PIN	NAME	I O D T E	I O D C E	FUNCTION	CIRCUIT EIA	CIRCUIT CCITT
1	PG			PROTECTIVE GROUND	AA	101
2	TD		▶	TRANSMITTED DATA	BA	103
3	RD	◀		RECEIVED DATA	BB	104
4	RTS		▶	REQUEST TO SEND	CA	105
5	CTS	◀		CLEAR TO SEND	CB	106
6	DSR	◀		DATA SET READY	CC	107
7	SG			SIGNAL GROUND	AB	102
8	CD	◀		CARRIER DETECT	CF	109
9	—			RESERVED	—	—
10	—			RESERVED	—	—
11	—			UNASSIGNED	—	—
12	(S) CD	◀		SEC CARRIER DETECT	SCF	122
13	(S) CTS	◀		SEC CLEAR TO SEND	SCB	121
14	(S) TD		▶	SEC TRANSMITTED DATA	SBA	118
15	TC	◀		TRANSMITTER CLOCK	DB	114
16	(S) RD	◀		SEC RECEIVED DATA	SBB	119
17	RC	◀		RECEIVER CLOCK	DD	115
18	—			UNASSIGNED	—	—
19	(S) RTS		▶	SEC REQUEST TO SEND	SCA	120
20	DTR		▶	DATA TERMINAL READY	CD	108 2
21	SQ	◀		SIGNAL QUALITY DETECTOR	CG	110
22	RI	◀		RING INDICATOR	CE	125
23			▶	DATA RATE SELECTOR	CH	111
			◀	DATA RATE SELECTOR	CI	112
24	(E) TC		▶	EXT. TRANSMITTER CLOCK	DA	113
25	—			UNASSIGNED	—	—

NEGATIVE VOLTAGE = MARK = LED GREEN
POSITIVE VOLTAGE = SPACE = LED RED

Note that, according to some users' usage, they need a flat cable attached to the Break out Box. So we have three kinds of this item; that is:

1) Break out Box
2) Break out Box, w/wallet.
3) Break out Box, w/flat cable (15 cm).

RS-232C BREAK-OUT BOX INSTRUCTION MANUAL

This portable, pocket size test set provides access to all 25 conductors of the RS-232/V.24 interface between the data terminal and the data modem. The LED's monitor, the status at the source of ten primay signals: TD(2), RD(3), RST(4), CTS(5), DSR(6), CD(8), TC(15), RC(17), DTR(20), (E)TC(24). and two additional LED's for spare. Twenty-four miniature switches allow all interface conductors (except frame ground on pin 1) to be individually interrupted for isolated testing and observation of terminal or modem signals. Small jumpers cables are provided to allow cross-patching signal lines.

Use of interface break-out box

The test set you have just purchased allows you to break-out (interrupt) the 24 lines of a V.24/RS232 interface. By acting on the two DIP switch sets on the device, a signal passing through the break-out box can be interrupted, by means of the relevant DIP switch, to be sent to another pin, using the jumper cables included in the supply. By this device you will be able to test an RS232 serial line, and discover the correct connection for the serial cable required.

Specifications

Interface	: RS-232C
Connectors	: DB-25 Male/25 Female Connectors
LED	: 12 PCs (two colour)
Power	: No power supply required (interface powered)
Dimension	: 90mm(D)×53mm(W)×22mm(H)
Weight	: 100 g

Break-out Box