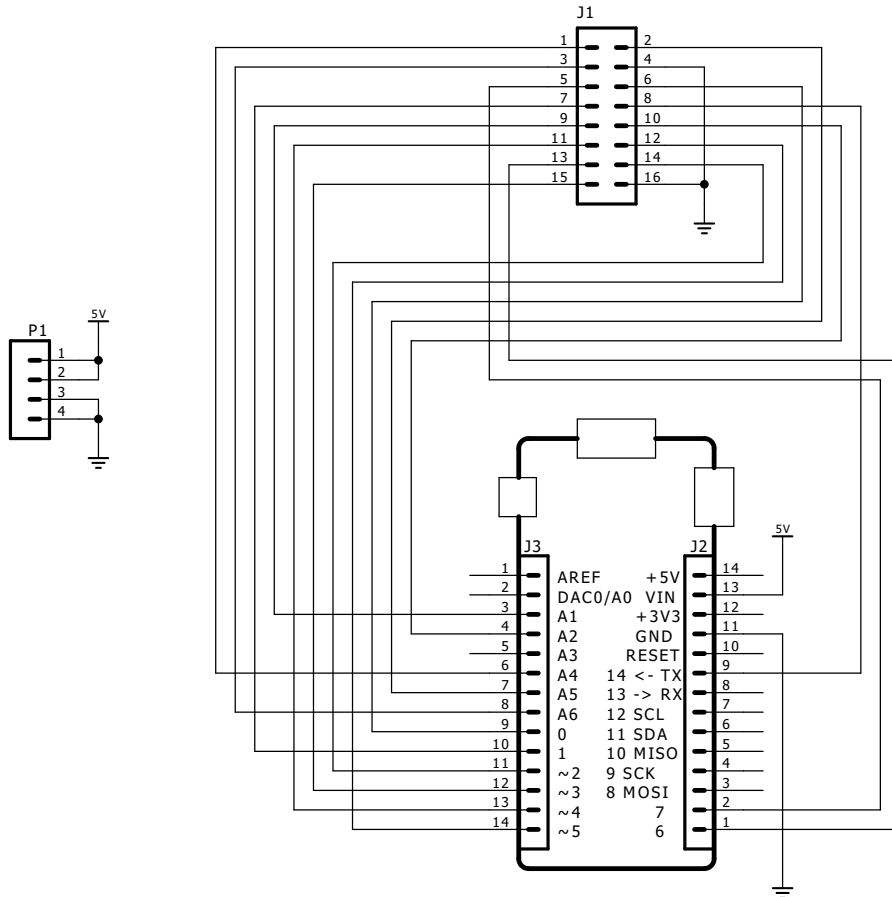


PIN MAPPING

Panel Pins:	E	D	C	B	A	B2	G2	R2	CLK	OE	LAT	B1	G1	R1					
Connector Pins:	8	12	11	10	9	7	6	5	13	15	14	3	2	1					
Port Pins:	PB22	..	PB11	PB10	..	PB03	PB02	..	PA23	PA22	PA21	PA20	..	PA11	PA10	..	PA07	PA06	PA05
Arduino IDE:	14	5	4	17	16	1	0	7	6	3	2	21	20	19					
Board Pin Name:	TX	D5	D4	A2	A1	D1	D0	D7	D6	D3	D2	A6	A5	A4					

The J1 connector may be a receptacle mounted on the top side of the board to accept a ribbon cable, or a plug mounted on the bottom of the board to insert directly into the LED panel.



BILL OF MATERIALS

PCB
https://oshpark.com/shared_projects/TBD

P1
 JST B4PS-VH
 Digikey 455-1650-ND

J1 - Ribbon Cable
 Hirose HIF3FC-16DA-2.54DSA
 Digikey H123847-ND

J1 - Plug
 Hirose HIF3FB-16DA-2.54DSA
 Digikey H123831-ND

Headers
 Adafruit Feather Header Kit - ID 2886

DRAWN	ee-quipment.com			
APPROVED	NAME MKR Shield, RGB Matrix Adaptor			
DATE	DOCUMENT	SIZE A	REVISION A	SHEET 1/1