

Bill of Materials

Bill of Materials for Project [Angle-Sensor.PrjPcb]

File name: Angle-Sensor.PrjPcb
Project: Angle-Sensor
Variant: V1.0

Creation Date: 22.01.2024
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Designator	Component Description	Component Value	Footprint	JLC-Parts	Farnell	Mouser	Digikey	Quantity	Unit Price	Total Price
C1	Multilayer Ceramic Capacitors MLCC	10µF 50V	SMD Keramikkondensator 1206	C13585	2113070	963-LMK107BBJ106MALT	587-3258-1-ND	1	SFr. 0.01	SFr. 0.01
C2	Multilayer Ceramic Capacitors	1µF 50V	SMD Keramikkondensator 0603	C15849	3013383	187-CL10A105KB8NNNC	1276-1860-1-ND	1	SFr. 0.01	SFr. 0.01
C3	Multilayer Ceramic Capacitors	100nF 50V	SMD Keramikkondensator 0603	C14663	2522432	77-VJ0603V104ZXAPBC	445-5666-1-ND	1	SFr. 0.01	SFr. 0.01
K1	MOSFET N-Channel	2N7002	SMD MOSFET SOT-23	C8545	1713823	512-2N7002	2N7002NCT-ND	1	SFr. 0.02	SFr. 0.02
M1	Solderable Standoff Nut	M3 3mm	SMD Solder-Nut (M3 3mm)	C2915308		153-SMTSO-M3-3ET		1	SFr. 0.05	SFr. 0.05
P1	General Purpose LED	Yellow (5mA, 2.1V)	SMD LED 0603	C72038	1867103	645-598-8050-107F	350-2033-1-ND	1	SFr. 0.34	SFr. 0.34
P2	General Purpose LED	Green (5mA, 2.4V)	SMD LED 0603	C72043	1465991	645-598-8070-107F	350-2035-1-ND	1	SFr. 0.34	SFr. 0.34
R1, R2	Dickschicht Chipwiderstand	1k (75V, 100mW, 1%)	SMD Widerstand 0603	C21190	2303145	667-ERJ-3EKF1001V	P1.00KHCT-ND	2	SFr. 0.01	SFr. 0.02
R3	Thick Film Chip Resistor	10k (75V, 100mW, 1%)	SMD Widerstand 0603	C25804	2303192	667-ERJ-3EKF1002V	P10.0KHCT-ND	1	SFr. 0.01	SFr. 0.01
U1	Digital Magnetic Angle Sensor	AS5600	SMD IC SOIC-8	C499458	4158625	985-AS5600-ASOM	AS5600-ASOMCT-ND	1	SFr. 1.32	SFr. 1.32
X1	Pin Header (Right-Angle)	PZ254R-11-04P	THT Pin-Header 4x1 (90°)	C492412	3226010	855-M20-9960445	952-3286-ND	1	SFr. 0.02	SFr. 0.02
										SFr. 2.15

Autor

Florian Baumgartner & Alain Keller

Ostschweizer Fachhochschule

Florian Baumgartner & Alain Keller
florian.baumgartner@ost.ch



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