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# RS-232

## Modem Cable - Straight Cable DB9 to DB9

DTE Device (Computer)		DB9	DTE to DCE Connections		DCE Device (Modem)		DB9	
Pin#	DB9	RS-232 Signal Names		Signal Direction		Pin#	DB9 RS-232 Signal Names	
#1	Carrier Detector (DCD)	CD	←		←	#1	Carrier Detector (DCD)	CD
#2	Receive Data (Rx)	RD	←		←	#2	Receive Data (Rx)	RD
#3	Transmit Data (Tx)	TD	→		→	#3	Transmit Data (Tx)	TD
#4	Data Terminal Ready	DTR	→		→	#4	Data Terminal Ready	DTR
#5	Signal Ground/Common (SG)	GND	→		→	#5	Signal Ground/Common (SG)	GND
#6	Data Set Ready	DSR	←		←	#6	Data Set Ready	DSR
#7	Request to Send	RTS	→		→	#7	Request to Send	RTS
#8	Clear to Send	CTS	←		←	#8	Clear to Send	CTS
#9	Ring Indicator	RI	←		←	#9	Ring Indicator	RI
Soldered to DB9 Metal - Shield		FGND	→		→	Soldered to DB9 Metal - Shield		FGND

## Modem Cable - Straight Cable DB25 to DB25

DTE Device (Computer)		DB25	DTE to DCE Connections		DCE Device (Modem)		DB25	
Pin#	DB25	RS-232 Signal Names		Signal Direction		Pin#	DB25 RS-232 Signal Names	
#1	Shield to Frame Ground	FGND	→		→	#1	Shield to Frame Ground	FGND
#2	Transmit Data (Tx)	TD	→		→	#2	Transmit Data (Tx)	TD
#3	Receive Data (Rx)	RD	←		←	#3	Receive Data (Rx)	RD
#4	Request to Send	RTS	→		→	#4	Request to Send	RTS
#5	Clear to Send	CTS	←		←	#5	Clear to Send	CTS
#6	Data Set Ready	DSR	←		←	#6	Data Set Ready	DSR
#7	Signal Ground/Common (SG)	GND	→		→	#7	Signal Ground/Common (SG)	GND
#8	Carrier Detector (DCD)	CD	←		←	#8	Carrier Detector (DCD)	CD
#20	Data Terminal Ready	DTR	→		→	#20	Data Terminal Ready	DTR
#22	Ring Indicator	RI	←		←	#22	Ring Indicator	RI

**ESD**

**Power**

**Connectors**