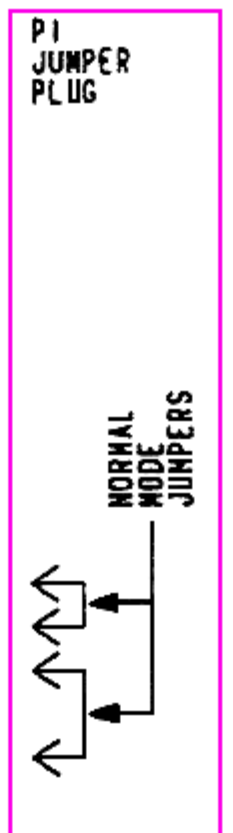


GENERAL NOTES  
 1.0 UNLESS OTHERWISE SPECIFIED:  
 RESISTANCE VALUES ARE IN OHMS.  
 RESISTORS ARE 1/4W.  
 CAPACITANCE VALUES ARE ON PICO FARADS.  
 VOLTAGES ARE DC.  
 INDUCTANCE VALUES ARE MICROHENRIES.  
 INDUCTORS ARE 369121-XXXX TYPES.

ASSEMBLY	LAST USED	NOT USED
	C14, CR2, DS1, J5, L22, LS1, P3, R15, S9, W3	C8, L15, L16, R1, R14, S6, S7

- SVM CONNECTOR J1**
- 15 + BATT
  - 13 GND
  - 10 GND
  - 2 GND
  - 8 SECURE VOICE DET OR GND
  - 12 XMIT B+
  - 7 SQUELCH DISABLE
  - 11 RUN B+
  - 3 CHOPPED B+
  - 6 RCY B+
  - 5 RECEIVE CIPHER
  - 4 RECEIVE AUDIO
  - 1 XMIT CIPHER
  - 9 150 HZ DISABLE
  - 14 XMIT AUDIO



816173-821 Frame Panel Interconnect

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- P/O SYNTHESIZER/AF MODULE**
- 17 HANDSET SPEAKER
  - 19 HANDSET PTT
  - 21 HANDSET MIC
  - 25 SPR/MIC
  - 23 SQUELCH DISABLE
  - 26 VOLUME TOP
  - 24 VOLUME TAP
  - 3 SECURE VOICE DET
  - 12 RUN B+
  - 6 SQUELCH MUTE
  - 9 TUNE VOLTS
  - 15 SYNTH GND
  - 16 HI BAND CONTROL
  - 14 LO BAND CONTROL
  - 13 VCO INPUT
  - 2 21.4 MHZ OUTPUT
  - 1 DEVIATION CTRL
  - 4 CHOPPED B+
  - 7 RCY B+
  - 8 LOW VHF DET
  - 10 XMIT B+
  - 5 NC
  - 11 GND
  - 27 INTERNAL PTT
  - 28 RECEIVE AUDIO
  - 18 XMIT CIPHER
  - 20 150 HZ TONE
  - 22 XMIT AUDIO OUT

- RF/IF MODULE**
- 17 RF IN/OUT
  - 18 RF IN/OUT
  - 19 RF IN/OUT
  - 20 RF GND
  - 3 NC
  - 12 RUN B+
  - 6 SQUELCH MUTE
  - 9 TUNE VOLTS
  - 15 SYNTH GND
  - 16 HI BAND CONT
  - 14 LO BAND CONT
  - 13 VCO OUTPUT
  - 2 21.4 MHZ TRP
  - 1 DEVIATION CTRL
  - 4 CHOPPED B+
  - 7 RCY B+
  - 8 LOW VHF DET
  - 10 XMIT B+
  - 5 AUDIO OUTPUT
  - 11 GND

P/O Synthesizer/AF Module

TTL I/O

ANTENNA

**ANT TUNER**

**S3 CHANNEL SELECT**

**LIQUID CRYSTAL DISPLAY DS1**

- 5 LIGHT
- 1 +5V
- 2 CLOCK
- 4 DATA
- 3 GND

**VEHICULAR PWR**

**EXT DATA**

**HANDSET**

**LS1 SPKR/MIC**

**BATT**

**CHASSIS GND**

**NORMAL MODE JUMPERS**