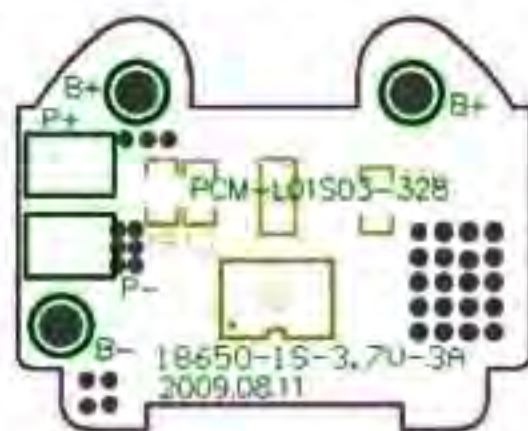


No.	Test Item	Description	Criterion
1	Voltage	Charging voltage	DC4.2V
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	$\leq 10\mu\text{A}$
		Maximal continuous Charging current	3A
		Maximal continuous Discharging current	3A
3	Over charge protection	Over charge detection voltage	$4.325\pm 0.025\text{V}$
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	$4.075\pm 0.025\text{V}$
4	Over discharge protection	Over discharge detection voltage	$2.50\pm 0.05\text{V}$
		Over discharge detection delay time	115—173mS
		Over discharge release voltage	$2.9\pm 0.05\text{V}$
5	Over current protection	Over current detection voltage	$0.15\pm 0.015\text{V}$
		Over current detection current	$5\pm 0.5\text{A}$
		Detection delay time	7ms—11ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Exterior short circuit
7	Resistance	Protection circuitry	$\leq 50\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$

B+=Battery+, B-=Battery-

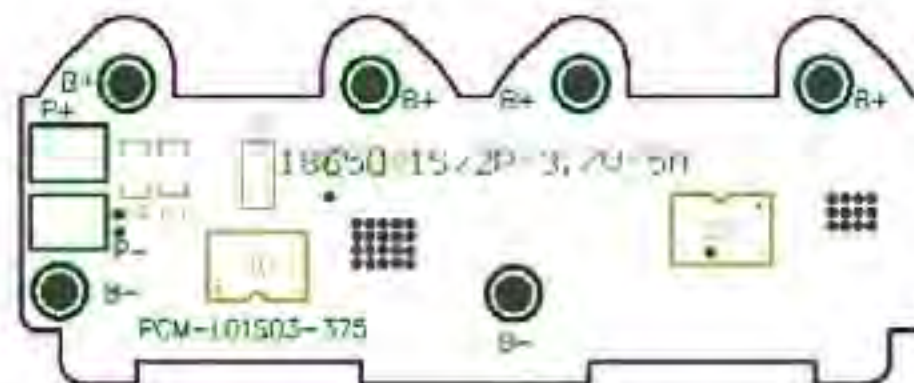
P+=Charge+/Discharge+

P-=Charge-/Discharge-



No.	Test Item	Description	Criterion
1	Voltage	Charging voltage	DC4.2V
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	$\leq 10\mu\text{A}$
		Maximal continuous Charging current	5A
		Maximal continuous Discharging current	5A
3	Over charge protection	Over charge detection voltage	$4.325\pm 0.025\text{V}$
		Over charge detection delay time	0.96S-1.4S
		Over charge release voltage	$4.075\pm 0.025\text{V}$
4	Over discharge protection	Over discharge detection voltage	$2.50\pm 0.05\text{V}$
		Over discharge detection delay time	115-173mS
		Over discharge release voltage	$2.9\pm 0.05\text{V}$
5	Over current protection	Over current detection voltage	$0.15\pm 0.015\text{V}$
		Over current detection current	$9.5\pm 1\text{A}$
		Detection delay time	7ms-11ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Exterior short circuit
7	Resistance	Protection circuitry	$\leq 50\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$

B+=Battery+, B-=Battery-
P+=Charge+/Discharge+
P-=Charge-/Discharge-

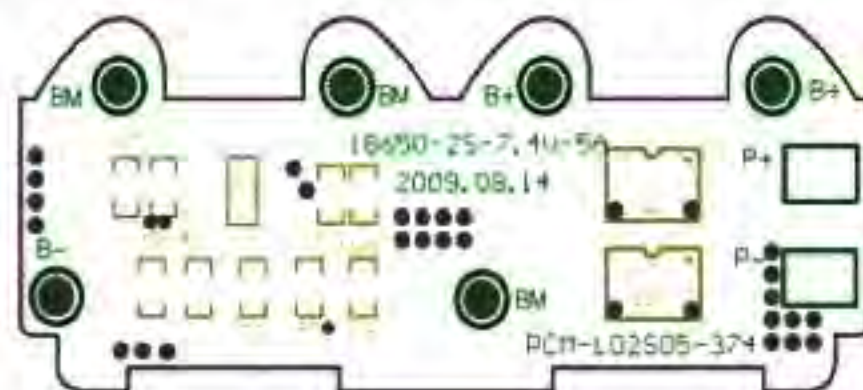


No.	Test Item	Description	Criterion
1	Voltage	Charging voltage	DC8.4V
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	$\leq 20\mu\text{A}$
		Maximal continuous Charging current	5A
		Maximal continuous Discharging current	5A
		Over charge protection	Over charge detection voltage
3	Over charge protection	Over charge detection delay time	0.7S—1.3S
		Over charge release voltage	$4.05\pm 0.05\text{V}$
		Over discharge protection	Over discharge detection voltage
4	Over discharge protection	Over discharge detection delay time	89—167ms
		Over discharge release voltage	$3.0\pm 0.1\text{V}$
		Over current protection	Over current detection voltage
5	Over current protection	Over current detection current	$6.5\pm 1\text{A}$
		Detection delay time	8ms—16ms
		Release condition	charge up
		Short protection	Detection condition
6	Short protection	Detection delay time	200-500us
		Release condition	Exterior short circuit
		Resistance	Protection circuitry
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$

B+=Battery+, B-=Battery-

P+=Charge+/Discharge+

P-=Charge-/Discharge-

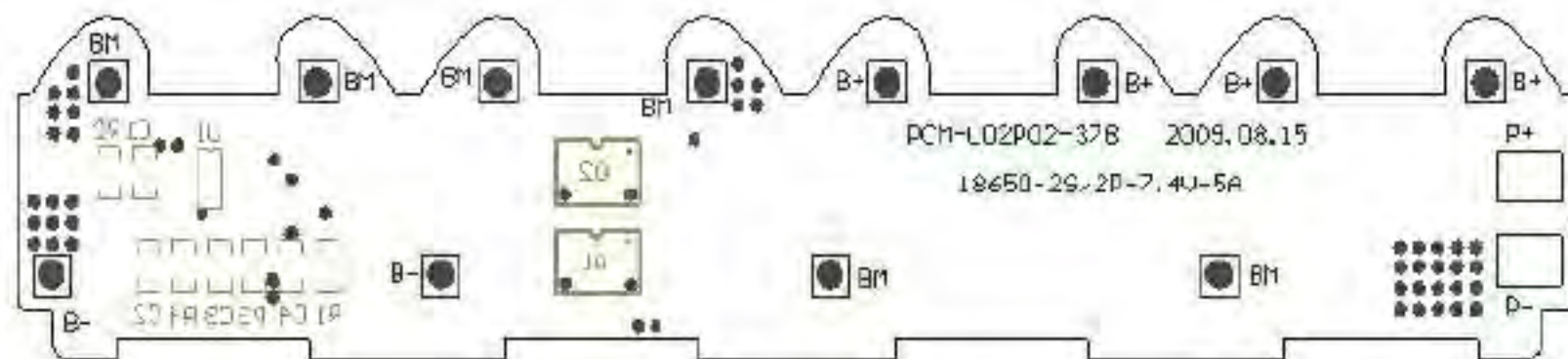


No.	Test Item	Description	Criterion
1	Voltage	Charging voltage	DC8.4V
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	$\leq 20\mu\text{A}$
		Maximal continuous Charging current	5A
		Maximal continuous Discharging current	5A
3	Over charge protection	Over charge detection voltage	$4.25\pm 0.025\text{V}$
		Over charge detection delay time	0.7S—1.3S
		Over charge release voltage	$4.05\pm 0.05\text{V}$
4	Over discharge protection	Over discharge detection voltage	$2.4\pm 0.08\text{V}$
		Over discharge detection delay time	89—167mS
		Over discharge release voltage	$3.0\pm 0.1\text{V}$
5	Over current protection	Over current detection voltage	$200\pm 30\text{mv}$
		Over current detection current	$13\pm 2\text{A}$
		Detection delay time	8—16ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Exterior short circuit
7	Resistance	Protection circuitry	$\leq 30\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$

B+=Battery+, B-=Battery-

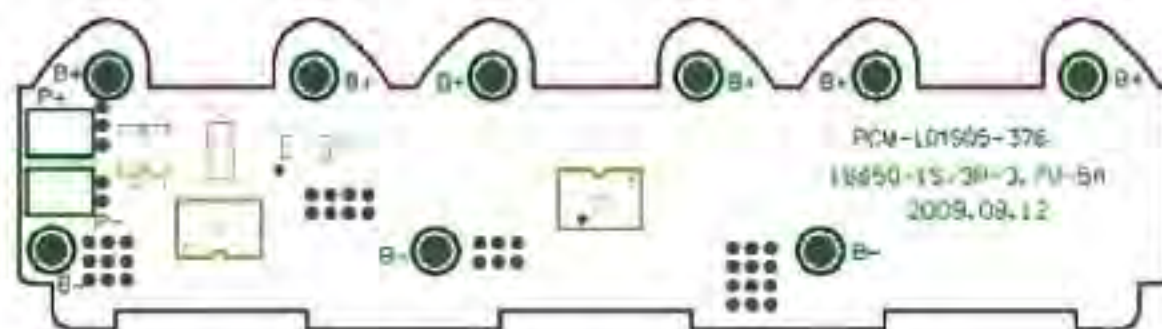
P+=Charge+/Discharge+

P-=Charge-/Discharge-



No.	Test Item	Description	Criterion
1	Voltage	Charging voltage	DC4.2V
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	$\leq 10\mu\text{A}$
		Maximal continuous Charging current	5A
		Maximal continuous Discharging current	5A
3	Over charge protection	Over charge detection voltage	$4.325\pm 0.025\text{V}$
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	$4.075\pm 0.025\text{V}$
4	Over discharge protection	Over discharge detection voltage	$2.50\pm 0.05\text{V}$
		Over discharge detection delay time	115—173mS
		Over discharge release voltage	$2.9\pm 0.05\text{V}$
5	Over current protection	Over current detection voltage	$0.15\pm 0.015\text{V}$
		Over current detection current	$9.5\pm 1\text{A}$
		Detection delay time	7ms—11ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Exterior short circuit
7	Resistance	Protection circuitry	$\leq 30\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$

B+=Battery+, B-=Battery-
P+=Charge+/Discharge+
P-=Charge-/Discharge-

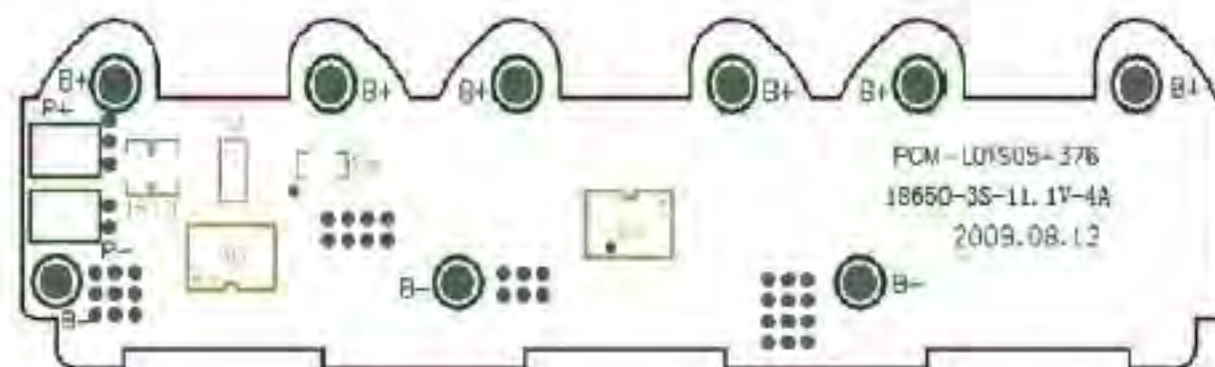


No.	Test Item	Description	Criterion
1	Voltage	Charging voltage	DC12.6V
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	$\leq 50\mu\text{A}$
		Maximal continuous Discharging current	4A
3	Over charge protection	Over charge detection voltage	$4.325\pm 0.025\text{V}$
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	$4.15\pm 0.05\text{V}$
4	Over discharge protection	Over discharge detection voltage	$2.4\pm 0.08\text{V}$
		Over discharge detection delay time	50—150ms
		Over discharge release voltage	$3.0\pm 0.1\text{V}$
5	Over current protection	Over current detection voltage	$150\pm 25\text{mV}$
		Over current detection current	$6\pm 1\text{A}$
		Detection delay time	5—15ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Exterior short circuit
7	Resistance	Protection circuitry	$\leq 60\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$

B+=Battery+, B-=Battery-

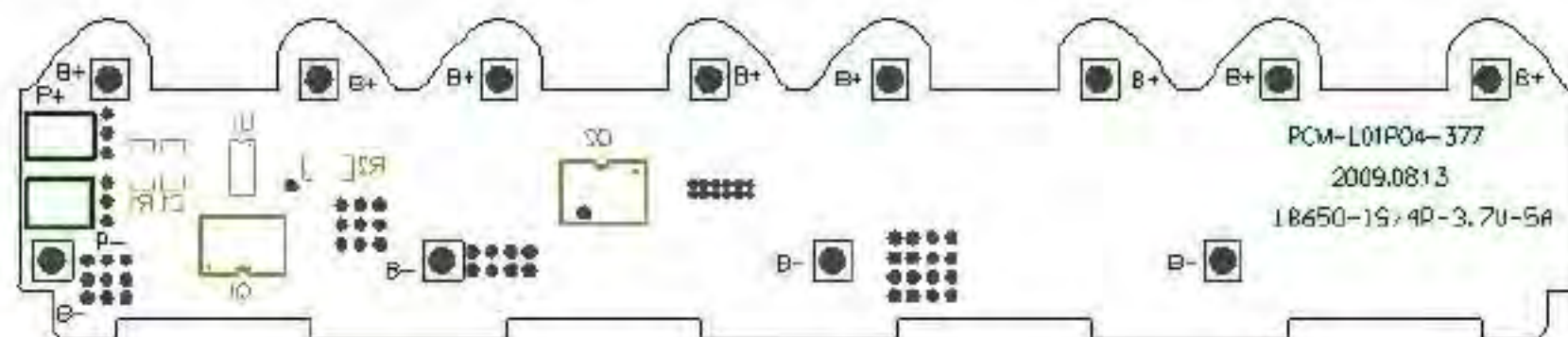
P+=Charge+/Discharge+

P-=Charge-/Discharge-



No.	Test Item	Description	Criterion
1	Voltage	Charging voltage	DC4.2V
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	$\leq 10\mu\text{A}$
		Maximal continuous Charging current	5A
		Maximal continuous Discharging current	5A
		Over charge protection	
3	Over charge protection	Over charge detection voltage	$4.325\pm 0.025\text{V}$
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	$4.075\pm 0.025\text{V}$
4	Over discharge protection	Over discharge detection voltage	$2.50\pm 0.05\text{V}$
		Over discharge detection delay time	115—173mS
		Over discharge release voltage	$2.9\pm 0.05\text{V}$
5	Over current protection	Over current detection voltage	$0.15\pm 0.015\text{V}$
		Over current detection current	$9.5\pm 1\text{A}$
		Detection delay time	7ms—11ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Exterior short circuit
7	Resistance	Protection circuitry	$\leq 30\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$

B+=Battery+, B-=Battery-
P+=Charge+/Discharge+
P-=Charge-/Discharge-



No.	Test Item	Description	Criterion
1	Voltage	Charging voltage	DC16.8V
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Current consumption for single cell	$\leq 50\mu\text{A}$
		Maximal continuous Charging current	4A
3	Over charge protection	Over charge detection voltage	$4.325\pm 0.025\text{V}$
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	$4.15\pm 0.05\text{V}$
4	Over discharge protection	Over discharge detection voltage	$2.4\pm 0.08\text{V}$
		Over discharge detection delay time	50—150ms
		Over discharge release voltage	$3.0\pm 0.1\text{V}$
5	Over current protection	Over current detection voltage	$150\pm 25\text{mv}$
		Over current detection current	$7.5\pm 1\text{A}$
		Detection delay time	5ms—15ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Exterior short circuit
7	Resistance	Protection circuitry	$\leq 60\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$

B+=Battery+, B-=Battery-

P+=Charge+/Discharge+

P-=Charge-/Discharge-

