

Designed for the Teensy 4.1 around the 2x4" prototype board, all through hole: <https://www.tindie.com/products/drazzy/2-x-4-prototypingproject-boards/>

Hdr	Left side				Left middle				Power	Right middle				Right side			Hdr						
	Ground	Use	Pin	Group	Group	Use	Other1	Other2		Pin	Use	Other1	Other2	Pin	Group	Group		Use	Pin				
1	No pins	Button1	3	Button	Teensy 4.1	Ground			Ground	Teensy 4.1	Vin		Vin	Teensy 4.1	Button	Button2	jumper	1					
2		Spacer				RX1	CS1	CRX2	0		Ground	Ground				Ground	Spacer			2			
3		Ground	Ground	Serial1, PWM, Can		TX1	MISO1	CTX2	1		3.3v	3.3v				3.3v	Ground	Ground	Ground	Ground	3		
4		3.3v	3.3v				---	I2S2-OUT			2	I2S1-MCLK	CRX1			23/A9	3.3v	3.3v	3.3v	3.3v	4		
5		RX1	0				Button1	I2S2-LRCLK			3	Analog #1	CTX1			22/A8	I2S1-MCLK	23/A9			5		
6		TX1	1				I2C extra	I2S2-BCLK			4	I2S1-BCLK	RX5			21/A7	I2S1-BCLK	21/A7			6		
7		Vin	Vin			---	I2S2-IN		5		I2S1-LRCLK	TX5			20/A6	I2S1-LRCLK	20/A6				7		
8		Spacer				---	I2S1-OUTD	Audio Mem.	6		SCL0				19/A5	I2S1-OUTA	7				8		
9		Ground	Ground	Serial3, PWM, S/PDIF, or A0/A1		I2S1-OUTA	RX2		7		SDA0				18/A4	I2S1-IN	8				9		
10		3.3v	3.3v				I2S1-IN	TX2			8	Neo-In1	TX4		SDA1	17/A3	I2S1-OUTC	9				10	
11		RX3	15/A1				---	I2S1-OUTC			9	Analog #2	RX4		SCL1	16/A2	Vin	Vin				11	
12		TX3	14/A0				---	MQSR	Audio SD		10	TX3	S/PDIF IN		Audio Volume	15/A1	Spacer					12	
13		Vin	Vin			SPIO-MOSI			11		SPIO-SCLK	S/PDIF OUT			14/A0	Default Pot.	Data1	22/A8			13		
14		Spacer				SPIO-MISO	MQSL		12		SPIO-SCLK	LED			13	Analog pot. #1	Ground	Ground	Ground	Ground	14		
15		Ground	Ground	I2C0		3.3v			3.3v		Ground				41/A17	3.3v	3.3v	3.3v	3.3v		15		
16		3.3v	3.3v				---	TX6	SCL2		24/A10	Alt. SPI1-MISO				40/A16	Spacer					16	
17		SDA0	18/A4				---	RX6	SDA2		25/A11	Alt. SPI1-D/C				39/A15	Default Pot.	Data2	16/A2			17	
18		SCL0	19/A5				SPI1-MOSI				26/A12	SPIO-CS-A	I2S1-OUTA		CS0	38/A14	Analog pot. #2	Ground	Ground	Ground	Ground	18	
19	Ground	I2C extra	4	SPI1		SPI1-SCLK			27		SPIO-D/C	I2S1-IN	CS0		37	Ground	Data2	Jumper	Jumper	Jumper	19		
20		Vin	Vin				SPI1-CS-A	RX7			28	SPIO-Reset				36	3.3v	3.3v	3.3v	3.3v		20	
21		Spacer				SPI1-Reset	TX7		29		SPIO-CS-B				35	Spacer					21		
22		Ground	Ground				SPI1-CS-B				30	Neo-In2	TX8			34	Ground	Ground	Ground	Ground	Ground	22	
23		3.3v	3.3v	SPI0		---			31		---	RX8			33	3.3v	3.3v	3.3v	3.3v		23		
24		SPI1-SCLK	27				---	I2S1-OUTB			32	---	I2S2-MCLK			33	SPIO-SCLK	13				24	
25		SPI1-MOSI	26/A12				Spacer					Spacer				SPIO-MOSI	11			25			
26		SPI1-MISO	Jumper				Alt. SPI1-MISO				41/A17	Spacer				SPIO-MISO	12				26		
27		SPI1-CS-A	Jumper	SPI0		Alt. SPI1-CS-A			28		SPIO-CS-A				39/A15	SPIO-CS-A	Jumper	Jumper	Jumper	Jumper		27	
28		SPI1-D/C	Jumper				SPI1-D/C				40	SPIO-D/C				38/A14	SPIO-D/C	Jumper	Jumper	Jumper	Jumper		28
29		SPI1-Reset	Jumper				SPI1-Reset				29	SPIO-Reset				37	SPIO-Reset	Jumper	Jumper	Jumper	Jumper		29
30		SPI1-CS-B	Jumper				SPI1-CS-B				30	SPIO-CS-B				36	SPIO-CS-B	Jumper	Jumper	Jumper	Jumper		30
31		Vin	Jumper			Vin			Vin		Vin				Vin	Vin	Jumper	Jumper	Jumper	Jumper		31	
32		Spacer				Spacer						Spacer				Spacer					32		
33		Neo-Out2	--	Level shifter (SN74AHC1G125DBVR)		Ground (OE)			Ground		Ground				Ground	Ground	Vin	Vin	Vin	Vin		33	
34		N/C (GND)	Ground				Neo-In2				Jumper	Neo-In1				Jumper	N/C (GND)	Ground	Ground	Ground	Ground		34
35		Vin	Vin				Ground				Ground	Ground (OE)				Ground	Neo-Out1	--	--	--	--		35
36		Spacer				3.3v			3.3v		3.3v	3.3v			3.3v	3.3v	Spacer					36	
37	No pins	Led	Jumper	Led		Neopixel	Neo-In2		35		Neo-In1				17/A3	Led	Led	Led	Jumper	Jumper		37	