

MPV8 PCB For 7.4V lion/LP battery pack

1.PCB Name: **MPV8**

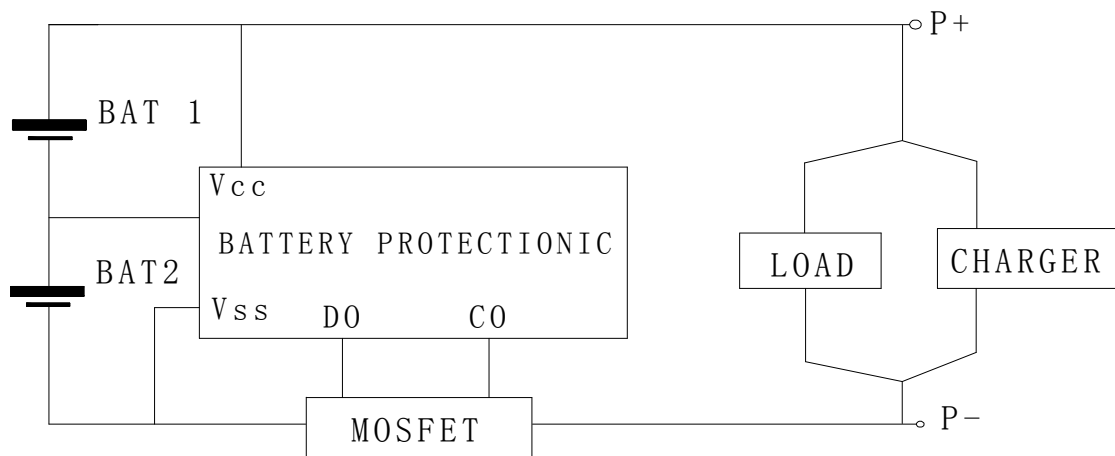
2.Major element: 292D+807D1+9014

3.Major DATA:

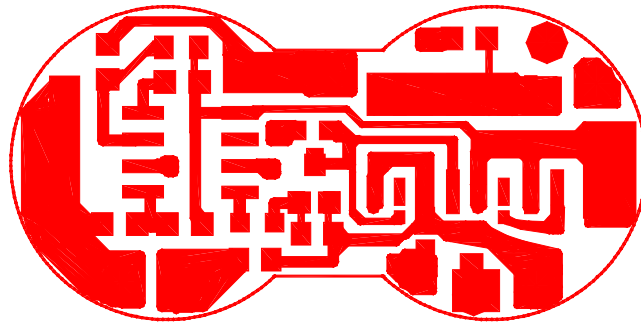
Ta=25°C

symbol	name	condition	mix	type	Max	unit
V _{DET1}	Overcharge protect voltage		8.5	8.7	8.9	V
T _{VDET1}	Delay for overcharge protect	C 0.01uf,VDD=3.6->4.3V	1.6	1.8	2.0	S
V _{DET2}	Overdischarge protect volage		4.65	4.8	4.95	V
T _{VDET2}	Delay for overdischarge protect	V _{DD} =3.6V->2.4V	87	125	165	ms
I _{DET3}	Over current protect		3	3.5	4	A
V _{DET3}	Voltage for overcurrent		0.10	0.15	0.18	V
T _{VDET3}	Delay for overcurrent protect	V _{DD} =3.0V	5.6	8	10.4	ms
T _{SHORT}	Dellay for short circuit	V _{DD} =3.0V		10	50	μ S
I _{working}	Continue current		0.2	2	3	A
I _{DD}	Working resistance current	V _{DD} =3.9V V ₋ =0V		10	20	μA
I _{STANDBY}	Standby risistance cuttent	VDD=2.0V		0.3	0.6	μA
R _D	Working resistance	VDD=4.0V		60	90	m Ω

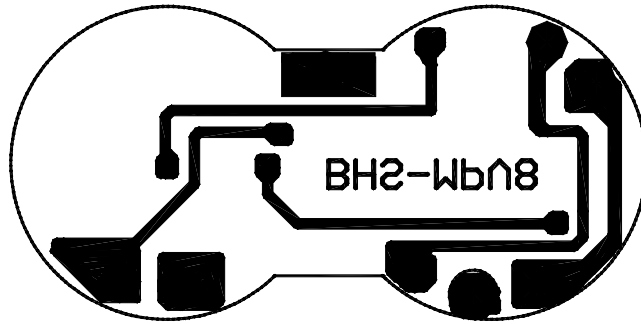
4.Elements Drawing :



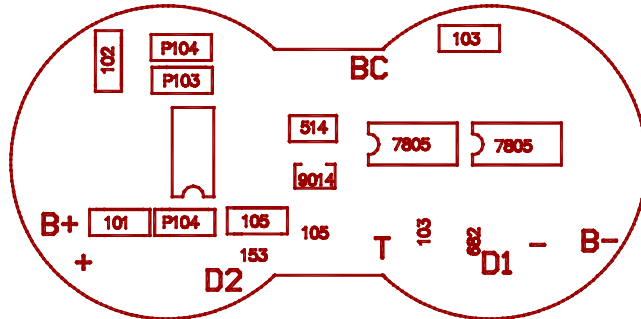
顶层线路



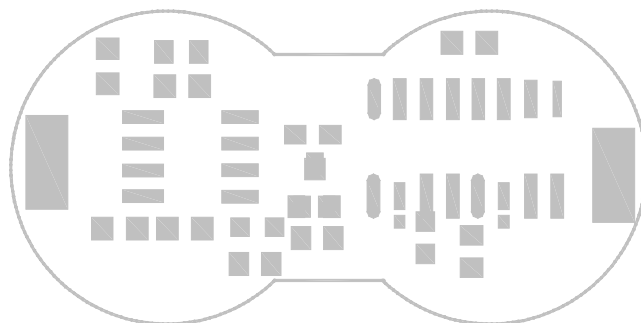
底层线路



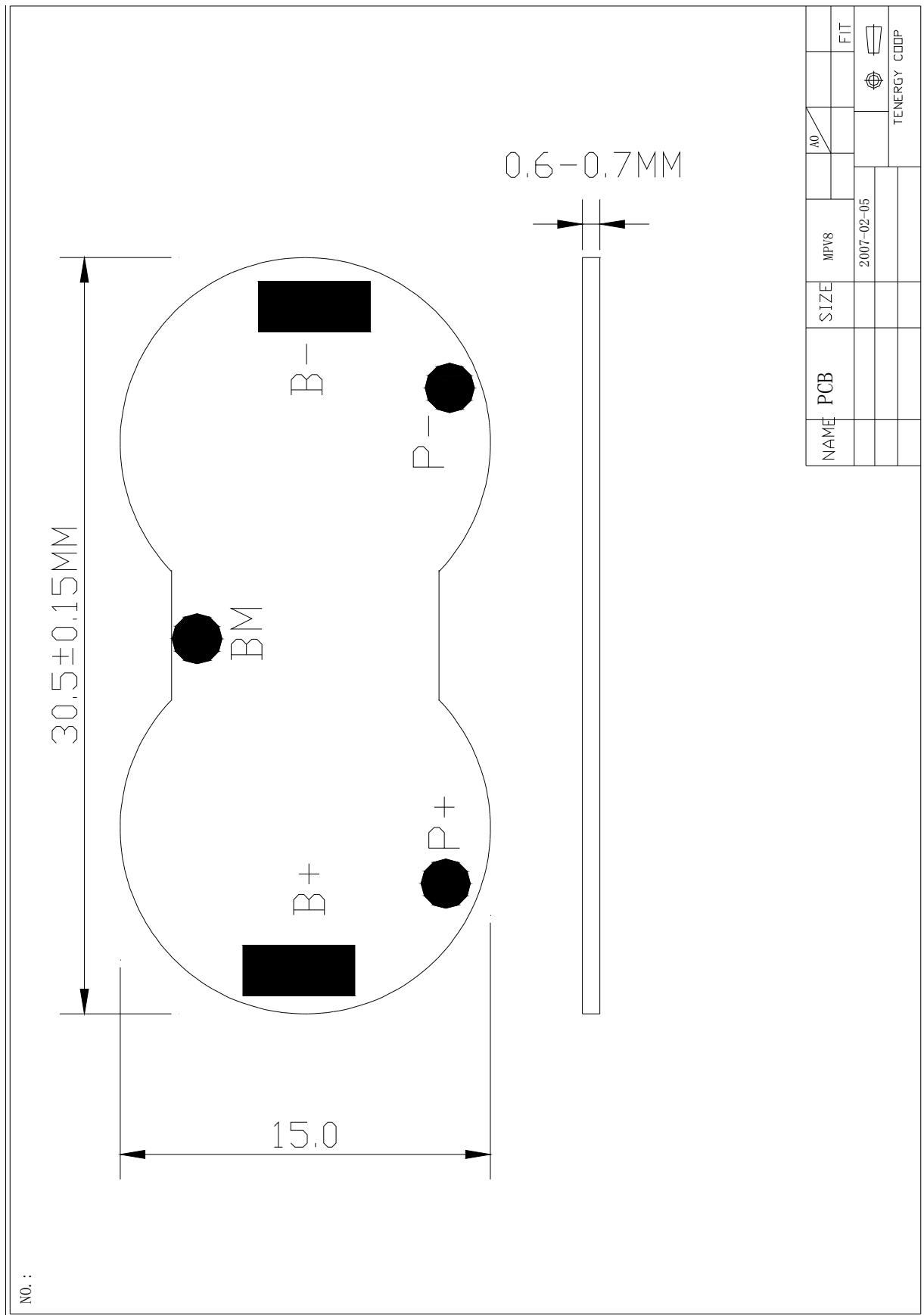
顶层字符



顶层焊盘

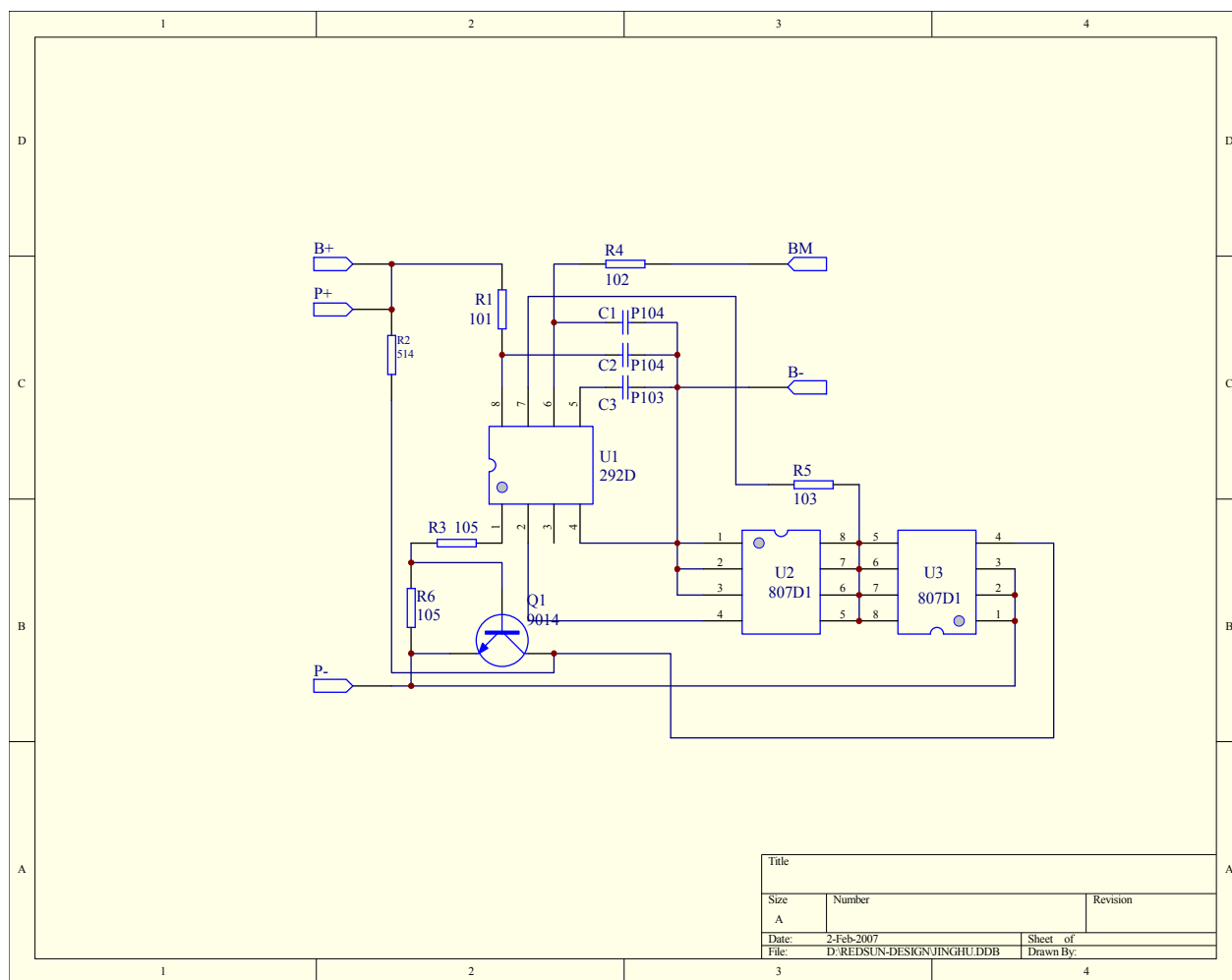


PCB SIZE DRAWING



NAME	PCB	SIZE	MPV8	A0	FIT
			2007-02-05		
					TENERGY COOP

ElectrocircuitDrawing



BOM

ITEM	SPEC	NAME	QTY	REMARK	SUPPLY
1	MM1292D	IC	1	U1	MITSUMI
2	IOR807D1	MOSFET	2	U2、U3	IOR
3	9014	dynatron	1	Q1	
4	101 (0603)	resistance	1	R1	Philips
5	514 (0603)	resistance	1	R2	Philips
6	105(0603)	resistance	2	R3、R6	Philips
7	102	resistance	1	R4	Philips
8	103	resistance	1	R5	Philips
9	P104	capacitance	2	C1、C2	Philips
10	P103	capacitance	1	C3	Philips
11	MPV8	PCB	1		锡板