

Parts list for DCC programmer

Resistors 0.25W 5% UOS				Rapid No.	Cost					Rapid No.	Cost
R1	220R				0.01	R14	10K				0.01
R2	3K3				0.01	R15	2K2				0.01
R3	2K2				0.01	R16	1K				0.01
R4	1K				0.01	R17	10K				0.01
R5	100K				0.01	R18	10K				0.01
R6	33K				0.01	R19	10K				0.01
R7	100K				0.01	R20	10K				0.01
R8	47K				0.01	R21	R47	2.5W	62-4026		0.14
R9	820R				0.01	R22	4K7				0.01
R10	330K				0.01	R23	4K7				0.01
R11	1K				0.01	R24	4K7				0.01
R12	100K				0.01	R25	4K7				0.01
R13	470K				0.01	R26	4K7				0.01
						R27	2K2				0.01
RV1	1K	Pot	voltage set	65-0705	0.38						
	or	trimpot		68-0315	0.90						
RV2	10K	trimpot	LCD contrast	68-0330	0.90						
Capacitors											
C1	2200uF	25v	electrolytic	11-0330	0.32	C8	0.1uF	50v	ceramic	08-0235	0.06
C2	0.1uF	50v	ceramic	08-0235	0.06						
C3	47uF	35v	electrolytic	11-0345	0.05	C10	10uF	10v	tantalum	11-0906	0.11
C4	0.1uF	50v	ceramic	08-0235	0.06	C11	10uF	10v	tantalum	11-0906	0.11
C5	10uF	10v	tantalum	11-0906	0.11	C12	0.1uF	50v	ceramic	08-0235	0.06
C6	0.22uF	63v	polyester	10-3224	0.10	C13	0.1uF	50v	ceramic	08-0235	0.06
Diodes						ICs					
D1	1N4002			1N4002	0.05	U1	PIC 16F84-04/P			73-2424	3.30
D2	1N4002			1N4002	0.05	U2	LM339			LM339	0.25
D3	1N4002			1N4002	0.05	U3	L293E			L293E	3.20
D4	1N4002			1N4002	0.05	U4	7805			7805-STM	0.35
D5	1N4148			1N4148	0.04	U5	LM317			LM317T	0.35
D6	UF4002			UF4002	0.09	U6	DS1233-10			DS1233-10	1.23
D7	UF4002			UF4002	0.09						
D8	UF4002			UF4002	0.09						
D9	UF4002			UF4002	0.09						
						Transistor					

D10	1N4002		1N4002	0.05	Q1	ZTX302	81-0200	0.12
LED	5mm	green	55-0120	0.09	Resonator			
LED	5mm	yellow	55-0125	0.09	X1	4.00 MHz	90-0625	0.35
	Keypad	4 x 3	78-0305	2.40				
	PCB switches	4 off	78-0150	1.28				
	LCD display	16 x 2	57-0910	6.95				
	Transformer	2x15v 6VA	88-0265	3.30				
	Box		30-0325	3.60				
	Sounder		35-0115	0.65				
	5 way housings	2 off	22-0920	0.16 *		* optional		
	10 way housings	2 off	22-0940	0.26 *				
	5 way headers	2 off	22-0965	0.32 *				
	10 way headers	2 off	22-0985	0.62 *				
	Crimp terminals	30 off	22-1097	1.70 *(100)				
	LED mounts	2 off	55-0165	0.10				
	Fuse holder		26-0160	0.26				
	Fuse	0.25A (T)	26-0230	0.09				
	Heatsink	for U4	36-0115	0.19				
	Stick-on feet	4 off	31-0500	3.95 *(99 sheet)				
	IC socket	18 way	22-0165	0.10				
	IC socket	20 way	22-0170	0.11				
	IC socket	14 way	22-0155	0.08				
	Red terminal		17-0230	0.44				
	Black terminal		17-0245	0.44				
	Strain relief bush		04-0250	0.05				
	Main PCB		MERG					
	Small PCB		MERG					
	Nuts, bolts etc.							
	Labels		MERG					
	Wire							
	Mains cable	3 amp						
	Mains plug							