



Tech Info Library

Apple III Port C: RS-232-C Serial Interface And Serial Card 3

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Security: Everyone

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PINOUTS

DB-25 Connector	Signal Name
1	Shield Ground
2	Transmit Data (Tx)
3	Receive Data (Rx)
4	Request To Send (RTS)
5	Clear To Send (CTS)
6	Data Set Ready (DSR)
7	Signal Ground
8	Data Carrier Detect (DCD)
20	Data Terminal Ready (DTR)

NOTE:

Serial Card 3 has a modem eliminator button, when this button is "in" the above pin outs are correct. If the button is "out" this has the effect of a modem eliminator cable being installed.

Apple III Port C: RS-232-C Serial Interface & Serial Card 3 "Driver"

DATA CONFIGURATION BLOCKS

The following table explains how to configure the driver for the RS232 port using the System Configuration Program in the Apple III System Utilities (remember, to set the slot number).

DCB \$00 = BAUD RATE
For BAUD RATE - Set \$00 DCB to:

110	- \$03
134.5	- \$04
300	- \$06

600	-	\$07
1200	-	\$08
1800	-	\$09
2400	-	\$0A
4800	-	\$0C
9600	-	\$0E

DCB \$01 = DATA FORMAT

For Bits Parity - Set \$01 DCB to:

Bits	Parity	
8	none	- \$00
7	odd	- \$22
7	even	- \$26
7	MARK	- \$2A
7	SPACE	- \$2E
6	odd	- \$42
6	even	- \$46
6	MARK	- \$4A
6	SPACE	- \$4E

DCB \$02 thru \$04 = PRINTER DELAYS

Using this driver to connect to a printer may require that you set the delay time then observe the printer while it actually performs the function you want it to delay after (i.e., Carriage Return, Line Feed, Form Feed). If the delay is not adequate you will have to reset it. The delays are given in the range of \$00 to \$FF characters which specify the number of characters that would be sent during the delay specified. After the CR, LF, or FF the RS 232 driver will wait for the time it would take to transmit the amount of characters specified before it sends the following character.

DCB 02 = Delay After Carriage Return

DCB 03 = Delay After Line Feed

DCB 04 = Delay After Form Feed

DCB \$05 thru \$0B = FLOW CONTROL

For protocol - Set \$05 \$06 \$07 \$08 \$09 \$0A \$0B DCBs to:

none	-	\$00						\$00
XON/XOFF	-	\$80	\$13	\$11	\$DF	\$84		\$00
ENQ/ACK	-	\$40	\$05	\$06			\$50	
ETX/ACK	-	\$40	\$03	\$06			\$50	
DTR HW Hndshk-		\$00			\$DF	\$84		\$80

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