KENWOOD

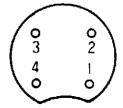
Amateur Radio Division

Subject:	Miscellaneous Conr	nectors Date	e: January	7 26, 1999
Subject.	misconditioods Com.	Date	c. January	/ 40, 1777

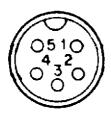
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Microphone Connectors Pin Numbers Usually Imprinted in Insulator

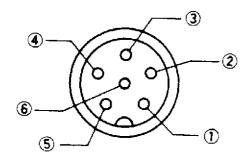
4 Pin Microphone Plug



5 Pin Microphone Plug



6 Pin Microphone Plug



TR-7200A/7400A/7500

TS-120S/130S/180S/511S/520/530/600/700/820/830

Pin 1 Microphone

Pin 2 Push To Talk

Pin 3 Chassis Ground

Pin 4 Microphone Ground

TR-7600/7625

Pin 1 Microphone

Pin 2 Push To Talk

Pin 3 No Connection

Pin 4 Chassis Ground

Pin 5 Microphone Ground

TR-7730/7800/7850/7930/7950/8400/9000/9130/9500

Pin 1 Microphone

Pin 2 Push To Talk

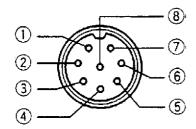
Pin 3 Down

Pin 4 Up

Pin 5 8VDC (150ma Max) Or N.C.

Pin 6 Chassis Ground

8 Pin Microphone Plug



TM-201A/201B/211/221/231/241/321/331 TM-401A/401B/421/431/441/521/531/541

TM-621/631/701/721/731/2530/2550/2570 TR-50/751/851

TS-50/60//140/430/440/450/570/660/670/680 TS-690/711/780/811/850/870/930/940/950 TW-4000/4100

Pin 1 Microphone

Pin 2 Push To Talk

Pin 3 Down

Pin 4 Up

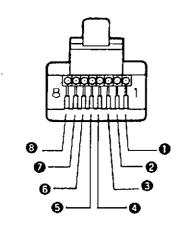
Pin 5 8VDC (150ma Max)

Pin 6 RX Audio (Some Models)

Pin 7 Microphone Ground

Pin 8 Chassis Ground

8 Pin Modular Microphone Plug



TM-251/255/261/451/455/461/641 TM-642/732/733/741/742/941/942 TM-G707/V7A

Pin 1 Up

Pin 2 8VDC (150ma Max)

Pin 3 Chassis Ground

Pin 4 Push-To-Talk

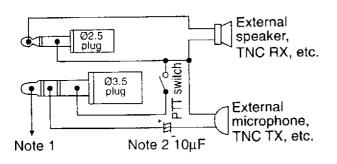
Pin 5 Microphone Ground

Pin 6 Microphone

Pin 7 RX Audio (Some Models)

Pin 8 Down

Speaker/Microphone Connection



TH-21AT/21BT/22/25/26/27/28/31AT/31BT TH-41AT/41BT/42/45/46/47/48/55/75/77 TH-78/79/D7/G71/205/215/225/235/315/415

2.5mm Plug

1 Tip Speaker

2 Sleeve Speaker & PTT

Ground

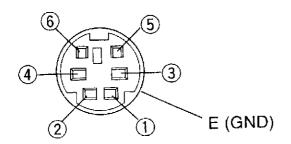
3.5mm Plug

1 Tip No Connection2 Ring Microphone

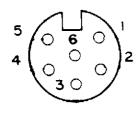
3 Sleeve PTT

Accessory and Data (Packet) Connectors Pin Numbers Usually Imprinted in Insulator

6 Pin Data Plug



6 Pin ACC Plug



7 Pin Remote Plug



TM-251/451/G707/V7

Pin 1 Data Input (Microphone)
Pin 2 Ground (Mic Ground)

Pin 3 Packet Standby (PTT)

Pin 4 9600bps RX Audio Output

Pin 5 1200bps RX Audio Output

Pin 6 Squelch Control Output

Shell Earth (Ground)

TS-450/690/570/850/870/950

Pin 1 GND Signal Ground

Pin 2 TXD Transmit Data

Pin 3 RXD Receive Data

Pin 4 CTS Transmit Enable

Pin 5 RTS Receive Enable

Pin 6 No Connection

Shell Earth (Ground)

TS-120/130/140/180/430/440/450/530/570 TS-680/690/830/850/870/940/950

Pin 1 Speaker Output

Pin 2 Relay Common (Ground)

Pin 3 PTT for Footswitch

Pin 4 Relay Close On Transmit

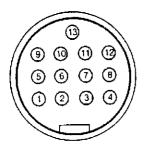
Pin 5 Relay Open On Transmit

Pin 6 ALC Input

Pin 7 12VDC On Transmit (10ma Max)

Shell Earth (Ground)

13 Pin ACC 2 Plug



(Rear Panel view)

TS-140/440/450/680/690/570/711/790/811/850 TS-870/940/950

- Pin 1 N/C
- Pin 2 N/C
- Pin 3 RX Audio Output
- Pin 4 Shield For Pin 3
- Pin 5 Squelch Control Or N/C
- Pin 6 S-Meter Output Or N/C
- Pin 7 N/C
- Pin 8 Chassis Ground
- Pin 9 PTT (Standard Mic Input is Muted)
- Pin 10 N/C
- Pin 11 Microphone Input
- Pin 12 Shield for Pin 11
- Pin 13 PTT (Standard Mic Input is Active)

Shell Earth (Ground)

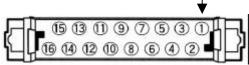


VC-H1 Wire Connections Using Optional Cable E30-3352-08

Color	Orange	Orange	Yellow	Yellow	White	White	Gray	Gray	Pink	Pink	Shield
Markings	Red	Black	Red	Black	Red	Black	Red	Black	Red	Black	Shield
Pin No.	4	5	6	7	8	9	11	13	14	15	16

Note: Pins 1, 2 and 10 are not connected. Pins 3 and 12 are jumpered.

Pin 1 is indicated by a triangle



Wire Color	VCH1 Pin No.	
Orange/Red	4	Chassis Ground
Shield	16	
Yellow/Black	7	PTT
Gray/Red	11	
Pink/Red	14	Audio Input (Microphone)
White/Black	9	Audio Output **
Gray/Black	13	•

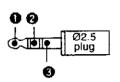
Wire Color	VCH1 Pin No.	
Orange/Red	4	Chassis Ground
Shield	16	,
Yellow/Black	7	→ PTT
White/Red	8	Audio Input (Microphone)
White/Black	9 ———	Audio Output **

VC-H1 Connections for TS-570/TS-870				
Wire Color	VCH1 Pin No.			
Orange/Red	4 — 8 Chassis Ground			
Yellow/Black	7 ── → 9 PTT			
Yellow/Red	8 — 11 Audio Input			
White/Black	9 — 3 Audio Output			
Shield	16 12 Shield 4			

** A 47uf 16v capacitor may be needed to avoid audio distortion

Specialized Connections and Cables

TH-D7A



GPS Connection

2.5mm Plug

1 Tip To RXD on GPS
2 Ring To TXD on GPS

2 Ring 3 Sleeve

Ground

PC Connection

2.5mm Plug

1 Tip

To RXD on PC

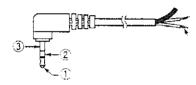
2 Ring

To TXD on PC

3 Sleeve

Ground

Supplied Cable Part No E30-3374-05



1 White

RXD On GPS

2 Red

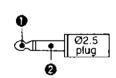
TXD On GPS

3 Shield

GND On GPS

$\overline{\text{VC-H1}}$

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Ø3.5

Video Output Plug

2.5mm Plug

1 Tip

Video Signal

2 Sleeve

Ground

Video Input Plug

3.5mm Plug

1 Tip

N/C (For VC-H1

Camera ONLY)

2 Ring

Video Signal

3 Sleeve

Ground

Com Jack Connection

2.5mm Plug

1 Tip

To RXD on PC

2 Ring

To TXD on PC

3 Sleeve

Ground

