

APPROBATION DEPARTMENT T-QTA

2181b						
Partslist I:			Electrical Parts			
Position see explosion drawing	Part name	Manu- facturer	Type	Charact. Data ratings/ material	In accordance to Standard	Existing Approvals
Toothbrush Type 3 738						
C1	SMD MULTI.CER.CAPACIT.12P K 50V NP0 0603					
C2	SMD MULTI.CER.CAPACIT.12P K 50V NP0 0603					
C3	SMD MULTI.CER.CAPACIT.0,1 U K16 X5R 0402					
C4	SMD MULTI.CER.CAPACIT.10UM 6,3V X5R 0805					
C5	SMD MULTI.CER.CAPACIT.0,1 U K16 X7R					
C6	SMD MULTI.CER.CAPAC.1000P K 50V COG 0603					
C7	SMD MULTI.CER.CAPACIT.0,1 U M 25 X7R					
C8	SMD MULTI.CER.CAPACIT. 1000 P K 25 X7R					
C9	SMD MULTI.CER.CAPACIT.3P3 K 50V NP0					
C10	SMD MULTI.CER.CAPACIT.33P K 50V NP0 0603					
C11	SMD MULTI.CER.CAPACIT.47pF 50 1%NP0 0603					
C12	SMD MULTI.CER.CAPACIT. 100 P K 50 NP0					
C13	SMD MULTI.CER.CAPACIT.27P K 50V COG 0603					
C14	SMD MULTI.CER.CAPACIT.0,1 U K16 X7R					
C15	SMD MULTI.CER.CAPACIT.0,15 U M >4 Z5U					
C17	SMD MULTI.CER.CAPACIT.22U M 6V3 X5R 1206					
C18	SMD MULTI.CER.CAPACIT.10UM 6,3V X5R 0805					
C19	SMD MULTI.CER.CAPACIT.UF 2,2 U K 10V X5R					
C21	SMD MULTI.CER.CAPACIT.0,1 U K16 X7R					
C23	SMD MULTI.CER.CAPACIT.0,1 U M 25 X7R					
C24	SMD MULTI.CER.CAPACIT. 0,22uF K 25V 0805					
C25	SMD MULTI.CER.CAPACIT.0,1 U K16 X7R					
C26	SMD MULTI.CER.CAPACIT.0,01 U K 25 X7R					
C27	SMD MULTI.CER.CAPACIT.0,1 U K16 X7R					
C32	SMD MULTI.CER.CAPACIT.150P 1% 50V COG 0402					
C33	SMD MULTI.CER.CAPACIT.2200P J 50V X7R 0402					
C34	SMD MULTI.CER.CAPACIT.0,1 K 10V X5R 0402					
C35	SMD MULTI.CER.CAPACIT.18pF 50 1%NP0 0603					
D1	SCHOTTKY DIODE 40V 1A SOD123					
D2	SCHOTTKY DIODE 40V 1A SOD123					
D3	SMD SILICON DIODE 80V 0,1A 4NS 1,25X1,7					
D4	SMD SILICON DIODE 80V 0,1A 4NS 1,25X1,7					
D5	SMD SILICON DIODE 80V 0,1A 4NS 1,25X1,7					
D6	SMD ZENER DIODE 5V1 B 0,5W SOD-80					
D7	SMD SILICON DIODE 80V 0,1A 4NS 1,25X1,7					
IC1	INTEGRATED CIRCUIT Reader-Asic EM 4194					
IC3	INTEGRAT.CIRCUIT(SMD) MSP430F1232IPW					
IC5	INTEGRAT.CIRCUIT(SMD)TPS61070DDCR TSOT23					
L1	CHOKE 10 uH 300 mOHM					
L2	CHOKE 100nH 0603					
L3	CHOKE 1 uH 20% or 1,1 uH 10%					
Q1	CRYSTAL OSCILLATOR 13,56MHz 16pF SMD0603					
Q2	CRYSTAL OSCILL.32,768 KHZ MX1V-T1K 10p					
R1	SMD CHIP RESISTOR 10K 5 1/16 0603					
R2	SMD CHIP RESISTOR 100K 5 1/16 0603					
R5	SMD CHIP RESISTOR 100K 5 1/16 0603					
R6	SMD CHIP RESISTOR 100K 5 1/16 0603					
R7	SMD CHIP RESISTOR 2k7 5 0,063 0603					
R8	SMD CHIP RESISTOR 220R 5 1/16 0603					
R9	SMD CHIP RESISTOR 220R 5 1/16 0603					
R10	SMD CHIP RESISTOR 10K 5 1/16 0603					
R11	SMD CHIP RESISTOR 100K 5 1/16 0603					
R13	SMD CHIP RESISTOR 100K 5 1/16 0603					
R14	SMD CHIP RESISTOR 15K 5 1/16 0603					
R16	SMD CHIP RESISTOR 10K 5 1/16 0603					
R17	SMD CHIP RESISTOR 1K 5 1/16 0603					
R18	SMD CHIP RESISTOR 100R 5 1/16 0603					
R19	SMD CHIP RESISTOR 825K 1% 1/16 0603					
R20	SMD CHIP RESISTOR 165K 1% 1/16 0603					
R21	SMD CHIP RESISTOR 2R7 5% 1/16 0603					
R22	SMD CHIP RESISTOR 1K 5% 1/16 0402					
R23	SMD CHIP RESISTOR 1K 5 1/16 0603					
R24	SMD CHIP RESISTOR 1K 5 1/16 0603					
R25	SMD CHIP RESISTOR 470K 5 1/16 0402					
T1	TRANSISTOR MosFET, N-Kanal, Super SOT6					
T2	SMD SILICON TRANSISTOR NPN FMMT617TC					
TA1	TIP BAR EVQ-PLD A15 LIGHT T					
TA2	PUSH BUTTON 2,6N 100mOhm EVQQ2U03W PANAS					
C101	SMD MULTI.CER.CAPAC.100pF J 50V NPO 0402					
C102	SMD MULTI.CER.CAPACI.0.5pF B50V NPO 0402					
C103	SMD MULTI.CER.CAPACIT.0,1 K 10V X5R 0402					
C104	SMD MULTI.CER.CAPAC.220pF K 50V X7R 0402					
C105	SMD MULTI.CER.CAPACIT.10UM 6,3V X5R 0805					
C107	SMD MULTI.CER.CAPACIT.0,1 U K16 X7R					
C108	SMD MULTI.CER.CAPACIT.0,1 K 10V X5R 0402					
C109	SMD MULTI.CER.CAPACIT.0,1 U K16 X7R					
C110	SMD CER.CAPAC. 27pF J 50V COG 0603					
C111	SMD MULTI.CER.CAPAC.100pF J 50V NPO 0402					
C112	SMD MULTI.CER.CAPACI.0.8pF B50V NPO 0402					
C113	SMD CER.CAPAC. 27pF J 50V COG 0603					
C114	SMD MULTI.CER.CAPAC.220pF K 50V X7R 0402					
R101	SMD CHIP RESISTOR 56K 1% 1/16 0603					
L101	CHOKE 2N7+-0N3 0402,fres=9GHz 300mA					
L111	CHOKE 1N8+-0N3 0402,fres=11GHz 300mA					
IC101	INTEGRAT.CIRCUIT(SMD) CC2550 QLP-16					
Q103	CRYSTALOSCILL.26.MHz 16pF 10ppm SMD06035					
C16	SMD MULTI.CER.CAPACIT.0,1 U K16 X7R					
C28	SMD MULTI.CER.CAPAC.1000P K 50V COG 0603					
C29	SMD MULTI.CER.CAPACIT.0,1 K 10V X5R 0402					
R3	SMD CHIP RESISTOR 10K 5 1/16 0603					
R4	SMD CHIP RESISTOR 150K 5 1/16 0603					
	PCB, D30					
	MOTOR	Mabuchi	FF-180PH-4017			
Cmot	CER.CAPACIT.0,1 U 20% 50V					
	BATTERY	Sanyo	HR-AUC 2100mAh			
	SMART-COIL	era	3731816 10wdg.0,17mm			
	CHARGING-COIL	era	3731811 17wdg. 0,5mm			
	DISPLAY MODULE	EM	3738821			