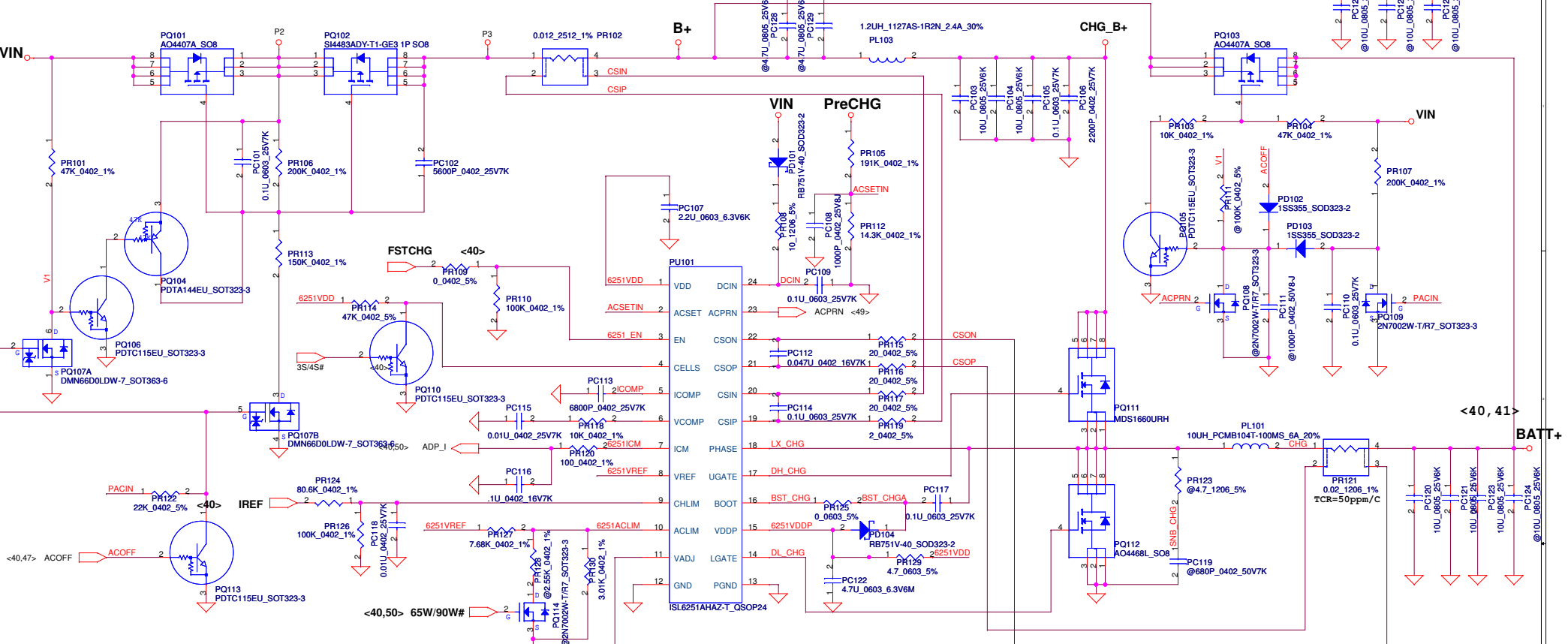


Iada=0~4.74A (90W/19V=4.736A)

ADP_I = 19.9*Iadap*Rsense

CP = 85%*Iada ; CP = 4.07A



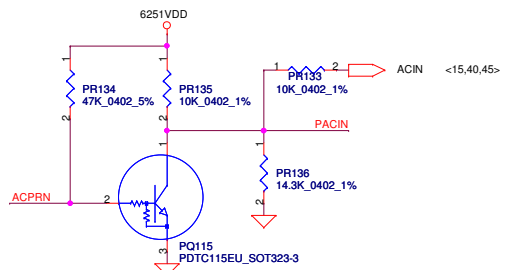
CP mode
 $I_{input} = (1/0.02) (0.05 \cdot V_{aclm} / 2.39 + 0.05)$
 where $V_{aclm} = 1.502V$, $I_{input} = 4.07A$

BATT Type	Charging Voltage (0x15)	CV mode
Normal 3S LI-ON Cells	12600mV	12.60V

CC=0.6-4.48A
 $I_{REF} = 0.7224 \cdot I_{charge}$
 $I_{REF} = 0.43V \sim 3.24V$

Ki
 $V_{chlim} = I_{ref} \cdot (PR374 / (PR372 + PR374))$
 $= I_{ref} \cdot (100K / (80.6K + 100K))$
 $= I_{ref} \cdot 0.5537$
 $I_{charge} = (165mV / PR369) \cdot (V_{chlim} / 3.3V)$
 $= (165m / 20m) \cdot (1 / 3.3V) \cdot I_{ref} \cdot 0.5537$
 $= 1.3842 \cdot I_{ref}$
 $I_{ref} = 0.7224 \cdot I_{charge} \Rightarrow Ki = 0.7224$

Kv
 $R_{internal} = 514K$ $R_{ec} = 3K$ $R_1 = PR379 = 15.4K$ $R_2 = PR381 = 31.6K$
 $R = 514K // 31.6K // (15.4K + 3K) = 11.372K$
 $r = 514K // 514K // 31.6K = 28.14K$
 $V_{cell} = 0.175 \cdot V_{adj} + 3.99V$
 $4.2V = 0.175 \cdot V_{adj} + 3.99V \Rightarrow V_{adj} = 1.2V$
 $V_{adj} = V_{ref} \cdot (R / (R + 514K)) + CALIBRATE \cdot (r / (r + 514K))$
 $1.1483 = CALIBRATE \cdot 0.6046 \Rightarrow CALIBRATE = 1.899$
 $1.899 = (4.2 - (V_{cell} + A \cdot 0.175)) \cdot Kv = (4.2 - (4.2 + A \cdot 0.175)) \cdot Kv$
 $A = V_{ref} \cdot (R / (R + 514K)) = 0.052$
 $Kv = 9.451$



Security Classification	Compal Secret Data	
Issued Date	2010/01/25	Deciphered Date
		2010/12/31

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Title	PWR-CHARGER	
Size	Document Number	Rev
	LA-6931P	0.1
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