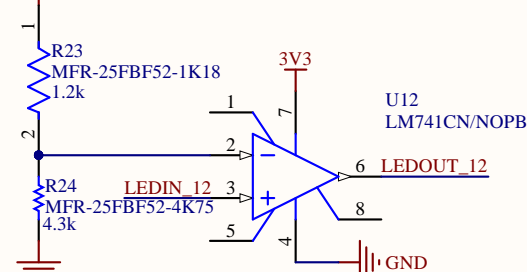
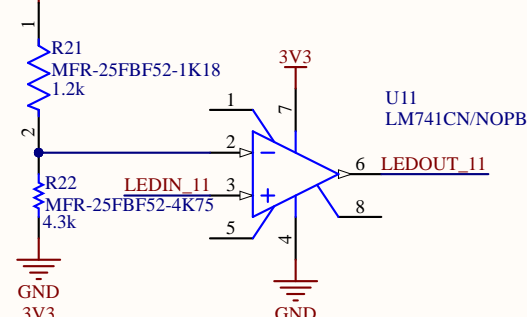
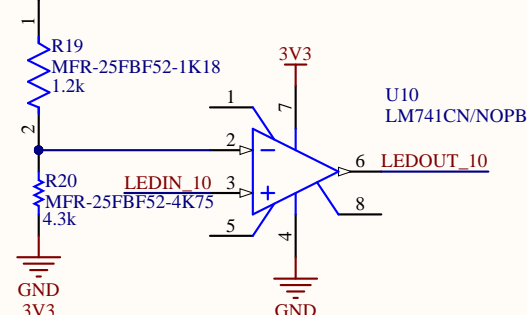
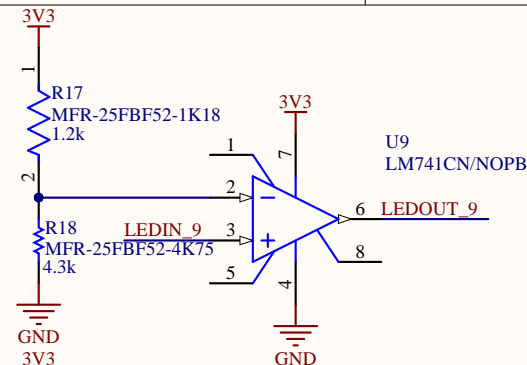
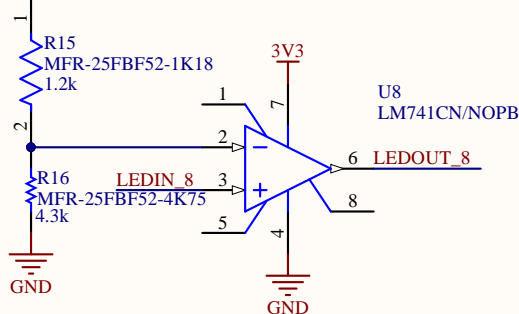
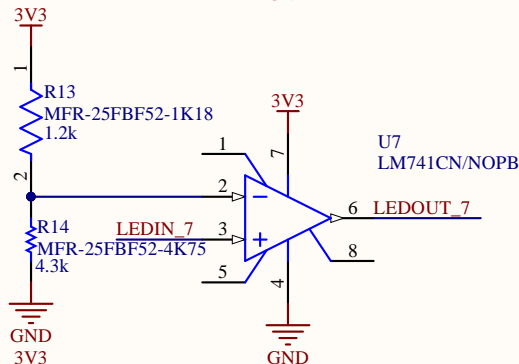
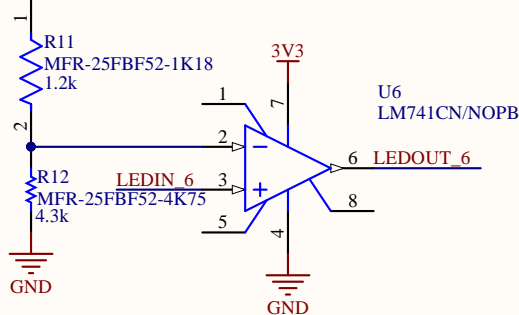
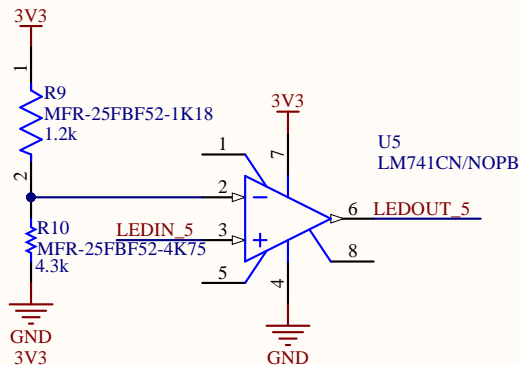
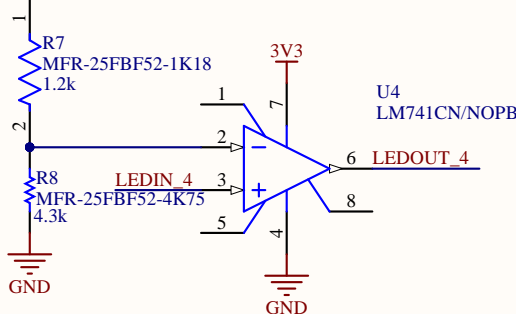
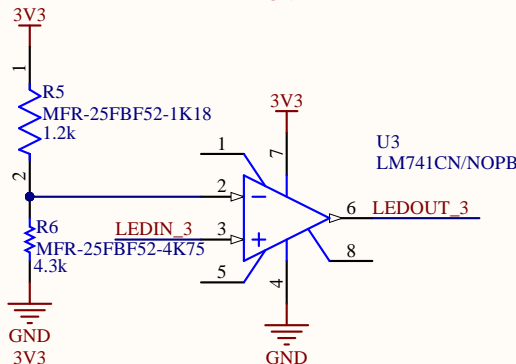
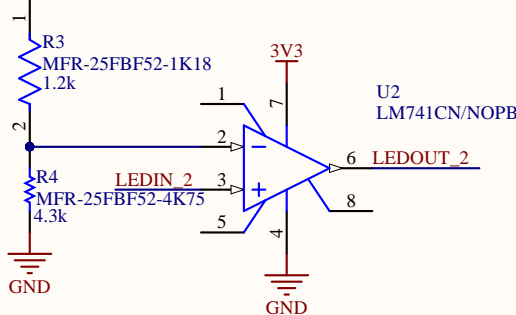
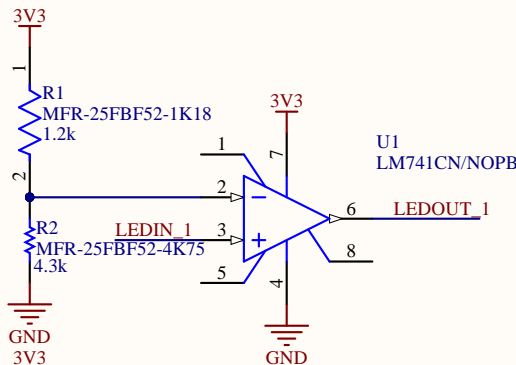


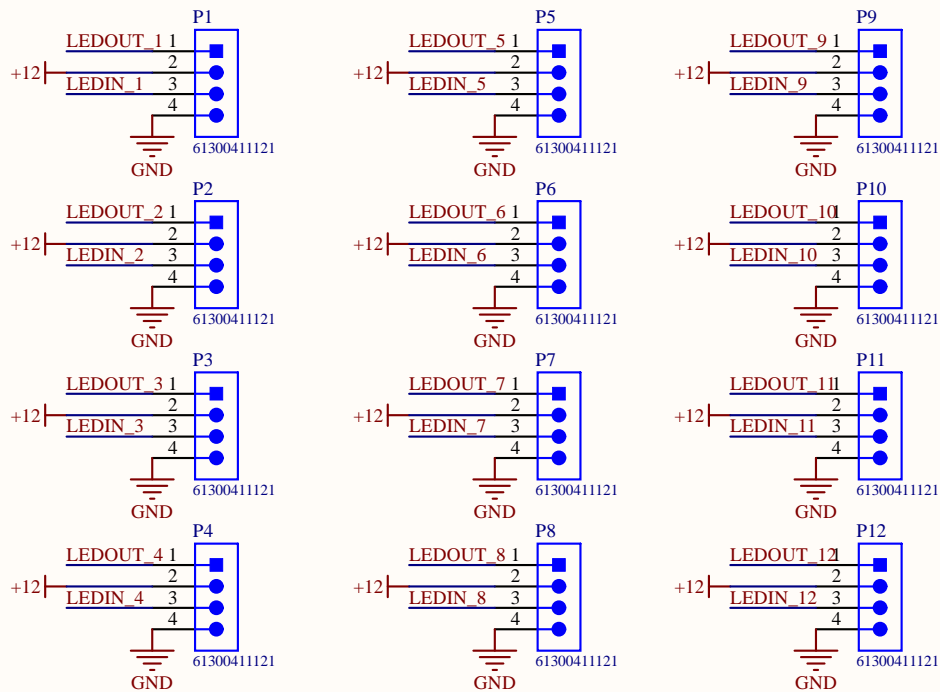
COMPARATOR CIRCUIT

Note: use 1.2k and 4.3k resistors. Placeholders are used for footprints.

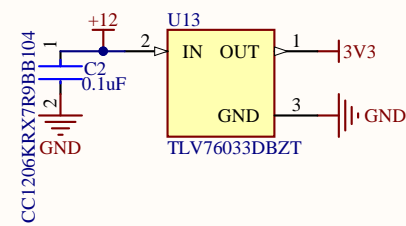


Title		
LED PCB - LoopMaster		
Size	Number	Revision
A		v2
Date:	5/12/2020	Sheet 1 of 2
File:	D:\Users\...\Sheet2.SchDoc	Drawn By: Neil Katahira

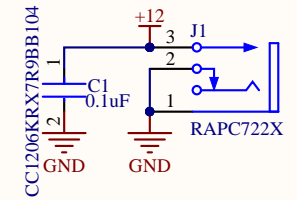
I/O PINS



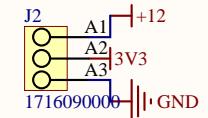
3V3 VOLTAGE REG



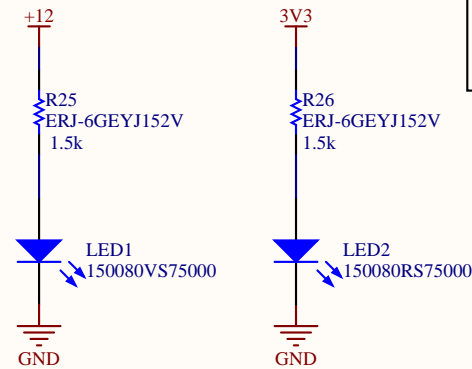
12VDC BARREL



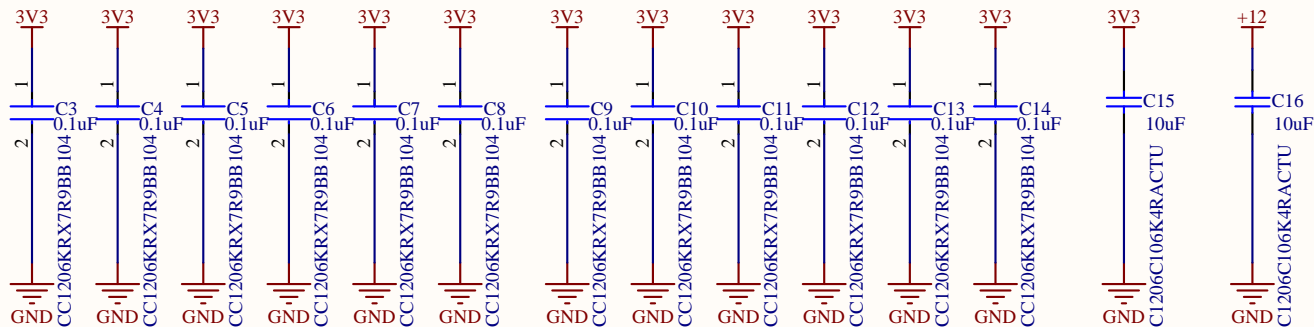
SCREW TERMINAL



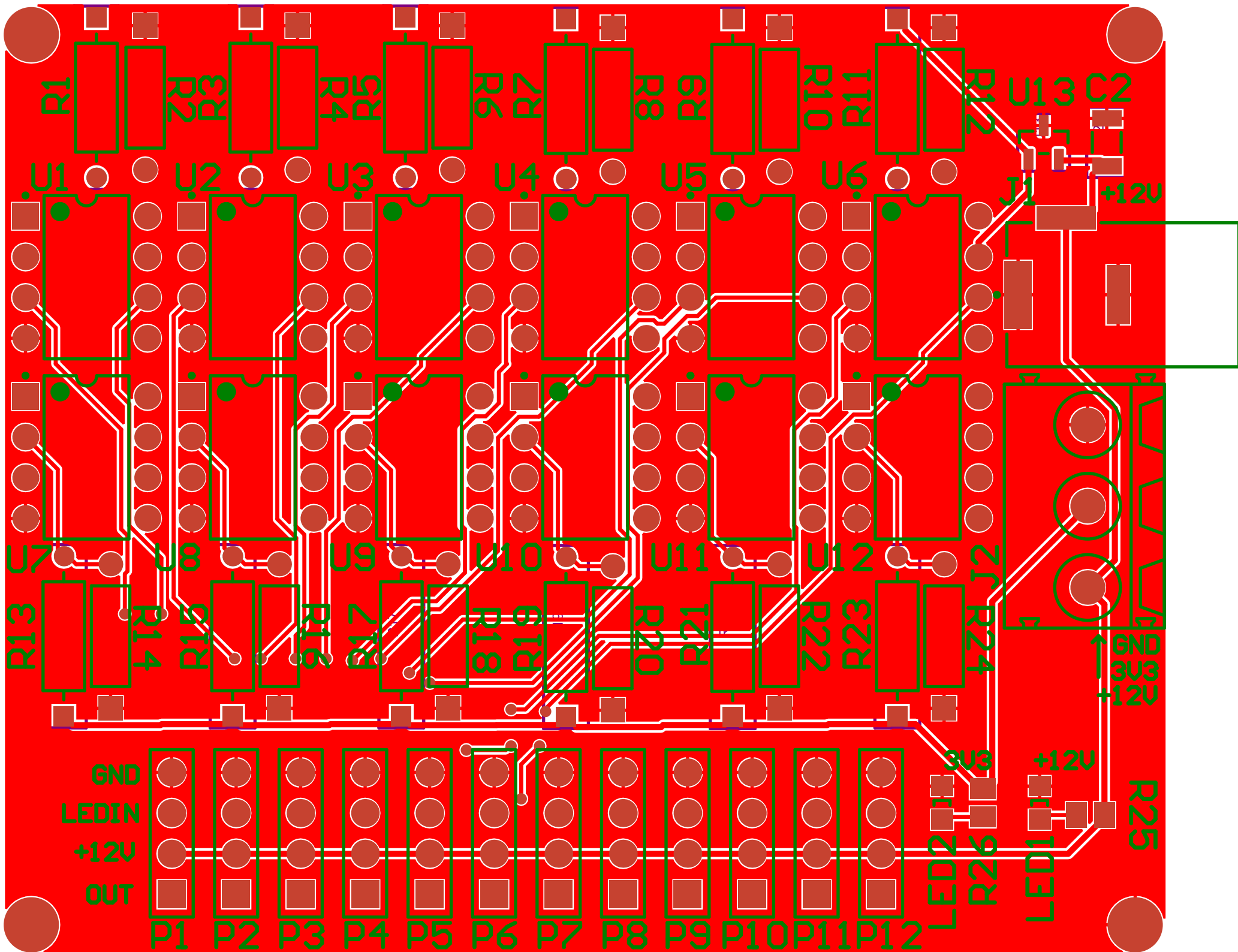
TEST LED



CAPACITORS



Title		
LED PCB - LoopMaster		
Size	Number	Revision
A		v2
Date:	5/12/2020	Sheet 2 of 2
File:	D:\Users\...\Sheet4.SchDoc	Drawn By: Neil Katahira



EE-Emerge 2020
LoopMaster
Drum Pad
LED PCB v2
Engineered by:
Neil Katahira

C1

83

C9

23

C10

93

C11

53

C12

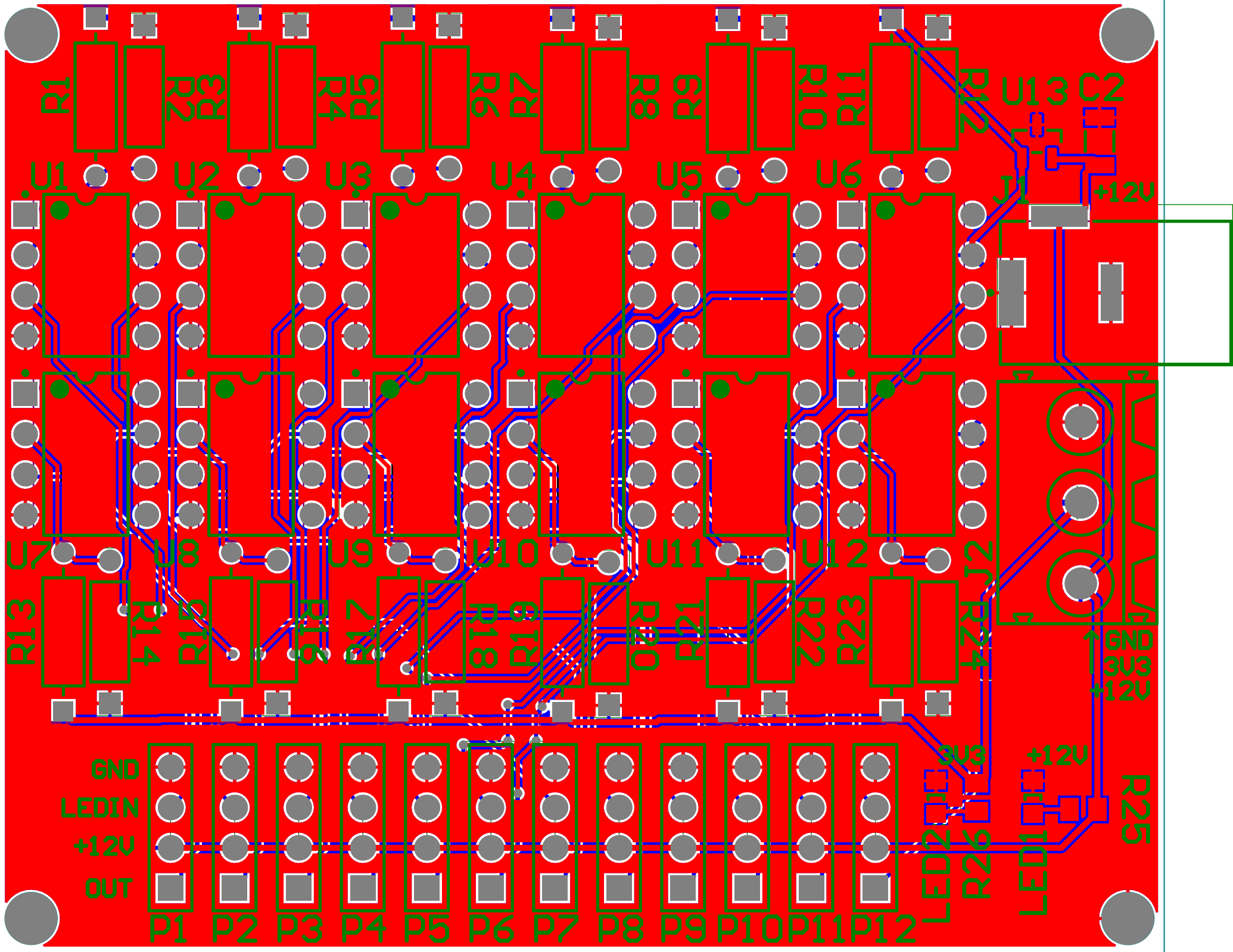
43

C13

33

C14

C15
913



Comment	Description	Designator	Footprint	LibRef	Quantity
CC1206KRX7R9BB104	CAP CER 0.1UF 50V X	C1, C2, C3, C4, C5, C	FP-CC1206-1_25-MFG	CMP-03422-000842-1	14
C1206C106K4RACTU	CAP, Ceramic, 10 uF,	C15, C16	CAPC3216X180X50M	CMP-1664-00006-1	2
RAPC722X	Power Jack, 5 A, 3-Pi	J1	SWITCH-RAPC712X-3	CMP-2000-05384-1	1
1716090000	OMNIMATE Signal - se	J2	LM_5_08_90_03	CMP-1559-01768-1	1
150080VS75000	SMD mono-color Chip	LED1	0805_A	CMP-1426-00009-1	1
150080RS75000	SMD mono-color Chip	LED2	0805_A	CMP-1426-00011-1	1
61300411121	THT Vertical Pin Head	P1, P2, P3, P4, P5, P6	61300411121	CMP-1502-01064-1	12
MFR-25FBF52-1K18	RES 1.18K OHM 1/4W	R1, R3, R5, R7, R9, R	FP-MFR-25-MFG	CMP-03413-000001-1	12
MFR-25FBF52-4K75	Axial Resistor, 4.75 K	R2, R4, R6, R8, R10,	RESA60-630X240	CMP-1659-00066-1	12
ERJ-6GEYJ152V		R25, R26	RESC2013X70X40NL2	CMP-2001-00355-1	2
LM741CN/NOPB	Operational Amplifier,	U1, U2, U3, U4, U5, U	P0008A	CMP-0055-00162-3	12
TLV76033DBZT	IC REG LINEAR 3.3V 1	U13	FP-DBZ0003A-MFG	CMP-04917-000033-1	1