

Engineer: Chris Samios	Date: 4/07/05	 Raytheon JPS Communications 5800 Departure Drive, Raleigh, NC 27616			
Drawn: Bruce Page	Date: 4/07//05				
Approved: Chris Samios	Date: 4/08/05	Title: ACU RADIO APPLICATION NOTES			
Issued/ Revised	Date: 4/12/05	Size: A	Dwg. #: 5961-271290-APP	Rev: A	Sheet: 1 Of 1

APPLIES TO: ICOM IC-A200 Aircraft Radio

RADIO MODIFICATIONS: None required.

RADIO PROGRAMMING: Not required

RADIO CONTROLS:

1. Adjust the Volume Control until the yellow "SIGNAL" indicator on the associated DSP Module flashes with receive audio. Should be about in the mid-range (12 o'clock) position.

CABLING:

Standard ACU-1000 and ACU-T Interface cables are made up of a 2 foot TRP Radio Tray Interface cable and the appropriate 13-foot Extension cable.

ACU-1000 Interface Cable	JPS P/N 5961-291290	(5961-271290 + 5961-261002-00)
ACU-T Cable	JPS P/N 5961-281290	(5961-271290 + 5961-281013-00)
TRP-1000 Shelf Interface Cable	JPS P/N 5961-271290	
RF Connector Type	PL259	

DSP JUMPERS:

JP1	Low Impedance *
JP2	Balanced *

DSP PROGRAMMING:

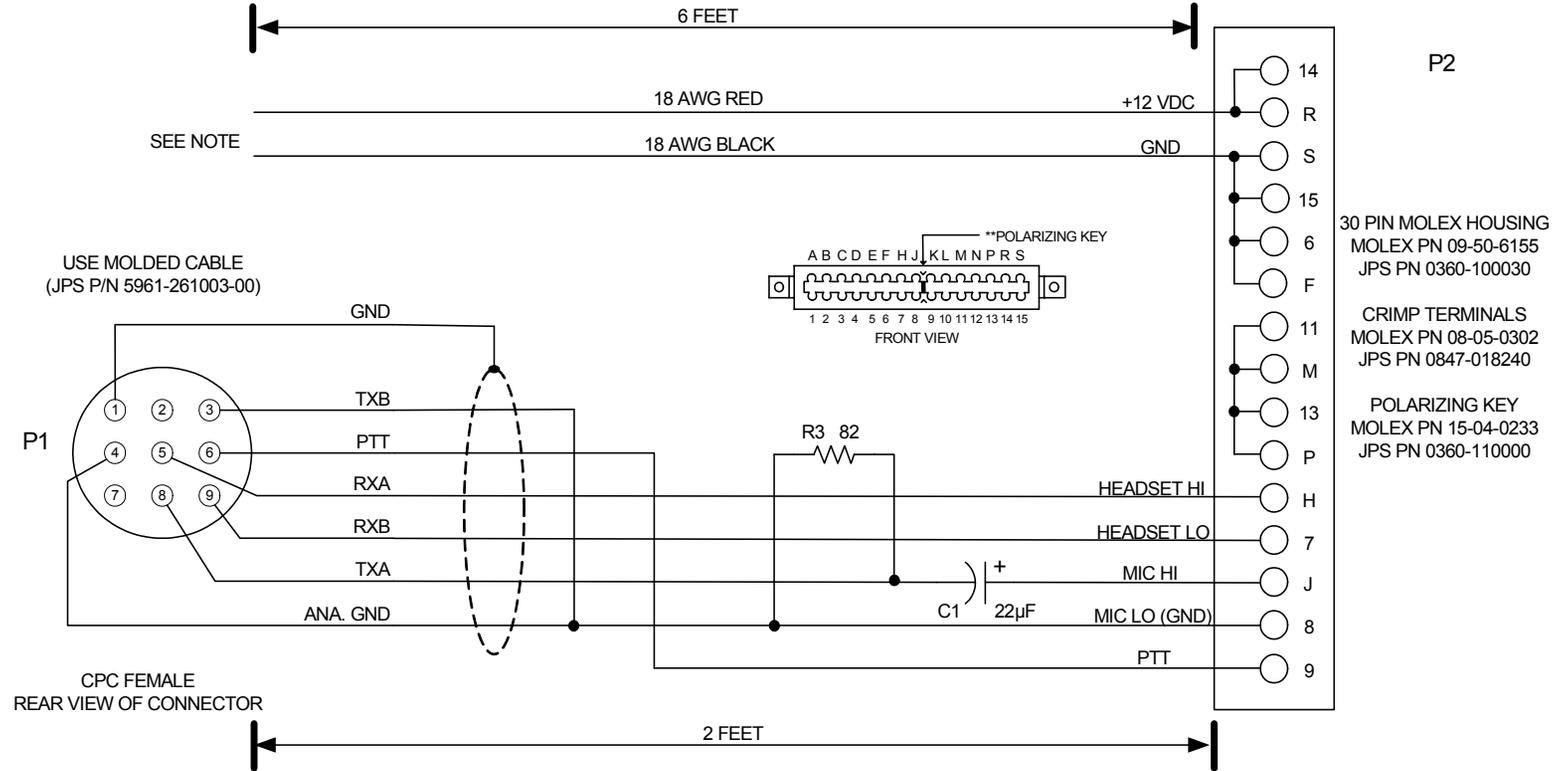
RX Level	3*	0dBm*
TX Level	6*	0dBm*
Squelch Type	VOX*	
COR Polarity	Active Low*	
High Frequency Equalizer	4*	Flat*
RX Audio Delay	2*	100 ms*
TX Audio Delay (Radio Type)	0*	No Delay*
Noise Reduction Value	0*	Off*
VOX/VMR Threshold	1*	Med1*
VOX/VMR Hang Time	3*	775 ms*
COR Inhibit After PTT	1*	100 ms*
All Others	As needed	

(* Indicates Default Value)

NOTES:

PURCHASED PART

Rev	ECO	Date
A		4-1-05



NOTES: SHIELD DRAIN CONNECTED TO PIN 1 OF P1 ONLY.
 ON RED AND BLACK WIRES, STRIP INSULATION 1/2 INCH AND TIN ENDS.
 **PLACE POLARIZING KEY BETWEEN CONTACTS 8 AND 9 AS SHOWN ABOVE.

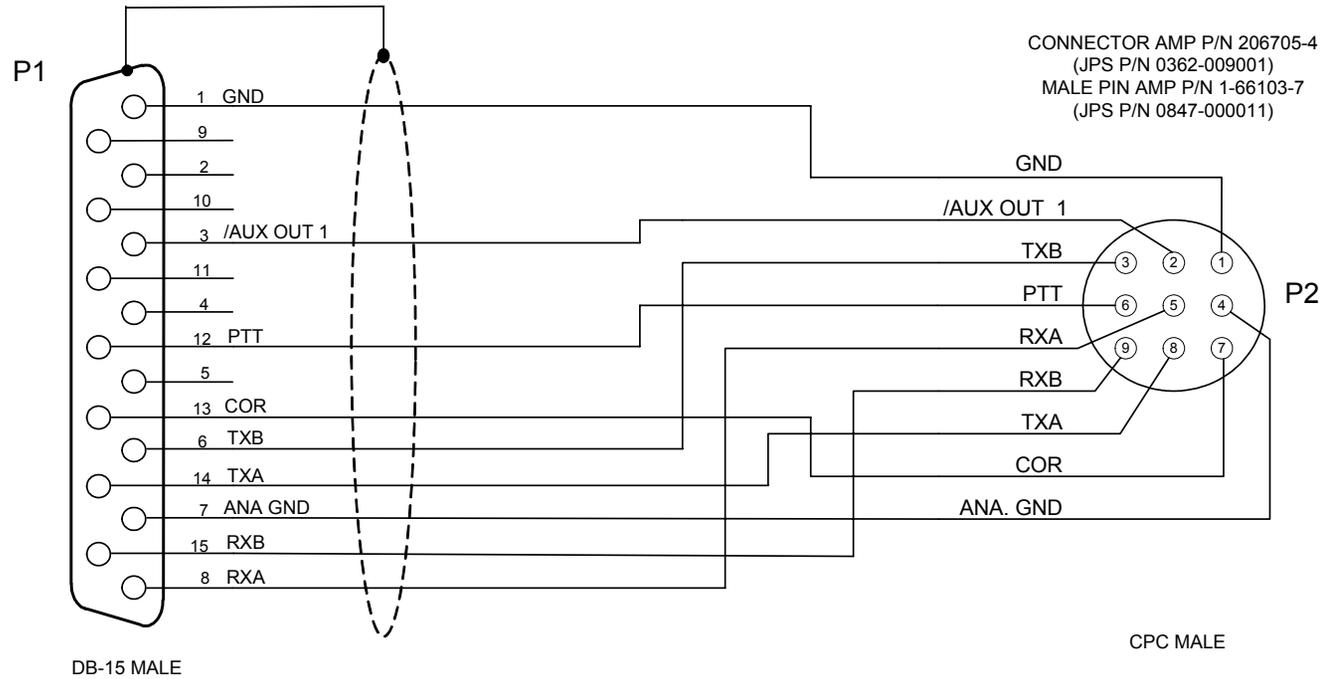
COMPONENT PCB (JPS P/N 5961-271000)	
C1	JPS P/N 0321-220250
R3	JPS P/N 1820-820000
JU2	
JU4	
JU5	

USED WITH:
 ICOM A200 AIRCRAFT RADIO

Designed By:	CTS	Raytheon JPS Communications		
Drawn By:	RBP	Title CABLE, CPC TO ICOM A200 AIRCRAFT RADIO		
Checked By:	CTS	Size A	Document Number 5961-271290	Rev A
Issued Date		MARCH 31, 2005		Sheet <u>1</u> of <u>1</u>

PURCHASED PART

Rev	ECO	Date
A		



- NOTES: 1) USE BELDEN 9934 SHIELDED CABLE.
 2) CONNECT SHIELD DRAIN TO SHELL OF P1 ONLY.
 3) CONNECTORS P1 AND P2 MUST BE MOLDED TO THE CABLE.
 4) CABLE MUST BE LABELED WITH THE RAYTHEON/JPS P/N AND REV, VENDOR CODE AND DATE (MM/YY).

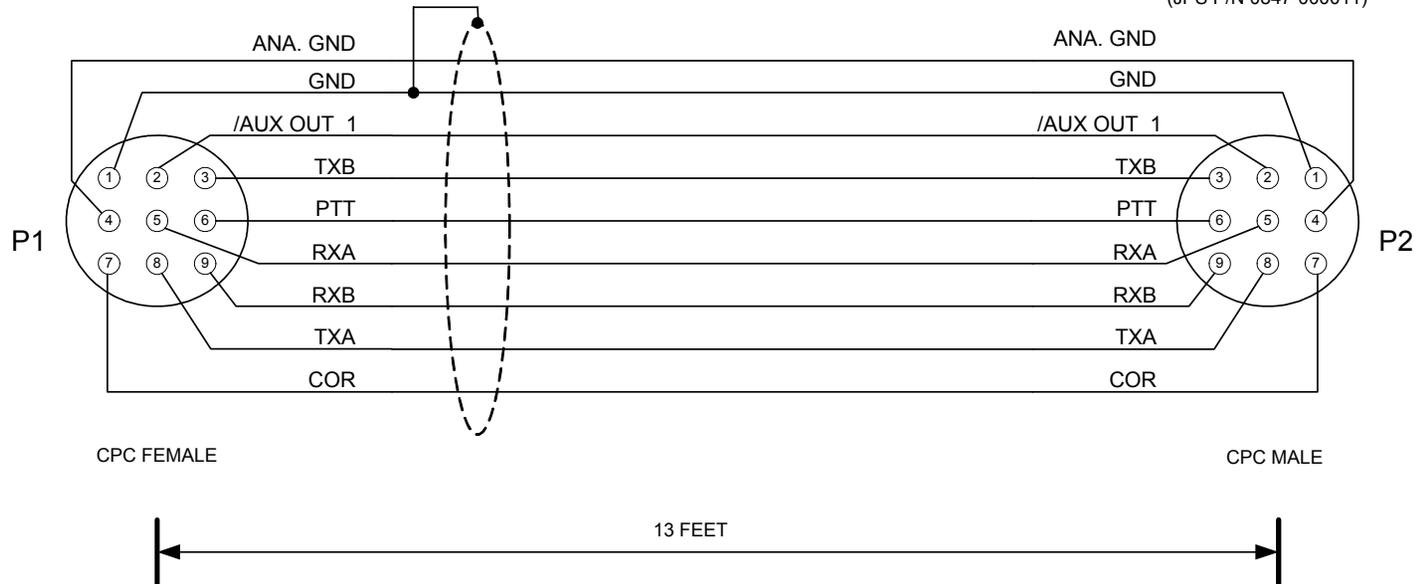
Designed By: JAC	Raytheon JPS Communications		
Drawn By: JAC	Title CABLE, ACU-1000 RADIO EXTENSION - 13 FT		
Checked By: RBP	Size A	Document Number 5961-261002-00	Rev A
Issued Date JANUARY 5, 2004		Sheet <u>1</u> of <u>1</u>	

Rev	ECO	Date
A		

PURCHASED PART

CONNECTOR AMP P/N 206708-1
 (JPS P/N 0362-005003)
 FEMALE PIN AMP P/N 1-66105-8
 (JPS P/N 0362-005002)

CONNECTOR AMP P/N 206705-4
 (JPS P/N 0362-009001)
 MALE PIN AMP P/N 1-66103-7
 (JPS P/N 0847-000011)



- NOTES: 1) USE BELDEN 9934 SHIELDED CABLE.
 2) CONNECT SHIELD DRAIN TO PIN 1 OF P1 ONLY.
 3) CONNECTORS P1 AND P2 MUST BE MOLDED TO THE CABLE.
 4) CABLE MUST BE LABELED WITH THE RAYTHEON/JPS P/N AND REV, VENDOR CODE AND DATE (MM/YY).

Designed By: JAC	Raytheon JPS Communications Raleigh, NC USA		
Drawn By: JAC	Title CABLE, ACU-T RADIO EXTENSION - 13 FT		
Checked By: RBP	Size A	Document Number 5961-281013-00	Rev A
	Issued Date	JANUARY 5, 2004	Sheet <u>1</u> of <u>1</u>