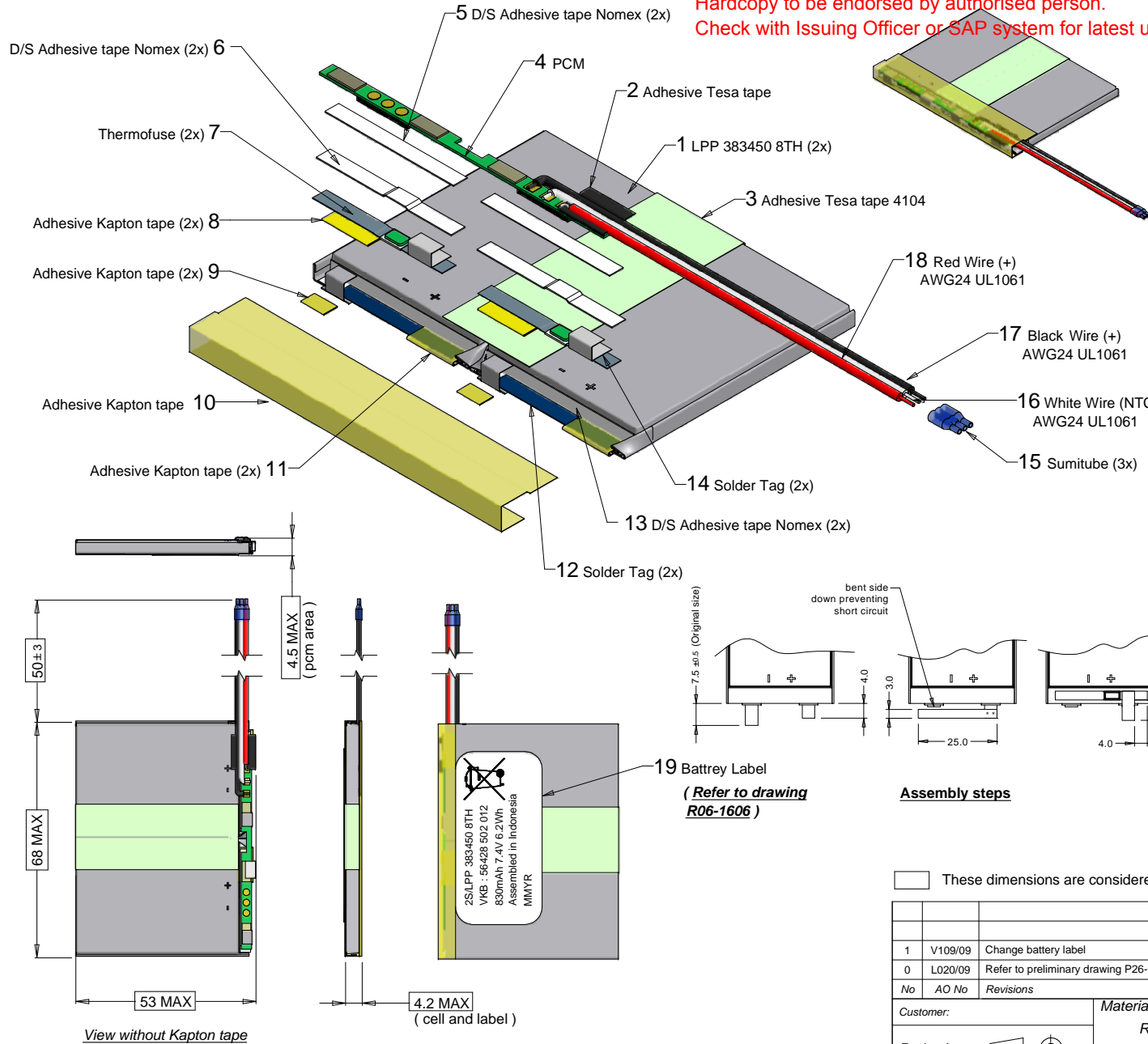


This is a controlled document.  
 Hardcopy to be endorsed by authorised person.  
 Check with Issuing Officer or SAP system for latest update.



## Specification

### 1. General:

Battery Pack incl. safety circuit and wires  
 Cell: LPP 383450 8TH  
 PCM: PLFE 2S SBS NTC  
 NTC: 10kΩ ±1%, Bvalue 3380  
 ID: None  
 Configuration: 2S side by side  
 Weight: appr. 31g

### 2. Electrical Specification:

Rated Capacity: 790mAh min, 830mAh typical  
 Nominal Voltage: 7.4V  
 Watt-hour rating: 6.2Wh  
 Charging Method: Constant Current + Constant Voltage  
 Max. Charge Voltage [V]: 8.4 (±50mV)  
 Max. Continuous Charge Current: 790mA (limited by cell DS)  
 Rec. Charge cut off: 16.6mA or timer 2.5h  
 Max. Continuous Discharge Current: 1580mA (limited by cell DS)  
 Rec. Discharge cut off: 6V  
 Internal Impedance: approx. 200mΩ  
 Exp. Cycle Life: >400 cycles > 80% of initial cap. (0.5C/0.5C)

### Cell protection

Overcharge Detection: 4.325V ± 0.025V  
 (0.92 to 1.38sec. delay, resume 4.075V ± 0.05V)  
 Overdischarge Detection: 2.20V ± 0.05V  
 (115 to 173msec. delay, resume 2.9V ± 0.1V)  
 Overcurrent Detection: 5A to 8A (7.2 to 11msec. delay)

### 3. Ambient Conditions

Temperature Range  
 -Charge: 0 to +45°C  
 -Discharge: -20 to +60°C  
 -Storage: 1 year at -20 to 25°C  
 3 months at -20 to 45°C  
 -Humidity: 65 ± 20%RH

### 4. Environmental and Safety

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer  
 The cell used is a UL recognized component according to UL 1642  
 This battery meets the requirements of Battery Directive,  
 and the battery parts are RoHS-Compliant.

### Assembly steps

These dimensions are considered inspectable

No	AO No	Revisions	Date	Name
1	V109/09	Change battery label	2009-06-23	Sony
0	L020/09	Refer to preliminary drawing P26-10120 Rev.000	2009-05-12	Sony

Customer:	Material: Refer to part list #703379	Description: <b>2S/LPP 383450 8TH PCM W</b> with pcm and wires
Projection:	Prepared & Checked	Verified & Approved
Dimensions in mm	Dwg. No: <b>703379</b>	4   0   1
Tolerance: ISO 2768-m	2009-04-13	Sony
Scale: Not to scale	Dwg. No: <b>703379</b>	KVB Order No: <b>56428 502 012</b>

- Battery visible surface to be free from scratches, marks and foreign substances
- Production code printed according to MMYR
- Battery label has to be printed by Thermal transfer printer

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