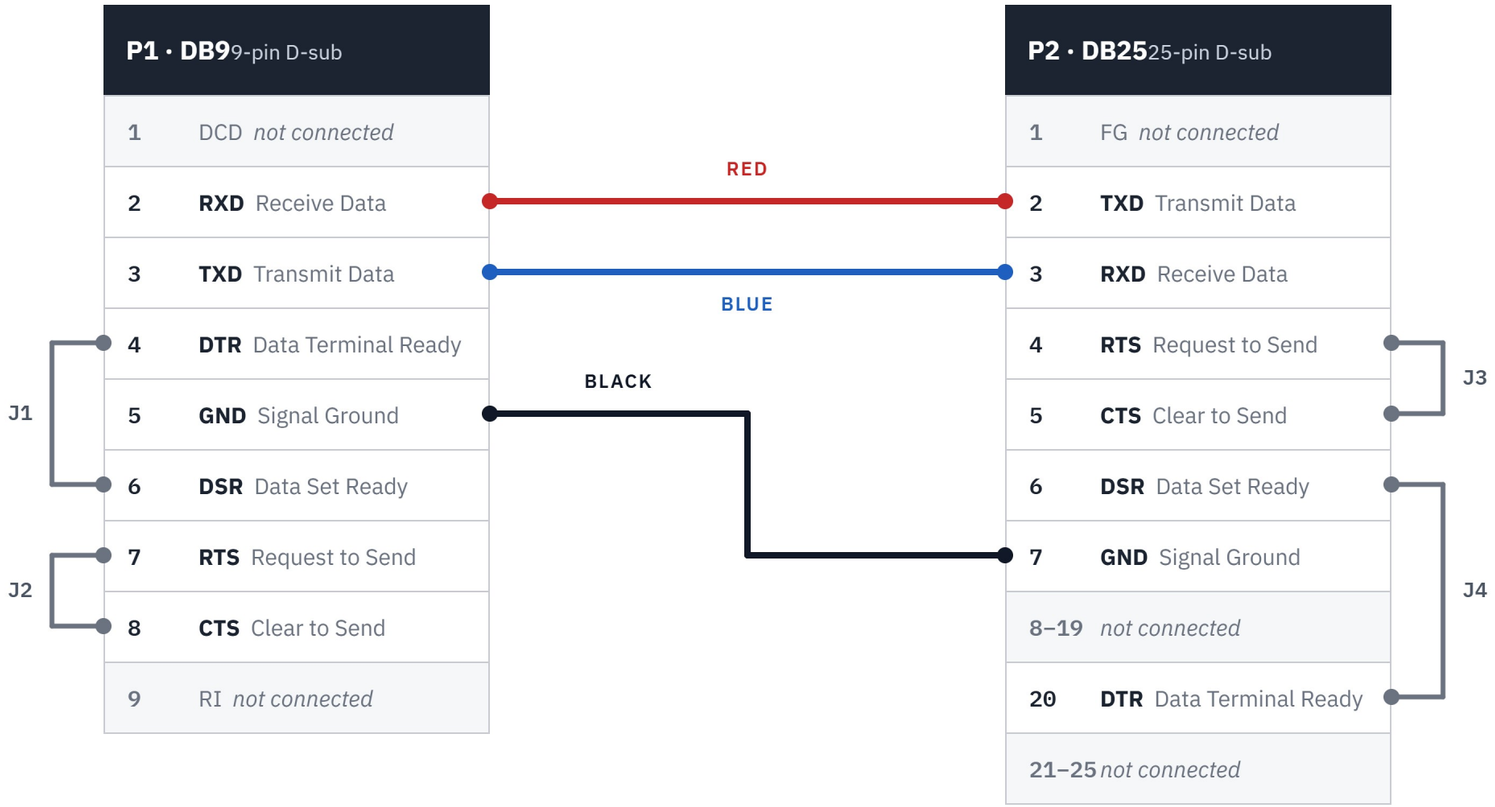
DB9 to DB25 Serial Adapter

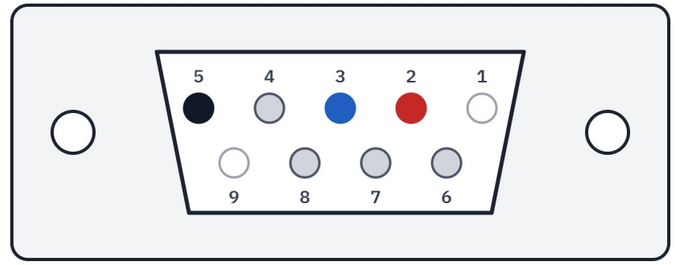
RS-232 adapter cable · 3-wire null-modem with handshake loopback at each end

WIRING SCHEMATIC

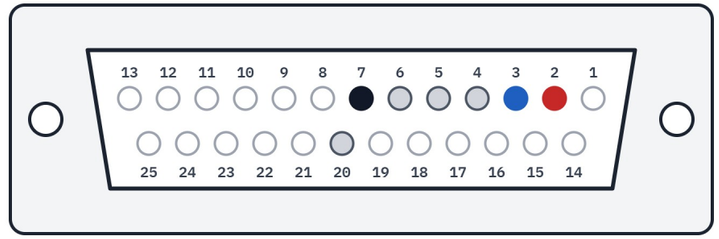


CONNECTOR PIN LAYOUT

P1 · DB9 9-pin



P2 · DB25 25-pin



Shown from the solder side of a male connector (same layout as the mating face of a female).

Red wire · Blue wire · Black wire · Jumpered · Not connected

WIRE LIST

WIRE	DB9 PIN	DB25 PIN	FUNCTION
Red	**2** RXD	**2** TXD	Data, DB25 → DB9
Blue	**3** TXD	**3** RXD	Data, DB9 → DB25
Black	**5** GND	**7** GND	Signal ground

JUMPERS

REF	END	PINS	LOOPS BACK
J1	DB9	4 ↔ 6	DTR → DSR
J2	DB9	7 ↔ 8	RTS → CTS
J3	DB25	4 ↔ 5	RTS → CTS
J4	DB25	6 ↔ 20	DTR → DSR

NOTES

1. Data lines cross over: DB25 TXD (pin 2) drives DB9 RXD (pin 2); DB9 TXD (pin 3) drives DB25 RXD (pin 3).
2. Handshake signals are looped back locally at each end (J1–J4); no flow-control lines run through the cable.
3. Pins not shown as wired or jumpered are not connected.

TITLE			
DB9 to DB25 Serial Adapter · Wiring			
DRAWN	DATE	REV	SHEET
Jeremy	2026-10-06	A	1 of 1