

RAW MATERIAL QUALITY CONTROL V-TRACK		YANTRAM MEDTECH PVT LTD
Doc. No. YMPL-QC-F02 REV NO: 00		Page 1 of 4

Frequency of checking: _____

Sr. No	Part name	Characteristics to be Checked	Acceptance Criteria	Sample Size of checking	Test method	Output of the test	Result (Pass/Fail)	Date	Done By
1	NTC sensor	Resistance	At 25°C, resistance = 10K (\pm 20 ohm)	100%	Test Jig				
		Temperature							
2	Stainless Steel 0.2mm Cut out	Diameter, thickness, and Plating	Dia = 0.2mm	10%	Visual Test				
3	LiPo Battery 50mah	Charging and Discharging time	Charging Time/Discharge time	5%	Charge/Dis charge test				
4	Pogo Pins	Dimensions and tension	Dia =2mm	5%	Visual Test				
5	SMD Tactile Switches	Spring Tension and dimensions	Dimensions = 3x4x2.5mm	5%	Visual Test				
6	V-TRACK Mechanical Enclosure	Visual defects: 1. Warping 2. Dimensions 3. Bubbles/Airgaps/Air traps 4. Matte finish 5. Weld lines 6. Improper	No defects have to be there.	100%	Visual Test				

Reviewed By:	Approved By:
Ms. Kanika Bansal (Director)	Mr. Amar MVR

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Doc. No. YMPL-QC-F02 REV NO: 00		Page 2 of 4

		material filling							
7	USB Charging Cable	Check the voltage and cable connectors	No defects have to be there.	5%	Visual Test				
8	V-TRACK Docket Enclosure	Visual defects: 1. Warping 2. Dimensions 3. Bubbles/ Airgaps/ Air traps 4. Matte finish 5. Weld lines 6. Improper material filling	No defects have to be there.	100%	Visual Test				
9	V-TRACK Docket Bare PCB	Electrical Test	ETOK 100%	100%	Visual Test / QC Report by Vendor				
10	150R (0402)	Resistance	Resistance = 150Ω	5%	Multi Meter				
11	LED-RED (0402)	Brightness and operating voltage	Forward voltage = 0.7V Brightness visible with naked eyes	5%	Multi Meter				
12	10118194-0001LF (AMPHENOL_10118194-0001LF)	Mount Pins and dimension	Match with Micro B Male connector.	100%	Visual Test				
13	CHARGER PCB	Electrical Test	ETOK	100%	Visual Test / QC Report				

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Doc. No. YMPL-QC-F02 REV NO: 00		Page 3 of 4

					Vendor				
14	10K (0402)	Resistance	Resistance = 10Ω	5%	Multi Meter				
15	120K (0402)	Resistance	Resistance = 120Ω	5%	Multi Meter				
16	220K (0402)	Resistance	Resistance = 220Ω	5%	Multi Meter				
17	3.3K (0402)	Resistance	Resistance = 3.3Ω	5%	Multi Meter				
18	330R (0402)	Resistance	Resistance = 330Ω	5%	Multi Meter				
19	4.7K (0402)	Resistance	Resistance = 4.7Ω	5%	Multi Meter				
20	470R (0402)	Resistance	Resistance = 470Ω	5%	Multi Meter				
21	56K (0402)	Resistance	Resistance = 56Ω	5%	Multi Meter				
22	0.1uF (0402)	Capacitance	Capacitance = 0.1uf	5%	Multi Meter				
23	1uF (0603)	Capacitance	Capacitance = 1uf	5%	Multi Meter				
24	4.7uF (0603)	Capacitance	Capacitance = 4.7uf	5%	Multi Meter				
25	BAT54C (SOT23)	Technical Specifications	OEM						
26	BGM220PC22 HNA2 (MODULE_BG M220PC22H NA2)	Technical Specifications	OEM						
27	BSS138 (SOT23)	Technical Specifications	OEM						
28	DF2S16F, L3M (SOD-923-2)	Technical Specifications	OEM						
29	LED_BLUE (0402)	Brightness and operating voltage	Forward voltage = 0.7V Brightness visible with naked eyes	5%	Multi Meter				
30	LED_RED (0402)	Brightness and operating voltage	Forward voltage = 0.7V Brightness visible	2%	Multi Meter				

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Doc. No. YMPL-QC-F02 REV NO: 00		Page 4 of 4

			with naked eyes						
31	MCP73832T-2DCI/OT (SOT23-5)	Technical Specifications	OEM						
32	MIC5317-3.3YM5-TR (SOT23-5)	Technical Specifications	OEM						
33	SIP32509DT-T1-GE3 (SOT23-6)	Technical Specifications	OEM						
34	POGO CONN (2PIN 2MM)	Dimensions and tension	Dia =2mm	5%	Visual Test				
35	SWITCH-OMRON_B3U-1000P (SWITCH-OMRON_B3U-1000P)	Spring Tension and dimensions	Dimensions = 6mm x 2mm x 2mm By pressing the switch, the switch works properly	5%	By pressing the button				
36	MAINPCB	Electrical Test	ETOK	100%	Visual Test / QC Report Vendor				

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