



## Block Post Simulator – PCB Construction

### Block Post / Block Shelf Interface

The present version of this board is very simple!

In fact, it does nothing more than connect an IDC connector to 9 way D socket. The reason I put a separate board here, is that this is a convenient place to add block controls, should we wish to. The board actually makes allowance for home normal control, although in version illustrated here, this has been shorted out.

John M Saxton

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## List of Components – Block Post / Block Shelf Interface

description	quantity	MAPLIN code	comment
100 $\Omega$ 0.6 Watt metal film resistor			
150 $\Omega$ 0.6 Watt metal film resistor			
470 $\Omega$ 0.6 Watt metal film resistor			
680 $\Omega$ 0.6 Watt metal film resistor			
10 k $\Omega$ 0.6 Watt metal film resistor			
4 x approx 10 k $\Omega$ SIL resistor pack			not available from MAPLIN
1N4001 diode			
47 pF capacitor 0.1 inch pitch			
220 nF capacitor 0.2 inch pitch			
xxx electrolytic capacitor			
5V SPST reed relay		JH12N	
2 x 5 way IDC plug	2		
14 pin IC socket			use in pairs for 28 pin PICs
9 way right angle D plug			
9 way right angle D socket	2		
20 mA LED – red			
20 mA LED – green			
20 mA LED – yellow			
20 mA LED – orange			
4 way DIL switch			
7805 voltage regulator			