TICKER Pin Table

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LED MATRIX	WIRE	LEVEL SHIFTER #1 PIN		COMMENTS	LEVEL SHIFTER #1 PIN	WIRE	POCKET BEAGLE		COMMENTS
LEFT COLUMN PIN	WIKE						PIN	IULE	COPPLENTS
R1		B8		Red signal 1	A8		GPIO 57	P2.6	Red signal 1
B1		B7		Blue signal 1	A7		GPIO 59	P2.2	Blue signal 1
R2		B6		Red signal 2	A6		GPIO 20	P1.20	Red signal 2; note this is on P1
B2		B5		Blue signal 2	A5		GPIO 23	P2.3	Blue signal 2
Α		B4		Select A	A4		GPIO 44	P2.24	Select A
С		B3		Select C	A3		GPIO 46	P2.22	Select C
CLK		B2		Clock	A2		GPIO 52	P2.10	Clock
0E		B1		Output enable	A1		GPIO 50	P2.1	Output enable
-	-	VA		Voltage A; no conn to LED MATRIX	VA		3.3V	P2.23	Voltage A; conn via rail
-	-	0E		Output enable; no conn to LED MATRIX	OE		3.3V	P2.23	Output enable; conn to LEVEL SHIFTER #1 VA
-	-	VB		Voltage B; no conn to LED MATRIX	VB		VOUT (5V)	P2.13	Voltage B; conn via rail
_	_	GND		Ground; no conn to LED MATRIX	GND		GND	P2.15	Ground; conn via rail
LED MATRIX	WIRE	LEVEL CUTE	TED	COMMENTS	LEVEL SHIFTER	WIRE	POCKET BEA	CLE	COMMENTS
RIGHT COLUMN PIN	WIKE	WIRE LEVEL SHIFTER #2 PIN			#2 PIN	WIRE	PIN		
G1		B8		Green signal 1	A8		GPIO 58	P2.4	Green signal 1
GND		GND		Ground; conn via rail	-	-	-	-	No conn
G2		B6		Green signal 2	A6		GPIO 26	P1.34	Green signal 2; note this is on P1
GND		GND		Ground; conn via rail	-	-	-	-	No conn
В		B4		Select B	A4		GPIO 45	P2.33	Select B
D		В3		Select D	A3		GPIO 47	P2.18	Select D
LAT		B2		Latch	A2		GPIO 60	P2.8	Latch
GND		VA OE VB		Ground; conn via rail	-	-	-	- P2.23	No conn
-	_			Voltage A; no conn to LED MATRIX	VA		3.3V		Voltage A; conn via rail
-	_			Output enable; no conn to LED MATRIX	0E		3.3V	P2.23	Output enable; conn to LEVEL SHIFTER #2 VA
-	_			Voltage B; no conn to LED MATRIX	VB		VOUT (5V)	P2.13	Voltage B; conn via rail
_	_	GND		Ground; conn to LED MATRIX GND pins via rail	GND		GND	P2.15	Ground; conn via rail
USB BREAKOUT	WIRE COLOR	POCKET BEAGLE		COMMENTS	POWER SOURCE	WIRE	POCKET BEAGLE		COMMENTS
PIN VCC		PIN VIN (5V)	P1.7	Input voltage	PIN 5V		VIN (5V)	P1.7	Input voltage; conn from 5V/4A DC adapter via
D-		DN	P1.9	Negative data			(31)		VCC on USB BREAKOUT
D+		DP	P1.11	Positive data	GND		GND	P1.15	Ground; conn from 5V/4A DC adapter via GND on
GND		GND	P1.15	Ground	dilb		ditib	11113	USB BREAKOUT
BUTTON PIN	WIRE COLOR OR RESISTOR	POCKET BEAGLE PIN		COMMENTS	AHT10 TEMP/HUMID SENSOR PIN	WIRE COLOR OR RESISTOR	POCKET BEA	GLE	COMMENTS
1+		3.3V	P2.23	Conn via rail	VIN		3.3V	P1.14	Input voltage; conn via breadboard
1-	1k	GND	P2.21	Ground; conn via rail	GND		GND	P1.16	Ground
1-		GPIO 87	P1.2	Widget cycling backward button "<"	SCL	1k	3.3V	P1.14	
2+		3.3V	P2.23	Conn via rail	SCL		I2C2	P1.28	Serial clock; conn via breadboard
2-	1k	GND	P2.21	Ground; conn via rail	SDA	1k	3.3V	P1.14	
2-		GPIO 89	P1.4	Action button "•"	SDA		I2C2	P1.26	Serial data; conn via breadboard
3+		3.3V	P2.23	Conn via rail					
3-	1k	GND	P2.21	Ground; conn via rail	KEY				
3-		GPIO 5	P1.6	Widget cycling forward button ">"	Conn	"Connected"			
4+		3.3V	P2.23	Conn via rail					
4-	1k	GND	P2.15	Ground; conn via rail	NOTES				
4-		GPIO 2	P1.8	Brightness decrease button "-"	Be careful about th	e pin connections f	or the LED M	ATRIX and e	nsure the matrix is in the upright orientation.
5+		3.3V	P2.23	Conn via rail	The types of signal R1 (red signal 1) c	s for the LEVEL SHI onnects to LEVEL SH	.FTERs should HIFTER 1 pin	correspond B8, which i	across A and B pins; for example, the LED MATRIX nternally connects to LEVEL SHIFTER 1 pin A8,
5-	1k	GND	P2.15	Ground; conn via rail		to POCKET BEAGLE	oin P2.6 (GPI		the documentation for wiring diagrams of the
5-		GPIO 3	P1.10	Brightness increase button "+"	DUTIONS AND AHITO I	בוור/חטוווט אבוואטא (ן	.zc type).		