

## TICKER Pin Table

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LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail	
-					-	VA		Voltage A; no conn to LED MATRIX		-					-	VA		Voltage A; no conn to LED MATRIX	
-					-	OE		Output enable; no conn to LED MATRIX		-					-	OE		Output enable; no conn to LED MATRIX	
-					-	VB		Voltage B; no conn to LED MATRIX		-					-	VB		Voltage B; no conn to LED MATRIX	
-					-	GND		Ground; no conn to LED MATRIX		-					-	GND		Ground; conn to LED MATRIX GND pins via rail	
LED MATRIX LEFT COLUMN PIN					WIRE	LEVEL SHIFTER #1 PIN		COMMENTS		LED MATRIX RIGHT COLUMN PIN					WIRE	LEVEL SHIFTER #2 PIN		COMMENTS	
R1						B8		Red signal 1		G1						B8		Green signal 1	
B1						B7		Blue signal 1		GND						GND		Ground; conn via rail	
R2						B6		Red signal 2		G2						B6		Green signal 2	
B2						B5		Blue signal 2		GND						GND		Ground; conn via rail	
A						B4		Select A		B						B4		Select B	
C						B3		Select C		D						B3		Select D	
CLK						B2		Clock		LAT						B2		Latch	
OE						B1		Output enable		GND						GND		Ground; conn via rail</	