

ID	Name	Designator	Value	Footprint	Quantity	Manufacturer	Link
1	Arduino Uno	P1		n.a.	1	Arduino	https://www.digikey.nl/nl/products/detail/arduino/A000066/2784006
2	2.5v reference v	U1	LM285D-2.5G	SOIC-8	1	ON Semicon	https://www.digikey.nl/nl/products/detail/onsemi/LM285D-2.5G/13437135
3	3.3v voltage regu	U2	AMS1117-3.3_C426566	SOT-223	1	STMicroelectronics	https://www.digikey.nl/nl/products/detail/stmicroelectronics/LDL1117S33R/7102071
4	OpAmp	U3	OPA2376QDGKRQ1	VSSOP-8	1	Texas Instruments	https://www.digikey.nl/nl/products/detail/texas-instruments/OPA2376QDGKRQ1/6098067
5	ADC	U4	ADS1256IDBR	SSOP-28	1	Texas Instruments	https://www.digikey.nl/nl/products/detail/texas-instruments/ADS1256IDBR/1689177
6	LED driver	U5	TLC59208FIPWR	TSSOP-16	1	Texas Instruments	https://www.digikey.nl/nl/products/detail/texas-instruments/TLC59208FIPWR/2353643
7	Connector	EXTERNAL-DEVICE1	HDR-F-2.54_2x4	HDR-F-TH-2.54-2x4	1	Adam Tech	https://www.digikey.nl/nl/products/detail/adam-tech/RS2-08-G/9832057
8	Connector	LOGIC-ANALYZER1	MTF185-205SY3	HDR-F-TH-2.54-2x5 (notch)	1	Sullins Connector Solutions	https://www.digikey.nl/nl/products/detail/sullins-connector-solutions/SFH11-PBPC-D05-ST-BK/1990087
9	Ferried bead	L1	0TF	L0805	1	Taiyo Yuden	https://www.digikey.nl/nl/products/detail/taiyo-yuden/BK2125HS241-T/957809
10	Crystal	X1	7.68 MHz	HC-49S	1	Citizen Finedevice Co Ltd	https://www.digikey.nl/nl/products/detail/citizen-finedevice-co-ltd/HC-49-U-S7680000ABJB/284204
11	InGaAs sensor	PHOTODIODE	SD003-151-001	1206	1	Advanced Photonix	https://www.digikey.nl/nl/products/detail/advanced-photonix/003-151-001/5222590
12	Indicator LED	LED1,LED2,LED3		0805	3	Würth	https://www.digikey.nl/nl/products/detail/w%C3%BCrth-elektronik/150080VS75000/4489924
13	Infrared LED	D1	855 nm	1206	1	Würth	https://www.digikey.nl/nl/products/detail/w%C3%BCrth-elektronik/15412085A3060P/14554080
14	Infrared LED	D2	940 nm	1206	1	SunLED	https://www.digikey.nl/nl/products/detail/sunled/XZTNI55W-3/4902105
15	Infrared LED	D3	1050 nm	1206	1	Marktech Optoelectronics	https://www.digikey.nl/nl/products/detail/marktech-optoelectronics/MTSM5010-843-IR/5872628
16	Infrared LED	D4	1200 nm	1206	1	Marktech Optoelectronics	https://www.digikey.nl/nl/products/detail/marktech-optoelectronics/MTSM0012-844-IR/13663020
17	Infrared LED	D5	1300 nm	1206	1	Marktech Optoelectronics	https://www.digikey.nl/nl/products/detail/marktech-optoelectronics/MTSM0013-844-IR/13663042
18	Infrared LED	D6	1450 nm	1206	1	Marktech Optoelectronics	https://www.digikey.nl/nl/products/detail/marktech-optoelectronics/MTSM6014-844-IR/13282619
19	Infrared LED	D7	1550 nm	1206	1	Marktech Optoelectronics	https://www.digikey.nl/nl/products/detail/marktech-optoelectronics/MTSM5015-844-IR/13663050
20	Infrared LED	D8	1650 nm	1206	1	Marktech Optoelectronics	https://www.digikey.nl/nl/products/detail/marktech-optoelectronics/MTSM5016-843-IR/5872631
21	Resistor	R15,R18,R22,R23,R24	0 ohm	0805	5		
22	Resistor	R33	6.8 ohm	0805	1		
23	Resistor	R4	25 ohm	0805	1		
24	Resistor	R32	36 ohm	0805	1		
25	Resistor	R31	39 ohm	0805	1		
26	Resistor	R26,R27,R28,R29,R30	43 ohm	0805	5		
27	Resistor	R9,R10	49.9 ohm	0805	2		
28	Resistor	R2	65 ohm	0805	1		
29	Resistor	R8,R13,R14,R16,R17,R19	100 ohm	0805	6		
30	Resistor	R3	150 ohm	0805	1		
31	Resistor	R11,R12	301 ohm	0805	2		
32	Resistor	R1,R7,R25	1 kilo ohm	0805	3		
33	Resistor	R20,R21	10 kilo ohm	0805	2		
34	Resistor	R6,R5	240 kilo ohm	0805	2		
35	Capacitor	C17,C18	18 pico farad	0805	2		
36	Capacitor	C8,C9	51 pico farad	0805	2		
37	Capacitor	C15,C16	100 pico farad	0805	2		
38	Capacitor	C13	47 nano farad	0805	1		
39	Capacitor	C3,C4,C5,C7,C10,C14,C11,C19	100 nano farad	0805	8		
40	Capacitor	C1	10 micro farad	0805	1		
41	Capacitor	C2,C6,C12	22 micro farad	0805	3		