



V.35 Loopback Plug specification for Metrodata DC3200

TB NO 18	V.35 Loopback plug specification for DC3200
1 Page	For use by Installers & Testers
Part No:	79-02-012A

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The V.35 DTE port is equipped with a 34-way M rack female connector in accordance with ISO 4903. A loopback male plug can be fitted to the port to initiate signal loopback. The connections within the plug are shown below in the two columns titled "Loopback path" and "Wire number". Please note the following explanatory comments:

- a) Wires 1 and 2 are needed to loop the data
- b) Wires 3 and 4 are only necessary to loop the clock when the DC3200 is in "Terminal timing" mode.
- c) Wire 5 is needed to provide the DC3200 with a valid RTS (which stops the DC3200 status LED flashing off). The DC3200 also reflects the status of RTS on its outgoing CTS signal (which would not normally be monitored when a V.35 loop plug is being used).

Pin	Loopback path	Wire No	Function	Definition	CCT No
A			Chassis	Chassis ground	101
B			Ground	Signal ground	102
C	C-F	5	RTS	Request to send	105
D	D-H	6	CTS	Clear to send	106
E			DSR	Data set ready	107
F	F-C	5	DCD	Data carrier detect	109
H	H-D	6	DTR	Data terminal ready	108.2
P	P-R	1	Tx(A)	Transmit data (A)	103
R	R-P	1	Rx(A)	Receive data (A)	104
S	S-T	2	Tx(B)	Transmit data (B)	103
T	T-S	2	Rx(B)	Receive data (B)	104
U	U-V	3	XClk(A)	Terminal timing (A)	113
V	V-U	3	RxCIk(A)	Receive timing (A)	115
W	W-X	4	XClk(B)	Terminal timing (B)	113
X	X-W	4	RxCIk(B)	Receive timing (B)	115
Y			TxCIk(A)	Transmit timing (A)	114
AA			TxCIk(B)	Transmit timing (B)	114

The loop back plug cannot be used when the DC3200 is in "DTE mode" since it would then need the injection of a clock of the correct frequency on V and X.