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Serial NuBus Card: Pinout Information (7/93)

Revised: 7/12/93
Security: Everyone

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Article Change History

07/21/93 - REVIEWED
• For technical accuracy.

TOPIC ----------

I need pin-out information for the Serial NuBus (NB) Card.

DISCUSSION ----------

Here are Apple Serial NB Card D-62 Connector Pinouts. There are two types of cables, the Hydra cable with four RS-232-C connectors, and the V.35 cable with one RS-232-C connector and one V.35 connector.

The term "RS-232" as used here refers to a signal that is single-ended and driven between +/-12V.

The terms "RS-422" and "X.21" as used here refer to a signal that is differential and driven +/-, measured differentially.

Pin #	Signal	Function
1	+CA1F	X.21 Control, +CHA1, OUTPUT
3	-CA1F	X.21 Control, -CHA1, OUTPUT
6	+CB1F	X.21 Control, +CHB1, OUTPUT
8	-CB1F	X.21 Control, -CHB1, OUTPUT
16	+IA1	X.21 INDICATION, +CHA1, INPUT
44	1DCDA/-IA1	RS-232 Data Carrier Detect/X.21 INDICATION, -CHA1, INPUT

11	+IB1	X.21 INDICATION, +CHB1, INPUT
49	1DCDB/-IB1	RS-232 Data Carrier Detect/X.21 INDICATION, -CHB1, INPUT
62	GND_1	CHA1 GND
57	GND_2	CHB1 GND
52	GMD_3	CHA2 GND
47	GND_4	CHB2 GND
41	GND_5	EXTRA GND
37	GND_6	EXTRA GND
2	232TXDA1	TX DATA, CHA1, RS-232, OUTPUT
7	232TXDB1	TX DATA, CHB1, RS-232, OUTPUT
12	232TXDA2	TX DATA, CHA2, RS-232, OUTPUT
17	232TXDB2	TX DATA, CHB2, RS-232, OUTPUT
4	1RTSA	READY TO SEND, CHA1, RS-232, OUTPUT
9	1RTSB	READY TO SEND, CHB1, RS-232, OUTPUT
14	2RTSA	READY TO SEND, CHA2, RS-232, OUTPUT
19	2RTSB	READY TO SEND, CHB2, RS-232, OUTPUT
5	1CTSA	CLEAR TO SEND, CHA1, RS-232, INPUT
10	1CTSB	CLEAR TO SEND, CHB1, RS-232, INPUT
15	2CTSA	CLEAR TO SEND, CHA2, RS-232, INPUT
20	2CTSB	CLEAR TO SEND, CHB2, RS-232, INPUT
43	1DSRA	DATA SET READY, CHA1, RS-232, INPUT
48	1DSRB	DATA SET READY, CHB1, RS-232, INPUT
53	2DSRA	DATA SET READY, CHA2, RS-232, INPUT
58	2DSRB	DATA SET READY, CHB2, RS-232, INPUT
45	1DTRA	DATA TERMINAL READY, CHA1, RS-232, OUTPUT
50	1DTRB	DATA TERMINAL READY, CHB1, RS-232, OUTPUT
55	2DTRA	DATA TERMINAL READY, CHA2, RS-232, OUTPUT
60	2DTRB	DATA TERMINAL READY, CHB2, RS-232, OUTPUT
46	1RIA	RING INDICATOR, CHA1, RS-232, INPUT
51	1RIB	RING INDICATOR, CHB1, RS-232, INPUT
56	2RIA	RING INDICATOR, CHA2, RS-232, INPUT
61	2RIB	RING INDICATOR, CHB2, RS-232, INPUT
54	2DCDA	DATA CARRIER DETECT, CHA2, RS-232, INPUT
59	2DCDB	DATA CARRIER DETECT, CHB2, RS-232, INPUT
39	2RXCA	RECEIVE CLOCK, CHA2, RS-232, INPUT
40	2RXCB	RECEIVE CLOCK, CHB2, RS-232, INPUT
38	2TXCA	TRANSMIT CLOCK, CHA2, RS-232, INPUT
42	2TXCB	TRANSMIT CLOCK, CHB2, RS-232, INPUT
13	2TXDA	RECEIVE DATA, CHA2, RS-232, INPUT
18	2TXDB	RECEIVE DATA, CHB2, RS-232, INPUT

21	+422TXCA1	+TRANSMIT CLOCK, CHA1, RS-422, INPUT
22	-422TXCA1	-TRANSMIT CLOCK, CHA1, RS-422, INPUT
29	+422TXCB1	+TRANSMIT CLOCK, CHB1, RS-422, INPUT
30	-422TXCB1	-TRANSMIT CLOCK, CHB1, RS-422, INPUT
25	+422RXCA1	+RECEIVE CLOCK, CHA1, RS-422, INPUT
26	-422RXCA1	-RECEIVE CLOCK, CHA1, RS-422, INPUT
33	+422RXCB1	+RECEIVE CLOCK, CHB1, RS-422, INPUT
34	-422RXCB1	-RECEIVE CLOCK, CHB1, RS-422, INPUT
27	+422TXDA1	+TRANSMIT DATA, CHA1, RS-422, OUTPUT
28	-422TXDA1	-TRANSMIT DATA, CHA1, RS-422, OUTPUT
35	+422TXDB1	+TRANSMIT DATA, CHB1, RS-422, OUTPUT
36	-422TXDB1	-TRANSMIT DATA, CHB1, RS-422, OUTPUT
23	+422RXDA1	+RECEIVE DATA, CHA1, RS-422, INPUT
24	-422RXDA1	-RECEIVE DATA, CHA1, RS-422, INPUT
31	+422RXDB1	+RECEIVE DATA, CHB1, RS-422, INPUT
32	-422RXDB1	-RECEIVE DATA, CHB1, RS-422, INPUT

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