K2 connector pin-out for AC-L1				SPECIFICATIONS
Pin	**Name**	**I/O**	**Specification**	**Function**
1	+5V OUT	Supply Output	5V+/-5%, 200mAmax	5V supply
2	DIGITAL IN 9	Digital Input	20mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
3	DIGITAL IN 10	Digital Input	20mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
4	ENCODER 1 B	Peripheral Input	20mA pull-up, VL<=1V, VH>=3,5V	Quad encoder channel B
5	ENCODER 1 A	Peripheral Input	20mA pull-up, VL<=1V, VH>=3,5V	Quad encoder channel A
6	DIGITAL IN 11	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
7	DIGITAL IN 12	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
8	DIGITAL IN 13	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
9	I/O GROUND	-	-	Negative logic supply
10	MOTOR THERMAL PROBE 1	Analog Input	Pull-up	Motor temperature probe
11	MOTOR THERMAL PROBE 2	Analog Input	Pull-up	**TO BE ASSIGNED**
12	ANALOG IN 1	Analog Input	0/12V pull-down	**TO BE ASSIGNED**
13	ANALOG IN 2	Analog Input	0/12V pull-down	**TO BE ASSIGNED**
14	DIGITAL IN 14	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
15	DIGITAL IN 15	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
16	DIGITAL IN 16	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
17	DIGITAL IN 17	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
18	DIGITAL IN 18	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**
19	ANALOG IN 3	Analog Input	0/12V pull-down	**TO BE ASSIGNED**
20	ANALOG IN 4	Analog Input	0/12V pull-down	**TO BE ASSIGNED**
21	ANALOG IN 5	Analog Input	0/12V pull-down	**TO BE ASSIGNED**
22	ANALOG IN 6	Analog Input	0/12V pull-down	**TO BE ASSIGNED**
23	DIGITAL IN 19	Digital Input	4mA pull-up, VL<=1V, VH>=3,5V	**TO BE ASSIGNED**

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