



## Contents of Your VT6-FK Kit

P/N	Description	Quantity
VT6-1B	VT6 PC Board, revision 1B	1

***These parts are contained in the package labelled VT6-PK***

DS89C450-QNG	Ultra High Speed Microcontroller, UNPROGRAMMED	1
AT89LP4052	Keyboard microcontroller, PRE-PROGRAMMED	1
ATF2500C-20JC	EE CPLD 20ns PLCC44	1

***These parts are contained in the package labelled VT6-FK1***

MAX232CPE+	RS232 Driver 5V	1
AT24C01B-PU	128x8 I2C EEPROM	1
	128Kx8 SRAM 55ns	1
	25.175MHz oscillator	1

***These parts are contained in the package labelled VT6-FK2***

1N4001	50PIV 1A power diode	1
1N914	small signal diode	1
7805	5.0V fixed output TO-220 regulator	1
	47 ohm 1/8W 5% carbon resistor	2
	5x4.7K SIP6 resistor	1
	3x330 ohm SIP6 resistor	1
	1uF 35V radial lead tantalum capacitor	4
	10uF 6V radial lead tantalum capacitor	1
	0.01uF 50V ceramic mono capacitor	6
	0.1uF 50V ceramic mono capacitor	1
	100uF 16V radial lead aluminum capacitor	1
	2mm Red LED 5V	1
	Magnetic Buzzer 5VDC	1
	HD-15 Female PC mount right angle	1
	Coaxial power jack 2.1 x 5.5mm	1
	DB-9 Male PC mount right angle	1
	6 pin Mini-DIN Female PC mount right angle	1
	2 pin 0.1" header w/shorting plug	1
	DIP8 IC socket	1
	DIP16 IC socket	1
	DIP20 IC socket (0.300")	1
	DIP32 IC socket (0.600")	1
	PLCC44 IC socket	2
	#4-40 mounting hardware for VR1	1

**IMPORTANT!**

The DS89C450 MCU supplied with your kit is unprogrammed. **You must download firmware to it, as described in the manual, before you can use it.** The ATF2500C CPLD and AT89LP4052 APU are, however, already programmed.



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J5, the two pin 5V power connector, and J6, the SBC6120 serial connector, are not included with this kit. You can add them if you wish, however these parts are not necessary for the operation of the VT6. ***If you plan to use an external 5V supply, be sure to read the discussion of this in the User's Manual first.***

You may return any kit for a full refund, less the shipping charges, ***provided that it is unopened and unused***. Unless defective, parts and kits ***cannot be returned once construction is started***. Look it over carefully and be sure it's what you want *before* you start soldering.

If any part we ship you is defective, we'll replace it provided that you return it with in 90 days of purchase. This doesn't cover parts that are damaged by your mistake, so if you put that IC in backwards and blow it up, please don't send it back to us! All the expensive and hard to get ICs such as CPUs, memories, PLDs, EPROMs, etc. are 100% tested by Spare Time Gizmos before they are shipped, and we know those are OK when they leave our door. If one of the other parts doesn't work and you don't think it's your fault, then we'll take your word for it and replace it for you.

We're sorry, but our warranty does not extend to parts that are damaged by improper construction techniques, especially poor soldering, or ICs damaged by static electricity.