

<u>Qty</u>	<u>Ref</u>	<u>Part No</u>	<u>Description</u>
3	Q2, Q4, Q5	2N2222A	Transistor
1	Q3	2N2907A	Transistor
1	Z1	1N5232B	5.6 Volt 5% 1/2 Watt Zener Diode
1	D2	1N5817	1A 20V Schottky Rectifier
4	D1, D3, D4, D5	1N4148	Diode
1	D6	LED	3mm RED $I_{\max} = 10\text{mA}$
1	Y1	3.6864MHz	Crystal
7	C3 - 8, C12	100nF	Ceramic Capacitor
2	C1, C2	22pF	Ceramic Capacitor
3	C9 - 11	47uF	25V Electrolytic Capacitor
1	L1	330uH	Fixed Inductor PCB mounted (looks like resistor)
1	R 17	33R	0.25W Resistor
10	R6 - 9, R18, R30 - 33, R36	100R	0.25W Resistor
4	R5, R13 - 15	330R	0.25W Resistor
2	R12, R29	1K	0.25W Resistor
11	R1, R19 - 20, R22 - 26, R28, R34 - 35	10K	0.25W Resistor
2	R2, R16	4K7	0.25W Resistor
1	R 3	22K	0.25W Resistor
1	R 21	100K	0.25W Resistor
1	R 27	150R	0.25W Resistor
1	R 4	10K	6-pin SIP
1	U1	PIC16F876	DIP microcontroller (Get this from Mr Ehlers and let him program it for you)
1	U2	MAX232	
1	U3	78L12	Voltage regulator
1	U1		DIP 28 Gold Plated IC Holder
1	U2		DIP 16 Gold Plated IC Holder
1	J3		RJ-12 socket PCB mounted
2			RJ-12 plug
1			Flat 6-core cable (similar to telephone cable) used for connecting ICD1 to MultiPIC board (ask Mr Ehlers to help you crimp the RJ-12 plugs onto it)
1	J2		DB9 male socket (right angle mount)