

Pin No.	Pin Name	CPS Programmable	Pin Function
1	D+	No	USB + (Data)
2	D-	No	USB - (Data)
3	Vbus	No	USB Power (5V from USB accessory/cable)
4	USB / MAP_ID Ground	No	USB/MAP_ID Ground
5	MAP_ID_2	No	Accessory Identifier
6	MAP_ID_1	No	Accessory Identifier
7	SW B+	No	Switched Battery Voltage
8	Power Ground	No	Ground
9	Spkr-	No	Speaker - (3.2 ohm minimum impedance)
10	Spkr+	No	Speaker + (3.2 ohm minimum impedance)
11	Tx Audio	No	Rear External Microphone Input ⁴
12	Audio Ground	No	Audio Ground
13	Aux Audio Out 1 / Rx D	No	PUBLIC Address 1

Pin No.	Pin Name	CPS Programmable	Pin Function
14	Rx Audio	No	Receive Live Audio ²
15	Aux Audio Out 2 / Tx D	No	PUBLIC Address 2
16	Ground	No	Ground
17	GP5_1	Yes	5V Level GPIO, PTT Input ¹
18	Ground	No	Ground
19	GP5_2	Yes	5V Level GPIO, Monitor Input ³
20	GP5_6	Yes	5V Level GPIO
21	GP5_3	Yes	5V Level GPIO, Channel Activity Function
22	GP5_7	Yes	5V Level GPIO
23	Emerg Sw	No	Emergency Switch Input
24	GP5_8	Yes	5V Level GPIO
25	Ign Sense	No	Ignition Sense ⁵
26	VIP_1	Yes	12V Tolerant, External Alarm

¹ Activating the PTT function will also activate the AUX_MIC input.

² This input has a fixed level (independent of volume level) for received audio signal, including alert tones. Output voltage is approximately 330 mVrms per 1kHz of deviation.

³ This input can be used to detect when a microphone is taken off-hook.

⁴ The nominal input level is 80mVrms for 60% deviation. The DC impedance is 660 ohms and the AC impedance is 560 ohms.

⁵ Refer to the Radio Installation (Dash Mount) and Cabling Interconnect Diagram for Dash Mount diagrams in the MOTOTRBO Mobile Installation Guide for wiring information.

