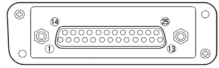


IC-FR5000

□ Accessory connector *1

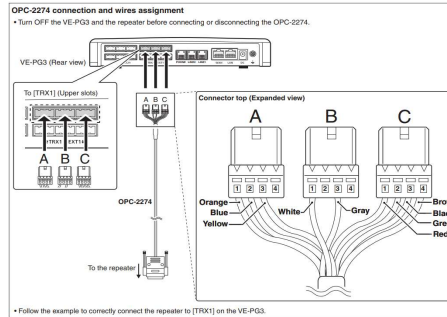
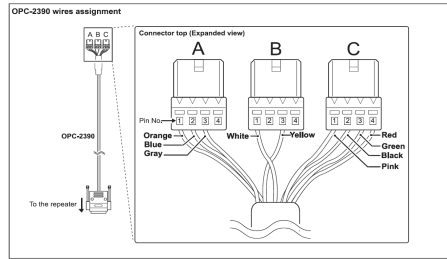


Pin No.	Pin Name	Description	Specification
1	NC	No connection	—
2	TXD ²	Output terminal for serial communication data.	—
3	RXD ²	Input terminal for serial communication data.	—
4	RTS ²	Output terminal for request-to-send data.	—
5	CTS ²	Input terminal for clear-to-send data.	—
6	NC	No connection	—
7	GND	Serial/digital signal ground	—
8	MOD IN	Modulator input from an external terminal unit.	Input level: 300 mV rms
9	DISC OUT	Output terminal for AF signals from the AF detector circuit. Output level is fixed, regardless of the [AF] control setting.	Output level: 300 mV rms
10	EXT. D/A	The desired function can be assigned.* (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	A desired function can be assigned.* (Default: Null)	+5 V pull up, Active = L
16	EXT.I/O 16	A desired function can be assigned.* (Default: PO Monitor Output)	+5 V pull up, Active = L
17	EXT.I/O 17	A desired function can be assigned.* (Default: Busy Output)	+5 V pull up, Active = L
18	EXT.I/O 18	A desired function can be assigned.* (Default: Null)	+5 V pull up, Active = L
19	EXT.I/O 19	A desired function can be assigned.* (Default: EPTT Input)	+5 V pull up, Active = L
20	DATA IN	Input terminal for data.	—
21	EXT.I/O 21	A desired function can be assigned.* (Default: Analog Audible Output)	+5 V pull up, Active = L
22	AF OUT	The AF detector Output.	—
23	EXT.I/O 23	A desired function can be assigned.* (Default: Mic Mute Output)	+5 V pull up, Active = L
24	EXT.I/O 24	A desired function can be assigned.* (Default: Null)	+5 V pull up, Active = L
25	EXT.I/O 25	A desired function can be assigned.* (Default: Mic Hanger Output)	+5 V pull up, Active = L

*1 The desired function can be assigned using the optional CS-FR5000 cloning software.

OPC-2390			
D-SUB25	-	PG3 connector	Color
8	-	A1	Orange
14	-	A2	Blue
22	-	A3	Gray
19	-	B1	White
18	-	B3	Yellow
2	-	C1	Pink
3	-	C2	Black
4	-	C3	Green
5	-	C4	Red

OPC-2274			
D-SUB25	-	PG3 connector	Color
8	-	A1	Orange
14	-	A2	Blue
22	-	A3	Yellow
19	-	B1	White
18	-	B3	Gray
3	-	C1	Red
2	-	C2	Green
5	-	C3	Black
4	-	C4	Brown



VE-PG3/VE-PG4

Pin No.	Name of signals	Specification	Related settings / Remarks (VE-PG3 > Port Settings > Transceiver > Transceiver Connection)
A1	Audio output to transceivers (+)	Impedance: 600 Ω	PTT Type Single PTT (Default): — When connecting a transceiver that has separate PTT and MIC ports.
A2	Audio output to transceivers (GND)	Superimposed PTT:	When connecting a transceiver that has common PTT and MIC ports.
A3	Audio input from transceivers (+)	Impedance: 1 kΩ	SQL Type Single SQL (Default): — When connecting a transceiver that has common SQL and SP ports.
A4	Audio input from transceivers (GND)	Superimposed SQL:	When connecting a transceiver that has common SQL and SP ports.
B1	PTT Control (Output to transceivers)	Open collector Max. Voltage: 16 V Inrush current: 10 mA	PTT Logic High: — When connecting a transceiver that transmits if the PTT level is High. Low (Default): — When connecting a transceiver that transmits if the PTT level is Low.
B2	Serial Communication (Semi-duplex)	0-5 V	icom CIV (Note): Disabled when using C1 and C2.)
B3	Squelch Control (Input from transceivers)	H: 3-16 V L: 0 V	SQL Logic High (Default): — When connecting a transceiver that SQL level is high while receiving. Low: — When connecting a transceiver that SQL level is low while receiving.
B4	Common GND		
C1	Serial data output from the VE-PG3 (TXD)	Selectable from +/- 5 V, 0-3 V, 0-5 V	Refer to the wiring example on the next page. (Note): Disabled when using B2)
C2	Serial data input to the VE-PG3 (RXD)		
C3	Hardware flow control of the VE-PG3 (RTS)		
C4	Hardware flow control of the VE-PG3 (CTS)		Refer to the wiring example on the next page.