Bill of Materials Bill of Materials for Project [Microphone-Arm.PrjPcb] File name: Microphone-Arm.PrjPcb Project: Microphone-Arm V1.0 Variant:

Creation Date: 22.01.2024 22.01.2024

Component Description Footprint

Designator	Component Description	Component value	Тоограни	OLO-1 uits	i ai non	modaei	Digikey	addinity	OIIIC TTICO	Tota
C1, C2	Multilayer Ceramic Capacitors MLCC	10µF 50V	SMD Keramikkondensator 1206	C13585	2113070	963-LMK107BBJ106MALT	587-3258-1-ND	2	SFr. 0.01	
C3, C5, C7, C9	Multilayer Ceramic Capacitors	10nF 50V	SMD Keramikkondensator 0603	C57112	2346966	77-VJ0603V103ZXAPBC	445-5662-1-ND	4	SFr. 0.01	
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	
M1, M2	Solderable Standoff Nut	M3 3mm	SMD Solder-Nut (M3 3mm)	C2915308		153-SMTSO-M3-3ET		2	SFr. 0.05	j
P1 P2 P3 P4 P5 P6 P7 P8	Smart RGB-LED	XI -0807RGRC-WS2812R	SMD LED WS2812B-0807	C3646929				8	SEr 0.07	/

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
/1, M2	Solderable Standoff Nut	M3 3mm	SMD Solder-Nut (M3 3mm)	C2915308		153-SMTSO-M3-3ET		2	SFr. 0
P1, P2, P3, P4, P5, P6, P7, P8	Smart RGB-LED	XL-0807RGBC-WS2812B	SMD LED WS2812B-0807	C3646929				8	SFr. 0
J1, 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.

P1, P2, P3, P4, P5, P6, P7, P8	Smart RGB-LED	XL-0807RGBC-WS2812B	SMD LED WS2812B-0807	C3646929			E	В	SFr. 0.07	SF
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	4	SFr. 1.50	SF
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	1	SFr. 0.09	SFi
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Autor										
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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.
01, 02, 03, 04	Digital PDW MEWS Micropriorie (Top Port)	WP34D1051K-A	SMD Micropriorie (MP34D1051K-A)	U2000004	2001942	511-WP34D1051K-A	497-17009-1-ND	4	SF1. 1.50	SFI.

Autor				SFr. 6.
Fiorian Baumgartner & Alain Keller		Ostschweizer Fachhochschule		
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