	#200_A, #200_B #200_C, #200_D #200_E, #200_F #200_G, #200_H #200_I, #200_J #200_K, #200_L #200_M, #200_N #200_O, #200_P #200_Q, #200_R #200_S, #200_T #200_U, #200_V #200_W, #200_X #200_Y, #200_Z	IP-#0014-00001-2	CMP-02-00009-1	7
ESP32-C3-MINI-1-NA	Bluetooth 5.0 0.0211g, 0.021g Bluetooth v5.0 2.412GHz - 2.484GHz IC-BB Trace Surface Mount	#300	HCR_ESP32-C3-MINI 1-N4	CMP-206-0000001	1
PAU9544PAW	QCR800 Interface 1000ppm/°C 5V 1A-10A TSSOP 14Pin I/O/I/O EXPANDER 102 bit Serial I2C 1.8V 1.8A	#301	PW0016A_L	CMP-015-00016-1	1
EMR1610WF08W	EMR1610WF08W coaxial with 4.5V ±0.5V 1A synchronous buck current & 5.07A 40 mA 1.8V 1.8A	#400	SOT199P280X145-AN	CMP-019-00077-1	1
EMI117MPX5.0	EMI117MPX5.0 0.8A 0.8A (1+1)ab 107.223.140	#601	DCY000A_M	CMP-019-00078-1	1
EMI117MPX4.4	EMI117MPX4.4 0.8A 0.8A (1+1)ab 107.223.140	#602	DCY000A_M	CMP-019-00080-1	1





DCBuddy v2

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