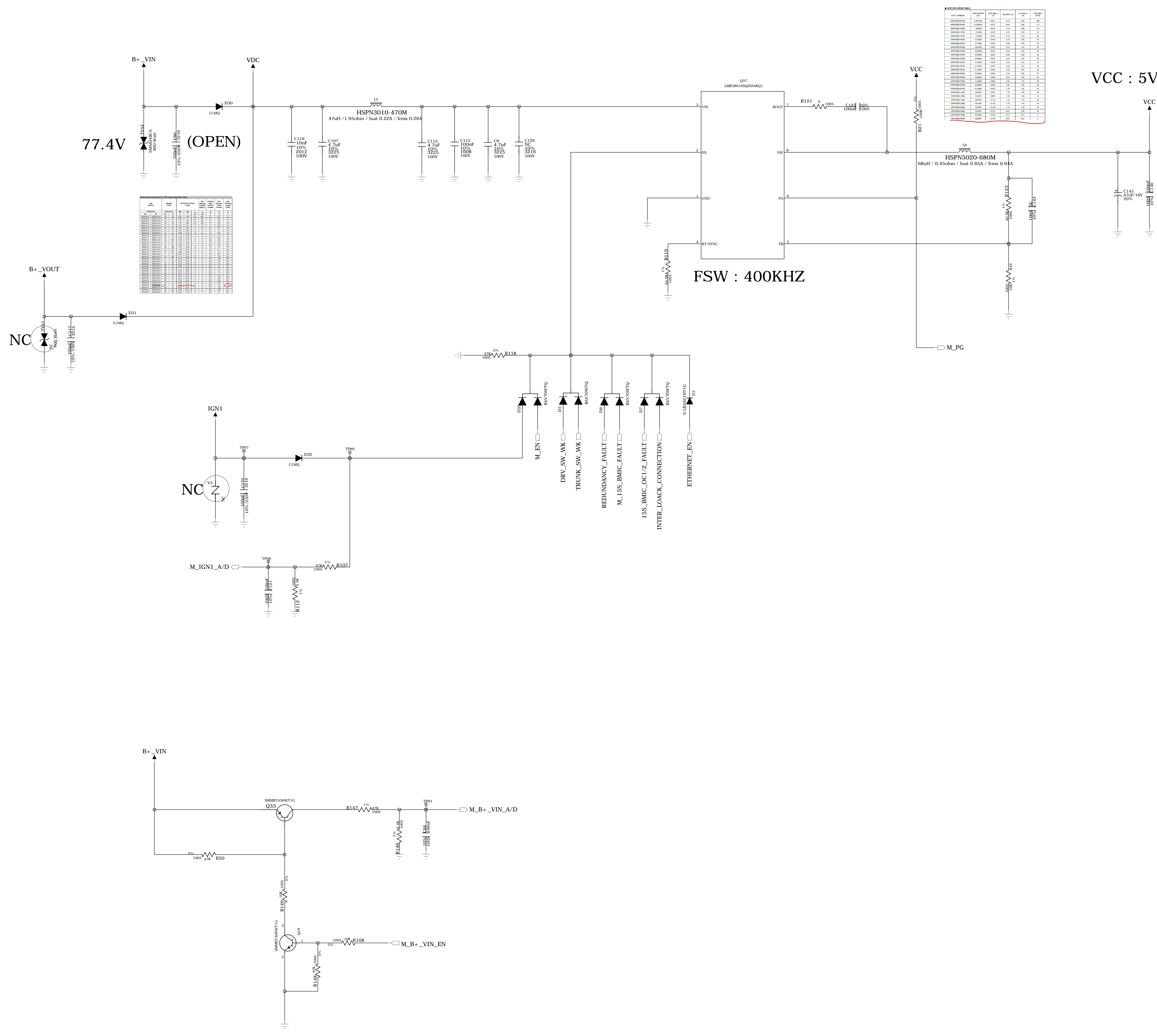


REVISION RECORD			
LTR	ECD NO.	APPROVED	DATE

B+_VIN/VOUT : 36V~56V (Min 36V - Typ 48V- Max 56V)

Iin (Max/Worst) = 5* 0.4 / (36V*0.8) = 69mA



DRAWN: JH CHO		DATED: 18.02.28		COMPANY: YURA_COPERATION	
CHECKED: JH CHO		DATED: 12.06.18		TITLE: BMS	
QUALITY CONTROL: <QC By>		DATE: <QC Date>		CODE: < Code >	SIZE: E
RELEASED: <Released By>		DATE: <Release Date>		REVISION: 2.00	REV: 2.00
DRAWN: <Scale>				SHEET: 1 OF 3	

REVISION RECORD			
ITR	ECO NO.	APPROVED	DATE

¡ Ý 36V~48~56V (1.8V-2.4V-2.8V)

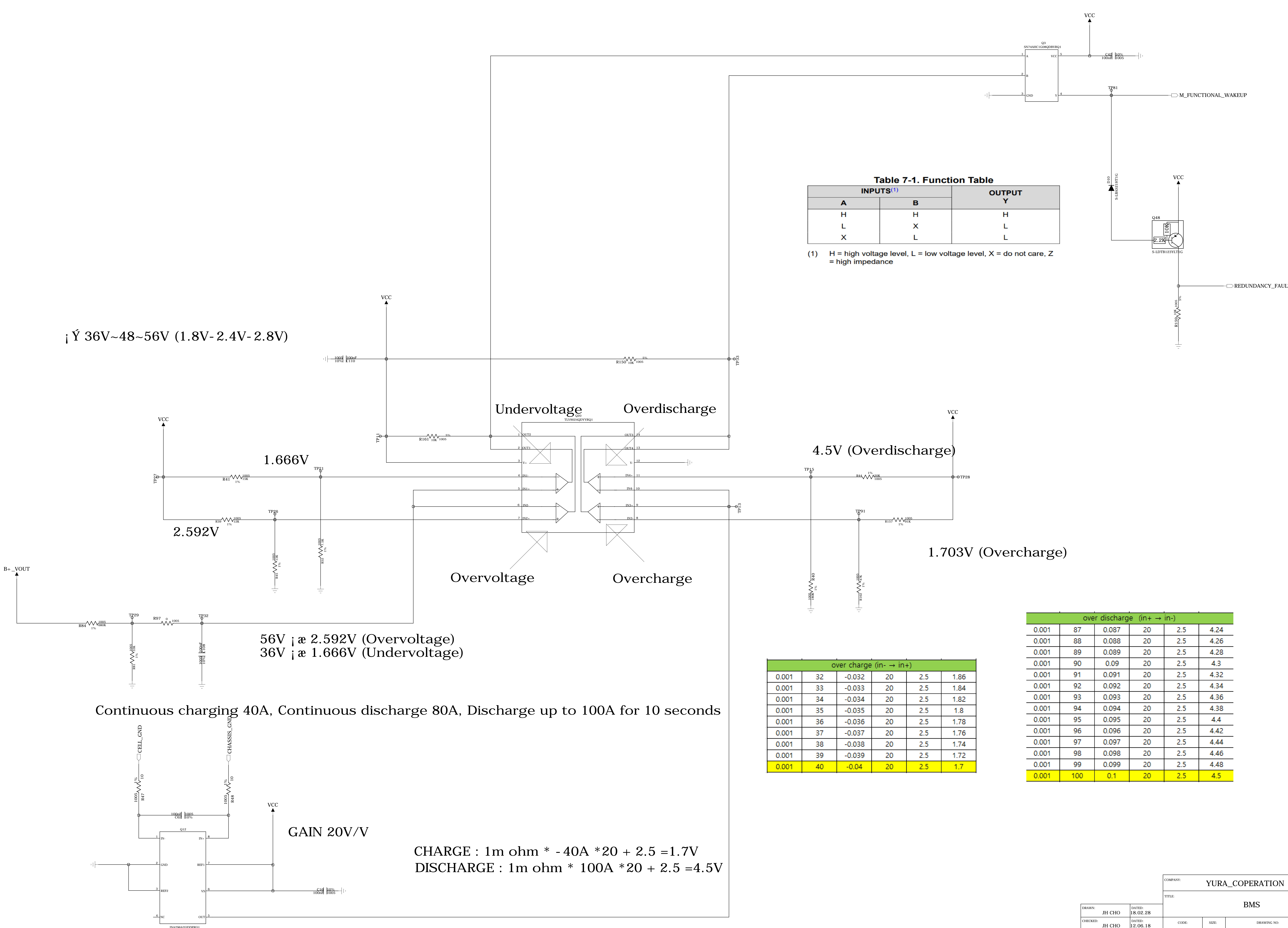


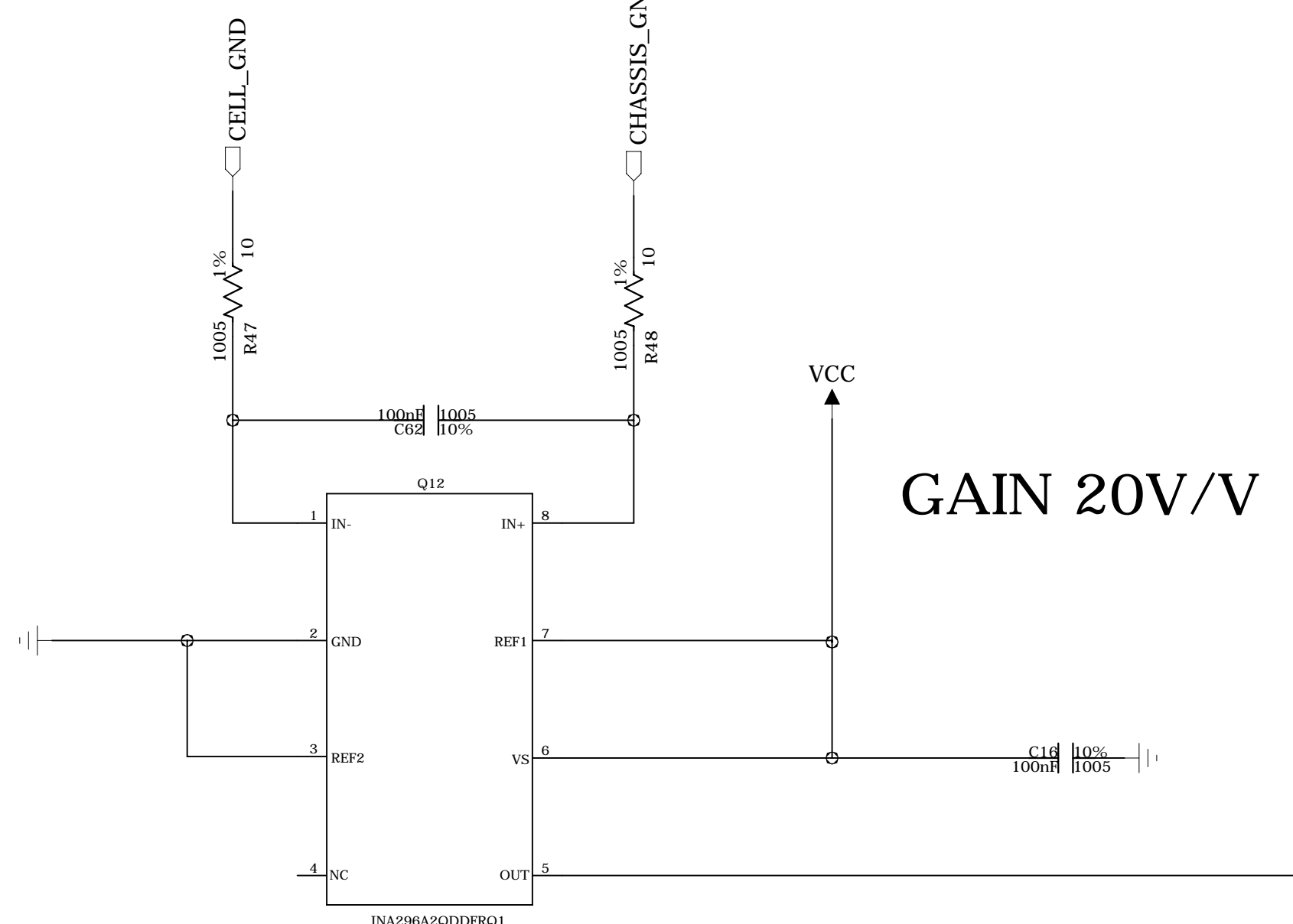
Table 7-1. Function Table

INPUTS ⁽¹⁾		OUTPUT
A	B	Y
H	H	H
L	X	L
X	L	L

(1) H = high voltage level, L = low voltage level, X = do not care, Z = high impedance

56V ¡ æ 2.592V (Overvoltage)
36V ¡ æ 1.666V (Undervoltage)

Continuous charging 40A, Continuous discharge 80A, Discharge up to 100A for 10 seconds



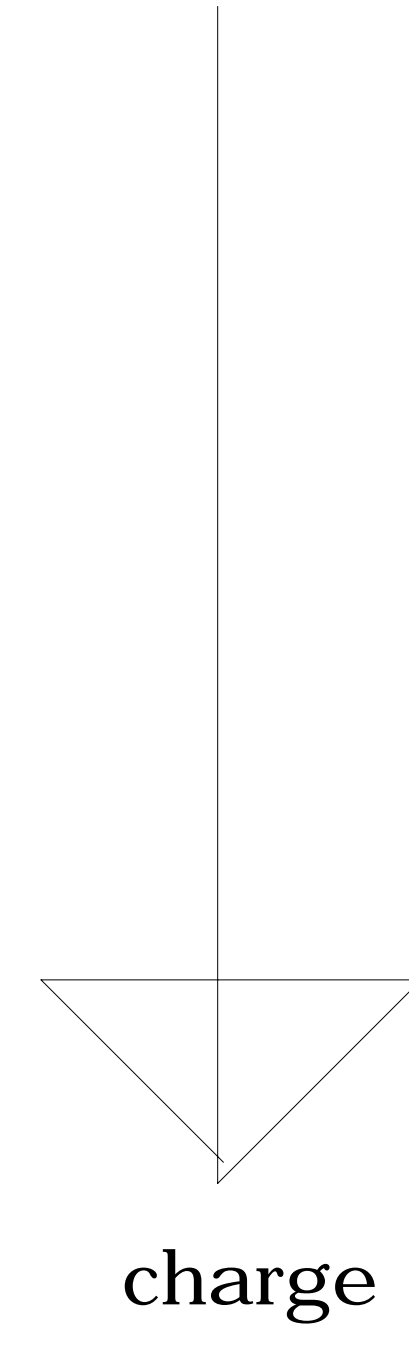
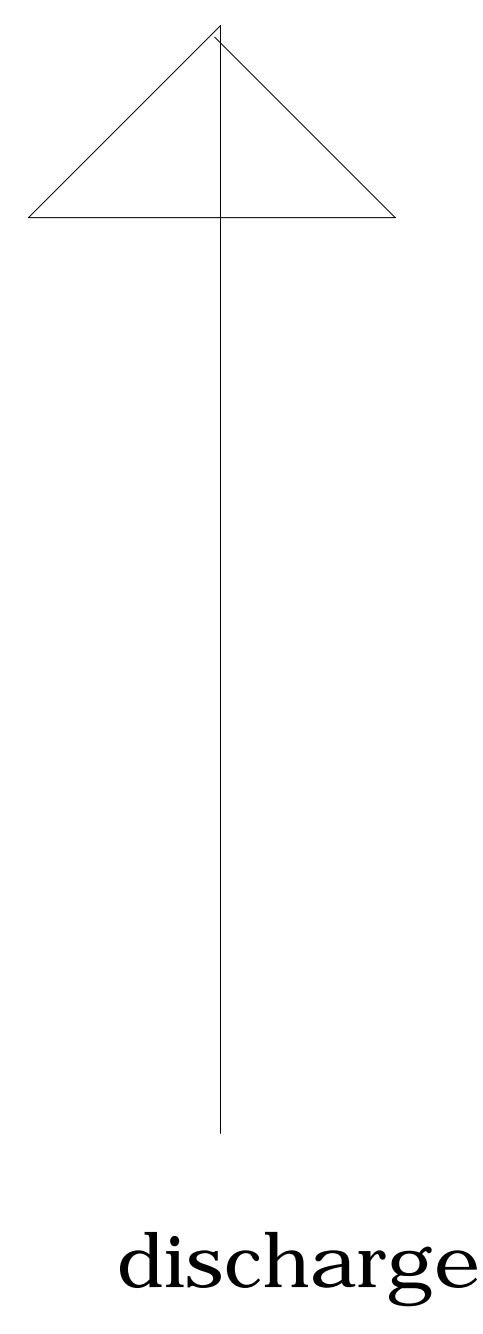
CHARGE : 1m ohm * -40A * 20 + 2.5 = 1.7V
DISCHARGE : 1m ohm * 100A * 20 + 2.5 = 4.5V

over charge (in- → in+)					
0.001	32	-0.032	20	2.5	1.86
0.001	33	-0.033	20	2.5	1.84
0.001	34	-0.034	20	2.5	1.82
0.001	35	-0.035	20	2.5	1.8
0.001	36	-0.036	20	2.5	1.78
0.001	37	-0.037	20	2.5	1.76
0.001	38	-0.038	20	2.5	1.74
0.001	39	-0.039	20	2.5	1.72
0.001	40	-0.04	20	2.5	1.7

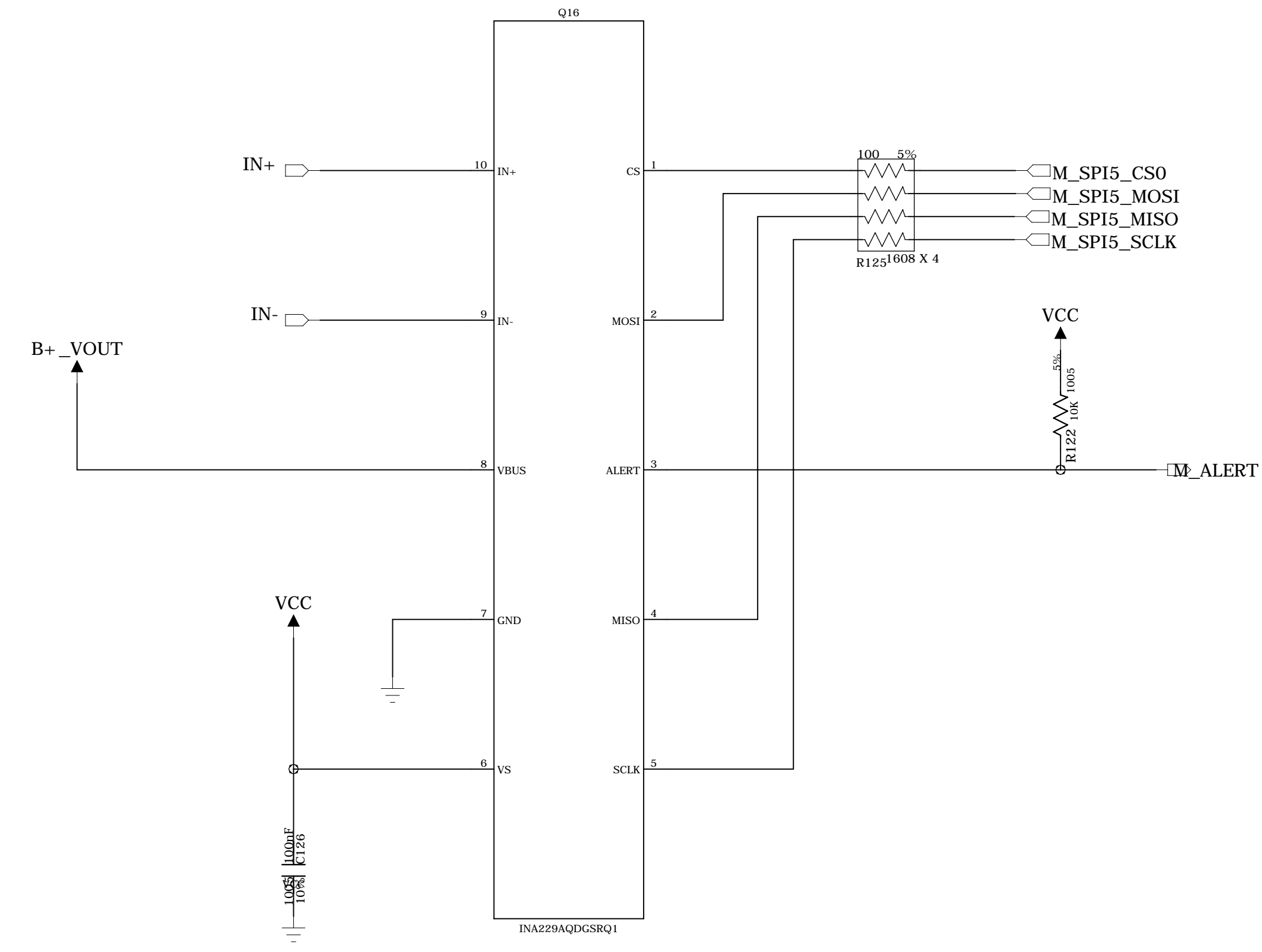
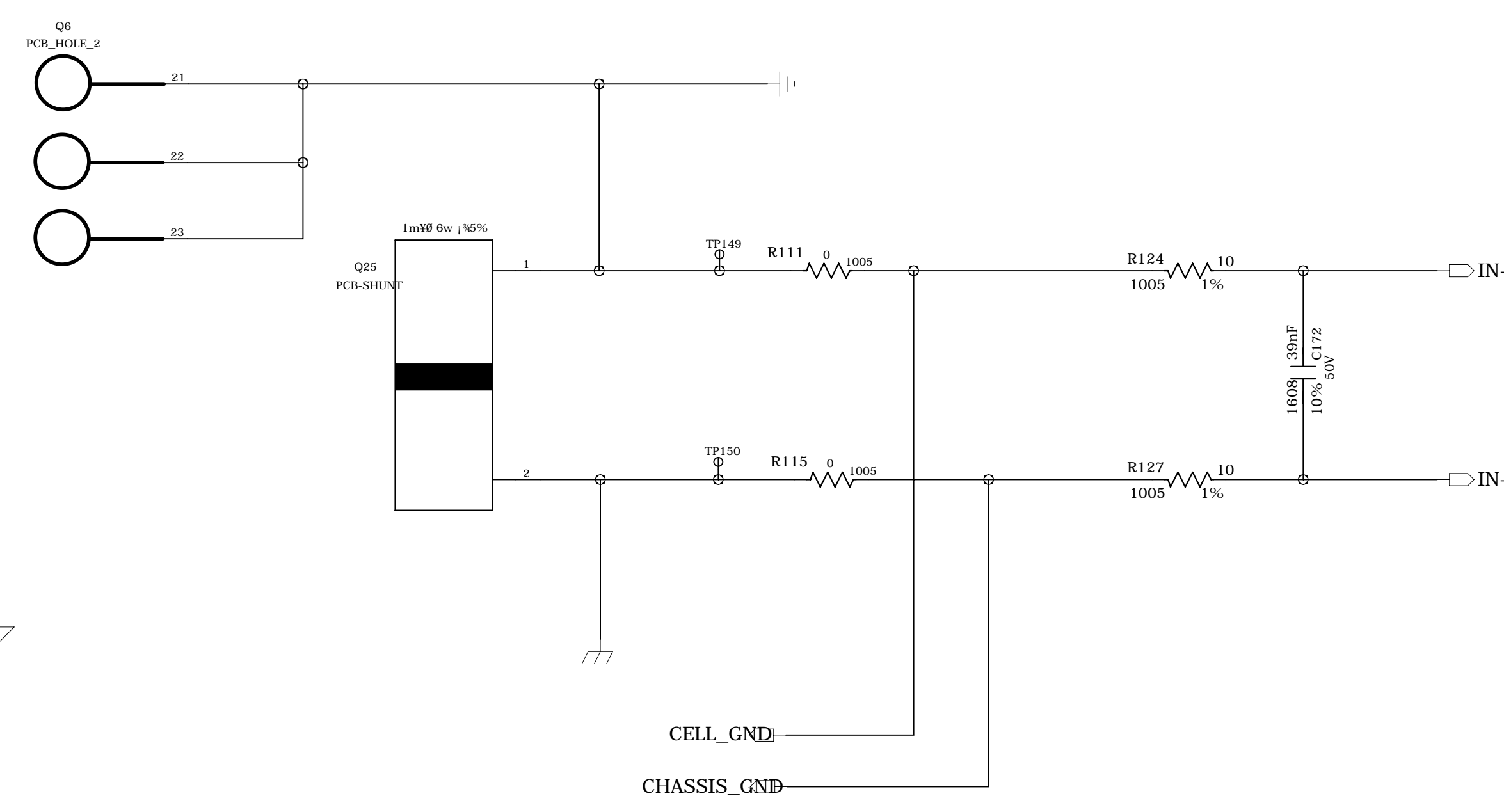
over discharge (in+ → in-)					
0.001	87	0.087	20	2.5	4.24
0.001	88	0.088	20	2.5	4.26
0.001	89	0.089	20	2.5	4.28
0.001	90	0.09	20	2.5	4.3
0.001	91	0.091	20	2.5	4.32
0.001	92	0.092	20	2.5	4.34
0.001	93	0.093	20	2.5	4.36
0.001	94	0.094	20	2.5	4.38
0.001	95	0.095	20	2.5	4.4
0.001	96	0.096	20	2.5	4.42
0.001	97	0.097	20	2.5	4.44
0.001	98	0.098	20	2.5	4.46
0.001	99	0.099	20	2.5	4.48
0.001	100	0.1	20	2.5	4.5

COMPANY: YURA_COOPERATION					
TITLE: BMS					
DRAWN: JH CHO	DATED: 18.02.28	CODE:	SIZE: E	DRAWING NO.:	REV: 2.00
CHECKED: JH CHO	DATED: 12.06.18	QUALITY CONTROL: <QC By>	DATE: <QC Date>	RELEASED: <Release Date>	DATE: <Release Date>
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cell gnd ꞑ chassis gnd : charge
 chassis gnd ꞑ cell gnd : discharge



DRAWN: JH CHO		DATED: 18.02.28		COMPANY: YURA_COOPERATION	
CHECKED: JH CHO		DATED: 12.06.18		TITLE: BMS	
QUALITY CONTROL: <QC By>		DATE: <QC Date>		CODE: <Code>	SIZE: E
RELEASED: <Released By>		DATE: <Release Date>		DRAWING NO: REVISION 2.00	
		SCALE: <Scale>		SHEET: 3 OF 3	