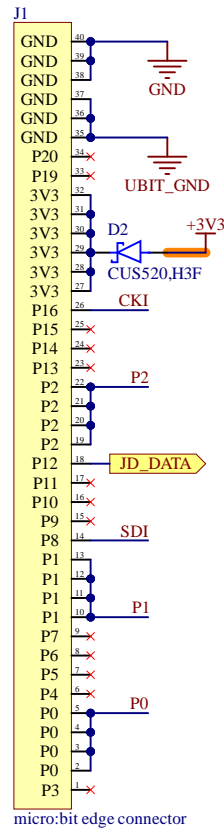
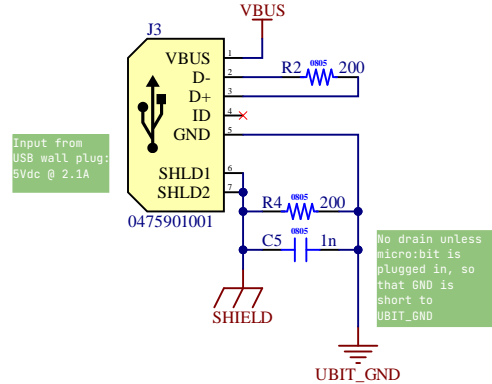


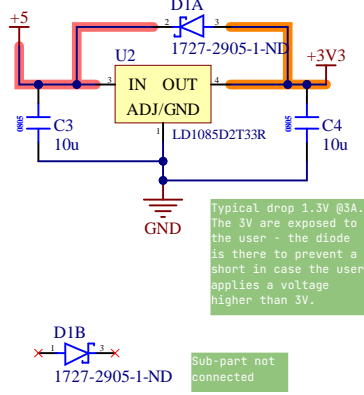
## Connector



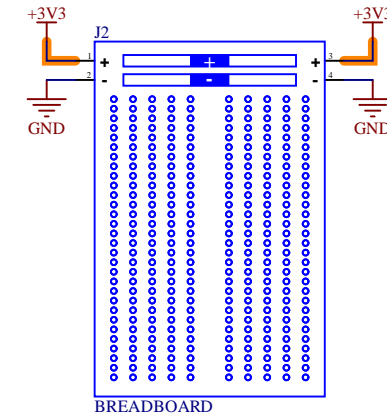
## USB POWER



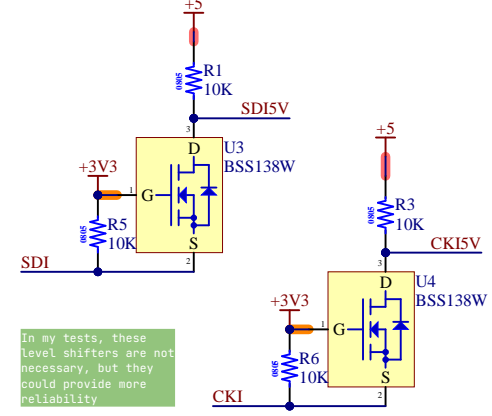
## Power Reg



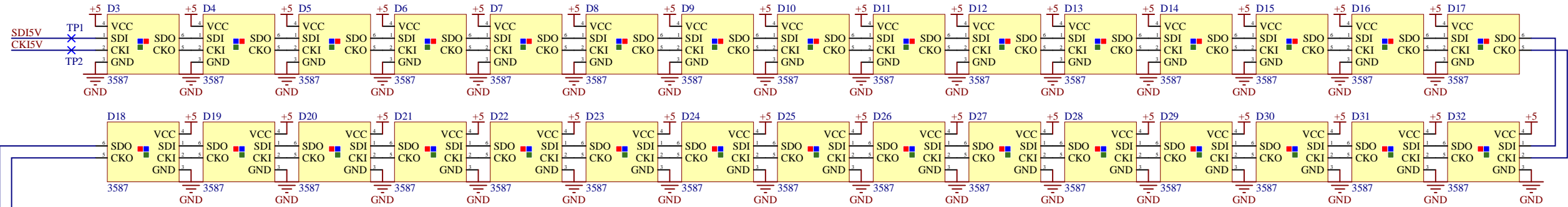
## Breadboard



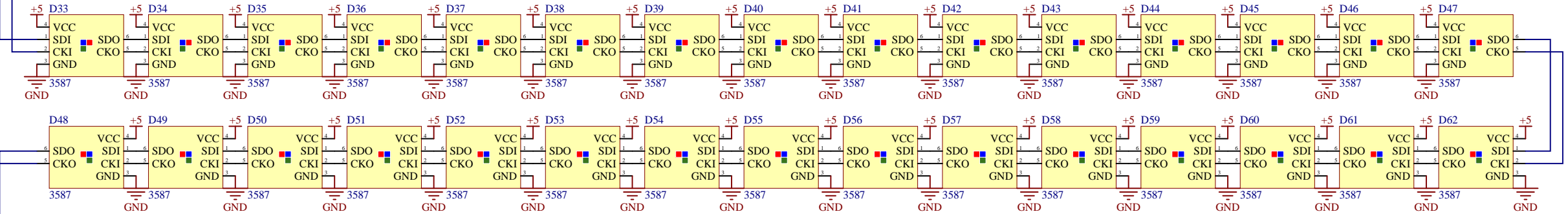
## Level shifters



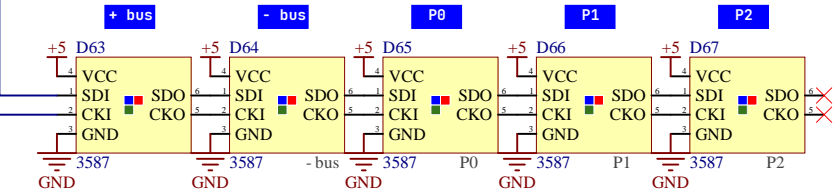
## LED Left Bank (30)



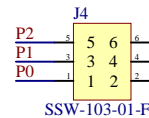
## LED Right Bank (30)



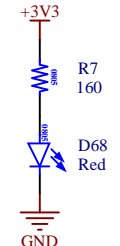
## Other LEDs (5)



## Exposed Pins



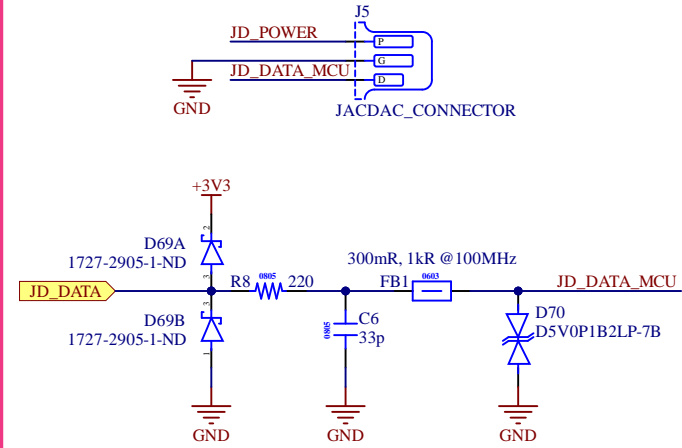
## Status



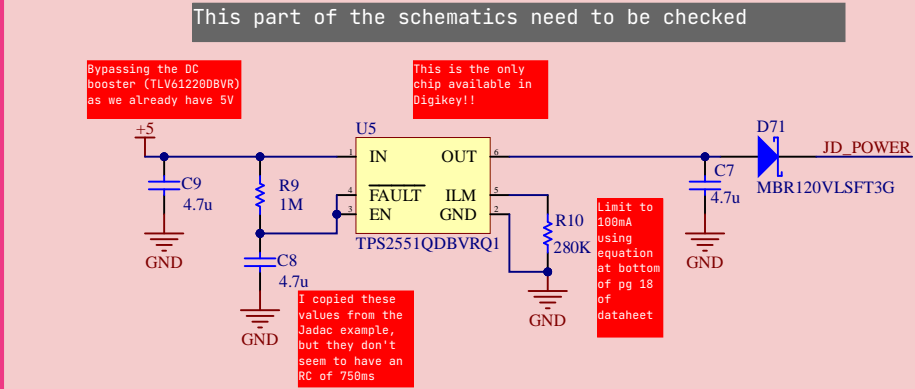
## Mounting holes



JACDAC



JACDAC Power



Designator	Comment	Description	Manufacturer 1	Manufacturer Part Number 1	Quantity	Supplier Part Number 1	Supplier Unit Price 1	Supplier Currency 1	Supplier Order Qty 1	Supplier Order Qty 2	Component Link URL
C3, C4	10u	Cap Ceramic 10uF 10Vdc X5R 10% SMD 0805 85°C Paper T/R			2	13-CC0805KFX5R10B10CT-ND					<a href="http://datasheet.ochipart.com/CC0805KFX5R10B10-10-Vago-datasheet-86397281.pdf">http://datasheet.ochipart.com/CC0805KFX5R10B10-10-Vago-datasheet-86397281.pdf</a>
C7, C8, C9	Cap	Capacitor			3						
D17	MB120M, 513G	Schottky Diode			1						
D2	BREADBOARD	Breadboard with 2 columns of 30 rows + VCC and GND rails			1						
D5	JACDAC_CONNECTOR				1						
R9, R10	Res Semi	Semiconductor Resistor			2						
TPI, TP2	TEST	Test point			2						
C1, C2	1u	Surface Mount Ceramic Multilayer Capacitor 1uF +20% to 80% 15V 25V 0805 Paper T/R	Yageo	CC0805KRY5V8B105	2	311-1358-1-ND	0.14 USD			2	<a href="https://datasheet.civa.com/144/miccondingcode-144703.pdf?rc=supplier-digi-key">https://datasheet.civa.com/144/miccondingcode-144703.pdf?rc=supplier-digi-key</a>
C5	1n	Surface Mount Ceramic Multilayer Capacitor 0.001uF 10% 47V 50V 0805 Paper T/R	Yageo	CC0805KX12R98B102	1	311-1127-1-ND	0.1 USD			1	<a href="https://datasheet.civa.com/11788/6900/6ebd8eb411-5-11786074.pdf?rc=supplier-asc-components">https://datasheet.civa.com/11788/6900/6ebd8eb411-5-11786074.pdf?rc=supplier-asc-components</a>
C6	33p	Cap Ceramic 33pF 50V COG 5% SMD 0805 125C Paper T/R	Yageo	CC0805RNPO8B1330	1	311-1105-1-ND	0.11 USD			1	<a href="https://datasheet.civa.com/144/miccondingcode-144778.pdf?rc=supplier-digi-key">https://datasheet.civa.com/144/miccondingcode-144778.pdf?rc=supplier-digi-key</a>
D1, D69	1727-2905-1-ND	Rectifier Diode Schottky 0.2A 5ns Automotive 3-Pin SC-70 T/R	Philips	BAT54SW,115	2	1727-2905-1-ND	0.23 USD			2	<a href="http://www.farnell.com/datasheets/1679676.pdf?rc=supplier-farnell">http://www.farnell.com/datasheets/1679676.pdf?rc=supplier-farnell</a>
D2	CU5520, H0F	Diode Small Signal Schottky SI 0.2A 2-Pin USJC T/R	Toshiba	CU5520, H0F	1	CU5520H3FCT-ND	0.22 USD			1	<a href="https://toshiba-emi-con-storage.com/en/furderget?productId=41&amp;prodName=CUS520&amp;rc=supplier-digi-key">https://toshiba-emi-con-storage.com/en/furderget?productId=41&amp;prodName=CUS520&amp;rc=supplier-digi-key</a>
D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67	3587	DotStar Micro LED, (WPA102-20209-Smart SMD RGB LED - 100 pack	Adafruit Industries	3587	65-1528-2392-ND		29.95 USD			65	<a href="https://media.digikey.com/pdf/Data%20Sheets/Adafruit%20PDFs/3587-Web.pdf?rc=supplier-digi-key">https://media.digikey.com/pdf/Data%20Sheets/Adafruit%20PDFs/3587-Web.pdf?rc=supplier-digi-key</a>
D68	Red	SMD LED red 2.4 V 8805, 150000K375000, Wurth Elektronik	Wurth Electronics	150000K375000	1	732-4984-6-ND	0.18 USD			1	<a href="https://datasheet.civa.com/22654/150000K375000-22654961.pdf?rc=supplier-element14">https://datasheet.civa.com/22654/150000K375000-22654961.pdf?rc=supplier-element14</a>
D70	D5VOP18ZLP-7B	TVS DIODE 5.5V 13V SMT1000-2	Diodes	D5VOP18ZLP-7B	1	D5VOP18ZLP-7B0ICT-ND	0.28 USD			1	<a href="http://www.mouser.com/ds/2/1715/D5VOP18ZLP-368667.pdf?rc=supplier-mouser">http://www.mouser.com/ds/2/1715/D5VOP18ZLP-368667.pdf?rc=supplier-mouser</a>
F81	300mR, 1kR @100MHz	Ferrite Beads Multi-Layer Chip Beads 100Ohm 25% 100MHz 600mA 0603 T/R	Wurth Electronics	74279262	1	732-4670-1-ND	0.17 USD			1	<a href="https://datasheet.civa.com/29344/74279262-29344469.pdf?rc=supplier-digi-key">https://datasheet.civa.com/29344/74279262-29344469.pdf?rc=supplier-digi-key</a>
J1	micro-Bit edge connector	3887 - SMT Right-Angle Connector for micro-Bit	Adafruit Industries	3887	1-1528-2644-ND		2.95 USD			1	<a href="https://cdn-shop.adafruit.com/product-files/3887/3887_datasheet.pdf">https://cdn-shop.adafruit.com/product-files/3887/3887_datasheet.pdf</a>
J3	0475901001	USB - micro AB Receptacle Connector 5 Position Surface Mount, Right Angle - Horizontal	Molex	0475901001	1	WM14336CT-ND	0.97 USD			1	<a href="https://datasheet.civa.com/29660/475901001-sd-29660111.pdf?rc=supplier-farnell">https://datasheet.civa.com/29660/475901001-sd-29660111.pdf?rc=supplier-farnell</a>
J4	SSW-103-01-F-D	SAWTEC - SSW-103-01-F-D - CONNECTOR, RECEPTACLE, 6 CONTACTS, 2 ROWS, 2.54 MM	Samtec	SSW-103-01-F-D	1	SAM10016-ND	1.42 USD			1	<a href="http://www.farnell.com/datasheets/2550265.pdf?rc=supplier-farnell">http://www.farnell.com/datasheets/2550265.pdf?rc=supplier-farnell</a>
R1, R3, R5, R6	10K	Res Thick Film 8805 10k Ohm 5% 1/8W ±100ppm/°C Molded SMD Paper T/R	Yageo	RC0805JR-0710KL	4	311-10KARCT-ND	0.1 USD			4	<a href="https://datasheet.civa.com/7941/44164-7941870.pdf?rc=supplier-element14">https://datasheet.civa.com/7941/44164-7941870.pdf?rc=supplier-element14</a>
R2, R4	200	RES SMD 200 Ohm 0.5% 1/8W 8805	Yageo	RT0805SRE07200RL	2	311-2816-1-ND	0.12 USD			2	<a href="https://datasheet.civa.com/2569/ipyw-rf-1-to-0-05-rohs-1-5-2549311.pdf?rc=supplier-digi-key">https://datasheet.civa.com/2569/ipyw-rf-1-to-0-05-rohs-1-5-2549311.pdf?rc=supplier-digi-key</a>
R7	160	RES SMD 160 Ohm 5% 1/8W 8805	Yageo	RC0805JR-07160KL	1	311-160ARCT-ND	0.1 USD			1	<a href="https://datasheet.civa.com/2456/ipyw-rf-thick-7-2456164.pdf?rc=supplier-digi-key">https://datasheet.civa.com/2456/ipyw-rf-thick-7-2456164.pdf?rc=supplier-digi-key</a>
R8	220	Res General Purpose Thick Film 8805 220 Ohm 5% 1/8W ±100ppm/°C Molded SMD Paper T/R	Yageo	RC0805JR-07220KL	1	311-220ARCT-ND	0.1 USD			1	<a href="https://datasheet.civa.com/7941/442941-7941917.pdf?rc=supplier-element14">https://datasheet.civa.com/7941/442941-7941917.pdf?rc=supplier-element14</a>
U1		REEL / OVER CURRENT PROTECTION	ON Semiconductor	NCP380LSN10AAT1G	1	NCP380LSN10AAT1G05CT-ND	0.76 USD			1	<a href="https://datasheet.civa.com/1939/ncp380-d-1939778.pdf?rc=supplier-digi-key">https://datasheet.civa.com/1939/ncp380-d-1939778.pdf?rc=supplier-digi-key</a>
U2		Fixed LDO Voltage Regulator, 6.3V to 30V, 1.3V Dropout, 3.3Vout, 3Aout, TO-263-3	STMicroelectronics	LD108S02733R	1	497-1222-4-ND	1.72 USD			1	<a href="https://datasheet.civa.com/16375/c400001883-16375381.pdf">https://datasheet.civa.com/16375/c400001883-16375381.pdf</a>
U3, U4		BSS138W	ON Semiconductor / Fairchild	BSS138W	2	BSS138WCT-ND	0.39 USD			2	<a href="https://datasheet.civa.com/17170/bss138w-17170739.pdf">https://datasheet.civa.com/17170/bss138w-17170739.pdf</a>
U5		Automotive 2.7V to 5.5V adjustable current limit power distribution switch 6-SOT-23-40 to 125	Texas Instruments	TPS2551QDBWQ21	1	296-23692-1-ND	3.08 USD			1	<a href="https://datasheet.civa.com/3233/tp2551-q1-3233588.pdf?rc=supplier-aufnet">https://datasheet.civa.com/3233/tp2551-q1-3233588.pdf?rc=supplier-aufnet</a>