

Source:	C:\Users\lemins\Documents\KiCad Project\Proximity Sensor\ProximitySensor\ProximitySensor.sch			
Date:	11/21/2021 1:00:25 PM			
Tool:	Eeschema (5.1.5)-3			
Component Count:	87			
Ref	Value	Part Number	Buy	Datasheet
C1	22u	478-1682-1-ND	No	~
C2	0.01u	399-10040-1-ND	No	~
C3	0.01u	399-10040-1-ND	No	~
C4	1u	399-3118-1-ND	No	~
C5	47u	478-8644-1-ND	No	~
C6	47u	478-8644-1-ND	No	~
C7	22u	478-1682-1-ND	No	~
C8	1u	399-3118-1-ND	No	~
C9	0.047u	1276-6551-1-ND	No	~
C10	0.047u	1276-6551-1-ND	No	~
C11	30p	445-4902-1-ND	No	~
C12	30p	445-4902-1-ND	No	~
C13	30p	445-4902-1-ND	No	~
C14	30p	445-4902-1-ND	No	~
C15	AR	AR	No	~
C16	AR	AR	No	~
C17	AR	AR	No	~
D1	MBR0540	MBR0540CT-ND	No	https://www.onsemi.cn/pdf/datasheet/mbr0540-d.pdf
D2	MBR0540	MBR0540CT-ND	No	https://www.onsemi.cn/pdf/datasheet/mbr0540-d.pdf
D3	MBR0540	MBR0540CT-ND	No	https://www.onsemi.cn/pdf/datasheet/mbr0540-d.pdf
D4	MBR0540	MBR0540CT-ND	No	https://www.onsemi.cn/pdf/datasheet/mbr0540-d.pdf
D5	CDBU00340	641-1006-1-ND	No	https://www.comchiptech.com/admin/files/product/CDBU00340-HF-RevA796888.pdf
D6	CDBU00340	641-1006-1-ND	No	https://www.comchiptech.com/admin/files/product/CDBU00340-HF-RevA796888.pdf
D7	MBR0540	MBR0540CT-ND	No	https://www.onsemi.cn/pdf/datasheet/mbr0540-d.pdf
D8	CDBU00340	641-1006-1-ND	No	https://www.comchiptech.com/admin/files/product/CDBU00340-HF-RevA796888.pdf
H1	MountingHole		No	~
H2	MountingHole		No	~
H3	MountingHole		No	~
H4	MountingHole		No	~
J1	Conn_01x03	S9456-ND	No	https://s3.amazonaws.com/catalogspreads-pdf/PAGE132%202mm%20SWR201%20SINGLE%20ROW%20WAFER%20ST%20RA.pdf
J2	Conn_01x02	S9463-ND	No	https://www.jst-mfg.com/product/pdf/eng/ePH.pdf
J3	Conn_01x02	S9463-ND	No	https://www.jst-mfg.com/product/pdf/eng/ePH.pdf
J4	Conn_01x02	S9463-ND	No	https://www.jst-mfg.com/product/pdf/eng/ePH.pdf
J5	Conn_01x02	S9463-ND	No	https://www.jst-mfg.com/product/pdf/eng/ePH.pdf
JP1	Jumper		No	~
Q1	Q_NMOS_GSD	568-5818-1-ND	No	https://assets.nexperia.com/documents/data-sheet/2N7002P.pdf
Q2	Q_PMOS_GSD	DMG2307L-7DICT-ND	No	https://www.diodes.com/assets/Datasheets/DMG2307L.pdf

Q3	Q_PMOS_GSD	DMG2307L-7DICT-ND	No	https://www.diodes.com/assets/Datasheets/DMG2307L.pdf
Q4	Q_NMOS_GSD	568-5818-1-ND	No	https://assets.nexperia.com/documents/data-sheet/2N7002P.pdf
Q5	Q_NMOS_GSD	568-5818-1-ND	No	https://assets.nexperia.com/documents/data-sheet/2N7002P.pdf
Q6	Q_PMOS_GSD	DMG2307L-7DICT-ND	No	https://www.diodes.com/assets/Datasheets/DMG2307L.pdf
Q7	Q_PMOS_GSD	DMG2307L-7DICT-ND	No	https://www.diodes.com/assets/Datasheets/DMG2307L.pdf
Q8	Q_NMOS_GSD	568-5818-1-ND	No	https://assets.nexperia.com/documents/data-sheet/2N7002P.pdf
Q9	Q_NMOS_GSD	568-5818-1-ND	No	https://assets.nexperia.com/documents/data-sheet/2N7002P.pdf
R2	215k	P215KDBCT-ND	No	~
R3	100k	A121521CT-ND	No	~
R4	15k	RMCF0402FT15K0CT-ND	No	~
R5	7.5k	311-7.5KJRCT-ND	No	~
R6	215k	P215KDBCT-ND	No	~
R9	49.9k	311-49.9KLRCT-ND	No	~
R10	49.9k	311-49.9KLRCT-ND	No	~
R11	49.9k	311-49.9KLRCT-ND	No	~
R12	49.9k	311-49.9KLRCT-ND	No	~
R13	6.49k	311-6.49KHRCT-ND	No	~
R14	1M	311-1.00MLRCT-ND	No	~
R15	4.02	311-4.02HRCT-ND	No	~
R16	49.9k	311-49.9KLRCT-ND	No	~
R22	49.9k	311-49.9KLRCT-ND	No	~
R23	49.9k	311-49.9KLRCT-ND	No	~
R24	49.9k	311-49.9KLRCT-ND	No	~
R25	49.9k	311-49.9KLRCT-ND	No	~
R29	1M	311-1.00MLRCT-ND	No	~
R30	1M	311-1.00MLRCT-ND	No	~
R31	1M	311-1.00MLRCT-ND	No	~
R35	49.9k	311-49.9KLRCT-ND	No	~
R36	49.9k	311-49.9KLRCT-ND	No	~
R37	49.9k	311-49.9KLRCT-ND	No	~
U2	LT1308ACS8	LT1308ACS8	No	https://www.analog.com/media/en/technical-documentation/data-sheets/1308abfb.pdf
U3	LM339	296-6604-1-ND	No	https://www.st.com/resource/en/datasheet/lm139.pdf
U5	Quad_SRLatch	296-31496-1-ND	No	https://www.ti.com/general/docs/suppproductinfo.tsp?distId=10&gotoUrl=https%3A%2F%2Fwww.ti.com%2Flit%2Fgpn%2Fcd4043b
H	3 Conductor Wire	Fromt Dad	No	
H	Board Mount Screws	5/16" machined	No	
H	Sensor Mounting Spacers	4x4.2mm nylon spacers	No	
H	Sensor Bracket Screws	1/2" machined	No	
H	Washers	From personal pile	No	
L1	4.7uH	587-3639-1-ND	Yes	https://www.yuden.co.jp/productdata/catalog/wound04_hq_e.pdf
R1	10k	311-10KJRTR-ND	Yes	~
R7	10k	311-10KJRTR-ND	Yes	~
R8	10k	311-10KJRTR-ND	Yes	~

R17	10k	311-10KJRTR-ND	Yes	~
R19	10k	311-10KJRTR-ND	Yes	~
R26	10k	311-10KJRTR-ND	Yes	~
R27	10k	311-10KJRTR-ND	Yes	~
R28	10k	311-10KJRTR-ND	Yes	~
R32	10k	311-10KJRTR-ND	Yes	~
R33	10k	311-10KJRTR-ND	Yes	~
R34	10k	311-10KJRTR-ND	Yes	~
RV1	10k	CT94EY103-ND	Yes	https://www.nidec-copal-electronics.com/e/catalog/trimmer/ct-94.pdf
RV2	10k	CT94EY103-ND	Yes	https://www.nidec-copal-electronics.com/e/catalog/trimmer/ct-94.pdf
RV3	10k	CT94EY103-ND	Yes	https://www.nidec-copal-electronics.com/e/catalog/trimmer/ct-94.pdf
U1	NE555	296-52913-ND	Yes	http://www.ti.com/lit/ds/symlink/ne555.pdf
U4	NE555	296-52913-ND	Yes	http://www.ti.com/lit/ds/symlink/ne555.pdf
H	Sensor Grommet Bot	RPC6132-ND	Yes	
H	Sensor Grommet Top	RPC4086-ND	Yes	
H	Solar Cable Grommet	RPC4102-ND	Yes	
H	Threaded 1/4" standoff (x10)	36-4842-ND	Yes	
H	Box Bracket Screws (x4)	1" Machined	Yes	
H	Sensor Mounting Screws (x2)	1" Machined	Yes	