

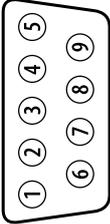
## 2.9 Programming Connector

The programming connector of the TM8105 blank control head is a 9-way standard-density D-range plug.

The programming connector can also be used to connect application products.

When the TM8105 blank control head is connected to the radio body, the programming connector uses the signals shown in [Table 2.26](#):

**Table 2.26 Programming connector - pins and signals**

Pinout	Pin	Signal name	Description	Signal type
 <p>front view</p>	1	PRG_RX_AUD	Receive audio output.	Analogue
	2	PRG_TXD	Asynchronous serial port - Transmit data.	3.3V CMOS
	3	PRG_MIC_AUD	Fist microphone audio input.	Analogue
	4	PRG_RXD	Asynchronous serial port - Receive data.	3.3V CMOS
	5	PRG_ON_OFF	Hardware power on/software-power off input. Active low.	Digital
	6	+13V8 <sup>a</sup>	Power supply output. Switched off when radio body is switched off.	Power
	7	PRG_PTT	PTT input from microphone. Also carries hookswitch signal.	Digital
	8	AGND	Analogue ground	Ground
	9	DGND	Digital ground	Ground

a. Can be switched or unswitched. For more information refer to [“Connector Power Supply Options”](#) on page 131.

For characteristics refer to the corresponding signals of the control-head connector.