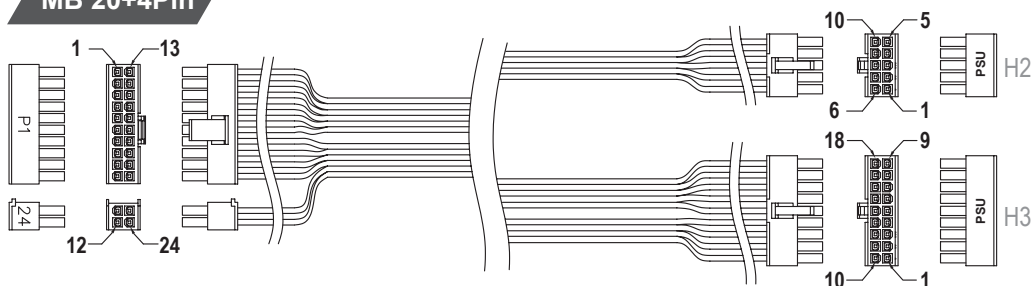


# Appendix: Instruction of Pin-outs

## MB 20+4Pin



H1

PIN	Rating
1	+3.3V
2	+3.3Vs
3	+3.3V
4	COM
5	+5V
6	COM
7	+5V
8	+5Vs
9	COM

PIN	Rating
10	PW_OK
11	+5Vsb
12	+12V
13	+12Vs
14	+12V
15	+3.3V
16	+3.3V
17	+3.3V
18	+3.3V
19	+3.3V
20	+3.3V
21	+3.3V
22	+3.3V
23	+3.3V
24	+3.3V

PIN	Rating
16	PS_ON
17	COM
18	COM
19	COM
20	NC
21	+5V
22	+5V
23	+5V
24	COM

H2

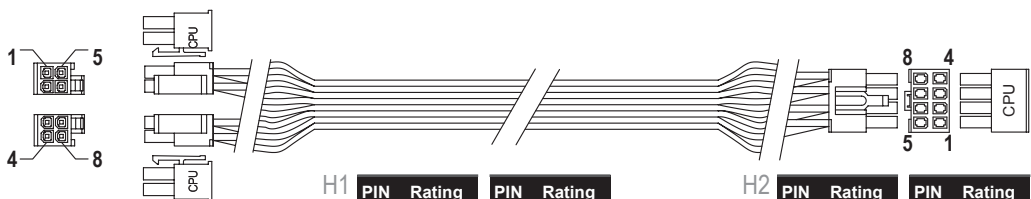
PIN	Rating
1	+3.3V
2	+3.3V
3	+3.3V
4	COM
5	COM
6	+3.3V
7	+12V
8	+12V
9	-12V
10	COM

H3

PIN	Rating
1	PS_ON
2	+3.3Vs
3	+5Vs
4	+12Vs
5	+5Vs
6	+5V
7	+5V
8	COM
9	COM

PIN	Rating
10	PW_OK
11	+5Vsb
12	COM
13	COM
14	+5V
15	+5V
16	COM
17	COM
18	COM

## CPU 4+4Pin



H1

PIN	Rating
1	COM
2	COM
3	COM
4	COM

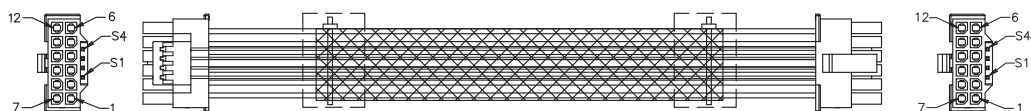
PIN	Rating
5	+12V
6	+12V
7	+12V
8	+12V

H2

PIN	Rating
1	COM
2	COM
3	COM
4	COM

PIN	Rating
5	+12V
6	+12V
7	+12V
8	+12V

## PCI-e 12+4Pin



H1

PIN	Rating
1	+12V
2	+12V
3	+12V
4	+12V
5	+12V
6	+12V
7	COM
8	COM

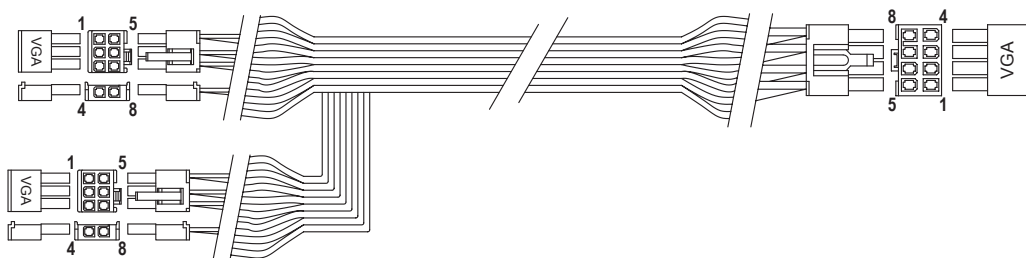
PIN	Rating
9	COM
10	COM
11	COM
12	COM
S1	COM
S2	COM
S3	COM
S4	COM

H2

PIN	Rating
1	+12V
2	+12V
3	+12V
4	+12V
5	+12V
6	+12V
7	COM
8	COM

PIN	Rating
9	COM
10	COM
11	COM
12	COM
S1	COM
S2	COM
S3	COM
S4	COM

## PCI-e 6+2Pin



H1

PIN	Rating	PIN	Rating
1	+12V	5	COM
2	+12V	6	COM
3	+12V	7	COM
4	COM	8	COM

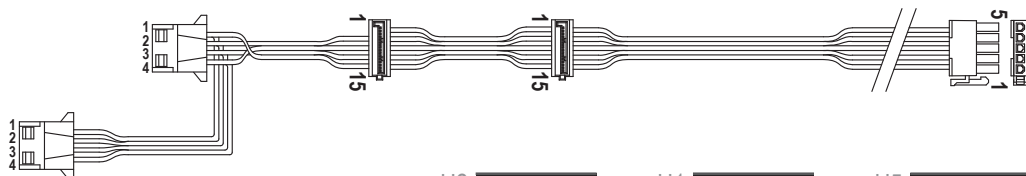
H2

PIN	Rating	PIN	Rating
1	+12V	5	COM
2	+12V	6	COM
3	+12V	7	COM
4	COM	8	COM

H3

PIN	Rating	PIN	Rating
1	+12V	5	COM
2	+12V	6	COM
3	+12V	7	COM
4	COM	8	COM

## Peripheral



H4

PIN	Rating
1	+12V
2	COM
3	COM
4	+5V

H3

PIN	Rating
1	+12V
2	COM
3	COM
4	+5V

H2

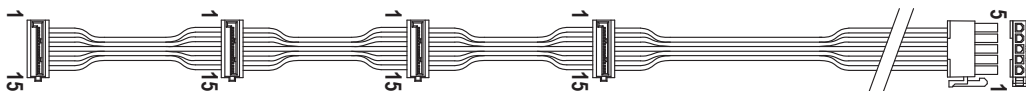
PIN	Rating
1-3	+3.3V
4-6	COM
7-9	+5V
10-12	COM
13-15	+12V

H1

PIN	Rating
1-3	+3.3V
4-6	COM
7-9	+5V
10-12	COM
13-15	+12V

H5

PIN	Rating
1	+12V
2	COM
3	+5V
4	COM
5	+3.3V



H4

PIN	Rating
1-3	+3.3V
4-6	COM
7-9	+5V
10-12	COM
13-15	+12V

H3

PIN	Rating
1-3	+3.3V
4-6	COM
7-9	+5V
10-12	COM
13-15	+12V

H2

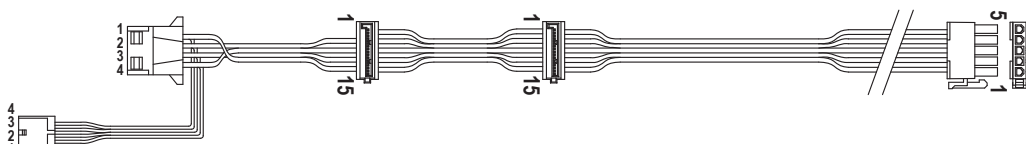
PIN	Rating
1-3	+3.3V
4-6	COM
7-9	+5V
10-12	COM
13-15	+12V

H1

PIN	Rating
1-3	+3.3V
4-6	COM
7-9	+5V
10-12	COM
13-15	+12V

H5

PIN	Rating
1	+12V
2	COM
3	+5V
4	COM
5	+3.3V



H4

PIN	Rating
1	+5V
2	COM
3	COM
4	+12V

H3

PIN	Rating
1	+12V
2	COM
3	COM
4	+5V

H2

PIN	Rating
1-3	+3.3V
4-6	COM
7-9	+5V
10-12	COM
13-15	+12V

H1

PIN	Rating
1-3	+3.3V
4-6	COM
7-9	+5V
10-12	COM
13-15	+12V

H5

PIN	Rating
1	+12V
2	COM
3	+5V
4	COM
5	+3.3V