

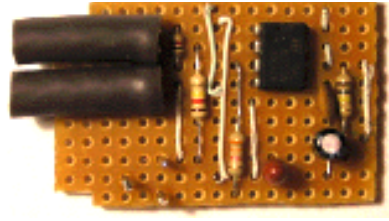
Maplin Codes

IR LED	YH70	£0.73
IR Phototransistor	NP64	0.73
555 timer	QH66	0.53
Resistor	M100K	0.13
Resistor	M1K0	0.13
Resistor	M240K	0.13
Resistor	M3.3K	0.13
Capacitor 10µF	VH07	0.12
Capacitor 0.47µF	VH02	0.11
Capacitor 0.01µF	WW18	0.11
Small bit of veroboard*		0.68
9-way socket	RK61	0.89
Socket cover	FP27	1.09
TOTAL		£5.51

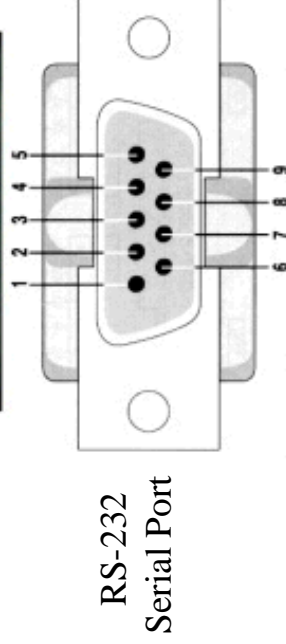
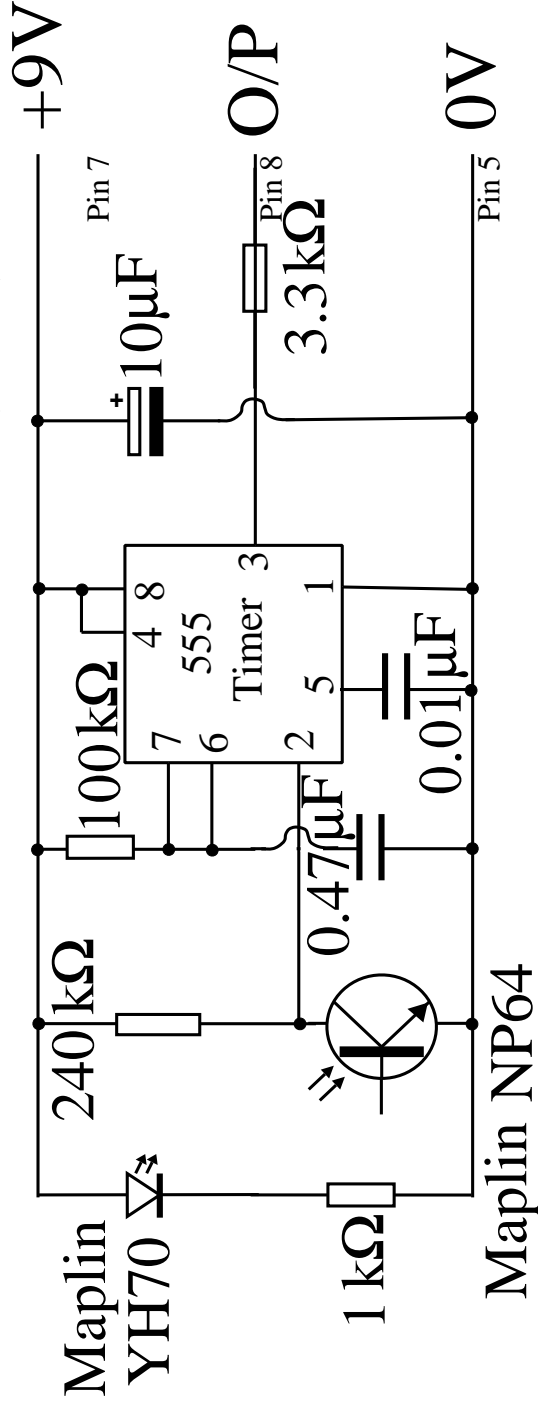
*Four circuit-boards can be cut from a piece 100 x 74.1 mm):-

Stripboard 2939	JP47	£2.70
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The circuit fits neatly inside a 35 mm film canister. The LED & photocell need to be in opaque tubes (for example the outer cover of a piece of coax cable warmed and slid over them).



Alan Griffin's Photohead With Interface (PWI)



Pin	Signal	Pin	Signal
1	Data carrier detect	6	Data set ready
2	Received data	7	Request to send
3	Transmitted data	8	Clear to send
4	Data terminal read	9	Ring indicator
5	Signal ground		

Pin-out on Socket

Pin 5	0 volts
Pin 7	+9 volts
Pin 8	Signal