

## Bill of Materials

Part	Qty	Value	Description
C1 - C6	6	0.1uF	Unpolarized capacitor
C7	1	33pF	Unpolarized capacitor
C8	1	100pF	Unpolarized capacitor
C9 - C12	4	1.0uF	Polarized capacitor
D1 - D5	5	1N4148	Standard switching diode, DO-35
J1	1		Connector, double row, 02x20
J2	1		Connector RS232 D-SUB Male 9-pins
J3	1		Connector, single row, 01x06
JP1	1		Jumper, 3-pole, pins 1+2 closed/bridged
JP2	1		Jumper, 2-pole, open
JP3, JP4	2		Jumper, 3-pole, pins 1+2 closed/bridged
R1	1	1M	Resistor
R2	1	10K	Resistor
U1	1	74LS30	8-input NAND gate
U2, U3	2	74LS02	Quad 2-input NOR gate
U4	1	MC6850	Asynchronous Communications Interface Adapter 1MHz
U5	1	CD4060BE	14-stage binary counter/oscillator
U6	1	MAX232	Dual RS232 driver/receiver
Y1	1	4.0Mhz	Two pin crystal

PAL-1 Serial Interface Adapter v1.0A components