

Part list

Motion / Tilt Alarm

Project: Instructables µC Contest Okt. 2022

PCB Number: Motion Alarm B10

Variant: None

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Quantity	Designator	Comment	Footprint	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1	Remark	Description 1	Layer
1	C1	100nF	CAP0603R					-	capacitor MLCC SMD 0603, X7R, 10%	Top
1	LS1	TMB-12A05	TMB12Axx	Jiangsu Huaneng Elec	TMB12A05	LCSC Electronics	C96093	-	9.8mm 12mm Active (driven circuit included) 85dB@5V,10cm 4V~8V Magnetic 5V 2300Hz Plugin,P=7.6mm Buzzers ROHS	Top
2	R1, R5	1M	RES0603R					-	resistor SMD 0603, 1%, 100mW	Top
1	R2	10k	RES0603R					-	resistor SMD 0603, 1%, 100mW	Top
2	R3, R4	1k	RES0603R					-	resistor SMD 0603, 1%, 100mW	Top
1	R6	100k	RES0603R					-	resistor SMD 0603, 1%, 100mW	Top
1	S1	Motion Tilt Sensor and topsy-turvy	MTS-11	-	-	-	MTS-11 custom design	-	Motion / tilt sensor 3D printed part, leads, bearing ball, disk	Top
1	S2	JS102011SAQN	JS102011SAQN	ITT C&K	JS102011SAQN	Digi-Key	401-1999-1-ND	-	JS10 Series SPDT On-On 6 V 0.3 A Gull Wing SMT Slide Switch	Top
1	T1	BSS138LT1G	SOT23-3M	ON Semiconductor	BSS138LT1G	TME	BSS138LT1G	-	MOSFET N-CH 50V 200mA SOT-23	Top
1	U1	PIC10F206T-I/OT	SOT23-6L	Microchip	PIC10F206T-I/OT	Mouser	579-PIC10F206T-I/OT	-	Microcontroller Mcu, 8 Bit, PIC10, 4MHZ, SOT-23-6	Top
3	X2, X4, X6	battery clip +	597	Keystone Electronics	597	TME	KEYS597	-	HM Leaf Spring Button Contact P/N 597, Cell Size AAA	Top
3	X3, X5, X7	Battery Clip -	591	Keystone Electronics	591	TME	KEYS591	-	THM Leaf Spring Battery Contact P/N 591, Cell Size AAA	Top

18 Notes