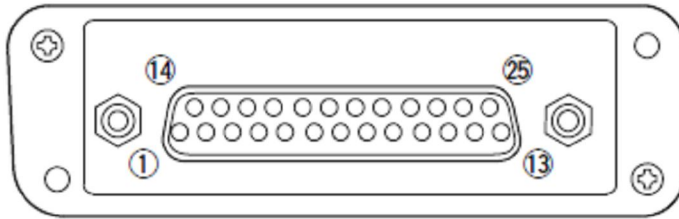


FR-5000 DB-25 Accessory Connector Pinouts



Pin No.	Pin Name	Description	Specification
1	NC	No connection	--
2	TXD	Output terminal for serial communication data. PC connector only.	--
3	RXD	Input terminal for serial communication data. PC connector only.	--
4	RTS	Output terminal for request-to-send data. PC Connector only.	--
5	CTS	Input terminal for clear-to-send data.	--
6	NC	No Connection	--
7	GND	Serial/digital signal ground	--
8	MOD IN	Modulator input from an external terminal unit.	- Input level: 300 mV rms 848mV P-P - Input for AF from 300Hz or more - Connection for MSK modem - Input impedance: approx. 2.7kΩ
9	DISC OUT	Output terminal for AF signals from the AF detector circuit. Output level is fixed, regardless of [AF] control.	Output level: 300 mV rms 848mV P-P Output from detector circuit - Buffer output - When receiving a signal with 60% modulation, outputs 300mVrms.
10	EXT. D/A	The desired function can be assigned in the programming software. (Default: Null)	--
11	VCC	13.6 V DC output	Output current: Less than 1 A
12	EXT. A/D	Customize A/D input (Not used)	--
13	NC	No Connection	--
14	GND	Ground	--
15	EXT./I/O 15	The desired function can be assigned in the programming software. (Default: Null)	+5 V pull up, Active = L
16	EXT./I/O 16	The desired function can be assigned in the programming software. (Default: P0 Monitor Output)	+5 V pull up, Active = L
17	EXT./I/O 17	The desired function can be assigned in the programming software. (Default: Busy Output)	+5 V pull up, Active = L
18	EXT./I/O 18	The desired function can be assigned in the programming software. (Default: Null)	+5 V pull up, Active = L
19	EXT./I/O 19	The desired function can be assigned in the programming software. (Default: EPTT Input)	+5 V pull up, Active = L

Pin No.	Pin Name	Description	Specification
20	DATA IN	Input terminal for data	Data input for AF from 2kHz or more - Bypasses pre-emphasis circuit - Input impedance approx 47k Ω - Approx 60% modulation when applying 300mVrms input (848mV P-P)
21	EXT./O 21	The desired function can be assigned in the programming software. (Default: Analog Audible Output)	+5 V pull up, Active = L
22	AF OUT	The AF detector output	AF output with fixed level (does not follow AF volume position) - Signal after de-emphasis circuit - Buffer output - When receiving a signal with 60% modulation, outputs 300mVrms (848mV P-P)
23	EXT./O 23	The desired function can be assigned in the programming software. (Default: Mic Mute Output)	+5 V pull up, Active = L
24	EXT./O 24	The desired function can be assigned in the programming software. (Default: Null)	+5 V pull up, Active = L
25	EXT./O 25	The desired function can be assigned in the programming software. (Default: Mic Hanger Output)	+5 V pull up, Active = L