

30
double-sided
adhesive tape

60
wires
24AWG UL1571

50
connector
JST SHR-03V-S-B

40
adhesive tape kapton

20
PCM

10
LP286380

40
adhesive tape
kapton (2x)

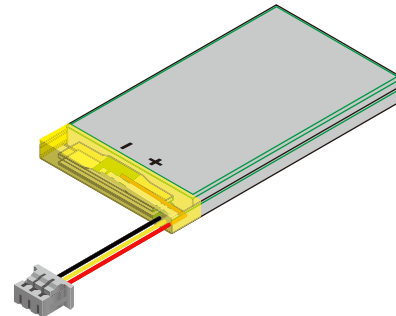
2.8^{+0.3}
-0.3

80^{+1.0}
-1.0

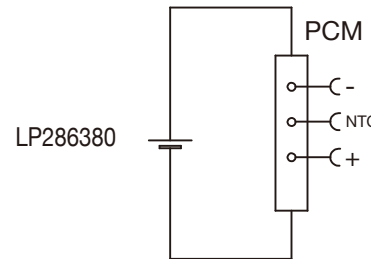
45^{+3.0}
-3.0

63^{+0.5}
-0.5

LiPo Battery 3.7V
LP286380 2000mAh



Circuit diagram



Specification

Lithium Polymer Battery Pack LP286380 2000mAh 3.7V with Protection Circuit Module (PCM)
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by LiPol Battery Co., Ltd - China

Mechanical Characteristics

Cell	▶ LP286380
PCM	▶ Yes
NTC	▶ 10KΩ 1% +25C B3380
Configuration	▶ 1S1P
Weight	▶ appr. 40g

Electrical Specification

Rated Capacity	▶ 2000mAh min, 2030mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 7.4Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 1000mA
Max. Continuous Discharge Current	▶ 2000mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <200mΩ
Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C	▶ 500 cycles ≥ 80%

Cell Protection

Overcharge Detection	▶ 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.275V ±50mV)
Overdischarge Detection	▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
Overcurrent Detection	▶ 4A to 4.5A (8 to 16msec. delay)

Ambient Conditions

Charge Temp. Range	▶ 0 to +45°C
Discharge Temp. Range	▶ -20 to +60°C
Storage Temp. Range	▶ 1 year at -20 to +30°C >70%
Overcurrent Detection	▶ 3 moths at -20 to +45°C >70%
	▶ 1 month at -20 to +60°C >70%
Humidity	▶ 65 ±20%RH

Environmental and Safety

Please follow LiPol Handling and Safety Precautions for Lithium Polymer Battery. This battery meets the requirements of Battery Directives, and the battery parts are IEC 62133 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html

Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Date	Name	+ LiPol Battery
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 : 0,1 over 6 up to 30 : 0,2 over 30 up to 100 : 0,3 over 100 : 0,5	Erst./ Orig 24.05.2019	Xie Qingfang	
Proprietary data, company confidential, all rights reserved.		Gepr./Check 24.05.2019	Guo Daxia	
		Benennung/ Designation LP286380		
		Origin:	3	Zchnng. / Dwg. Nr. FD_3245_70
				Index
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				www.LiPolBattery.com