Bill of Materials

Company:
Project Name:
Revision:
Prepared by:
Approved by:
Production date University of Concordia Smart Front Door Release 5 BOM Dean Chong San, Nick Di Marco and Benjamin Lanthier, Team 26 Dmtty Rozhdestvenskiy 1/28/2021

	Design Reference	Name	Description	Value	Qty L	Jnit	Manufacturer	Manufacturer P/N	Package	Туре	Supplier	Supplier P/N	Unit Cost (\$CDN)	Total Cost (\$CDN)
1	-	Battery Charger	Desktop Battery Charger 7A 300 mA 6V	300mA, 6V	1 [pcs	ZEUS Battery Products	PCCG-SLA6V300	Bulk	Desktop	Digi-Key	2059-PCCG-	16.1	16.1
2			MAGNET 1.125"L X 0.259"W PLASTIC for	57150-000	- '	-	· ·	57150-000	Bulk			SLA6V300-ND	4.05	
3	•	Magnet PCB	59145-030 Reed switch Project 4-Layer PCB - 63.5mm x 63.5mm	57150-000		pcs	Littelfuse Inc. JLCPCB	57 150-000	Single PCB	Alnico 5 (AlNiCo) 4 Layers	Digi-Key JLCPCB	57150-000-ND	4.05	4.05 60.032
3	-	FCB	Gigastone 32GB Micro SD Card, Camera		3 1	pcs	JECFCB	-		4 Layers	JECFUB			00.032
4	-	SD Card 32 GB	Plus, Full HD Available 90MB/S, U1 C10 Class 10 Micro SDHC, UHS-I Memory Card	32gb	1 p	pcs	Gigastone	Micro SD Card U1	Single Micro SD card	Class 10	Amazon.ca	B089GCB8N8	9.98	9.98
5	_	USB to Serial	with Adapter RF Explorer - Adapter Board	317990279	1 0	pcs	Seeed Technology Co. Ltd	317990279	Evaluation Board	Adapter Board	Digi-Key	1597-1492-ND	8.42	8.42
6	-	Wrapped Wire	WIRE WRAP THIN PROTOTYPING & REP	50'		pcs	Adafruit Industries LLC	1446	Bulk	Wrapped	Digi-Key Digi-Key	1528-2005-ND	10.38	10.38
7	BT1	Batteries	Battery HHR PACK NIMH 6V L-A	3.7Ah	2 p	pcs	Panasonic - BSG	HHR-380AB27F5	5 cells	side-to-side	Digi-Key	P018-F051-ND	52.26	104.52
8	BT2, SW4	Wireless Doorbell	Heath Zenith Wireless Battery Operated Door Bell Kit with 1-Push Button	# SL-7306-03	1 [pcs	Heath Zenith	# SL-7306-03	Box	//	HomeDepot	# 1001341241	30	30
9	C1, C2, C5, C11, C15, C17	1 uF Cap	MULTILAYER CERAMIC CAPACITORS MLCC - SMD/SMT 1UF 25V 0402 ROHS	1 uF	12 p	pcs S	Samsung Electro-Mechanics	CL05A105KA5NQNC	0402	SM	LCSC	C52923	0.0071	0.284
10	C16	22 uF Cap	MULTILAYER CERAMIC CAPACITORS	22 uF	2 [pcs S	Samsung Electro-Mechanics	CL21A226MAQNNNE	0805	SM	LCSC	C45783	0.0526	0.0526
			MLCC - SMD/SMT 22UF 25V 0805 ROHS		·			EKOAVED4C406KD00				445-		
11	C20, C21	10uF Cap	CAP CER 10UF 16V X5R RADIAL	10 uF	4 [pcs	TDK Corporation	FK24X5R1C106KR00 0	Radial	Through hole	Digi-Key	FK24X5R1C106KR00 0-ND	0.69	2.76
12	C3, C9, C10,	0.1 uF Cap	MULTILAYER CERAMIC CAPACITORS	0.1 uF	12	pcs S	Samsung Electro-Mechanics	CL05B104KO5NNNC	0402	SM	LCSC	C1525	0.0029	0.116
13	C12, C13, C19 C4, C6, C7, C8,		MLCC - SMD/SMT 100NF 50V 0603 ROHS MULTILAYER CERAMIC CAPACITORS	10 uF	- 1				0603	SM	1000	C19702	0.0169	0.220
	C14, C18	10 uF Cap	MLCC - SMD/SMT 10UF 10V 0603 ROHS		Ι.		Samsung Electro-Mechanics	CL10A106KP8NNNC	0603		LCSC	1 1 1		0.338
14 15	CR1 D1	Schottky Diode TVS Diodes	Diode Schottky 25V 2A SMB TVS DIODE 5.8V 10.5V DO204AC	25V, 2A P6KE6.8A		pcs	STMicroelectronics Littelfuse Inc.	STPS2L25U P6KE6.8A	DO-214AA DO-204AC	SM Through hole	Digi-Key Digi-Key	497-5573-1-ND P6KE6.8ALFCT-ND	0.51	2.04 0.96
			Connector Header Surface Mount, Right	S4B-PH-SM4-		_		S4B-PH-SM4-TB(LF)		·				
16	J1, J2, J6, J7	4-wire connector male	Angle 4 position	TB(LF)(SN)	8 t	pcs	JST Sales America Inc	(SN)	Shrouded	SM, Right Angle	Digi-Key	455-1751-1-ND	1.02	8.16
17	J14, J19	7-wire connector female	7 Position Terminal Block Plug, Female Sockets 0.100" (2.54mm) 180° Free	1431071310100 0	2 [pcs	HARTING	14310713101000	Shrouded	Free Hanging (In- Line)	Digi-Key	1195-3604-ND	3.72	7.44
		icitale	Hanging (In-Line)	•					Shrouded, Socket	Line)				
18	J15 - J17	4-wire connector female	4 Position Cable Assembly Rectangular Socket to Individual Wire Leads	CABLE-EH04	6 t	pcs	Trinamic Motion Control GmbH	CABLE-EH04	to individual wire leads	Free Hanging, (In- Line)	Digi-Key	1460-1292-ND	1.7	10.2
19	J18	5-wire connector	5 Rectangular Connectors - Housing	GHR-05V-S	2 [pcs	JST Sales America Inc.	GHR-05V-S	Shrouded	Free Hanging (In-	Digi-Key	455-1595-ND	0.25	0.5
		female	Receptable Natural 7 Position Terminal Block Header, Male		-					Line)	3 17			
20	J3, J5	7-connector male	Pins, Shrouded (4 Side) 0.100" (2.54mm) 90°, Right Angle Surface Mount	1411071300200 0	4 p	pcs	HARTING	14110713002000	Shrouded	SM, Right Angle	Digi-Key	1195-3639-1-ND	2.87	11.48
21	J4	5-wire connector male	CONN HEADER SMD R/A 5POS 1.25MM	SM05B-GHS-	2 [pcs	JST Sales America Inc	SM05B-GHS-TB(LF)	Shrouded	SM, Right Angle	Digi-Key	455-1567-1-ND	0.5	1
22	J8	Barrel Connector	DC POWER JACK, SMT, HORIZONTAL,	TB(LF)(SN) DCJ065-05-A-	2 [pcs	GCT	(SN) DCJ065-05-A-K1-A	Bulk	SM, Right Angle	Digi-Key	2073-DCJ065-05-A-	1.05	2.1
			Cable Assembly 0.7mm ID, 2.35mm OD	K1-A		-				Free Hanging,		K1-ACT-ND		
23	J9	Barrel Plug	Plug to wire	CA-2192	1 p	pcs '	Tensility International Corp	CA-2192	Bulk	Plug to wire leads	Digi-Key	CP-2192-ND	3.79	3.79
24	L1	180uH Inductor	Shielded Wirewound Inductor	180 µH	2 [pcs	Bourns Inc	SRR1210-181M	Nonstandard	SM	Digi-Key	SRR1210-181MCT- ND	1.64	3.28
25	M1	Defiant Door lock	Defiant Castle Matte Black Single Cylinder Electronic Keypad Deadbolt	# G7XKD01AA	1 p	pcs	Defiant	# G7XKD01AA	Box	Electronic Keypad	HomeDepot	# 1001134626	90	90
00														
26	MS1	Motion Sensor	Motion Sensor SEN0171 PIR (MOTION) SENSOR	Gravity	1 p	pcs	DFRobot	SEN0171	Board and cables	Sensor	Digi-Key	1738-1129-ND	6.93	6.93
27	MS1 R1	Motion Sensor 200 Ω Res	SENSOR CHIP RESISTOR - SURFACE MOUNT	Gravity 200 Ω		pcs	DFRobot Uniroyal Elec	SEN0171 0805W8F2000T5E	Board and cables 0805	Sensor SM	Digi-Key LCSC	1738-1129-ND C17540		
		200 Ω Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS	,	2 p		Uniroyal Elec				LCSC		6.93	6.93
27	R1		SENSOR CHIP RESISTOR - SURFACE MOUNT	200 Ω	2 p	pcs		0805W8F2000T5E	0805	SM		C17540	6.93 0.0035	6.93 0.07
27	R1 R14	200 Ω Res 10 kΩ Res (0.1% Tol)	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 118W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0803 RES SMD 931K OHM 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT	200 Ω 10 kΩ	2 p	pcs pcs	Uniroyal Elec Yageo Yageo	0805W8F2000T5E ERA-6AEB304V	0805 0805	SM SM	LCSC Digi-Key	C17540 P300KDACT-ND	6.93 0.0035 0.46	6.93 0.07 0.92
27 28 29	R1 R14 R17	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0603 RES SMD 931K OHM 1% 1/8W 0805	200 Ω 10 kΩ 931 kΩ	2 p	pcs pcs pcs	Uniroyal Elec Yageo	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E	0805 0805 0805	SM SM SM	LCSC Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541-	6.93 0.0035 0.46 0.15	6.93 0.07 0.92 0.3
27 28 29	R1 R14 R17	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 118W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0803 RES SMD 931K OHM 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT	200 Ω 10 kΩ 931 kΩ	2 p	pcs pcs pcs	Uniroyal Elec Yageo Yageo	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL	0805 0805 0805	SM SM SM	LCSC Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616	6.93 0.0035 0.46 0.15	6.93 0.07 0.92 0.3
27 28 29 30	R1 R14 R17 R18 R19	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0803 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 RES 499 OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT	200 Ω 10 kΩ 931 kΩ 300 kΩ	2 p	pcs pcs pcs pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE	0805 0805 0805 0805	SM SM SM	LCSC Digi-Key Digi-Key LCSC	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE	6.93 0.0035 0.46 0.15 0.0036	6.93 0.07 0.92 0.3 0.072
27 28 29 30	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS RES SMD 10K OHM 0.1% 1/1/0W 0603 RES SMD 31K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω	2	pcs pcs pcs pcs pcs pcs pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E	0805 0805 0805 0805 0805	SM SM SM SM	LCSC Digi-Key Digi-Key LCSC Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414	6.93 0.0035 0.46 0.15 0.0036	6.93 0.07 0.92 0.3 0.072
27 28 29 30 31 32 33	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0803 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 ROHS RES 499 OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ	2	pcs pcs pcs pcs pcs pcs pcs pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E	0805 0805 0805 0805 0805	SM SM SM SM SM SM SM SM	LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC LCSC	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 S41- CRCW0805499RFKE ACCT-ND C17414 C17539	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004	6.93 0.07 0.92 0.3 0.072 0.3 0.088
27 28 29 30 31 32 33 34	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS RES SMD 10K OHM 0.1% 1/1/0W 0603 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 20KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 20KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E 0805W8F3003T5E	0805 0805 0805 0805 0805 0805 0805	SM	LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC LCSC LCSC	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114
27 28 29 30 31 32 33 34 35	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0805 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 ROHS RES 499 OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 18W 0805 ROHS TIMMET 10K 0	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Elec Boums Inc	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E 0805W8F1503T5E TC33X-2-103E	0805 0805 0805 0805 0805 0805 0805 0805	SM	LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC LCSC LCSC Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4	0.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114
27 28 29 30 31 32 33 34 35 36	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS RES SMD 10K OHM 0.1% 1/1/0W 0603 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 20KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 20KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 10 kΩ	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Sourns Inc Yageo	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E 0805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC LCSC LCSC LCSC Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3
27 28 29 30 31 32 33 34 35 36	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 10 kΩ Trimmer 86.6 kΩ Res 100 Ω Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 19K OHM 0.1% /1/10W 0603 RES SMD 19K OHM 1% 18W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% /18W 0805 ROHS RES 499 OHM 1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% /18W 0805 ROHS Trimmer 10k 0 RES SMD 86 6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% /18W 0805 ROHS TRIME 15KD 0805 ROHS TRIME 15KD 0805 ROHS THOMAS ±1% /18W 0805 ROHS	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 10 kΩ 10 kΩ 10 kΩ	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec Uniroyal Elec Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Bourns Inc Yageo Uniroyal Elec	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E C805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E	0805 0805 0805 0805 0805 0805 0805 0805	SM	LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC LCSC LCSC LCSC Digi-Key Digi-Key LCSC	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541. CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0035	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07
27 28 29 30 31 32 33 34 35 36	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS RES SMD 10K 0HM 0.1% 1/10W 0603 RES SMD 10K 0HM 0.1% 1/10W 0603 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 ROHS RES 499 OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% 1/8W 0805 ROHS TIMMER 10K 1/8W 0805 ROHS TIMMER 15W 1/8W 0805 ROHS TIMMER 15W 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% 1/8W 0805 ROHS THOMER 15W 1/8W 0805 ROHS THOMER 15W 1/8W 0805 ROHS RES SMD 86 KO HM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 1000HMS ±1% 1/8W 0805 ROHS RES 180 OHM 1/8W 5% AXIAL	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 10 kΩ	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Sourns Inc Yageo	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E 0805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC LCSC LCSC LCSC Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3
27 28 29 30 31 32 33 34 35 36	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 10 kΩ Trimmer 86.6 kΩ Res 100 Ω Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 19K OHM 0.1% /1/10W 0603 RES SMD 19K OHM 1% 18W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% /18W 0805 ROHS RES 499 OHM 1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% /18W 0805 ROHS Trimmer 10k 0 RES SMD 86 6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% /18W 0805 ROHS TRIME 15KD 0805 ROHS TRIME 15KD 0805 ROHS THOMAS ±1% /18W 0805 ROHS	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 10 kΩ 10 kΩ 10 kΩ	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec Uniroyal Elec Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Bourns Inc Yageo Uniroyal Elec	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E C805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC LCSC LCSC LCSC Digi-Key Digi-Key LCSC	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541. CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0035	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07
27 28 29 30 31 32 33 34 35 36 37 38	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 10 kΩ Trimmer 86.6 kΩ Res 100 Ω Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 191K OHM 0.1% 1/10W 0805 RES SMD 191K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 ROHS RES 499 OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% 1/8W 0805 ROHS TIMMET 15W 0805 ROHS TIMMET 15W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 100CHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 100CHMS ±1% 1/8W 0805 ROHS RES 180 OHM 1% 1/8W 0805 ROHS RES 180 OHM 1% 1/8W 0805 ROHS RES 180 OHM 1/8W 578 XAXIA CHIP RESISTOR - SURFACE MOUNT	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 10 kΩ 180 Ω	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec Uniroyal Elec Elec Uniroyal Elec Uniroyal Elec Stackpole Electronics Inc	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R	0805 0805 0805 0805 0805 0805 0805 0805	SM Through hole	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC LCSC Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND C17408 CF18JT180RCT-ND 13-RL0805FR-	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0035	6.93 0.07 0.92 0.3 0.072 0.38 0.088 0.114 0.8 0.3 0.07
27 28 29 30 31 32 33 34 35 36 37 38	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 100 Ω Res 100 Ω Res 100 Ω Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 19K OHM 0.1% 1/10W 0805 RES SMD 19K OHM 1% 1/10W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% /18W 0805 ROHS RES 499 OHM 1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 20KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 15KOHMS ±1% /18W 0805 ROHS Timmer 10K 0 RES SMD 86 KOHM 1% /18W 0805 CHIP RESISTOR - SURFACE MOUNT 1000HMS ±1% /18W 0805 ROHS TIMMER SMD 86 KOHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 1000HMS ±1% 1/8W 0805 ROHS RES 180 OHM /18W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8W 0805 ROHS	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 100 kΩ 180 Ω 100 kΩ	2 F F F F F F F F F F F F F F F F F F F	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Sacuras Inc Yageo Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E CRS3X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R 0805W8F1003T5E	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC Digi-Key Digi-Key LCSC LCSC Digi-Key LCSC LCSC LCSC LCSC LCSC LCSC LCSC LCS	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 S41. CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND C17408 CF18JT180RCT-ND C17407	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0035 0.15	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 0.3
27 28 29 30 31 32 33 34 35 36 37 38 39	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 100 kΩ Trimmer 86.6 kΩ Res 100 Ω Res 180 Ω Res 100 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS RES SMD 10K 0HM 0.1% 1/10W 0603 RES SMD 10K 0HM 1/8 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% 1/8W 0805 ROHS Timmer 10K 0 RES SMD 86.6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8W 0805 ROHS TIMMER SHOW 0805 ROHS TIMMER SHOW 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8W 0805 ROHS TIMMER SHOW 0805 ROHS TIMMER SHOW 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8W 0805 ROHS RES 180 OHM 1/8W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8W 0402 ROHS RES 0.4 OHM 1% 1/8W 0402 ROHS	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 100 Ω 180 Ω 100 Ω 180 Ω 100 Ω 180 Ω 100 KΩ 400 mΩ 1.43 kΩ PTS 647 SK50	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Sacural Elec Bourns Inc Yageo Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E TC33X-2-103E RC0805FR-0786K8L 0805W8F1000T5E CF18JT180R 0805W8F1003T5E RL0805FR-07084L RC0805FR-071K43L	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC LCSC Digi-Key LCSC LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0806499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND C17408 CF18JT180RCT-ND 13-RL0806FR- 070R4LCT-ND 711-143KCRCT-ND PT58475K505MTR2L	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0035 0.15 0.0038	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 0.3
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 10 kΩ Trimmer 86.6 kΩ Res 100 Ω Res 180 Ω Res 100 kΩ Res 1480 Ω Res 1480 Ω Res 1480 Ω Res 1590 kΩ Res 1480 Ω Res 1590 kΩ Res 1480 Ω Res 1590 kΩ Res 1480 Ω Res 1480 Ω Res 1480 Ω Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 19K OHM 0.1% 1/10W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% /18W 0805 ROHS RES 99 OHM 1% 1/8W 0805 ROHS RES 499 OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 120KOHMS ±1% 1/8W 0805 ROHS Trimmer 10k Ω RES 9MD 86.6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 100OHMS ±1% 1/8W 0805 ROHS RES 180 OHM 1/8W 1/8W 0805 RES 180 OHM 1/8W 1/8W 0805 RES 180 OHM 1/8W 5/8 AXIAL CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/16W 0402 ROHS RES 14W 1/16W 0402 ROHS RES 0.4 OHM 1/8W 1/8W 0805 RES 0.4 OHM 1/8W 1/8W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 Tactile Switch Top Actuated Surface Mount Tactile Switch Top Actuated Surface Mount	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 100 Ω 180 Ω 100 kΩ 180 Ω 100 kΩ 180 Ω 100 kΩ 100 kΩ 100 kΩ 100 kΩ	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec Yageo Yageo Yageo C&K TE Connectivity	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R 0805W8F1003T5E RL0805FR-0704L RC0805FR-0704L RC0805FR-071K43L PTS 647 5K50 SMTR2 LFS	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC Digi-Key Digi-Key LCSC Digi-Key Digi-Key LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND C17408 CF18JT180RCT-ND C17407 13-RL0805FR- 070R4LCT-ND 311-1.43KCRCT-ND PT58475KSOSMTR2L	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.004 0.0057 0.4 0.15 0.0035 0.15 0.0038 0.65 0.15	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 0.3 0.076 1.3 0.8
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2 SW3	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 100 Ω Res 100 Ω Res 100 Ω Res 1480 Ω Res 1480 Ω Res 1480 Ω Res 150 kΩ	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0603 RES SMD 10K OHM 0.1% 1/10W 0603 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% 1/8W 0805 ROHS Trimmer 10k 0 RES SMD 86.6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8W 0805 ROHS TRIMMER 15% 1/8W 0805 ROHS THOM 15% 1/8W 0805 ROHS RES 180 OHM 1/8W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/16W 0402 ROHS RES 0.4 OHM 1% 1/8W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 Tactile Switch Top Actuated Surface Mount Tactile Switch SPST-NO Top Actuated Through Hole	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 160 kΩ 100 Ω 180 Ω 100 kΩ 400 mΩ 4.43 kΩ PTS 647 SK50 SMTR2 LFS 1825910-6	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Sackpole Electronics Inc Uniroyal Elec Yageo Yageo Yageo C&K TE Connectivity ALCOSWITCH Switches	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R 0805W8F1003T5E RL0805FR-07084L RC0805FR-07164AL PTS 647 SK50 SMTR2 LFS 1825910-6	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC Digi-Key LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541. CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND C17408 CF18JT180RCT-ND C17407 13-RL0805FR- 070R4LCT-ND 311-43KCRCT-ND PTS6475KSOTT-ND 450-1650-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.004 0.0047 0.4 0.15 0.0035 0.15 0.0038 0.65 0.15 0.2	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 0.3 0.076 1.3 0.3 0.8
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2 SW3 SW5	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 100 Ω Res 100 Ω Res 100 Ω Res 1480 Ω Res 1480 Ω Res 50 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 19K OHM 0.1% 1/10W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% /18W 0805 ROHS RES 99 OHM 1% 1/8W 0805 ROHS RES 499 OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 120KOHMS ±1% 1/8W 0805 ROHS Trimmer 10k Ω RES 9MD 86.6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 100OHMS ±1% 1/8W 0805 ROHS RES 180 OHM 1/8W 1/8W 0805 RES 180 OHM 1/8W 1/8W 0805 RES 180 OHM 1/8W 5/8 AXIAL CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/16W 0402 ROHS RES 14W 1/16W 0402 ROHS RES 0.4 OHM 1/8W 1/8W 0805 RES 0.4 OHM 1/8W 1/8W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 Tactile Switch Top Actuated Surface Mount Tactile Switch Top Actuated Surface Mount	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 160 kΩ 100 Ω 180 Ω 100 kΩ 499Ω 1700 kΩ 180 Ω 180 Ω 180 Ω 180 Ω 180 R	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Bourns Inc Yageo Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec Cakeo Cakeo Tageo Cakeo Teconectivity ALCOSWITCH Switches Littelfuse Inc.	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F1002T5E 0805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R 0805W8F1003T5E RL0805FR-070R4L RC0805FR-070R4L RC0805FR-071K43L PTS 647 5K50 SMTR2 LFS 1825910-6 59145-030	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC Digi-Key Digi-Key Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541. CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND C17408 CF18JT180RCT-ND C17407 13-RL0805FR- 070R4LCT-ND 311-43KCRCT-ND PTS6475KSOMTR2L FSCT 450-1650-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.004 0.0047 0.15 0.0035 0.15 0.0038 0.65 0.15 0.2 0.15 6.58	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 1.3 0.076 1.3 0.8 0.3 0.658
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2 SW3	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 100 Ω Res 100 Ω Res 100 Ω Res 1480 Ω Res 1480 Ω Res 1480 Ω Res 150 kΩ	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% 1/8/W 0805 ROHS RES SMD 10K 0HM 0.1% 1/1/0W 0803 RES SMD 931K 0HM 1% 1/8/W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8/W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8/W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8/W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% 1/8/W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% 1/8/W 0805 ROHS Timmer 10k 0 RES SMD 86.6K OHM 1% 1/8/W 0805 CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8/W 0805 ROHS TIMMER 15% 1/8/W 0805 ROHS TIMMER 15% 1/8/W 0805 ROHS RES MD 86.6K OHM 1% 1/8/W 0805 CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8/W 0805 ROHS TIMMER 15% 1/8/W 0805 ROHS RES 180 OHM 1/8/W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/8/W 0805 RES MD 143K OHM 1/8/W 0805 RES SMD 143K OHM 1/8/W 0805 RES SMD 1 43K OHM 1/8/W 0805 Tactile Switch 5/PST-NO Top Actuated Through Hole SENSOR REED SW SPDT WIRE LEADS Optoisolator Transistor Output 2500Vms 2	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 160 kΩ 100 Ω 180 Ω 100 kΩ 400 mΩ 4.43 kΩ PTS 647 SK50 SMTR2 LFS 1825910-6	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Sackpole Electronics Inc Uniroyal Elec Yageo Yageo Yageo C&K TE Connectivity ALCOSWITCH Switches	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R 0805W8F1003T5E RL0805FR-07084L RC0805FR-071K4L RC0805FR-071K4L PTS 647 SK50 SMTR2 LFS 1825910-6	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC Digi-Key LCSC Digi-Key Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW08065499RFKE ACCT-ND C17414 C17539 C17477 TC33X-103ECT-ND 311-86.6KCRTR-ND C17407 13-RL0805FR- 070R4LCT-ND 311-1.43KCRCT-ND 311-1.43KCRCT-ND 450-1650-ND 59145-030-ND MOCD207D2MCT-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.004 0.0047 0.4 0.15 0.0035 0.15 0.0038 0.65 0.15 0.2	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 0.3 0.076 1.3 0.3 0.8
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2 SW3 SW5	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 100 Ω Res 100 Ω Res 100 Ω Res 1480 Ω Res 1480 Ω Res 50 kΩ Res	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS ±1% /18W 0805 ROHS RES SMD 19K OHM 0.1% /170W 0803 RES SMD 19K OHM 1% /18W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% /18W 0805 ROHS RES 499 OHM 1% 18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 200KOHMS ±1% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% /18W 0805 ROHS Trimmer 10k 0 RES SMD 86 6K OHM 1% /18W 0805 CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% /18W 0805 ROHS TES 180 OHM /18W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% /176W 0805 RES 180 OHM /18W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% /176W 0805 RES 0.4 OHM 1% /18W 0805 RES 0.4 OHM 1% /18W 0805 RES MD 1.43K OHM 1% /18W 0805 Tactile Switch Top Actuated Surface Mount Tactile Switch SpST-NO Top Actuated Through Hole SENSOR REED SW SPDT WIRE LEADS Optoisolator Transistor Output 2500Vrms 2 Channel 8-SOIC ESP32-SOLO-1 Board, 2.4GHz, 150Mbps, 3.6V	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 160 kΩ 100 Ω 180 Ω 100 kΩ 400 mΩ 400 mΩ 1.43 kΩ PTS 647 SK50 SMTR2 LFS 1825910-6 59145-030 2500Vrms ESP32-SOLO-1	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Bourns Inc Yageo Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec Cakeo Cakeo Tageo Cakeo Teconectivity ALCOSWITCH Switches Littelfuse Inc.	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F1002T5E 0805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R 0805W8F1003T5E RL0805FR-070R4L RC0805FR-070R4L RC0805FR-071K43L PTS 647 5K50 SMTR2 LFS 1825910-6 59145-030	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC Digi-Key Digi-Key Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541. CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND C17408 CF18JT180RCT-ND C17407 13-RL0805FR- 070R4LCT-ND 311-43KCRCT-ND PTS6475KSOMTR2L FSCT 450-1650-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.004 0.0047 0.15 0.0035 0.15 0.0038 0.65 0.15 0.2 0.15 6.58	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 1.3 0.076 1.3 0.8 0.3 0.658
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2 SW3 SW5 U1	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 100 Ω Res 100 Ω Res 1480 Ω Res 1480 Ω Res 150 kΩ Res 150 k	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS 11% /18W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0803 RES SMD 10K OHM 1% /18W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 ROHS RES 499 OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 1200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% 1/8W 0805 ROHS Trimmer 10k Ω RES SMD 86.6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 100CHMS ±1% 1/8W 0805 ROHS RES 180 OHM 1/8W 1/8W 0805 RES 180 OHM 1/8W 1/8W 0805 RES 180 OHM 1/8W 1/8W 0805 RES 180 OHM 1/8W 5/8 AXIAL CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/16W 0402 ROHS RES 14W 1/16W 0402 ROHS RES 0.4 OHM 1/8 1/8W 0805 Tactile Switch 10P Actuated Surface Mount Tactile Switch 10P Actuated Surface Mount Tactile Switch 5PST-NO Top Actuated Through Hole SENSOR REED SW SPDT WIRE LEADS Optoisolator Transistor Output 2500Vrms 2 Channel 8-SOIC ESP32-SOLO-1 Board, 24GHz, 150Mbps,	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 10 kΩ 160 kΩ 100 Ω 180 Ω 100 kΩ 180 Ω 100 kΩ 200 kΩ 100 kΩ 200	2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Bourns Inc Yageo Uniroyal Elec Bourns Inc Yageo Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec Yageo Yageo C&K TE Connectivity ALCOSWITCH Switches Littelfuse Inc. ON Semiconductor	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F2003T5E TC33X-2-103E RC0805FR-0786K8L 0805W8F1000T5E CF18JT180R 0805W8F1003T5E RL0805FR-070F4L RC0805FR-070F4L RC0805FR-070F4L RC0805FR-071K43L PTS 647 SK50 SMTR2 LFS 1825910-6 59145-030 MOCD207D2M	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC Digi-Key LCSC Digi-Key Digi-Key Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key LCSC Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND C17407 13-RL0805FR- 070R4LCT-ND 311-143KCRCT-ND PT56475K505MTR2L FSCT 450-1650-ND M0CD207D2MCT-ND 1965-ESP32-SOLO-	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0038 0.65 0.15 0.2 0.15 6.58 2.18	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 0.3 0.076 1.3 0.3 0.8 0.3 6.58
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2 SW3 SW5 U1 U2 U3 U4	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 10 kΩ Trimmer 86.6 kΩ Res 100 Ω Res 143 kΩ Res 143 kΩ Res 5 kΩ Res 143 kΩ Res 145 kΩ Res 150 kΩ Res 160 C Res 170 kΩ Res 180 C Re	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS 11% /18W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0603 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS 11% /18W 0805 ROHS RES 499 OHM 1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS 11% /18W 0805 ROHS RES SMD 86.6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS RES 18D 00HM /18W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS RES 18D 0HM /18W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 Tactile Switch Top Actuated Through Hole SENSOR REED SW SPDT WIRE LEADS Optioslator Transistor Output 2500Vms 2 Channel 8-SOL Bipolar Motor Driver Power MOSFET Parallel IC OPAMIP GP 2 CIRCUIT 8VSSOP	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 150 kΩ 10 kΩ 160 kΩ 160 kΩ 100 kΩ 180 Ω 100 kΩ 400 mΩ 1.43 kΩ PTS 647 SK50 SMTR2 LFS 1825910-6 59145-030 2500Vrms ESP32-SOLO-1 DRV8832ODG qRQ1 TLV8812DGKR	2 1 2 2 3 4 3 4 5 4 5 5 6 6 6 6 6 6 6 6	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Saums Inc Yageo Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec Yageo Yageo C&K TE Connectivity ALCOSWITCH Switches Littettiuse Inc. ON Semiconductor Espressif Systems Texas Instruments	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F1002T5E 0805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R 0805W8F1000T5E RL0805FR-070R4L RC0805FR-071K43L PTS 647 5K50 SMTR2 LFS 1825910-6 59145-030 MOCD207D2M ESP32-SOLO-1 DRV8832QDGQRQ1	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND C17407 13-RL0805FR- 0764LCT-ND 311-1.43KCRCT-ND 311-1.43KCRCT-ND 450-1650-ND 59145-030-ND MOCD207D2MCT-ND 1965-ESP32-SOLO- 1CT-ND 296-51093-1-ND 296-45065-2-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0038 0.65 0.15 0.2 0.15 6.58 2.18 5.12 3.92	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.076 1.3 0.8 0.3 0.658 4.36 10.24 7.84
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2 SW3 SW5 U1 U2 U3 U4 U5	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 10 kΩ Trimmer 86.6 kΩ Res 100 Ω Res 180 Ω Res 143 kΩ Res 58 kΩ Res 100 kΩ Res 10	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS 11% /18W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% /18W 0805 ROHS RES MD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS ±1% 1/8W 0805 ROHS RES 499 OHM 1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 1200KOHMS ±1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS ±1% 1/8W 0805 ROHS Trimmer 10k Ω RES SMD 86 6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 100CHMS ±1% 1/8W 0805 ROHS RES 180 OHM 1/8W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 100CHMS ±1% 1/16W 0402 ROHS RES 180 OHM 1/8W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 100KOHMS ±1% 1/16W 0805 RES MD 1.43K OHM 1% 1/8W 0805 RES MD 1.43K OHM 1% 1/8W 0805 RES MD 1.43K OHM 1% 1/8W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 RES SHO 1/8 RES SHEACE	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 160 kΩ 160 kΩ 160 kΩ 170 kΩ 180 Ω 180 Ω 180 Ω 180 Ω 180 R 180 R 1825910-6 59145-030 2500Vrms ESP32-SOLO-1 DRV8832ΩDG QRQ1 TLV8812DGKR TPS5403DR	2 1 2 2	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec On Semiconductor Espressif Systems Texas Instruments Texas Instruments	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F1002T5E 0805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1003T5E CF18JT180R 0805W8F1003T5E RL0805FR-070R4L RC0805FR-070R4L PTS 647 SK50 SMTR2 LFS 1825910-6 59145-030 MOCD207D2M ESP32-SOLO-1 DRV8832QDGQRQ1 TLV8812DGKR	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC LCSC Digi-Key LCSC LCSC Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND C17407 13-RL0805FR- 070R4LCT-ND 311-1.43KCRCT-ND PTS6475K50SMTR2L FSCT 450-1650-ND 59145-030-ND MOCD207D2MCT-ND 1965-ESP32-SOLO- 1CT-ND 296-510931-ND 296-510931-ND 296-510931-ND 296-510931-ND 296-510932-1-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0038 0.65 0.15 0.2 0.15 6.58 2.18 5.12 3.92 1.28 2.41	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.07 1.3 0.076 1.3 0.3 0.4 0.8 0.3 0.7 1.3 0.4 0.8 0.3 0.7 0.3 0.7 0.3 0.7 0.3 0.7 0.3 0.7 0.3 0.8 0.3 0.8 0.3 0.8 0.3 0.4 0.8 0.3 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8
27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	R1 R14 R17 R18 R19 R2, R3, R5, R7, R10 - R16 R20 - R22 R23 R24 R25 R26 R27 R4, R6 R8 R9 SW1, SW2 SW3 SW5 U1 U2 U3 U4	200 Ω Res 10 kΩ Res (0.1% Tol) 931 kΩ Res 300 kΩ Res 499 Ω Res 10 kΩ Res 200 kΩ Res 150 kΩ Res 150 kΩ Res 10 kΩ Trimmer 86.6 kΩ Res 100 Ω Res 143 kΩ Res 143 kΩ Res 5 kΩ Res 143 kΩ Res 145 kΩ Res 150 kΩ Res 160 C Res 170 kΩ Res 180 C Re	SENSOR CHIP RESISTOR - SURFACE MOUNT 2000HMS 11% /18W 0805 ROHS RES SMD 10K OHM 0.1% 1/10W 0603 RES SMD 931K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 300KOHMS 11% /18W 0805 ROHS RES 499 OHM 1% 1/8W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS CHIP RESISTOR - SURFACE MOUNT 150KOHMS 11% /18W 0805 ROHS RES SMD 86.6K OHM 1% 1/8W 0805 CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS RES 18D 00HM /18W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 ROHS RES 18D 0HM /18W 5% AXIAL CHIP RESISTOR - SURFACE MOUNT 10KOHMS 11% /18W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 RES SMD 1.43K OHM 1% 1/8W 0805 Tactile Switch Top Actuated Through Hole SENSOR REED SW SPDT WIRE LEADS Optioslator Transistor Output 2500Vms 2 Channel 8-SOL Bipolar Motor Driver Power MOSFET Parallel IC OPAMIP GP 2 CIRCUIT 8VSSOP	200 Ω 10 kΩ 931 kΩ 300 kΩ 499Ω 10 kΩ 200 kΩ 150 kΩ 150 kΩ 100 Ω 180 Ω 100 Ω 180 Ω 100 kΩ 400 mΩ 1.43 kΩ PTS 647 SK50 SMTR2 LFS 1825910-6 59145-030 2500Vms ESP32-SOLO-1 DRV8832ODG QRQ1 TLV8812OBCR TPS5403DR 113990580	2 1 2 2 2 3 4 5 5 5 5 5 5 5 5 5	pcs	Uniroyal Elec Yageo Yageo Uniroyal Elec Vishay Dale Uniroyal Elec Uniroyal Elec Uniroyal Elec Uniroyal Elec Saums Inc Yageo Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec Stackpole Electronics Inc Uniroyal Elec Yageo Yageo C&K TE Connectivity ALCOSWITCH Switches Littettiuse Inc. ON Semiconductor Espressif Systems Texas Instruments	0805W8F2000T5E ERA-6AEB304V RC0805FR-07931KL 0805W8F3003T5E CRCW0805499RFKE AC 0805W8F1002T5E 0805W8F1002T5E 0805W8F1503T5E TC33X-2-103E RC0805FR-0786K6L 0805W8F1000T5E CF18JT180R 0805W8F1000T5E RL0805FR-070R4L RC0805FR-071K43L PTS 647 5K50 SMTR2 LFS 1825910-6 59145-030 MOCD207D2M ESP32-SOLO-1 DRV8832QDGQRQ1	0805 0805 0805 0805 0805 0805 0805 0805	SM S	LCSC Digi-Key Digi-Key LCSC LCSC LCSC Digi-Key	C17540 P300KDACT-ND 311-931KCRTR-ND C17616 541- CRCW0805499RFKE ACCT-ND C17414 C17539 C17470 TC33X-103ECT-ND 311-86.6KCRTR-ND C17407 13-RL0805FR- 0764LCT-ND 311-1.43KCRCT-ND 311-1.43KCRCT-ND 450-1650-ND 59145-030-ND MOCD207D2MCT-ND 1965-ESP32-SOLO- 1CT-ND 296-51093-1-ND 296-45065-2-ND	6.93 0.0035 0.46 0.15 0.0036 0.15 0.004 0.0044 0.0057 0.4 0.15 0.0038 0.65 0.15 0.2 0.15 6.58 2.18 5.12 3.92	6.93 0.07 0.92 0.3 0.072 0.3 0.088 0.088 0.114 0.8 0.3 0.076 1.3 0.8 0.3 0.658 4.36 10.24 7.84

Note 2: The price of the parts supplied by LCSC have a fixed price up to a maximum quantity. If the quantity is surpassed, the unit cost is considered instead. Note 3: The components ordered through LCSC will be installed by SMT by the PCB manufacturer