

Create Flexible Scenes for Look and Design Iterations

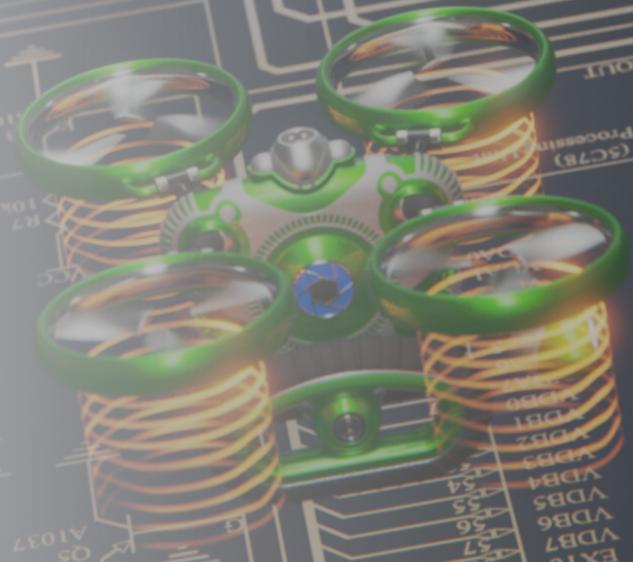
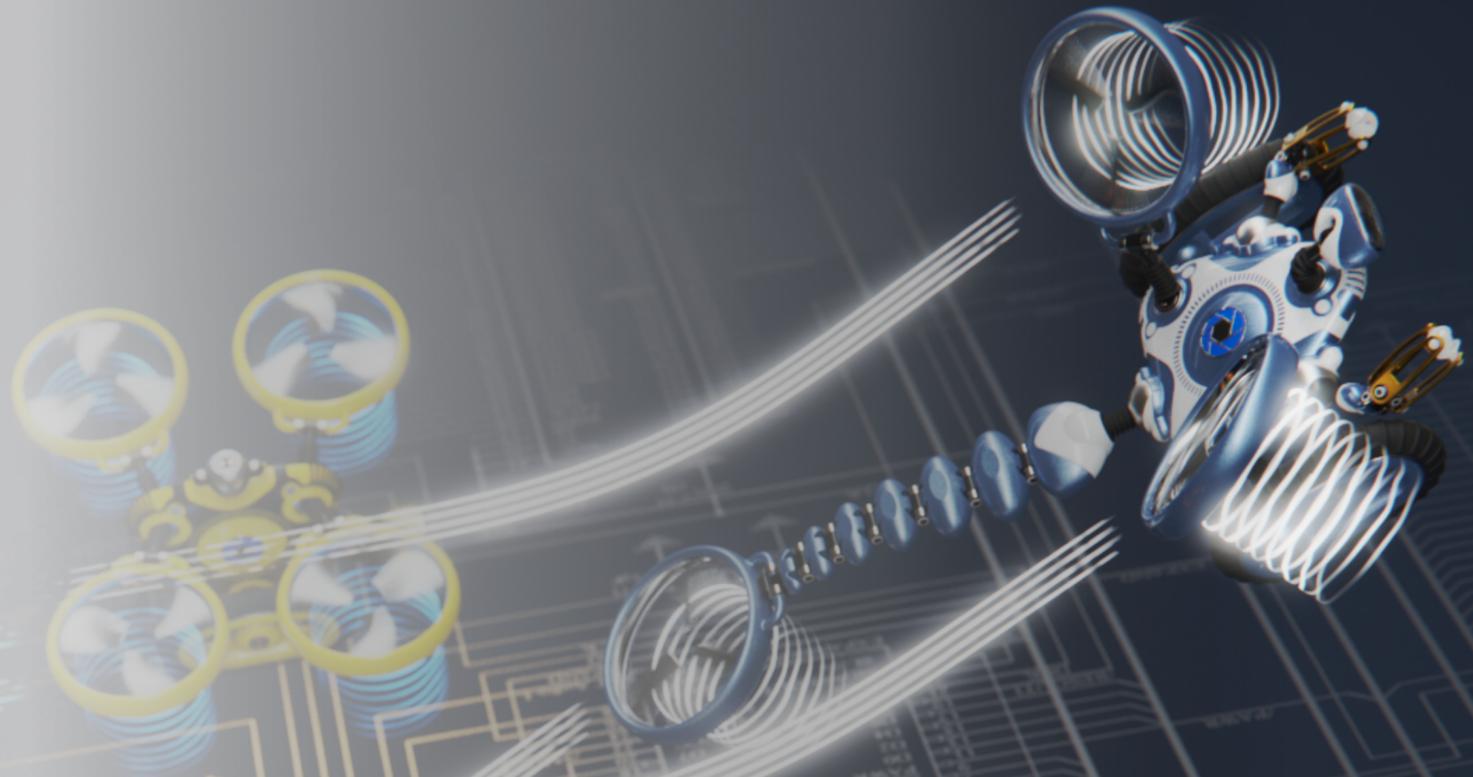
March 7, 2019

Dries Vervoort



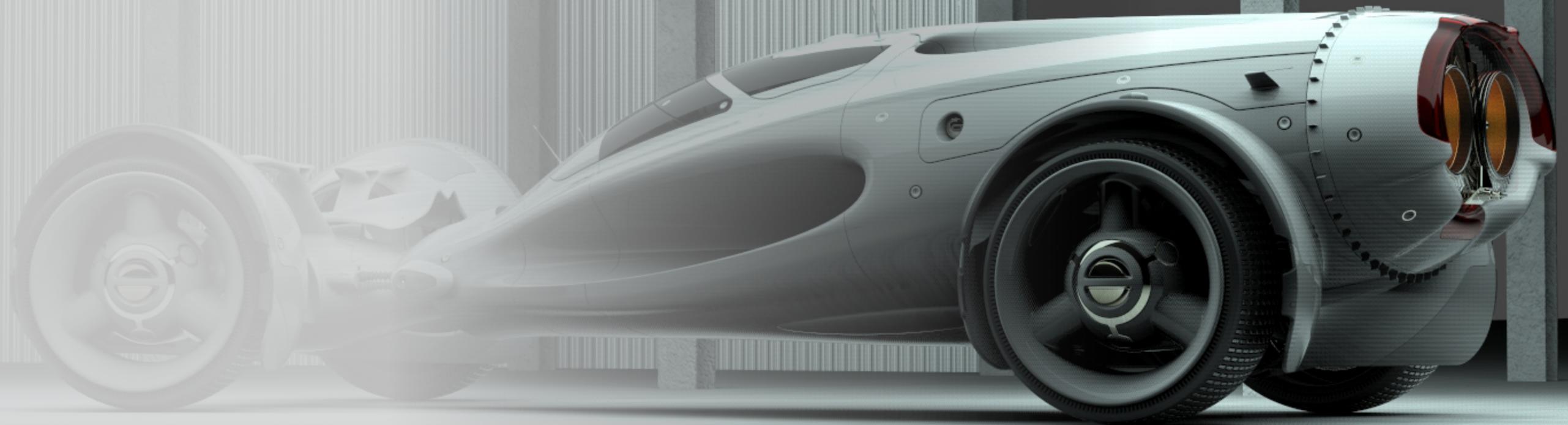
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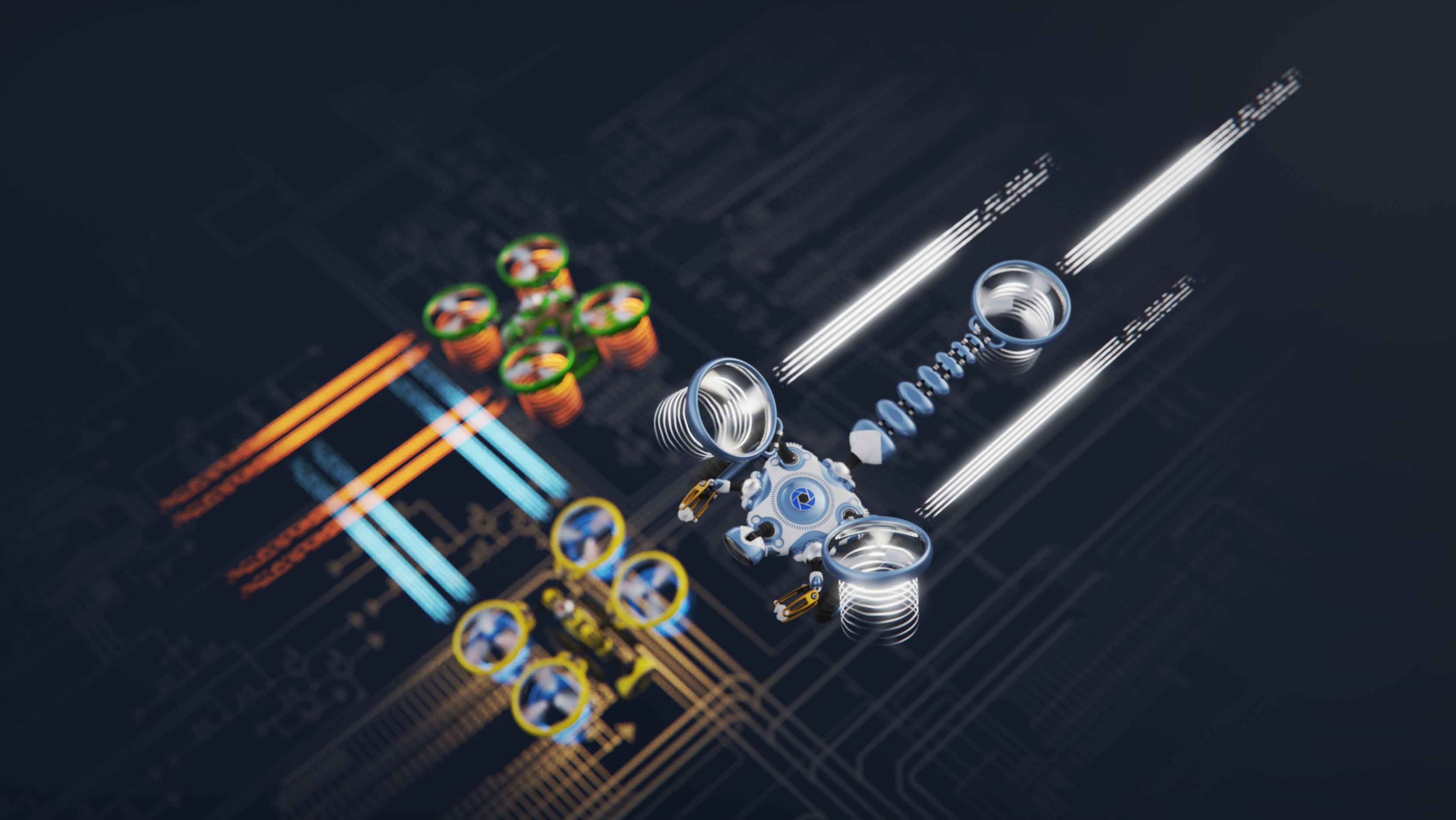
Models provided by Simon Williamson (Row Zero)

www.row-zero.com



Model Sets

Controlling model states



Multi-Materials

Material variations and combinations



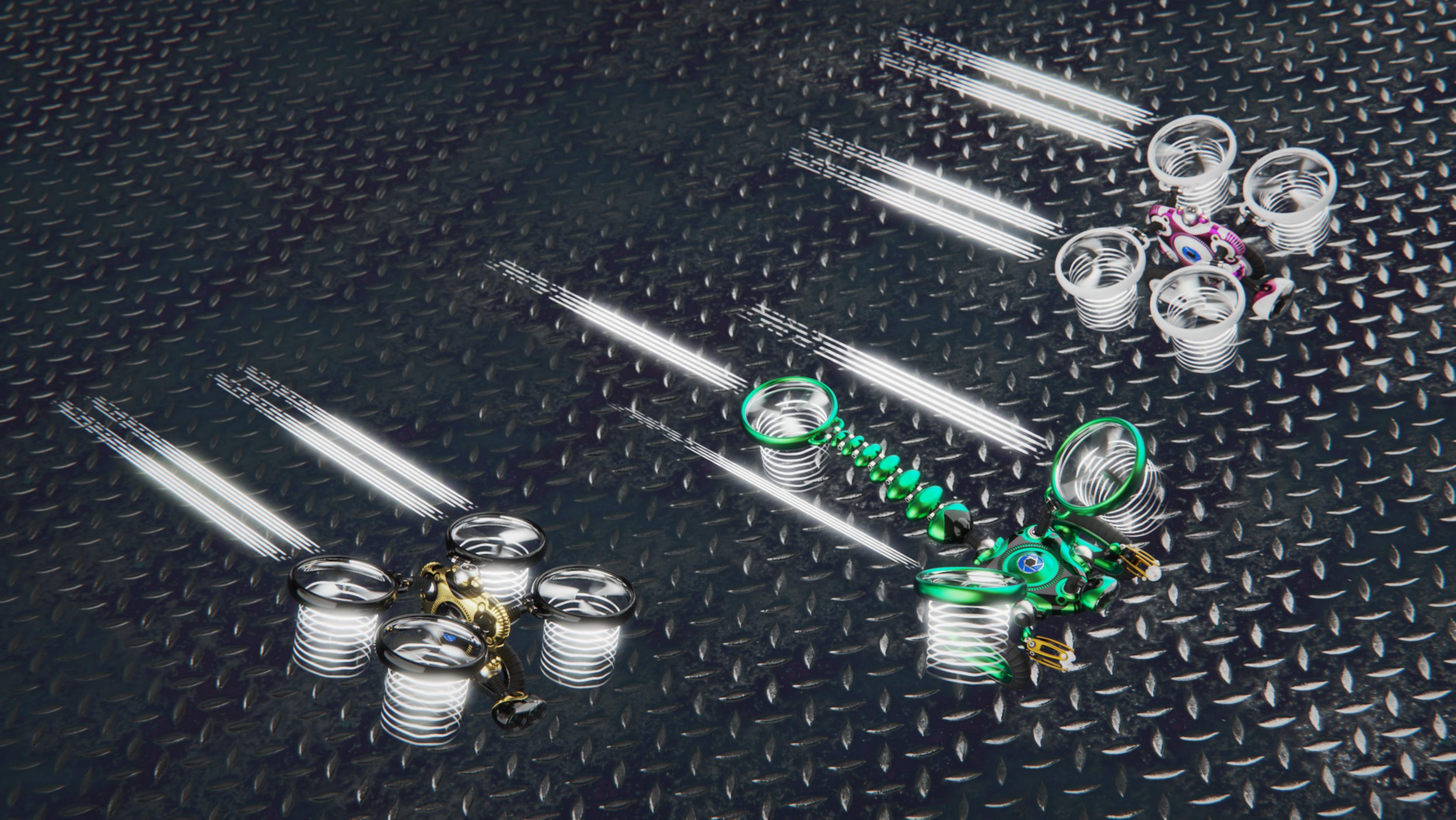
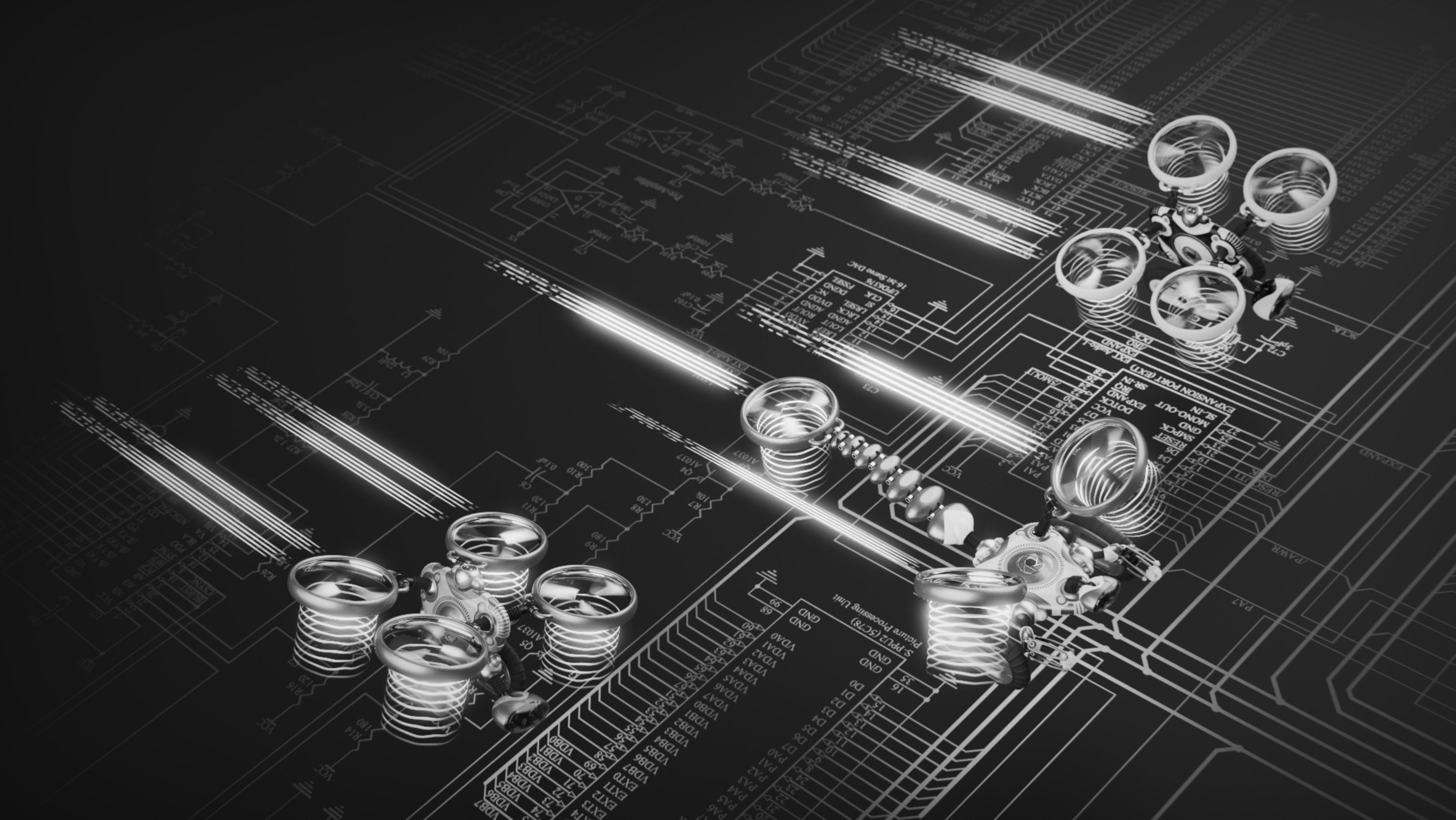


Image Styles

Quick image variations



Picture Processing Unit	
35	GND
36	GND
37	GND
38	GND
39	GND
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41	GND
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97	GND
98	GND
99	GND

S-PPU2 (5CT8)	
1	EXT1
2	EXT2
3	EXT3
4	EXT4
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99	EXT99
100	EXT100

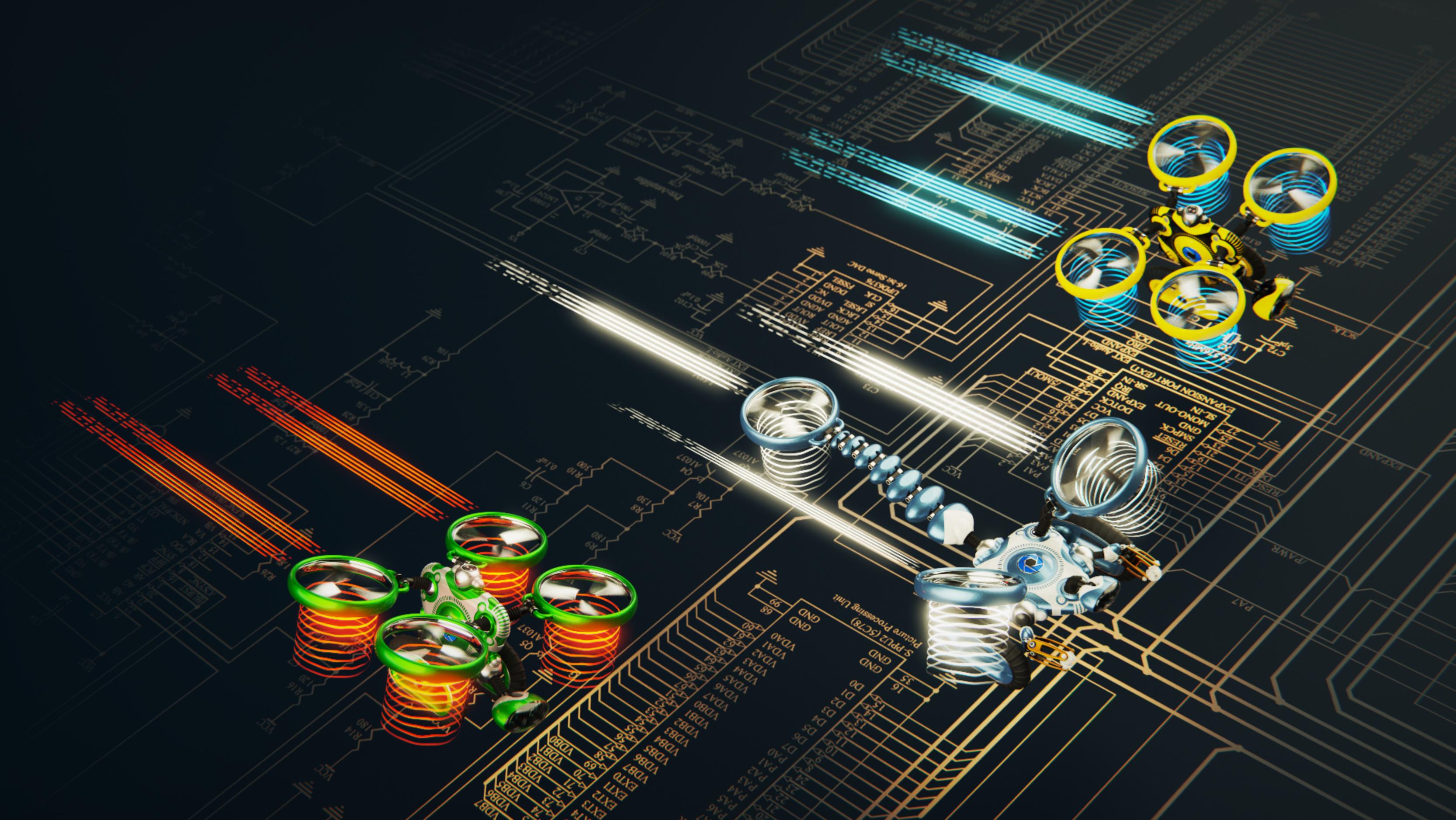
EXPANSION PORT (EXT)	
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2	EXT2
3	EXT3
4	EXT4
5	EXT5
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10	EXT10
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100	EXT100

EXPANSION PORT (EXT)	
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EXPANSION PORT (EXT)	
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99	EXT99
100	EXT100

EXPANSION PORT (EXT)	
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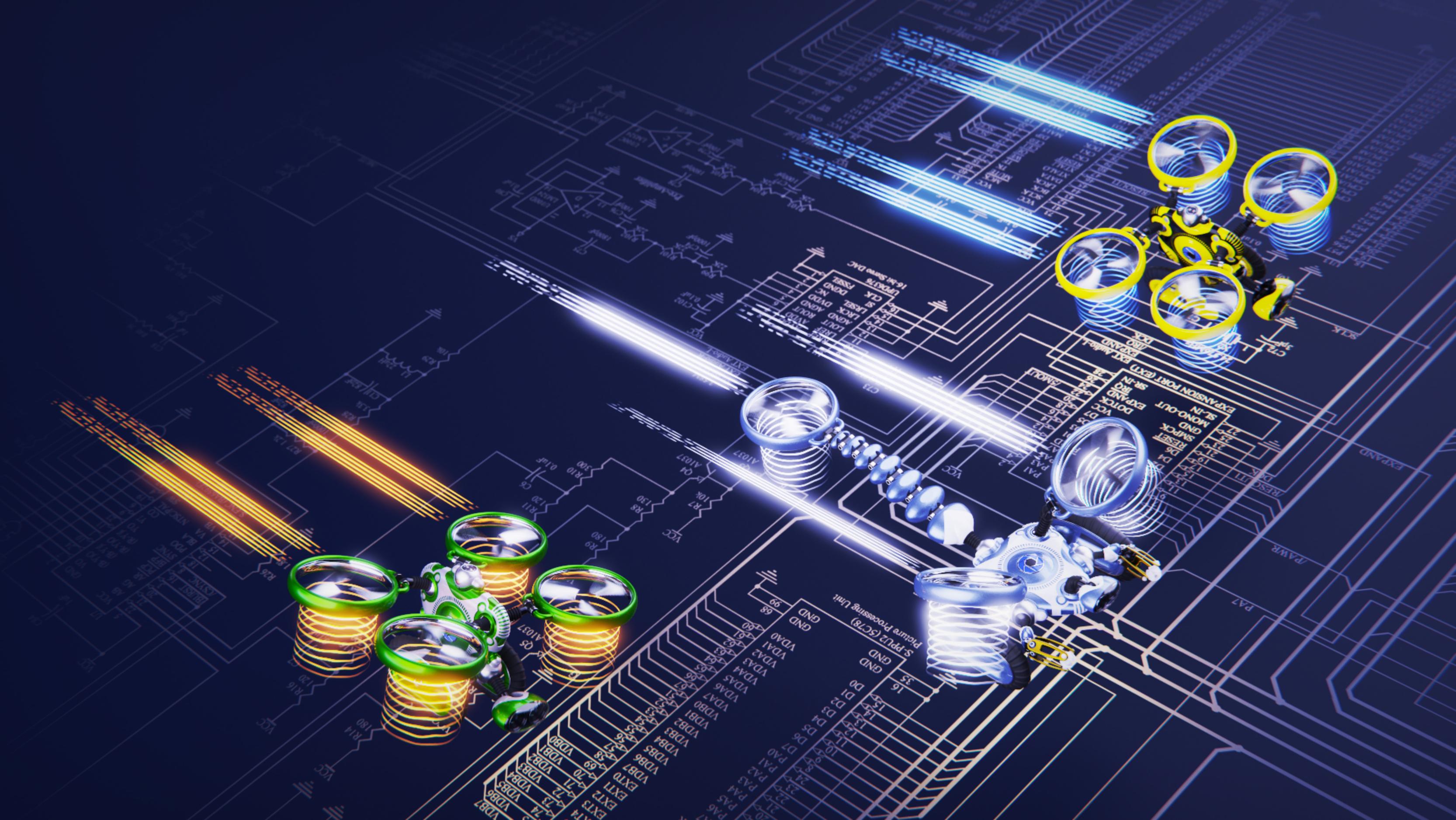
EXPANSION PORT (EXT)	
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63	EXT63
64	EXT64
65	EXT65
66	EXT66
67	EXT67
68	EXT68
69	EXT69
70	EXT70
71	EXT71
72	EXT72



Pin	Signal
1	16-bit Stereo DAC
2	PSSEL
3	CLK
4	DVDD
5	ST
6	LRCK
7	DVDD
8	LRCK
9	AGND
10	AGND
11	LRCK
12	LRCK
13	LRCK
14	LRCK
15	LRCK
16	LRCK
17	LRCK
18	LRCK
19	LRCK
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91	LRCK
92	LRCK
93	LRCK
94	LRCK
95	LRCK
96	LRCK
97	LRCK
98	LRCK
99	LRCK
100	LRCK

Pin	Signal
1	EXPAND
2	EXPAND
3	EXPAND
4	EXPAND
5	EXPAND
6	EXPAND
7	EXPAND
8	EXPAND
9	EXPAND
10	EXPAND
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13	EXPAND
14	EXPAND
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89	EXPAND
90	EXPAND
91	EXPAND
92	EXPAND
93	EXPAND
94	EXPAND
95	EXPAND
96	EXPAND
97	EXPAND
98	EXPAND
99	EXPAND
100	EXPAND

Pin	Signal
1	S-PPU2 (5CT8)
2	GND
3	GND
4	GND
5	GND
6	GND
7	GND
8	GND
9	GND
10	GND
11	GND
12	GND
13	GND
14	GND
15	GND
16	GND
17	GND
18	GND
19	GND
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91	GND
92	GND
93	GND
94	GND
95	GND
96	GND
97	GND
98	GND
99	GND
100	GND



16-bit Stereo DAC

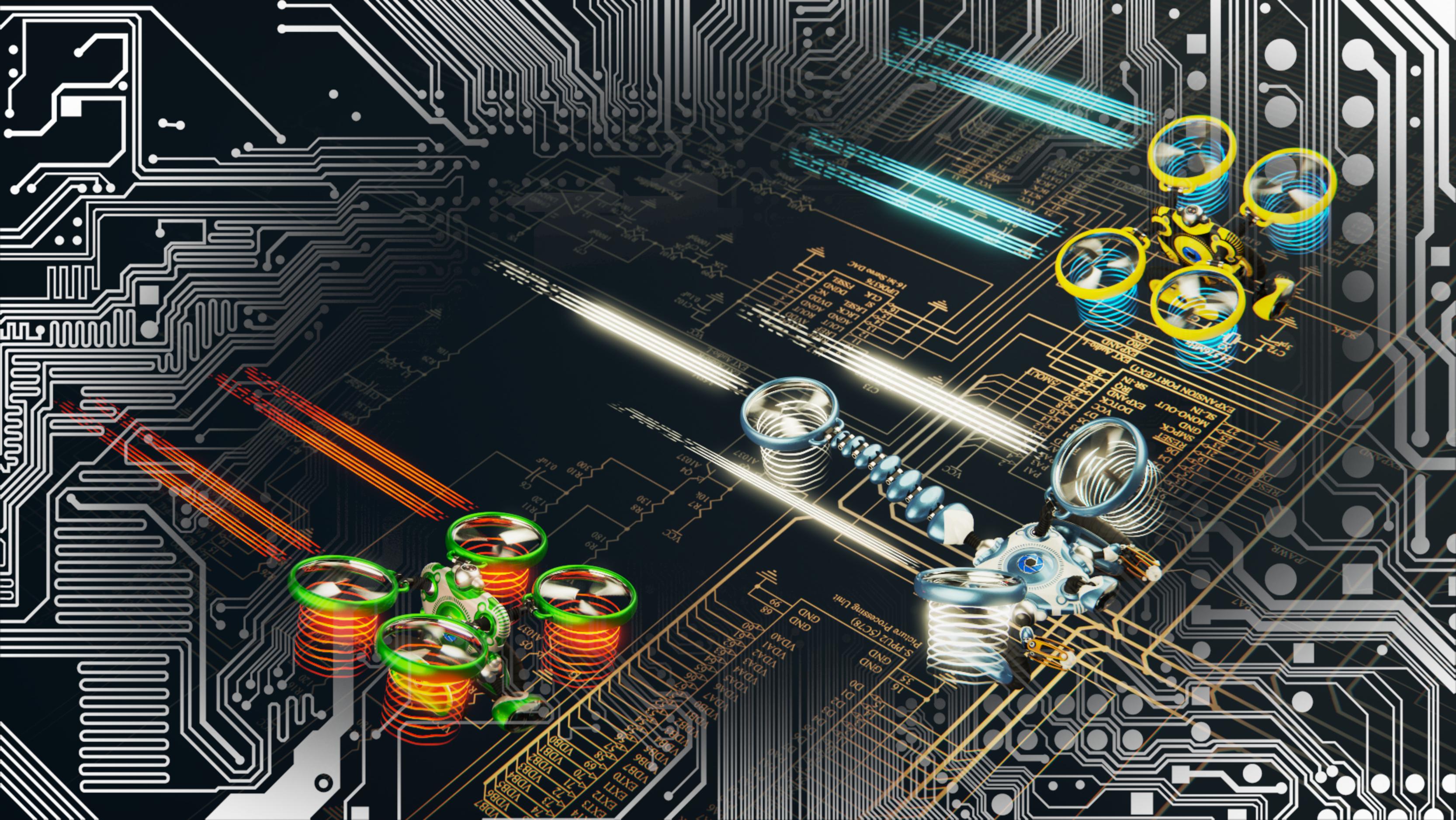
1	FSRSEL
2	FSRSEL
3	CLK
4	DVDD
5	LRCK
6	LRCK
7	LRCK
8	LRCK
9	LRCK
10	LRCK
11	LRCK
12	LRCK
13	LRCK
14	LRCK
15	LRCK
16	LRCK
17	LRCK
18	LRCK
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93	LRCK
94	LRCK
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96	LRCK
97	LRCK
98	LRCK
99	LRCK
100	LRCK

EXPANSION PORT (EXT)

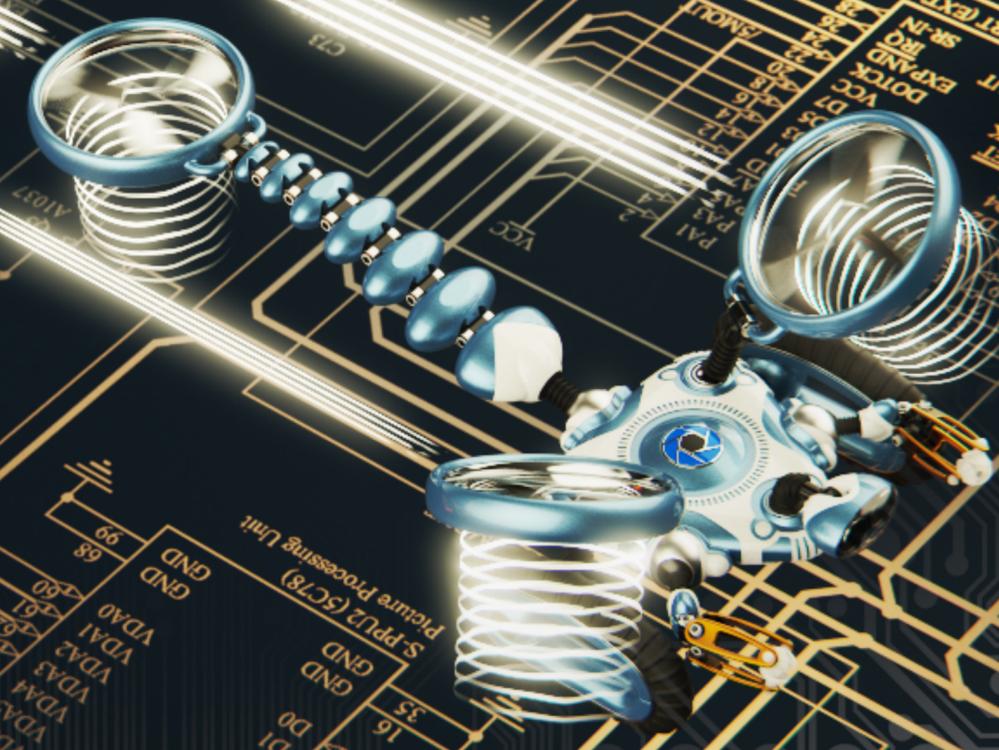
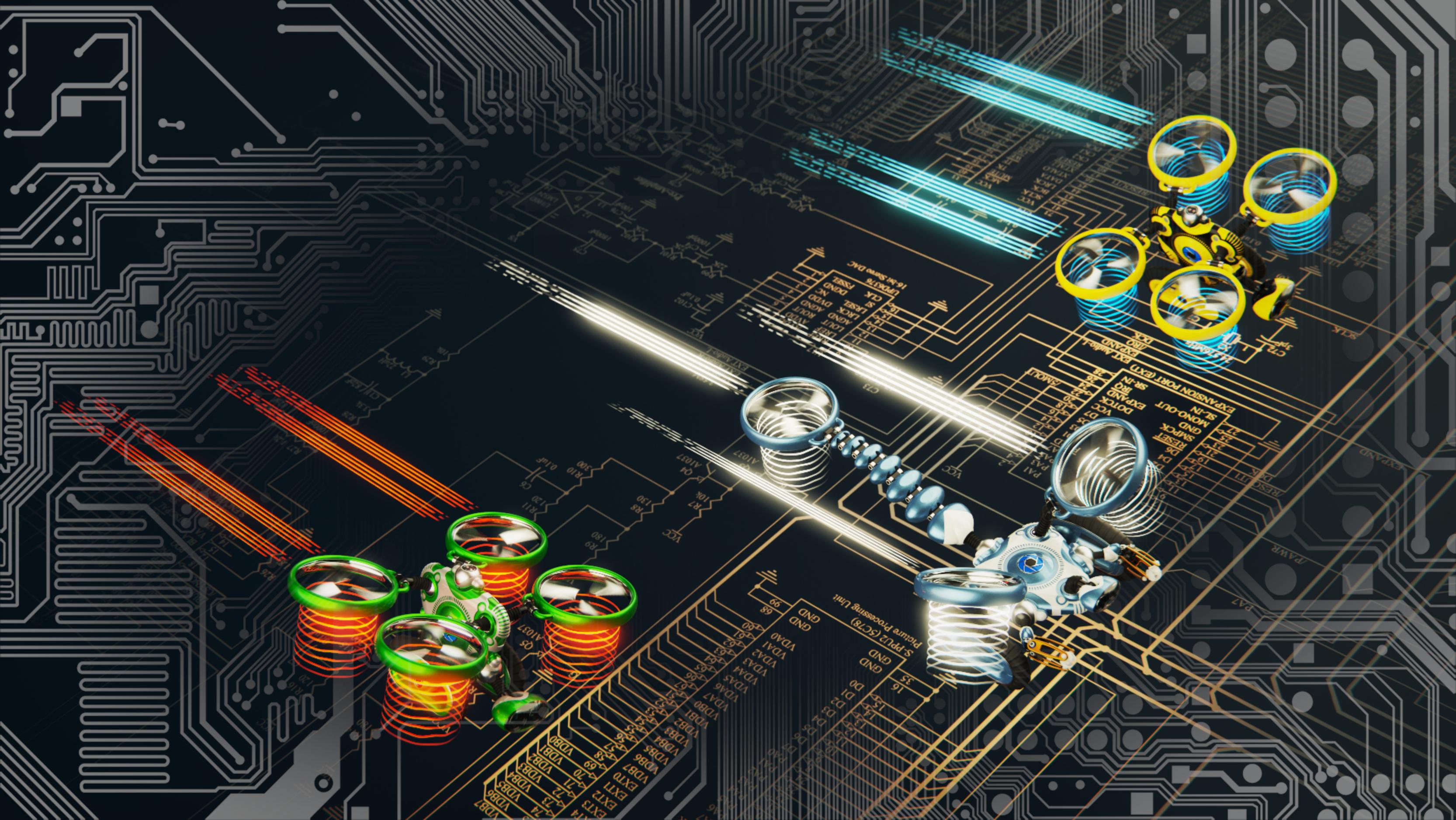
1	EXPAND
2	EXPAND
3	EXPAND
4	EXPAND
5	EXPAND
6	EXPAND
7	EXPAND
8	EXPAND
9	EXPAND
10	EXPAND
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12	EXPAND
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92	EXPAND
93	EXPAND
94	EXPAND
95	EXPAND
96	EXPAND
97	EXPAND
98	EXPAND
99	EXPAND
100	EXPAND

S-PPU2 (SCT8) Picture Processing Unit

1	GND
2	GND
3	GND
4	GND
5	GND
6	GND
7	GND
8	GND
9	GND
10	GND
11	GND
12	GND
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97	GND
98	GND
99	GND
100	GND



Picture Processing Unit	
16	GND
17	D0
18	D1
19	D2
20	D3
21	D4
22	D5
23	D6
24	D7
25	MONO-OUT
26	EXPAND
27	SR-IN
28	EXPAND
29	EXPAND
30	EXPAND
31	EXPAND
32	EXPAND
33	EXPAND
34	EXPAND
35	GND
36	GND
37	GND
38	GND
39	GND
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99	GND
100	GND

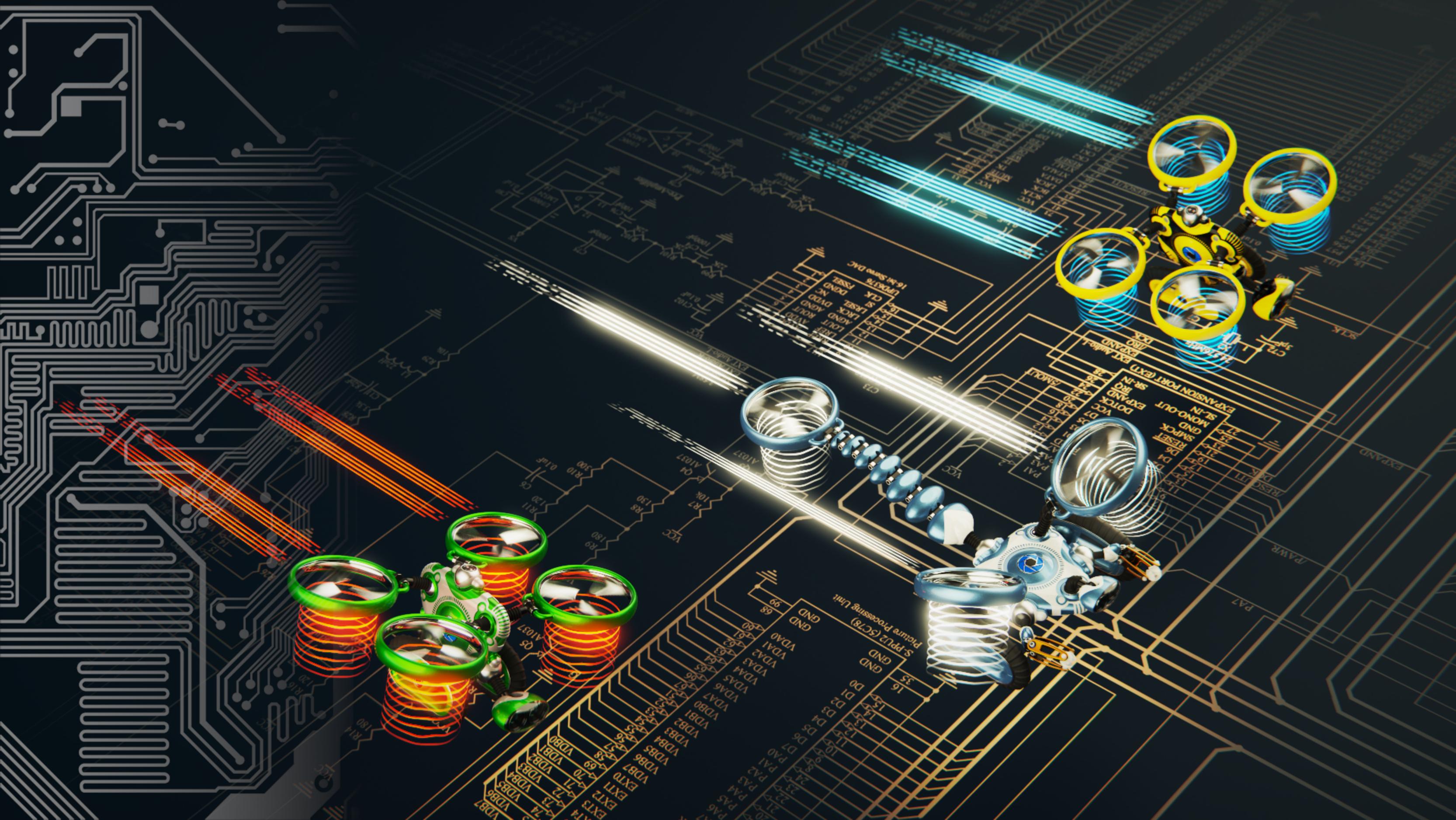


16-bit Stereo DAC	
1	PSSEL
2	DEND NC
3	CLK
4	SI
5	LABEL
6	LD
7	AGND
8	AGND
9	AGND
10	AGND
11	AGND
12	AGND
13	AGND
14	AGND
15	AGND
16	AGND
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29	AGND
30	AGND
31	AGND
32	AGND

EXPANSION PORT (EXT)	
1	EXPAND
2	EXPAND
3	EXPAND
4	EXPAND
5	EXPAND
6	EXPAND
7	EXPAND
8	EXPAND
9	EXPAND
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29	EXPAND
30	EXPAND
31	EXPAND
32	EXPAND

S-PPU2 (GCT8) Picture Processing Unit	
1	GND
2	GND
3	GND
4	GND
5	GND
6	GND
7	GND
8	GND
9	GND
10	GND
11	GND
12	GND
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30	GND
31	GND
32	GND

EXPANSION PORT (EXT)	
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26	EXPAND
27	EXPAND
28	EXPAND
29	EXPAND
30	EXPAND
31	EXPAND
32	EXPAND



18-bit Stereo DAC	
1	FSSEL
2	FSSEL
3	CLK
4	SI
5	LSSEL
6	LSSEL
7	AGND
8	AGND
9	AGND
10	AGND
11	AGND
12	AGND
13	AGND
14	AGND
15	AGND
16	AGND
17	AGND
18	AGND
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98	AGND
99	AGND
100	AGND

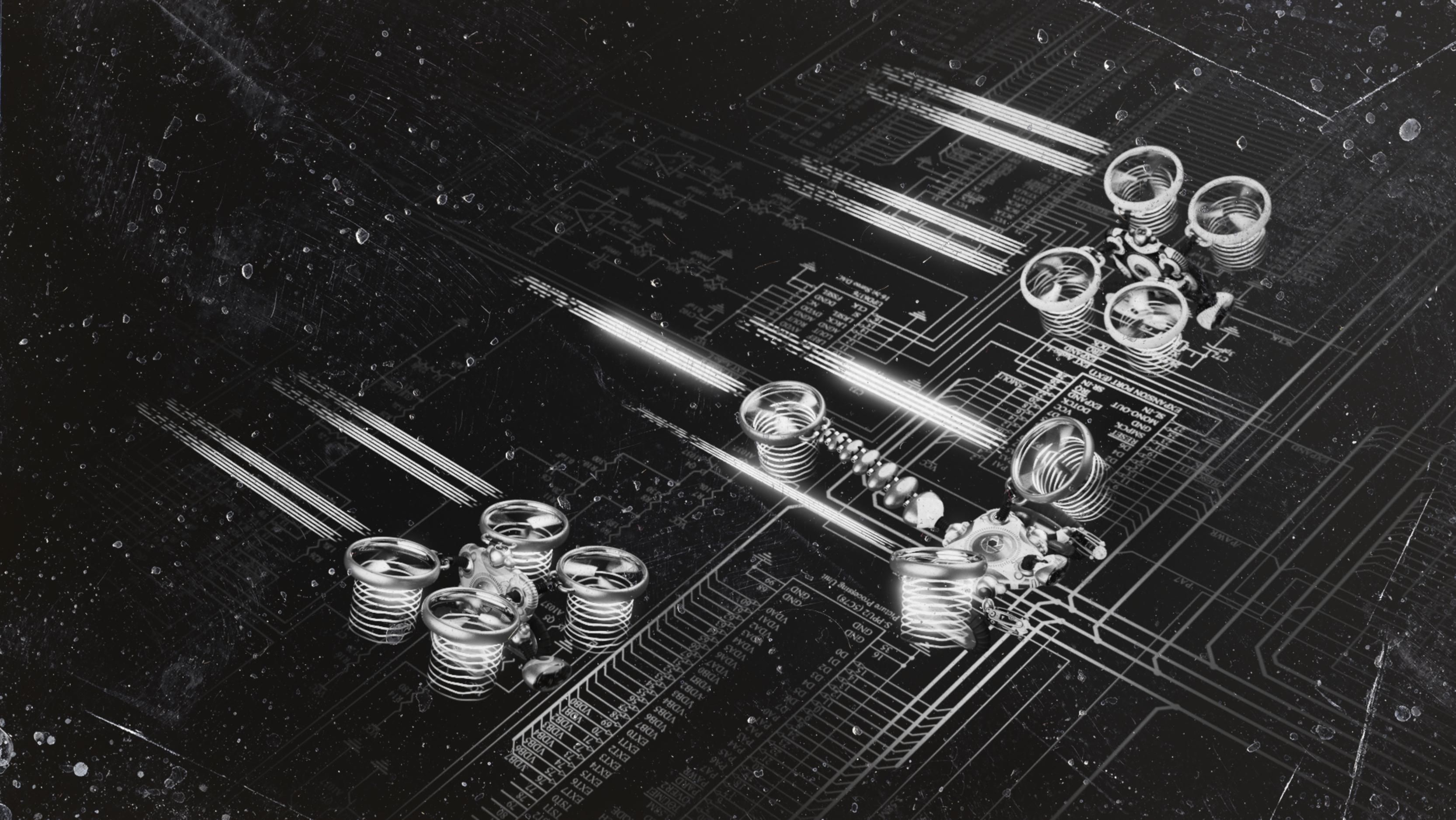
EXPANSION PORT (EXT)	
1	EXPAND
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98	EXPAND
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100	EXPAND

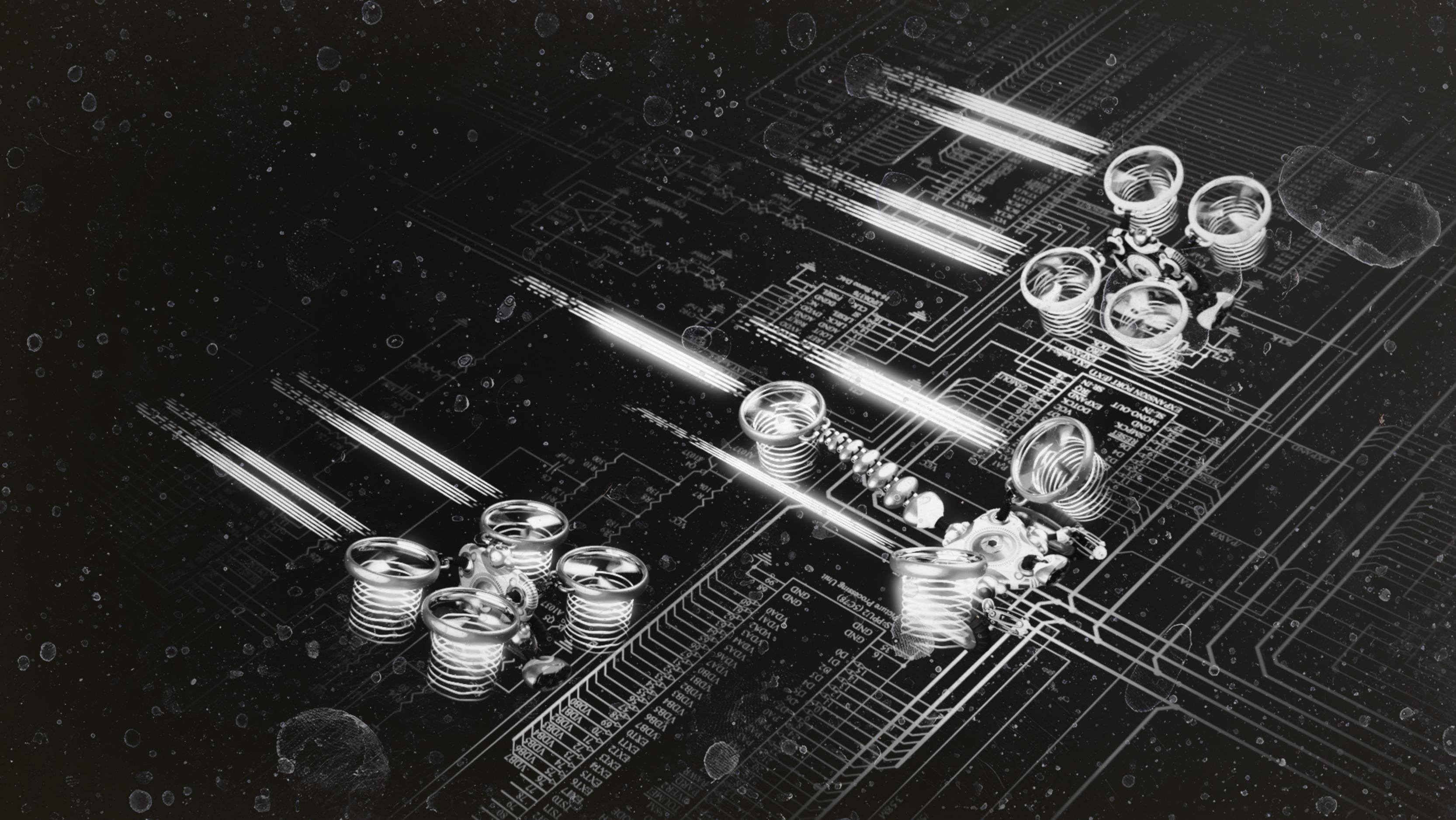
S-PPU2 (GCT8) Picture Processing Unit	
1	GND
2	GND
3	GND
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8	GND
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KeyShot Webinar

Create Flexible Scenes for Look and Design Iterations







EXPANSION PORT (EXT)
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MONO OUT
MONO IN
GND
SWICK
RESET
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Picture Processing Unit
GND 59
VDA0 58
VDA1 57
VDA2 56
VDA3 55
VDA4 54
VDA5 53
VDA6 52
VDA7 51
VDA8 50
VDA9 49
VDA0 48
VDA1 47
VDA2 46
VDA3 45
VDA4 44
VDA5 43
VDA6 42
VDA7 41
VDA8 40
VDA9 39
VDA0 38
VDA1 37
VDA2 36
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VDA9 9
VDA0 8
VDA1 7
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Hands-on