



Bill of Materials

Bill of Materials for Project [Microphone-Arm.PrjPcb]

File name:		Microphone-Arm.PrjPcb								
Project:		Microphone-Arm								
Variant:		V1.0								
Creation Date:		22.01.2024								
Print Date:		22.01.2024								
Designator	Component Description	Component Value	Footprint	JLC-Parts	Farnell	Mouser	Digikey	Quantity	Unit Price	Total Price
C1, C2	Multilayer Ceramic Capacitors MLCC	10µF 50V	SMD Keramikkondensator 1206	C13585	2113070	963-LMK107BB.1106MALT	587-3258-1-ND	2	SFr. 0.01	SFr. 0.02
C3, C5, C7, C9	Multilayer Ceramic Capacitors	10nF 50V	SMD Keramikkondensator 0603	C57112	2346966	77-VJ0603V103ZXAPBC	445-5662-1-ND	4	SFr. 0.01	SFr. 0.04
C4, C6, C8, C10, C11, C12, C13, C14, C15, C16, C17, C18	Multilayer Ceramic Capacitors	1µF 50V	SMD Keramikkondensator 0603	C15849	3013383	187-CL10A105KB8NNNC	1276-1860-1-ND	12	SFr. 0.01	SFr. 0.12
M1, M2	Solderable Standoff Nut	M3 3mm	SMD Solder-Nut (M3 3mm)	C2915308		153-SMTSO-M3-3ET		2	SFr. 0.05	SFr. 0.10
P1, P2, P3, P4, P5, P6, P7, P8	Smart RGB-LED	XL-0807RGB-C-WS2812B	SMD LED WS2812B-0807	C3646929				8	SFr. 0.07	SFr. 0.56
U1, U2, U3, U4	Digital PDM MEMS Microphone (Top Port)	MP34DT05TR-A	SMD Microphone (MP34DT05TR-A)	C2688664	2851942	511-MP34DT05TR-A	497-17809-1-ND	4	SFr. 1.50	SFr. 6.00
X1	FPC-Connector (10-Pin, Slide-Lock, Bottom Contact)	AFA07-S10FCC-00	SMD Connector (AFA07-S10FCC-00) [Reversed]	C52162	3873345	640-FFC3B07-10-T	2073-FFC3B07-10-TCT-ND	1	SFr. 0.09	SFr. 0.09
										SFr. 6.93
Autor										
Florian Baumgartner & Alain Keller				Ostschweizer Fachhochschule Florian Baumgartner & Alain Keller florian.baumgartner@ost.ch						
				 OST Ostschweizer Fachhochschule						
				 ICAI						