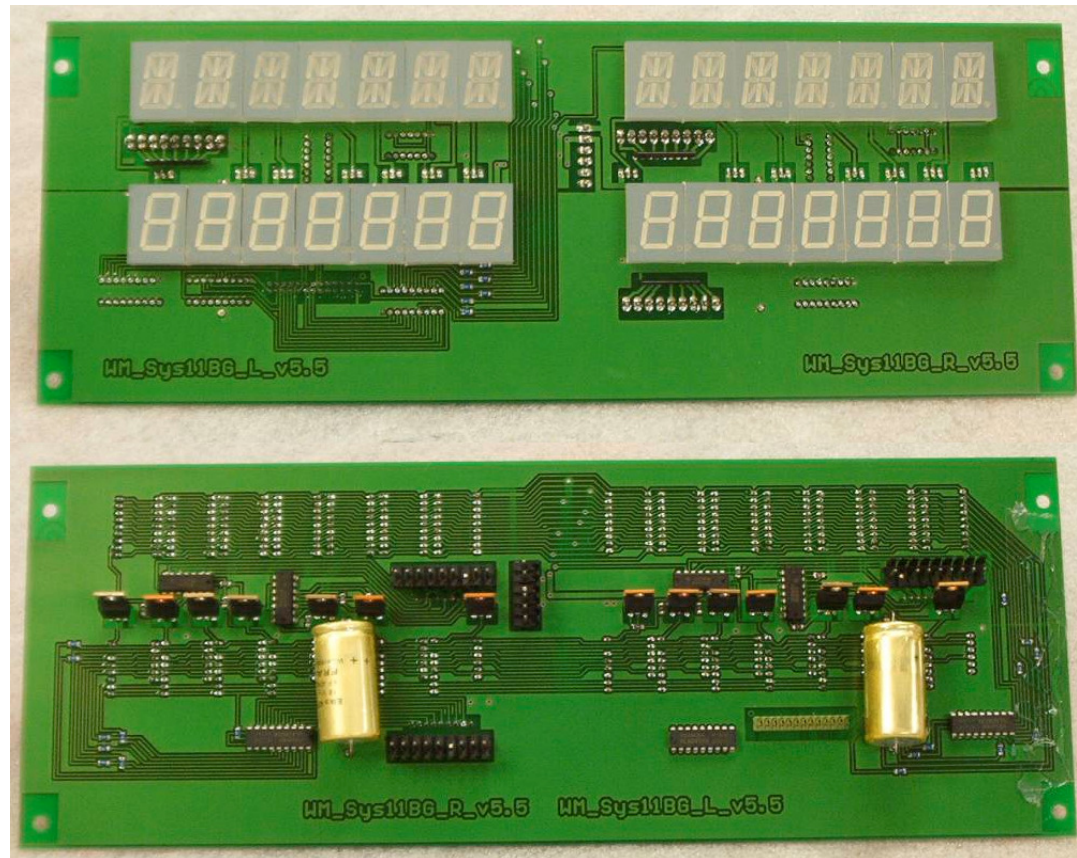


Pinball LED-Displays

Replacement for Williams System 11 pinballs (type A, v6)

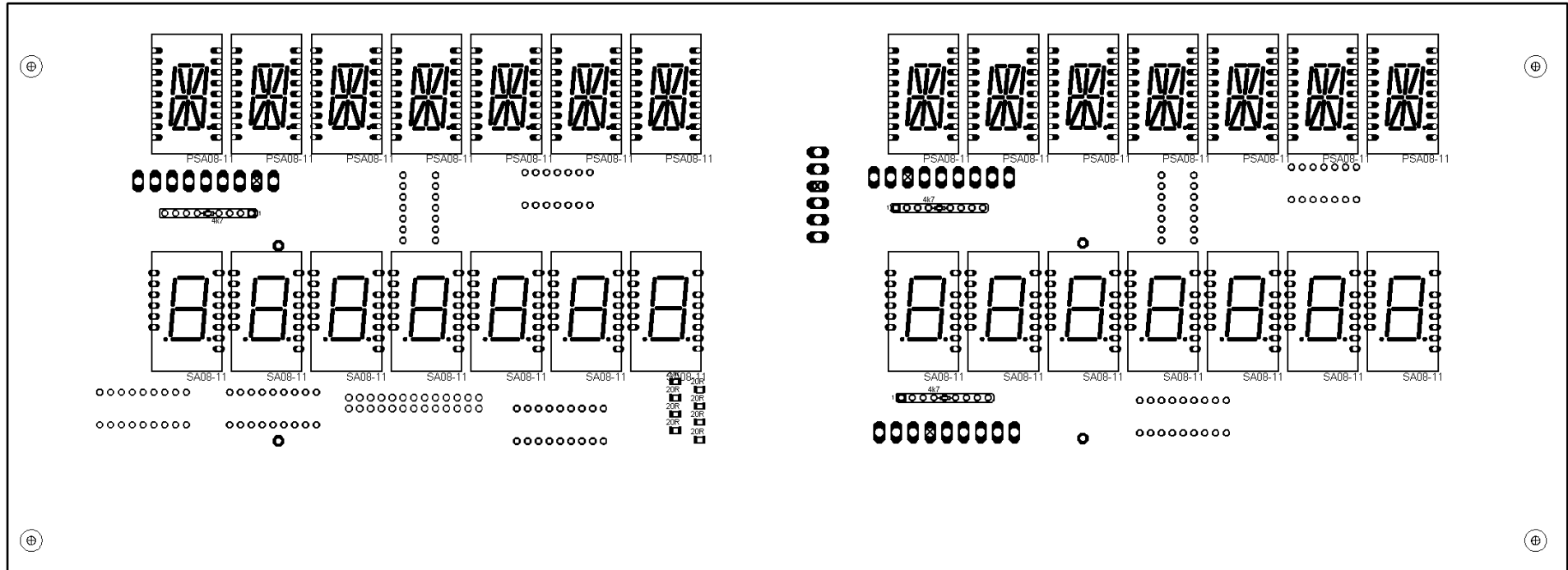


pictures of version 5.5, version v6 is slightly different

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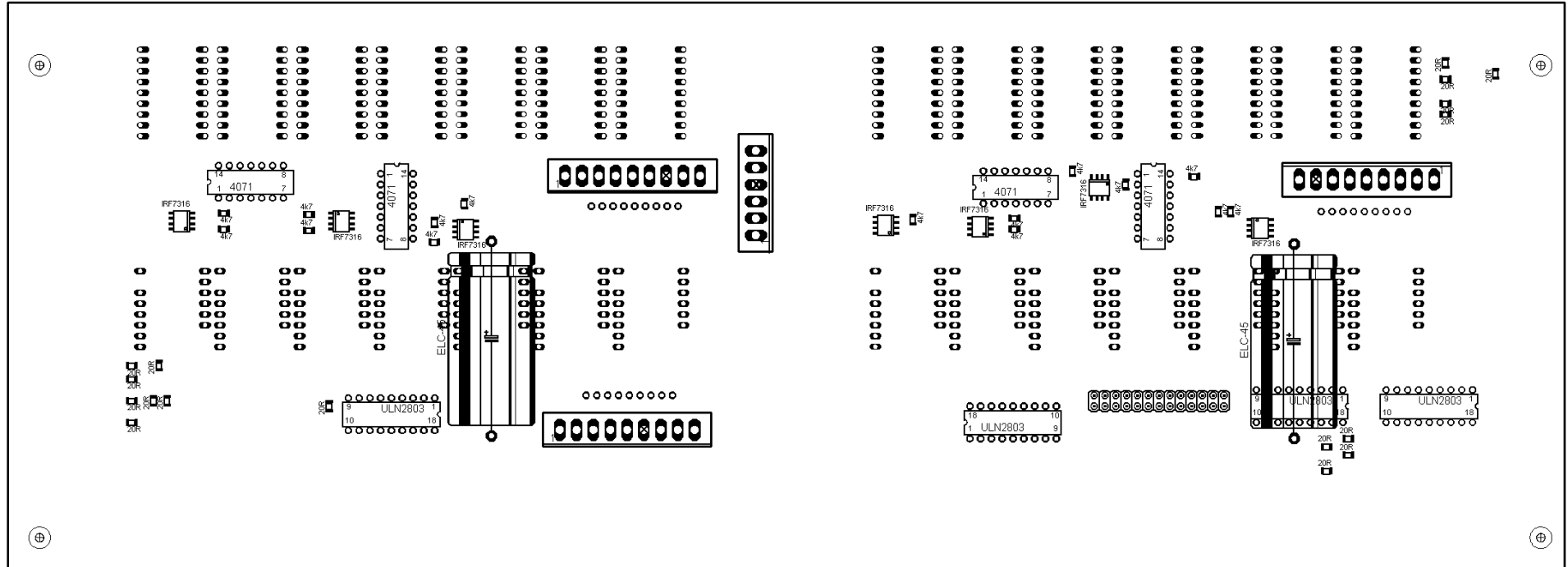
Williams System 11 type A v6 placement plan and part list

1. front side



Number	Description	manufacturer	order number	Comment
8	resistor 20R, SMD 1206	div.	Reichelt: SMD 1/4W 20	
3	resistor network, 4k7 (8 resistors)	div.	Reichelt: SIL 9-8 4,7k	pin 1 marked
14	LED-display 20mm, alphanum., common anode	Kingbright PSA08-11SRWA	Reichelt: PSA 08-11rt	for #2-#7 and #9-#14: abrade carefully approx. 1-1.5mm from left side
14	LED-display 20mm, num., common anode	Kingbright SA08-11SRWA	Reichelt SA 08-11rt	for #2-#7 and #9-#14: abrade carefully approx. 1-1.5mm from left side

2. back side



Number	Description	Manufacturer	order number	Comment
17	resistor 20R, SMD 1206	div.	Reichelt: SMD 1/4W 20	
15	resistor 4k7, SMD 1206	div.	Reichelt: SMD 1/4W 4,7k	
4	Logic IC 4071, wired	div.	Reichelt: MOS 4071	pin 1 marked
4	Driver IC ULN2803A	UTC, ST	Reichelt: ULN 2803A	pin 1 marked
7	Dual FET IRF7316, SMD	International Rectifier	Reichelt: IRF 7316	pin 1 marked
1	Pinheader 2X13, male, straight	div.	Reichelt: SL 2x13G 2,54	When connecting cable: install marked line in direction of circle!
3	Pinheader 0,156", 9-pin	Molex	Rsonline: 1733048 (5x24pin)	remove marked pin, consider rotation!
1	Pinheader 0,156", 6-pin	Molex	Rsonline: 1733048 (5x24pin)	remove marked pin, consider rotation!
2	Elko 4700u, 16V	div.	Reichelt: ax 4.700/16	install as last part, consider polarity!

distributors:

1. Reichelt Elektronik
Elektronikring 1
26452 Sande
www.reichelt.de

2. RS Components GmbH
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