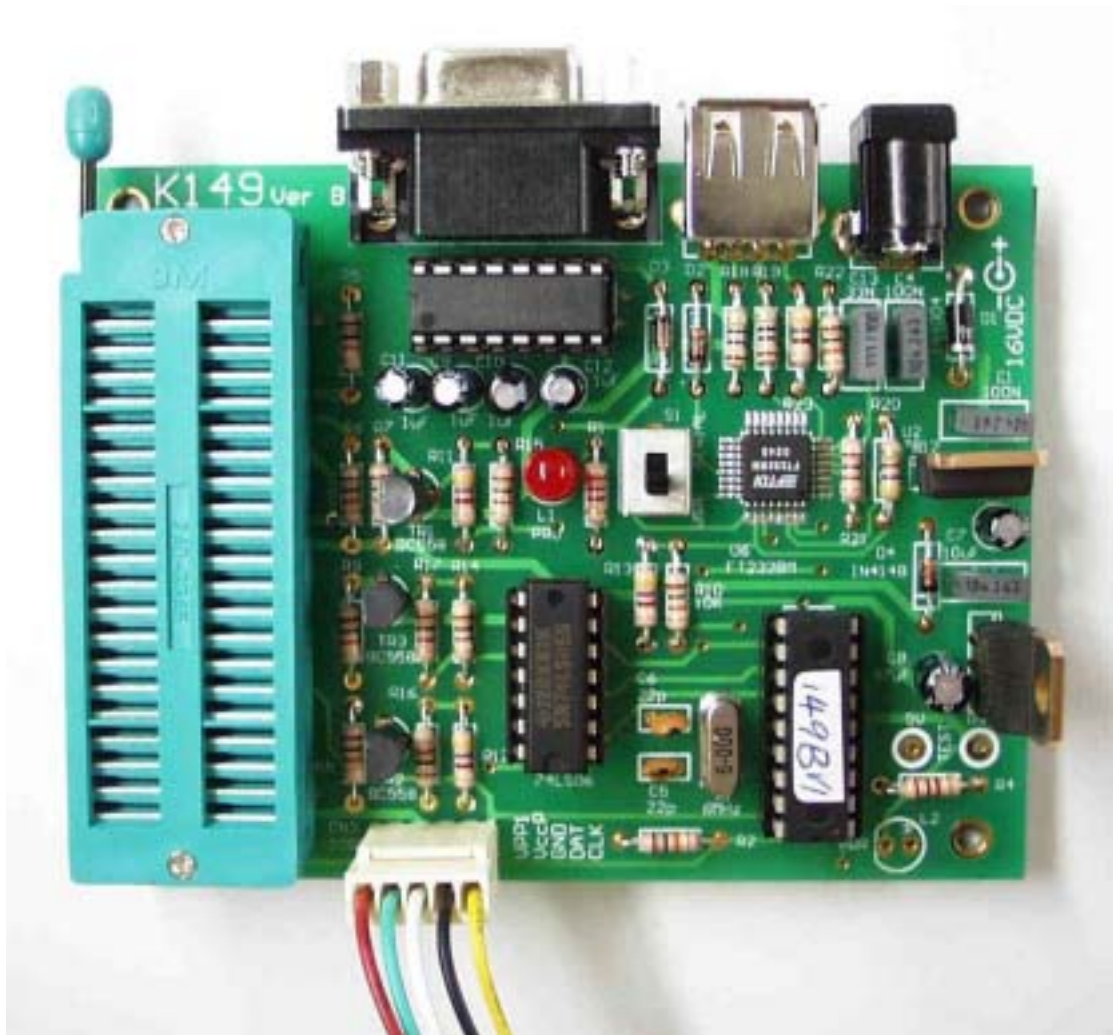
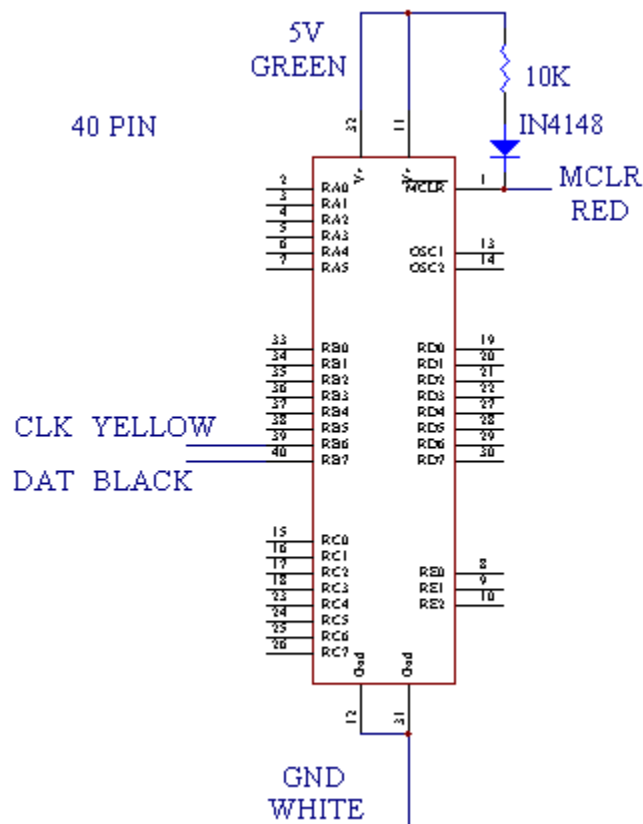
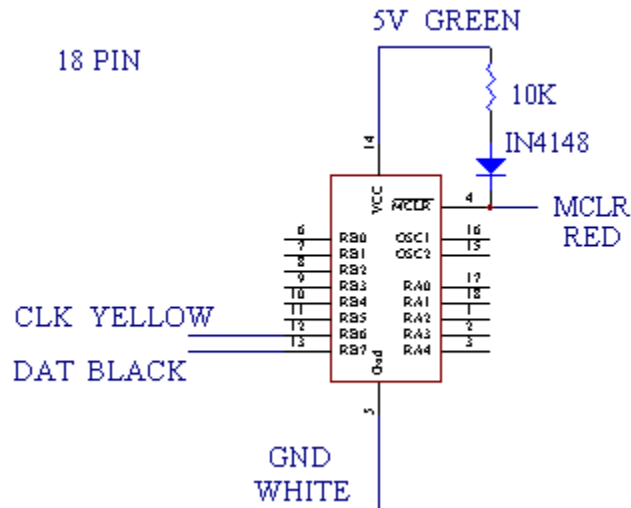


USB PIC 编程器



原理图如下：



ICSP PROGRAMMING EXAMPLES

PARTS LIST

Used	Part Type	Designators	Description
<u>SEMICONDUCTORS</u>			
1	74LS06	U4	OC Hex Inverter
1	ICL232	U3	RS232 transiever
1	PIC16F628	U5	PIC Processor
1	FT232BM	U6	USB
1	78L08	U1	Regulator
1	7805	U2	Regulator
1	4MHz	X1	Crystal
1	6MHz	X2	Crystal
4	BC558	TR1 TR2 TR3 TR5	PNP Transistor
1	BC547	TR4	NPN Transistor
1	IN4004	D2	Diode
2	IN4148	D1 D3	Diode
1	PWR	L1	3mm LED
1	VPP1	L4	3mm LED
1	VPP2	L3	3mm LED
1	VCCP	L2	3mm LED

RESISTORS all 1/4W 5%

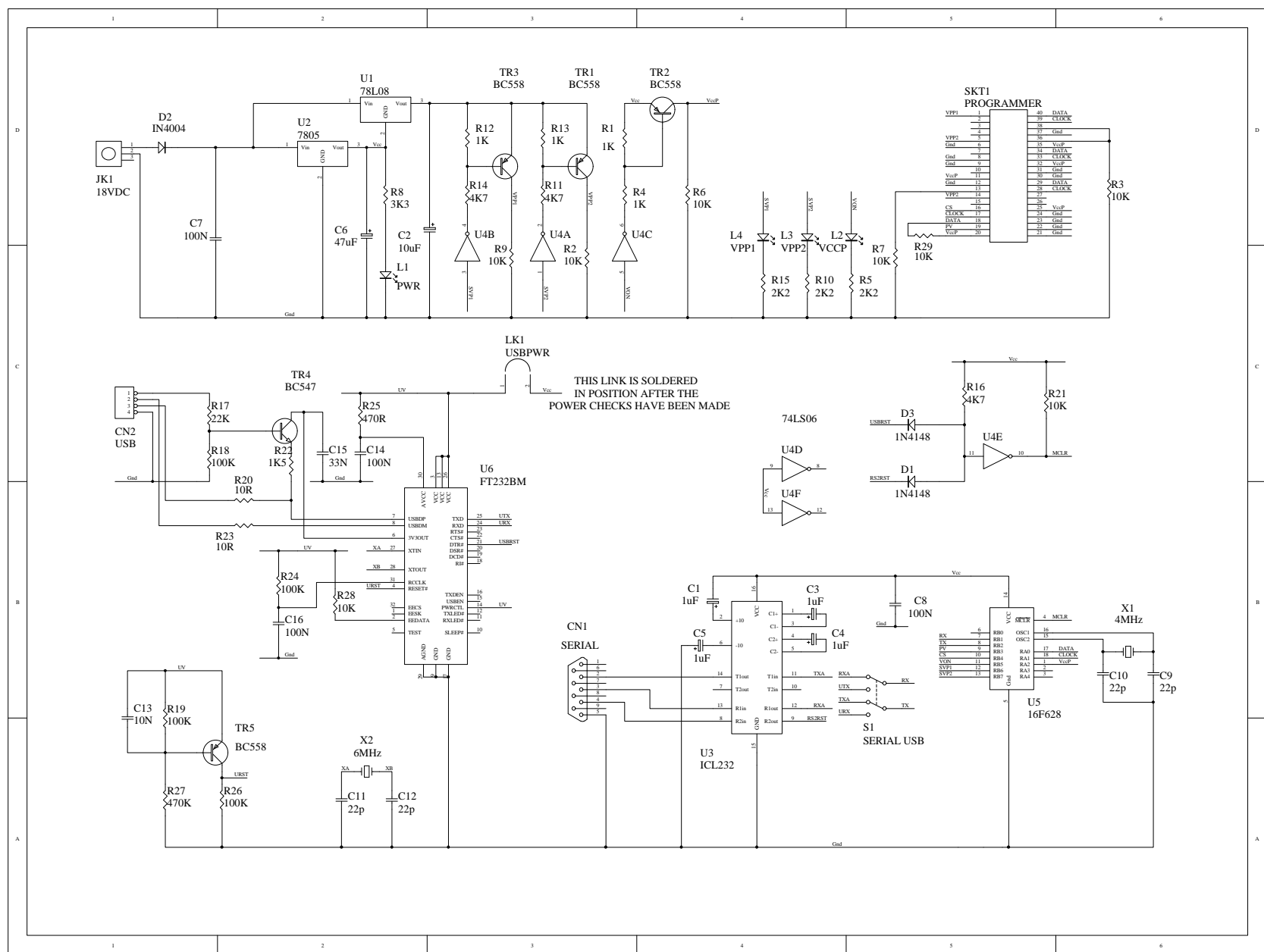
2	10R	R20, R23
1	470R	R25
5	1K	R1, R4, R12, R13
1	1K5	R22
3	2K2	R5, R10, R15
1	3K3	R8
3	4K7	R11, R14 R16
8	10K	R2, R3, R6, R7, R9 R21 R28, R29
1	22K	R17
4	100K	R18, R19, R24, R26
1	470K	R27

CAPACITORS

4	22p	C9, C10, C11, C12	Ceramic
1	10N	C13	MKT
1	33N	C15	MKT
4	100N	C7, C8, C14, C16	MKT
4	1uF	C1 C3 C4 C5	Electrolytic 16V
1	10uF	C2	Electrolytic 16V
1	47uF	C6	Electrolytic 16V

MISCELLANEOUS

1	BLANK PCB		PCB1
1	IC SOCKET		18 pin
1	SERIAL	CN1	Female RA DB9
1	USB	CN2	UT-5676
4	FEET		Rubber Feet
1	JACK	JK1	3 Pin Power Jack
1	SWITCH	SW1	DPDT
1	HEATSINK		
1	SCREW & NUT		



支持器件如下：

12C508	16C65A	16C77	16F76	16F877
12C508A	16C65B	16C710	16F77	16F877A
12C509	16C66	16C711	16F737	18F242
12C509A	16C66A	16C712	16F747	18F248
12C671	16C67	16C716	16F767	18F252
12C672	16C620	16C745	16F777	18F258
12CE673	16C620A	16C765	16F83	18F442
12CE674	16C621	16C773	16F84	18F448
12F629	16C621A	16C774	16F84A	18F452
12F675	16C622	16C83	16F87	18F458
16C505	16C622A	16C84	16F88	18F1220
16C554	16C71	16F627	16F818	18F1320
16C558	16C71A	16F627A	16F819	18F2220
16C61	16C72	16F628	16F870	18F2320
16C62	16C72A	16F628A	16F871	18F4220
16C62A	16C73	16F630	16F872	18F4320
16C62B	16C73A	16F648A	16F873	
16C63	16C73B	16F676	16F873A	Added diypack23:
16C63A	16C74	16F684	16F874	16F5x
16C64	16C74A	16F688	16F874A	10Fxxx 18F6525 6621
8525 8621 (all beta)				
16C64A	16C74B	16F73	16F876	
16C65	16C76	16F74	16F876A	

此编程器制作资料全公开，其固件及驱动程序下载地址：

<http://www.elc-mcu.com/bbs> 的 diy 专区