



Table 3-1 Rear Accessory Connector Pin Functions

| Pin No. | Pin Name | Pin Function | Pin No. | Pin Name | Pin Function |
|---------|----------------|---------------------------------------------|---------|-----------------|-------------------------------------------|
| 1 | D+ | USB + (Data) | 14 | Rx Audio | Receive Live Audio ² |
| 2 | D- | USB - (Data) | 15 | AUX Audio 2 | PUBLIC Address 2 |
| 3 | VBUS | USB Power (5V from USB accessory/cable) | 16 | GND | Ground |
| 4 | USB/MAP_ID GND | USB/MAP_ID Ground | 17 | GP5-1 (PTT) | 5V Level GPIO, PTT Input ¹ |
| 5 | MAP_ID_2 | Accessory Identifier | 18 | GND | Ground |
| 6 | MAP_ID_1 | Accessory Identifier | 19 | GP5-2 (Monitor) | 5V Level GPIO, Monitor Input ³ |
| 7 | SW B+ | Switched Battery Voltage | 20 | GP5-6 | 5V Level GPIO |
| 8 | PWRGND | Ground | 21 | GP5-3 | 5V Level GPIO, Channel Activity Function |
| 9 | SPKR- | Speaker - (3.2 ohm minimum impedance) | 22 | GP5-7 | 5V Level GPIO |
| 10 | SPKR+ | Speaker + (3.2 ohm minimum impedance) | 23 | EMERGENCY | Emergency Switch Input |
| 11 | Tx Audio | Rear External Microphone Input ⁴ | 24 | GP5-8 | No connection |
| 12 | Audio GND | Audio Ground | 25 | IGN SENSE | No connection |
| 13 | AUX Audio 1 | PUBLIC Address 1 | 26 | VIP-1 | 12V Tolerant, 5V GPIO, External alarm |

¹ Pulling this line to ground activates the PTT function, thus activating the AUX_MIC input.

² Fixed level (independent of volume level) received audio signal, including alert tones. Flat or de-emphasis are programmed by CPS. Output voltage is approximately 330 mVrms for 1kHz of deviation.

³ This input is used to detect when a rear microphone accessory is taken off-hook.

⁴ This microphone signal is independent of the microphone signal on the front microphone connector. The nominal input level is 80mVrms for 60% deviation. The DC impedance is 660 ohms and the AC impedance is 560 ohms.