

Table F-9: Vehicle kit power connector
(SK1 on the charger PCB)

Pin	Signal	Description
1	N/C	-
2	GND	Main ground connection
3	IGN	Switched accessory power - connect to permanent power to disable ignition sense
4	+13V8	Main connection to +13.8 V (vehicle battery). Use 3 A fuses.

Table F-10: Vehicle kit mobile microphone connector
(SKT1 on the options PCB)

Pin	Signal	Description
1	+13V8LIM	Power out Zout = 10 Ω ; 100 mA maximum
2	N/C	-
3	EXT-PTT	External PTT and function buttons*
4	MOB-MIC	Dynamic microphone input impedance = 600 Ω
5	GND	Ground
6	N/C	-

* EXT-PTT is pulled high inside the radio by 27 k Ω . Function buttons are implemented by pull-downs to ground. For BUTTON-1, R = 12 k Ω ; for BUTTON-2, R = 27 k Ω .

Table F-11: Vehicle kit accessory/data connector
(SK3 on the charger PCB)

Pin	Signal	Description
1	GND	Signal ground
2	RX-IN	RS-232 Receive data to radio
3	TX-OUT	RS-232 Transmit data from radio
4	N/C	-
5	BUSY	Radio receiving low = busy (including beeps)
6	AUDIO-D25	Single ended audio. Zout = 3 k Ω ; AC coupled
7	GND	Signal ground
8	EXT-MIC-D25	Microphone input Zin = 1 k Ω
9	MOD-AUDIO	To modulator
10	EXT-PTT	PTT and function buttons low = PTT
11	SPKR-OFF	Turns radio and external speaker off low = off
12	RX-DET-AF	Detected receive audio (unmuted)
13	GND	Signal ground
14	+5V	5 V power 25 mA maximum
15	+7V5-ACC	7.5 V from radio 25 mA maximum
16	SENSE-0-ACC	Radio internal speaker control low = off
17	SENSE-1-ACC	-
18	SPKR+	Balanced output from audio PA
19	SPKR-	Balanced output from audio PA
20	N/C	-
21	N/C	-
22	N/C	-
23	N/C	-
24	LVSD	Low voltage shut down - turns off vehicle kit
25	+13V8FILT	13.8V power 500 mA maximum