













Comment	Description Accelerometer	Designator	Footprint	LibRef	Quantity
LSM6DSOXTR	Accelerometer	AC1	LGA-14_1	LSM6DSOXTR	
10uF	MLCC Capacitor	C1, C2	C 1206	Capacitor	ļ .
100nF	MLCC Capacitor	C3, C8	C 0603	Capacitor	
33nF	MLCC Capacitor	C4 C5, C9, C12, C28, C36,	C 0402	Capacitor	-
		C37, C38, C39, C41,			
		C43, C44, C46, C48,			
100nF	MLCC Capacitor	C49, C50, C51, C53,	C 0402	Capacitor	2
		C55, C56, C58, C60,			
		C61, C62, C63			
40uF	MLCC Capacitor	C6, C7	C 1206	Capacitor	
		C10, C11, C26, C35,			
1uF	MLCC Capacitor	C40, C42, C52, C54	C 0402	Capacitor	
0.1	MI CC Ci4	C13, C17, C22, C27,	0.0400	Cit	
0.1uF	MLCC Capacitor	C30, C31	C 0402	Capacitor	
UVY1V101MED1TD	Capacitor Polarised	C14, C16, C18, C19,	CAPPRD250W50D655	UVY1V101MED1TD	
	Capacitor Folariseu	C23	H1250	OVITVIONVEDITO	
0.1uF	MLCC Capacitor	C15	C 0603	Capacitor	
22uF	MLCC Capacitor	C20, C24	C 0805	Capacitor	
10uF	MLCC Capacitor	C21, C25	C 0805	Capacitor	
10uF	MLCC Capacitor	C29, C32, C33, C34,	C 0402	Capacitor	
Tour	IVIECC Capacitor	C45, C47, C57, C59	C 0402	Capacitoi	
4 PIN	1	CON1, CON3, CON6,	BM04B-SRSS-TB	4 PIN	
		CON15	BIVIO IB GROOT IB		
·		CON2, CON4, CON7,			
1 Pin	1	CON8, CON9, CON10,		4.00	
	1	CON11, CON12,	SMD PAD	1 Pin	1
	1	CON13, CON14	1		
	 				
4 PIN		CON5, CON16,			
		CON17, CON18,	Goldpin 2.54 4P	4 PIN	
	1	CON21, CON22	C-1d-i- 2.51		1
5 PIN	1	CON19, CON20, CON23, CON24	Goldpin 2.54mm	5 PIN	
LED DI LIE			5Pin	LED DITTE	+
LED BLUE	TVS Diode (Bi-	D1, D2, D3	LED 0603 BLUE	LED BLUE	+
LESD5D5.0CT1G		D4, D5, D6, D7, D8,	LESD5D50CT1G	LESD5D5.0CT1G	
	directional)	D9, D10	SON100P300X300X80-		+
HDC1080DMBR	Integrated Circuit	IC1	7N-D	HDC1080DMBR	
ESP32-S3-WROOM-1-		-	ESP32S3WROOM1N1	ESP32-S3-WROOM-1-	
N16R8	Integrated Circuit	IC2	6R8	N16R8	
		1			1
DRV8251DDAR	Integrated Circuit	IC3, IC4, IC5, IC8	SOIC127P600X170-9N	DRV8251DDAR	
TPS62933DRLR	Integrated Circuit	IC6	SOTFL50P160X60-8N	TPS62933DRLR	1
BAT760-7	Integrated Circuit	IC7, IC11, IC12	SOD2513X120N	BAT760-7	-
AMS1117-5	Integrated Circuit	IC9	SOT229P700X180-4N	AMS1117-3.3	†
AMS1117-3.3	Integrated Circuit	IC10	SOT229P700X180-4N	AMS1117-3.3	
		İ	SOIC127P600X160-		
HX711	Integrated Circuit	IC13, IC14, IC15, IC16	16N	HX711	
09185066324	Connector	J1	09185066324	09185066324	
USB4500-03-0-A	Connector	J2	USB4500030A	USB4500-03-0-A	
0473461001	Connector	J3	0473461001	0473461001	
	General pourpouse				
4.7uH	inductor	L1	HPI0630	Inductor	
A O N 6 402	P-Mosfet 30V 67A	01	DEN Ev4	A O N (402	
AON6403	Rds(on) 3.1mR	Q1	DFN 5x6	AON6403	
BCP51-16,115	Transistor RET PNP	Q2, Q3, Q6, Q7	SOT230P700X180-4N	BCP51-16,115	
S8550	Transistor BJT PNP	Q4, Q5, Q8, Q9	SOT95P240X110-3N	S8550	
10k	General pourpouse	R1, R2, R3, R5, R7, R8,			
	resistor	R16, R17, R18, R21,	R 0402	Resistor	1
		R32, R33			
0	General pourpouse	R4	R 0402	Resistor	
-	resistor	ļ			
31.3K	General pourpouse	R6	R 0402	Resistor	
	resistor	ļ			ļ
5R	General pourpouse	R9, R10, R11, R14	R 1206	Resistor	
	resistor				1
2k	General pourpouse	R12	R 0402	Resistor	
	resistor General nournouse	+	 		+
160	General pourpouse resistor	R13, R15	R 0402	Resistor	
	General pourpouse	†	l		+
47k	resistor	R19	R 0402	Resistor	
	General pourpouse	+	l		+
13k	resistor	R20	R 0402	Resistor	
		R22, R23, R28, R29,	l		+
100R	General pourpouse		P 0402	Posistor	1
NUUI	resistor	R30, R31, R38, R39,	R 0402	Resistor	
	General pourpouse	R40, R41	 		+
	resistor	R24, R25, R34, R35	R 0402	Resistor	
20k	I C212101	1			
20k	Conoral neuropeus				
	General pourpouse	R26, R27, R36, R37	R 0402	Resistor	
20k 3.2k	resistor	R26, R27, R36, R37	R 0402	Resistor	
		R26, R27, R36, R37 S, S1	R 0402 PTS810SJG250SMTRLF		-