

CobraPin STM32 Mapping

	pin	MPF	STM32
<b>J1</b>	1	N/C	N/C
	2	0-0-1	b0-B12
	3	0-0-2	b0-B13
	4	0-0-3	b0-B14
	5	GND	GND
	6	0-0-8	b0-A15
	7	0-0-9	b0-B3
	8	0-0-10	b0-B4
	9	0-0-11	b0-B5
<b>J2</b>	1	0-0-27	b0-A7
	2	0-0-26	b0-A6
	3	0-0-25	b0-A5
	4	0-0-24	b0-A4
	5	GND	GND
	6	0-0-19	b0-C15
	7	0-0-18	b0-C14
	8	0-0-17	b0-C13
	9	0-0-16	b0-SCK
<b>J3</b>	1	N/C	N/C
	2	1-0-1	b1-B12
	3	1-0-2	b1-B13
	4	1-0-3	b1-B14
	5	GND	GND
	6	1-0-8	b1-A15
	7	1-0-9	b1-B3
	8	1-0-10	b1-B4
	9	1-0-11	b1-B5
<b>J4 (Matrix IN)</b>	1	1-0-31 (7)	b1-B11
	2	1-0-30 (6)	b1-B10
	3	1-0-29 (5)	b1-B1
	4	1-0-28 (4)	b1-B0
	5	GND	GND
	6	1-0-27 (3)	b1-A7
	7	1-0-26 (2)	b1-A6
	8	1-0-25 (1)	b1-A5
	9	1-0-24 (0)	b1-A4
<b>J5 (Matrix OUT)</b>	1	1-0-23 (7)	b1-A3
	2	1-0-22 (6)	b1-A2
	3	1-0-21 (5)	b1-A1
	4	1-0-20 (4)	b1-A0
	5	GND	GND
	6	1-0-19 (3)	b1-C15
	7	1-0-18 (2)	b1-C14
	8	1-0-17 (1)	b1-C13
	9	1-0-16 (0)	b1-SCK

	pin	MPF	STM32
<b>J6</b>	1	0-0-14	b0-B10
	2	0-0-13	b0-B1
	3	0-0-12	b0-B0
	4	0-0-0	b0-DIO
	5	0-0-11	b0-A3
	6	HV_A	N/C
	7	0-0-10	b0-A2
	8	0-0-9	b0-A1
	9	0-0-8	b0-A0
<b>J7</b>	1	0-0-1	b0-A8
	2	0-0-2	b0-A9
	3	0-0-3	b0-A10
	4	0-0-4	b0-B6
	5	HV_B	N/C
	6	0-0-5	b0-B7
	7	0-0-6	b0-B8
	8	0-0-7	b0-B9
	9	0-0-15	b0-B11
<b>J8</b>	1	1-0-1	b1-A8
	2	1-0-2	b1-A9
	3	1-0-3	b1-A10
	4	HV_C	N/C
	5	1-0-4	b1-B6
	6	1-0-5	b1-B7
	7	1-0-6	b1-B8
	8	1-0-7	b1-B9
	9	1-0-0	b1-DIO
<b>J11</b>	1	5V0	N/C
	2	NEO0	b0-B15
	3	GND	GND
<b>J12</b>	1	5V0	N/C
	2	NEO1	b1-B15
	3	GND	GND

## Xpansion Board Mapping

	pin	MPF	STM32
<b>J1</b>	1	COL_7	b2-A10
	2	N/C	N/C
	3	COL_6	b2-A9
	4	COL_5	b2-A8
	5	COL_4	b2-B15
	6	COL_3	b2-B14
	7	COL_2	b2-B13
	8	COL_1	b2-B12
	9	COL_0	b2-DIO
<b>J2</b>	1	2-0-27	b2-A7
	2	2-0-26	b2-A6
	3	2-0-25	b2-A5
	4	2-0-24	b2-A4
	5	GND	GND
	6	2-0-19	b2-C15
	7	2-0-18	b2-C14
	8	2-0-17	b2-C13
	9	2-0-16	b2-SCK
<b>J3</b>	1	ROW_0	b2-A15
	2	ROW_1	b2-B3
	3	N/C	N/C
	4	ROW_2	b2-B4
	5	ROW_3	b2-B5
	6	ROW_4	b2-B6
	7	ROW_5	b2-B7
	8	ROW_6	b2-B8
	9	ROW_7	b2-B9
<b>J6</b>	1	2-0-8	b2-A0
	2	2-0-9	b2-A1
	3	V_BankD	N/C
	4	2-0-10	b2-A2
	5	2-0-11	b2-A3
	6	2-0-12	b2-B0
	7	2-0-13	b2-B1
	8	2-0-14	b2-B10
	9	2-0-15	b2-B11

Satellite Mapping

**Satellite Board Mapping**

	pin	MPF	STM32
<b>J2</b>	1	N/C	N/C
	2	3-0-1	b3-B12
	3	3-0-2	b3-B13
	4	3-0-3	b3-B14
	5	GND	GND
	6	3-0-8	b3-A15
	7	3-0-9	b3-B3
	8	3-0-10	b3-B4
	9	3-0-11	b3-B5
<b>J3</b>	1	3-0-31	b3-B11
	2	3-0-30	b3-B10
	3	3-0-29	b3-B1
	4	3-0-28	b3-B0
	5	GND	GND
	6	3-0-27	b3-A7
	7	3-0-26	b3-A6
	8	3-0-25	b3-A5
	9	3-0-24	b3-A4
<b>J1</b>	1	3-0-23	b3-A3
	2	3-0-22	b3-A2
	3	3-0-21	b3-A1
	4	3-0-20	b3-A0
	5	GND	GND
	6	3-0-19	b3-C15
	7	3-0-18	b3-C14
	8	3-0-17	b3-C13
	9	3-0-16	b3-SCK

	pin	MPF	STM32
<b>J6</b>	1	3-0-1	b3-A8
	2	3-0-2	b3-A9
	3	3-0-3	b3-A10
	4	3-0-4	b3-B6
	5	3-0-5	b3-B7
	6	3-0-6	b3-B8
	7	HV_E	N/C
	8	3-0-7	b3-B9
	9	3-0-0	b3-DIO
<b>J5</b>	1	VLED	N/C
	2	NEO3	b3-B15
	3	GND	GND