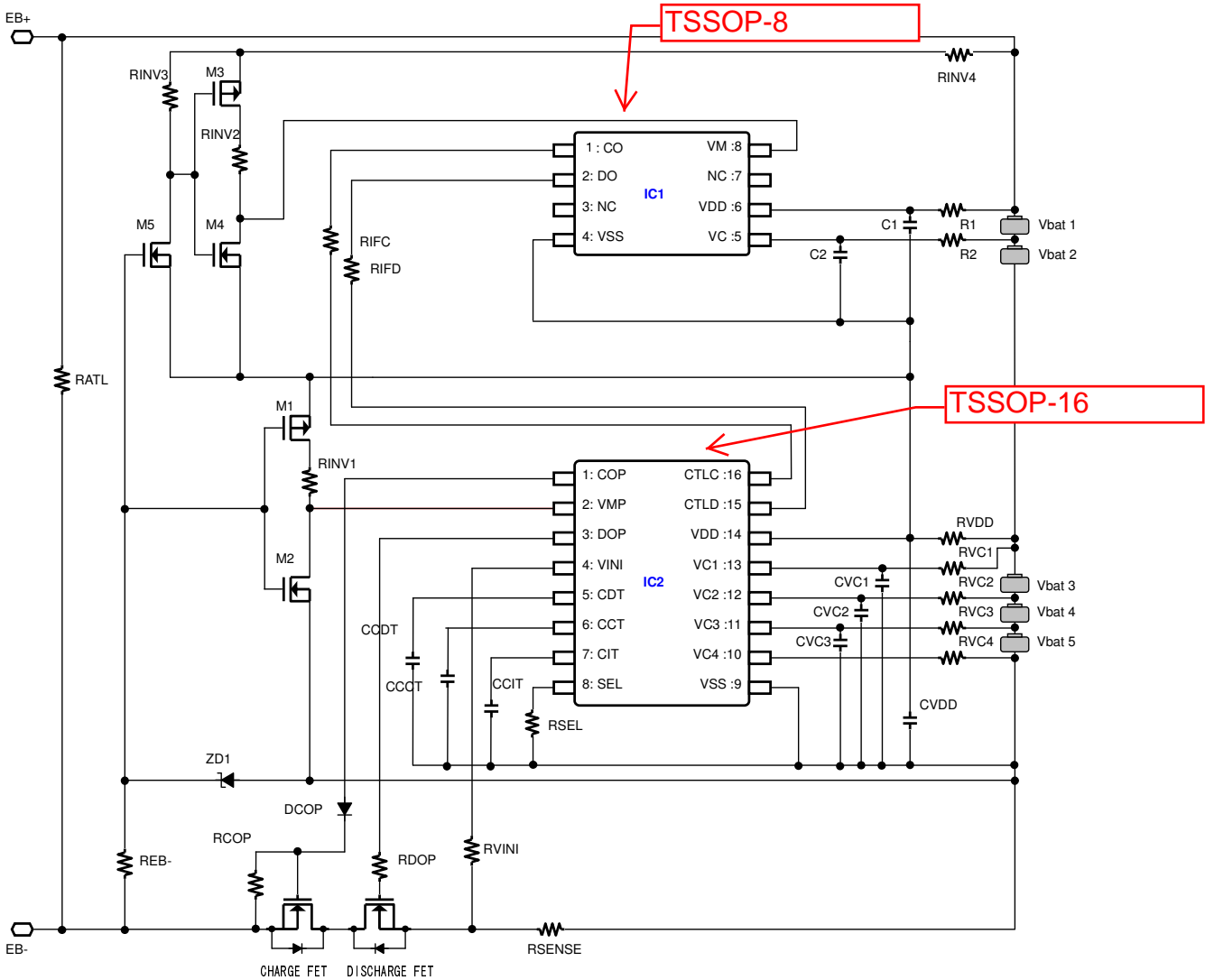


5 Cell Reference circuit with OCP



Parts list

No.	Symbol	Value	Unit	Parts name	Maker	Note
1	IC1	-	-	S-8242B	SII	Must
2	IC2	-	-	S-8204B	SII	Must
3	R1	100	Ω	MCR03	ROHM	Recommend
4	R2	1	k Ω	MCR03	ROHM	Recommend
5	C1	1	μ F	GRM188B	Mulata	Recommend
6	C2	0.1	μ F	GRM188B	Mulata	Recommend
7	RVDD	47	Ω	MCR03	ROHM	Recommend
8	RVC1	1	k Ω	MCR03	ROHM	Recommend
9	RVC2	1	k Ω	MCR03	ROHM	Recommend
10	RVC3	1	k Ω	MCR03	ROHM	Recommend
11	RVC4	1	k Ω	MCR03	ROHM	Recommend
12	CVDD	1	μ F	GRM188B	Mulata	Recommend
13	CVC1	0.047	μ F	GRM188B	Mulata	Recommend
14	CVC2	0.047	μ F	GRM188B	Mulata	Recommend
15	CVC3	0.047	μ F	GRM188B	Mulata	Recommend
16	CCCT	0.1	μ F	GRM188B	Mulata	
17	CCDT	0.1	μ F	GRM188B	Mulata	
18	CCIT	0.1	μ F	GRM188B	Mulata	
19	RSEL	1	k Ω	MCR03	ROHM	Recommend
20	RVINI	1	k Ω	MCR03	ROHM	Recommend
21	RCOP	1	M Ω	MCR03	ROHM	Recommend
22	RDOP	51	k Ω	MCR03	ROHM	Recommend
23	DCOP	-	-	1ss355	ROHM	Recommend
24	RSENSE	-	-	-	-	
25	RIFC	4.3	M Ω	MCR03	ROHM	Must
26	RIFD	4.3	M Ω	MCR03	ROHM	Must
27	M1	-	-	2SJ210	NEC	Recommend
28	M2	-	-	2SK4035	NEC	Recommend
29	M3	-	-	2SJ210	NEC	Recommend
30	M4	-	-	2SK1590	NEC	Recommend
31	M5	-	-	2SK1590	NEC	Recommend
32	RINV1	5.1	k Ω	MCR03	ROHM	Must
33	RINV2	5.1	k Ω	MCR03	ROHM	Recommend

34	RINV3	10	MΩ	MCR03	ROHM	Must
35	RINV4	100	Ω	MCR03	ROHM	Recommend
36	REB-	2	MΩ	MCR03	ROHM	Must
37	RATL	20	MΩ	-	-	Recommend
38	ZD1	-	-	UDZS27B	ROHM	Recommend
39	CHARGE FET	-	-	-	-	
40	DISCHARGE FET	-	-	-	-	

Caution

Above circuit is only for reference. It has not been confirmed whether the operation of above circuit is normal or not for all application, the example of connection and the constant do not guarantee proper operation. Please evaluate above circuit carefully with your real application condition before using it.