

Pin Configuration Power Control Module 2014v3

Connector #1 – ASHD614-1SN-C35

Pin	Channel No	Individual Switching	Max Current	Current Measurement	Wire Size (mmsq)
1	1	-	200	-	35

Connector #2 – AS614-97PN – RED RING

Pin	Channel No	Individual Switching	Max Current Channel	Current Measurement	Wire Size (AWG)
A	6	Switch + CAN	35	Yes	20
B					20
C	11	Switch + CAN	65	Yes	20
D	5	Switch + CAN	35	Yes	16
E	10	Switch + CAN	35	Yes	20
F	4	Switch + CAN	35	Yes	20
G	9	Switch + CAN	65	Yes	16
H	3	Switch + CAN	35	Yes	20
J	14	Switch + CAN	35	Yes	16
K					
L	2	Switch + CAN	35	Yes	16
M	13	Switch + CAN	65	Yes	16

Connector #3 – AS614-97PA – YELLOW RING

Pin	Channel No	Individual Switching	Max Current Channel	Current Measurement	Wire Size (AWG)
A	8	Switch + CAN	35	Yes	20
B	16	Switch + CAN	35	Yes	20
C	1	Switch + CAN	65	Yes	16
D	15	Switch + CAN	35	Yes	20
E					
F	POWER GND				20
G	12	Switch + CAN	35	Yes	16
J	18	Switch + CAN	35	Yes	20
K					
L	7	Switch + CAN	65	Yes	16
M	17	Switch + CAN	65	Yes	16
H	POWER GND				

Connector #4 – AS614-35PN

Pin	Channel No	Individual Switching	Max Current	Current Measurement	Wire Size (mmsq)
1	19	No / CAN switch	3.0	No	22
2	20	No / CAN switch	3.0	No	22
3	21	No / CAN switch	3.0	No	22
4	22	No / CAN switch	3.0	No	22
5	23	No / CAN switch	3.0	No	22
6	24	No / CAN switch	3.0	No	22
7	25	No / CAN switch	3.0	No	22
8	26	No / CAN switch	3.0	No	22
9	27	No / CAN switch	3.0	No	22
10	28	No / CAN switch	3.0	No	22
11	29	No / CAN switch	3.0	No	22
12	30	No / CAN switch	3.0	No	22
13	31	No / CAN switch	3.0	No	22
14	32	No / CAN switch	3.0	No	22
15	33	No / CAN switch	3.0	No	22
16	34	No / CAN switch	3.0	No	22
17	VREF	-	(0..5 volts)	-	24
18	Diagnostics	Warning LED + out	Short Circuit = RESET	-	24
19	SW1	SW channel 1	SW to +	-	24
20	SW2	SW channel 2	SW to GND	-	24
21	SW3	SW channel 3	SW to GND	-	24
22	SW4	SW channel 4	SW to GND	-	24
23	SW5	SW channel 5	SW to GND	-	24
24	SW6	SW channel 6	SW to GND	-	24
25	SW7	SW channel 7	SW to GND	-	24
26	SW8	SW channel 8	SW to GND	-	24
27	SW9	SW channel 9	SW to GND	-	24
28	SW10	SW channel 10	SW to GND	-	24
29	SW11	SW channel 11	SW to GND	-	24
30	Ground	-	-	-	22
31	CAN H	-	-	-	24
32	Digital ground	-	-	-	24
33	CAN L	-	-	-	24
34	USB (Pin1)	5 volts	-	-	24
35	USB (Pin 3)	Dp	-	-	24
36	USB (Pin 2)	Dm	-	-	24
37	USB (Pin 4)	GND	-	-	24