

RTPD1 Partlist

Electronic Parts						
Pos.	ID	pcs.	Description	MPN	Prize(€) @100 pcs.	Total prize(€)
1	U1	1	Microcontroller	STM32F042G6U6	1,5	1,5
2	U2	1	OPA	TLV333IDBVR	0,84	0,84
3	U3	1	Dual-FET	DMC1016UPD-13	0,36	0,36
4	U4	1	USB-PD driver	STUSB4500QTR	1,3	1,3
5	REG1	1	Volatage regulator	LM3480IM3-3.3/NOPB	0,6	0,6
6	SW1-2	2	Switch	KMR631NGULCLFS	0,3	0,6
7	LED1	1	LED- Blue	KPTD-3216QBC-D	0,12	0,12
8	LED2	1	LED- Yellow	KPTD-3216SYCK	0,12	0,12
9	LED3	1	LED- Red	KPTD-3216SRC-PRV	0,12	0,12
10	D1-3	3	ESD-Protection	ESDA25P35-1U1M	0,16	0,48
11	VIB1	1	Vibration Sensor	MVS0608.02	4,1	4,1
12	CON1	1	Tip connector 3.5mm	SJ-3501-SMT-TR	0,88	0,88
13	CON3	1	FFC connector	51296-0894	0,85	0,85
14	CON4	1	USB C connector	105450-0101	1,5	1,5
15	R7-9	3	Resistor 270E - 0603 - 1%	Free choice	0,05	0,15
16	R2	1	Resistor 330E - 0603 - 0.1%	ERA-3AEB331V	0,2	0,2
17	R6,R10,R12	3	Resistor 1K5 - 0603 - 1%	Free choice	0,05	0,15
18	R11	1	Resistor 5K6 - 0402 - 1%	Free choice	0,05	0,05
19	R3-4,R15-16	4	Resistor 10K - 0603 - 1%	Free choice	0,05	0,2
20	R1	1	Resistor 100K - 0603 - 0.1%	ERA-3AEB104V	0,2	0,2
21	R5	1	Resistor 1M - 0603 - 1%	Free choice	0,1	0,1
22	C3,C5	2	Ceramic Capacitor 10n - 0603 - 5% - 25V	Free choice	0,1	0,2
23	C2, C4, C6-8	5	Ceramic Capacitor 100n - 0603 - 5% - 25V	Free choice	0,1	0,5
24	C1, C9, C10, C12	4	Ceramic Capacitor 1µ - 0603 - 10% - 25V	Free choice	0,1	0,4
25	C11	1	Tanatal Capacitor 1000µ - 2824 - 20% - 10V	F721A108MMCAQ2	2,56	2,56
26	/	1	PCB FR4 1 mm, HAL(RohS), 94V-0	RTPD1	1	1

Total cost of PCB parts: 19,08 €

----- Mechanical Parts -----						
Pos.	ID	pcs.	Description	MPN	Prize(€) @100 pcs.	Total prize(€)
27	/	1	3D-Printed Mainbody, Black, Nylon PA12	RTPD-Mainbody_V3	3	3
28	/	1	3D-Printed Cap, Black, Nylon PA12	RTPD-Cap_V3	2	2
29	/	1	Printed platstic foil sticker (Black)	RTPD-Sticker_V2	0,5	0,5

Total cost of mechanical parts: 5,5 €