



Schematic & Parts List: RS232/USB Port-Powered 1200-Baud Packet Modem

1200 Baud RS232/USB Self Powered Modem Parts List:

Quantity	Part Details /ID
1	DB9F RS232 Connector R/A
1	DIN5 PCB Connector
1	USB PCB Connector **
1	Crystal 3.57MHZ
1	MX614 PDIP
1	FT232RL **
1	78L05 +5V Regulator
1	74HC04 (U2)
1	BC547B TO92
7	1N4148
2	LED 3mm (PTT, DET)
2	Bourns Preset 10K
5	Headers with shorting pins
1	Ferrite Bead
1	16 DIP Socket
1	14 DIP Socket

Resistors	
R1	100k
R2	100k
R3	100k
R4	100k
R5	100k
R6	10k
R7	100k
R8	100k
R9	2.2k
R10	2.2k
R11	10k
R12	3.3k
Capacitors	
*C1	470
*C2	1nf
*C3	470
C4	100nf
C5	100nf
C6	100nf
C7	100nf
C8	10uf
C9	100nf
C10	10uf
C11	100nf
C12	100pf
C13	18pf
C14	18pf
C15	100pf
C16	100nf
C17	100nf
C18	100nf
C19	100nf
C20	270pf

* Install only if required for USB Modem Kits

** Not present on RS232 Modem Kits

