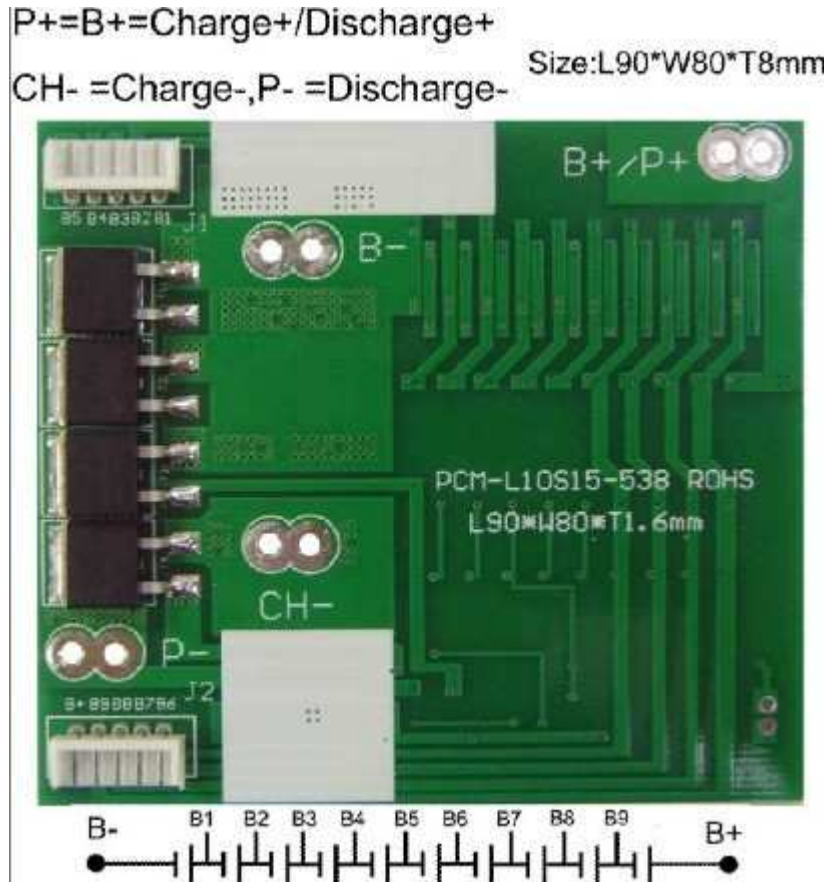


PCB-L10S15-538 (10S)



Protection Circuit Module For 10S Li-ion/Li-polymer Battery Pack

No.	Test item		Criterion
1	Voltage	Charging voltage	CC/CV:Li-ion/Li-polymer(4.2V/cell)
		Balance voltage for single cell	Li-ion:4.20 V±0.025V
2	Current	Balance current for single cell	0~85mA
		Current consumption for single cell	≤20μA
		Maximal continuous charging and discharging current(continuous working current)	10A

3	Over-charge Protection	Over charge detection voltage	3.8~4.4V (can adjust)
		Over charge detection delay time	0.96~1.4S
		Over charge release voltage	3.8~4.4V (can adjust)
4	Over-discharge Protection	Over discharge detection voltage	1.9~3.1V (can adjust)
		Over discharge detection delay time	115~173mS
		Over discharge release voltage	1.9~3.1V (can adjust)
5	Over-Current Protection	Over current detection voltage	0.6V
		Over current detection current(peak current)	40~200A(optional)
		Detection delay time	7.2~11ms
		Release condition	Cut load
6	Short Protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry (B- to P-)	≤30mΩ
8	Temperature	Operating temperature range	-40~+85°C
		Storage temperature range	-40~+125°C
9	Size		L90*W80*T10mm