

VTA-2001 Adapter Pin Information

RJ45 connector pins count from left looking into female connector with pins on top.
DB09 female pin order is, holding like a "D", upper left is 1 counting down, then upper right is 6 counting down.
Power connector used on the VTA-2001: Flat side is (-), round side is (+).

RJ45-7 to DB09-2 (VTR TX-)
RJ45-8 to DB09-7 (VTR TX+)
RJ45-1 to DB09-8 (VTR RX-)
RJ45-2 to DB09-3 (VTR RX+)
RJ45-6 to DB09-4 (GND) and Power Supply GND
RJ45-3 to Power Supply +12VDC @ 500mA (or 1000mA for some products)

Connection from the VTA-2001 to BUF control panels are via a telephone style RJ45 cable which has the conductor order reversed from one end to the other. Pinouts shown here for the Rj45 connector are for the adapter, reverse the pin order for the control panel side.

CAT5 cables do not reverse order so cannot be used without VTA-2001 modification or external adaptation.

CAT5 "crossover" cables do not change the pin order the same way and will not work.

BUF TECHNOLOGY 858-451-1350	BUF TECHNOLOGY
	PROJECT: VTA-2001 PINOUT
	DATE: 020319
	BY: BRUCE BREDON
	12335 World Trade Drive, #11 San Diego, CA 92128

BNA-1001 Adapter Pin Information

RJ45 connector pins count from left looking into female connector with pins on top.
DB09 female pin order is, holding like a "D", upper left is 1 counting down, then upper right is 6 counting down.
Power connector used on the BNA-1001: Flat side is (-), round side is (+).

RJ45-7 to DB09-2 (VTR TX-)*
RJ45-8 to DB09-7 (VTR TX+)*
RJ45-1 to DB09-8 (VTR RX-)*
RJ45-2 to DB09-3 (VTR RX+)*
RJ45-6 to DB09-4 (GND) and Power Supply GND
RJ45-3 to Power Supply +12VDC @ 500mA (or 1000mA for some products)
RJ45-4 to (both) XLRs pin 2 (modified RS-485 BUFNET +)
RJ45-5 to (both) XLRs pin 3 (modified RS-485 BUFNET -)
(both) XLRs pin 1 is GND

*TX and RX lines can be reversed by changing (4) internal jumpers
BNA-1001-RS adapter converts the RS-422 to RS-232 with pinouts compatible to plug pin-for-pin to PC DB9

Connection from the BNA-1001 to BUF control panels are via a telephone style RJ45 cable which has the conductor order reversed from one end to the other. Pinouts shown here for the Rj45 connector are for the adapter, reverse the pin order for the control panel side.

CAT5 cables do not reverse order so cannot be used without VTA-2001 modification or external adaptation.

CAT5 "crossover" cables do not change the pin order the same way and will not work.

BUF
TECHNOLOGY
858-451-1350

BUF TECHNOLOGY	
PROJECT:	VTA-2001 PINOUT
DATE:	020319
BY:	BRUCE BREDON
12335 World Trade Drive, #11 San Diego, CA 92128	

PART NUMBERS: CADB9M-F-RS AND CADB9F-M-RS

CABLE FABRICATION INFORMATION
 FOR CONNECTION FROM:
 RS-422 VTR CONTROL PORT TO RS-232 COMPUTER PORT
 AND FROM RS-422 VTR PORT TO RS-232 COMPUTER PORT

CUT ONE CONNECTOR OFF THE PREFAB CADB9M-M
 AND TERMINATE DB9F TO OTHER END DEPENDING ON RS-422 DIRECTION NEEDED
 (SHIELD WIRE IS CONNECTED TO DB9M SHELL)

CADB9F-M-RS RS-232 9-PIN FEMALE 'D' FOR VTR I/F	CADB9M-F-RS RS-232 9-PIN FEMALE 'D' FOR CTRLR I/F	CADB9M-M 9-PIN MALE 'D' (PREFAB WIRE)	RS-232 9-PIN FEMALE 'D' (VTR CONTROL)	PREFAB WIRE COLOR
—	—	1	SHIELD	BROWN
2	3	2	VTR TX-	RED
5	—	3	VTR RX+	ORANGE
5	5	4	VTR RX GND	YELLOW
—	—	5	N/U	GREEN
—	—	6	VTR TX GND	BLUE
—	5	7	VTR TX+	VIOLET
3	2	8	VTR RX-	GRAY
—	—	9	SHIELD	BLACK

CONNECT

CONNECT

BUF TECHNOLOGY 858-451-1350	BUF TECHNOLOGY
	PROJECT: RS-422 to RS-232 Cable
	DATE: 010830
	BY: BRUCE BREDON
	12335 World Trade Drive, #11 San Diego, CA 92128

PART NUMBER: CADB9M-M-RSR

CABLE FABRICATION INFORMATION
FOR CONNECTION FROM:
RM-4000 AUX-A RS-422 PORT TO
TCW (HORITA SCT-P SPECIAL) VIDEO TEXT INSERTER

CUT ONE CONNECTOR OFF THE PREFAB CADB9M-M
AND TERMINATE DB9M TO OTHER END
(SHIELD WIRE IS CONNECTED TO DB9M SHELL)

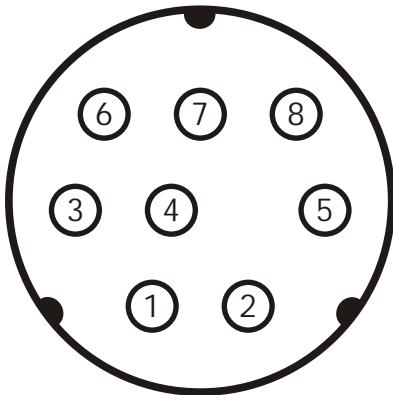
RS-232 9-PIN MALE 'D' FOR TCW	CADB9M-M 9-PIN MALE 'D' (PREFAB WIRE)	RS-232 9-PIN FEMALE 'D' (RM-4000 CTRL)	PREFAB WIRE COLOR
—	1	N/U	BROWN
2	2	RM RX-	RED
—	3	RM TX+	ORANGE
5	4	RM GND	YELLOW
—	5	N/U	GREEN
—	6	N/U	BLUE
5	7	RM RX+	VIOLET
3	8	RM TX-	GRAY
—	9	N/U	BLACK

CONNECT

BUF TECHNOLOGY 858-451-1350	BUF TECHNOLOGY
	PROJECT: TCW Cable
	DATE: 011210
	BY: BRUCE BREDON
	12335 World Trade Drive, #11 San Diego, CA 92128

CABLE FABRICATION INFORMATION
 FOR CONNECTION FROM:
 MAC TO BUFROUTE IFD-422-RS INTERFACE (RS-232)
 MAC TO ELO TOUCHSCREEN (RS-232)
 MAC TO BUFROUTE IFD-422 INTERFACE (RS-422)
 MAC TO IR-422 INFRARED REMOTE (RS-422)

ONE END	MAC 8-PIN MALE MINI-DIN	OTHER END	RS-232 9-PIN MALE 'D'	RS-422 9-PIN MALE 'D'	SIGNAL NAME
RED	1	BRN	---	---	SHIELD
BRN	2	RED	---	---	N/U
GRN	3	OR	3	2	MAC TX-
YEL	4	YEL	5	4	SIG GROUND
OR	5	GRN	2	8	MAC RX-
BLK	6	BLU	---	7	MAC TX+
PUR	7	PUR	---	---	N/U
BLU	8	BLK	---	3	MAC RX+
	SHIELD		---	---	SHIELD

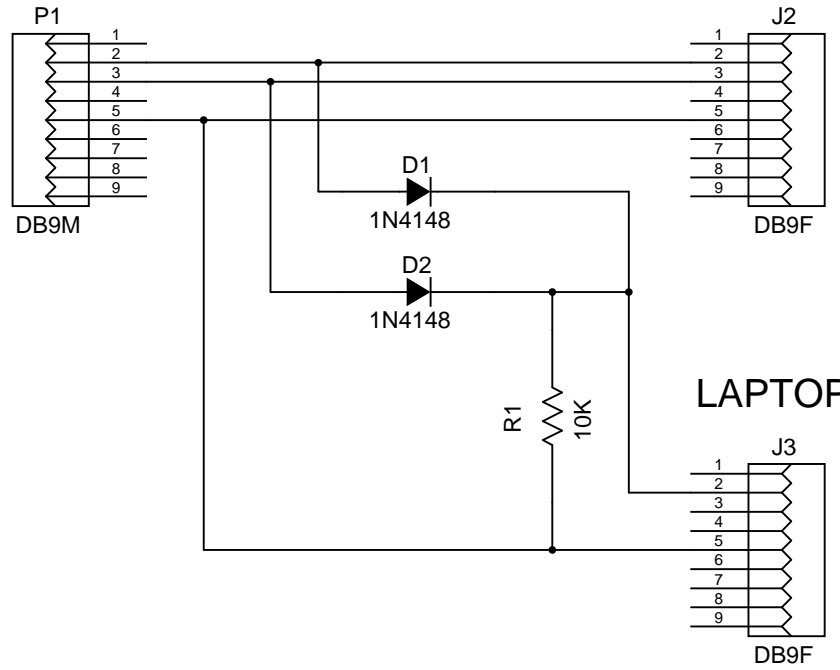


PIN ASSIGNMENTS OF
 MAC MODEM & PRINTER PORTS
 (LOOKING INTO END OF MALE
 8-PIN MINI-DIN CABLE CONNECTOR)

BUF TECHNOLOGY 858-451-1350	BUF TECHNOLOGY
	PROJECT: MAC CABLE FAB INFO
	DATE: 990831
	BY: BRUCE BREDON
	12335 World Trade Drive, #11 San Diego, CA 92128

IFD-422

ROUTER



RS-232 MONITOR CABLE

BUF TECHNOLOGY 858-451-1350	BUF TECHNOLOGY
	PROJECT: RS-232 MONITOR CABLE
	DATE: 060629
	BY: BRUCE BREDON
	12335 World Trade Drive, #11 San Diego, CA 92128