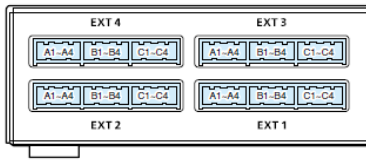
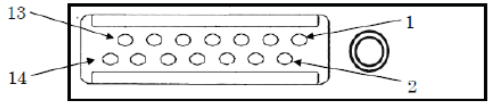
VE-PG3/4





Pin No.	Symbol	I/O	Name of port	Remark	Spec.	
1	OPF	I	Customized input	Active in low	Less than 1.15V to active the port. Necessary wiring 3.1V 10k Pull UP.	
2	RTS	O	Request To Send port	Hardware flow control to require transmitting	5.0V 47kΩ Pull UP	C4
3	CTS	I	Clear To Send port	Hardware flow control to receive acknowledge for allowance of transmission	5.0V 47kΩ Pull UP	C3
4	GND	–	GND	GND (separation with ground of MIC)	GND	B4
5	AFO–	O	AF BTL – (Output)	- port for AF BTL Amp (AB class Amplifier)	AF output 8Ω load 1.0W @ 5% typ	
6	AFO+	O	AF BTL + (Output)	+port for AF BTL Amp (AB class Amplifier)	AF output 8Ω load 1.0W @ 5% typ	A3
7	5V	O	5.0V DC output	5V output from the radio	5.0V less than 0.15A @ 25°C	
8	MDET	I	Detection of external device	Detection for connecting external device in some cases below. GND with speaker mic in case, open for programing in case, 10kΩ with VOX headset in case, 4.7kΩ with earphone.	–	
9	MICE	–	MIC GND	GND of MIC	–	A2,A4
10	NC	–	No Connection	–	–	
11	RXD	I	Serial Data Input	Data input for programing software, PC commands	5.0V 47kΩ Pull UP	C1
12	TXD	O	Serial Data Output	Data output for programing software, PC commands	5.0V 47kΩ Pull UP	C2
13	MIC	I	MIC Input	Input for external MIC	Impedance (Input) 2.2kΩ 15mVrms @ 60%Dev	A1
14	PTT	I	PTT	External PTT, Active in Low	3.1V 47kΩ Pull UP	B1

Pin No.	Description
A1	Analog audio output (From the VE-PG4) / Superimpose PTT
A2	Analog GND
A3	Analog audio input (To the VE-PG4) / Superimpose squelch detection
A4	Analog GND
B1	General control output / Single PTT control / Relay output
B2	Serial communication (Half duplex) / 8 V power supply / Relay output
B3	General control input / Single squelch control
B4	Common GND
C1	Serial communication TXD (From the VE-PG4)
C2	Serial communication RXD (To the VE-PG4)
C3	Serial communication RTS (From the VE-PG4)
C4	Serial communication CTS (To the VE-PG4)

ⓘ You can change the configuration of ports B1 to B4 on the VE-PG4 setting screen.