



# Tech Info Library

## Macintosh Plus: Modem 300 & Modem 1200 cable pinouts

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Security: Everyone

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Below is the wiring diagram of the connection between a Macintosh Plus and an Apple Modem 300 & 1200. Cables 1 and 2 may be used together for the connection or a custom cable 3 may be constructed.

### CABLE 1

Macintosh Modem Cable  
590-0197

Macintosh Connector (DB-9)			Apple Modem Connector (DB-9)		
Comments	Signal Name	Pin	Pin	Signal Name	Comments
Chassis, frame Ground	GND	1	<--+> 8	GND	Chassis, Frame Ground
Signal Ground	SGND	3	<--+> 3	SGND	Signal Ground
Output; Transmit Data	TXD	5	<----> 9	RCD	Input; Receive Data
12-Volt Line		6	<----> 6	DTR	
Output; Ready to Send	RTS	7	<----> 7	DCD	Input; Data Carrier Detect
Input; Receive Data	RCD	9	<----> 5	TXD	Output; Transmit Data

NOTE: There are many variations on connecting pins 1, 3 and 8, but the basic intent is to bring all three of those pins to ground on the Mac side. Connect Signal Ground to Chassis Ground if you want a slightly better noise margin.

### CABLE 2

Macintosh Plus Circular 8 to DB-9 Adapter  
699-0372

Circular 8	Signal	DB-9
1	HSKo (+12V)	6
2	HSKi	7
3	TXD-	5
4	GND	3*
5	RXD-	9
6	TXD+	4
7	No Wire	
8	RXD+	8
	GND	1*

\* Pins 1 and 3 on the DB-9 end are jumpered together.

The pins on the male end of the circular 8 connector are numbered as shown:

```
  6 7 8
 3 4 5
  1 2
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#### CABLE 3

Macintosh Plus Circular 8 to DB-9 Custom Cable

Circular 8		DB-9	
1	HSKo (+12V)	6	DTR
2	HSKi	7	DCD
3	TXD-	9	RCD
4	GND	3,8	SGND,GND
5	RXD-	5	TXD
6	TXD+		No Wire
7	No Wire		No Wire
8	RXD+	8	GND

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