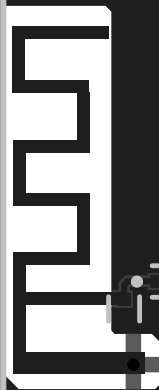
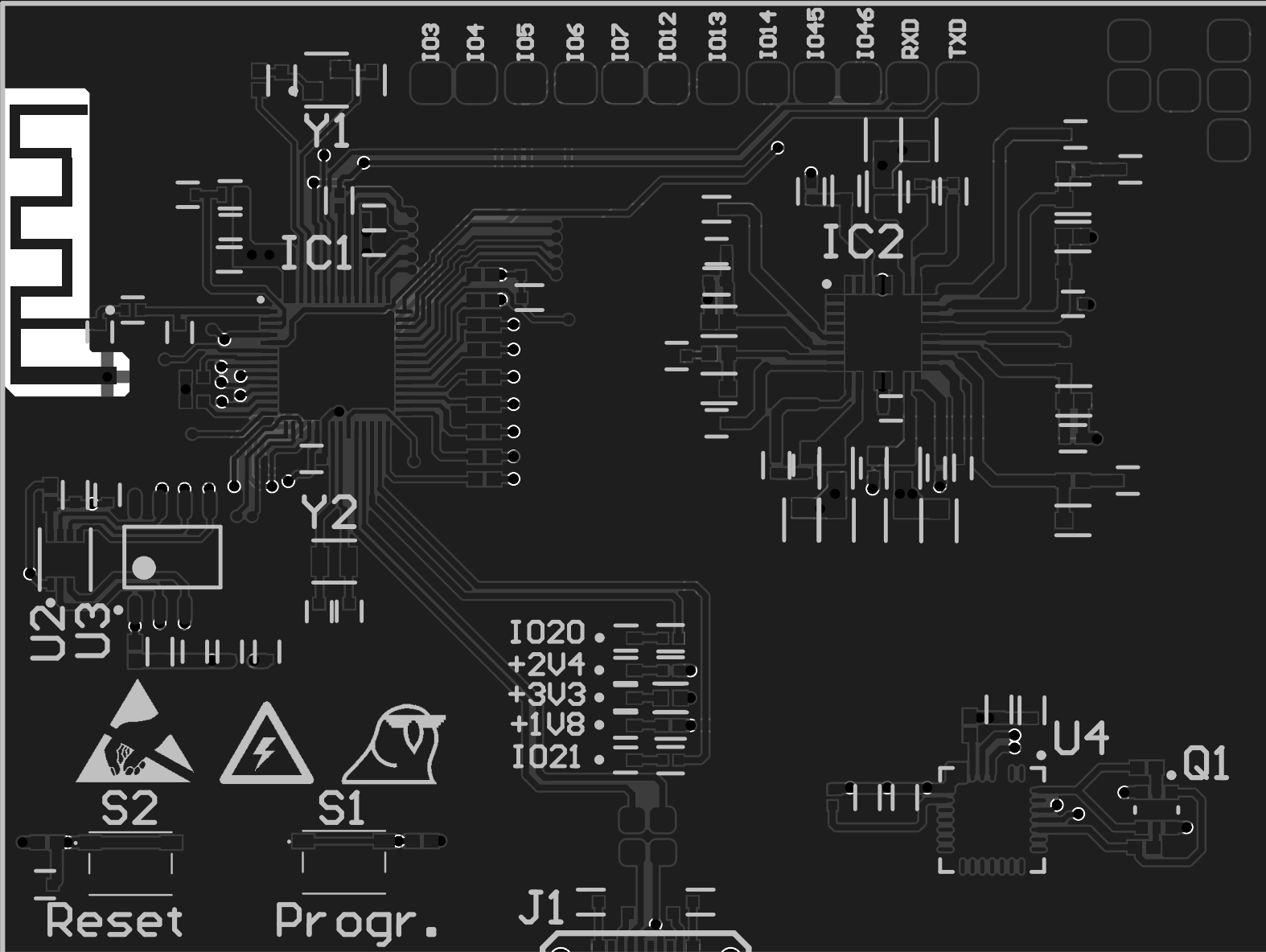


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Line #	Name	Description	Designator	Revision ID	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	C10050G1H080D050BA	Multilayer Ceramic Capacitors 8pF±0.5pF50V COG SMD 0402	C1, C10	OMP-08246-003745-1	Up to date	2	TDK	C10050G1H080D050BA	Not Recommended for New Design	Newark	91R0021	0,01	0,02
	00402C105K8PACTU	CAP CER 1UF 10V X5R 0402	C2, C8, C15, C16, C25, C38, C44, C49	OMP-2008-02081-2	Up to date	8	KEWET	C0402C105K8PACTU	Volume Production	Mouser	80-C0402C105K8P	0,034	0,34
	00402K4R7R8EB103	CAP CER 10000PF 50V X7R 0402	C3, C27, C28, C46	OMP-2100-03592-2	Up to date	4	Yageo	C0402K4R7R8EB103	Volume Production	Newark	40A6377	0,009	0,09
	GRM155R71C104KA88D	CAP CER 0.1UF 16V X7R 0402	C4, C11, C12, C13, C14, C18, C26, C42, C43	OMP-2100-03641-2	Up to date	9	Murata	GRM155R71C104KA88D	Not Recommended for New Design	Mouser	81-GRM155R71C104KA88	0,016	0,16
	00402C339CGACTU	Capacitor: ceramic; MLCG; 3.3pF; 50VDC; COG; ±0.25pF; SMD; 0402	C5, C6	OMP-2008-03312-2	Up to date	2	KEWET	C0402C339CGACTU	Volume Production	Newark	74C1098	0,009	0,018
	00402C479CGACTU	CAP CER 4.7PF 50V NPO 0402	C7, C17	OMP-2008-03310-2	Up to date	2	KEWET	C0402C479CGACTU	Volume Production	Newark	74R1768	0,009	0,018
	CL05A106MPSNUNC	CAP CER 10UF 10V X5R 0402	C3, C37, C38	OMP-13271-000002-1	Up to date	3	Samsung	CL05A106MPSNUNC	Volume Production	Mouser	187-CL05A106MPSNUNC	0,15	0,45
	04025A220JAT2A	General Purpose Ceramic Capacitor, 0402, 22pF, 5%, COG, 30ppm/°C, 50V	C19, C20, C29, C30, C47, C50	OMP-2008-02613-2	Up to date	6	Kyocera AVX	04025A220JAT2A	Volume Production	Mouser	581-04025A220J	0,016	0,16
	00402C225M9PACTU	CAP CER 2.2UF 6.3V X5R 0402	C22	OMP-2008-02064-3	Up to date	1	KEWET	C0402C225M9PACTU	Volume Production	Mouser	80-C0402C225M9P	0,16	0,16
	00402K4R7R8EB332	CAP CER 3300PF 50V X7R 0402	C23, C24, C48	OMP-1034-01779-2	Up to date	3	Yageo	C0402K4R7R8EB332	Volume Production	Newark	68R4668	0,003	0,009
	GRM155R71E473KA88D	Chip Multilayer Ceramic Capacitors for General Purpose, 0402, 47000pF, X7R, 15%, 10%, 25V	C31, C32, C45	OMP-2008-04630-5	Up to date	3	Murata	GRM155R71E473KA88D	Volume Production	Mouser	81-GRM155R71E473KA88	0,013	0,13
	GRM188R61A226ME15D	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 22uF, X5R, 15%, 20%, 10V	C33, C34, C36, C36, C40, C41	OMP-2000-06337-3	Up to date	6	Murata	GRM188R61A226ME15D	Volume Production	Mouser	81-GRM188R61A226ME15D	0,087	0,87
	APHHS1005CG3CK	LED GREEN CLEAR CHIP SMD	D1, D2, D3, D4, D5	OMP-44529-000044-1	Up to date	5	Kingbright	APHHS1005CG3CK	Volume Production	Mouser	604-APHHS1005CG3CK	0,38	1,9
	ESP32-S3FN8	Integrated Circuit	IC1			1							
	TPS55261R-BR	Integrated Circuit	IC2			1							
	TYPEC-31-M-12	USB Type C Connector Horizontal SMT	J1			1							
	LQG15H-NS6S32D	Multilayer type RF Inductor 5.6nH±0.3nH 0.18Q 600mA 0402	L1	OMP-06042-000284-1	Up to date	1	Murata	LQG15H-NS6S32D	Volume Production	Digkey	480-1081-1-ND	0,1	0,1
	LQM15AN2N7C00D	Wire Wound RF Inductor 2.7nH±0.2nH 850mA 0.05Q 0402 (1005)	L2	OMP-06042-001756-1	Up to date	1	Murata	LQM15AN2N7C00D	Volume Production	Digkey	480-6800-1-ND	0,15	0,15
	LQM18FN4R7M00D	FIXED IND 4.7UH 80MA 600 MOHM	L3, L4, L5	OMP-06042-016387-1	Up to date	3	Murata	LQM18FN4R7M00D	Volume Production	Mouser	81-LQM18FN4R7M00D	0,17	0,51
	2N7002BKS115	MOSFET 2N-CH 60V 0.3A 6TSSOP	Q1	OMP-14409-000014-1	Up to date	1	Nexperia	2N7002BKS115	Volume Production	Mouser	771-2N7002BKS115	0,33	0,33
	RD0402FR-07100KL		R1, R26	OMP-2002-07343-1	Up to date	2	Yageo	RD0402FR-07100KL	Volume Production	Mouser	603-RD0402FR-07100KL	0,009	0,09
	ERJ-2RK4F22R0X	Chip Resistor, 22 Ohm, +/- 1%, 0.1 W, -55 to 155 degC, 0402 (1005 Metric), RoHS Tape and Reel	R2	OMP-2002-01135-4	Up to date	1	Panasonic	ERJ-2RK4F22R0X	Volume Production	Newark	64RS266	0,004	0,004
	CRCW0402499RFXED	RES Thick Film, 499Q, 1%, 0.063W, 100ppm/°C, 0402	R3	OMP-2002-00037-2	Up to date	1	Vishay	CRCW0402499RFXED	Volume Production	Newark	52K7117	0,005	0,005
	RD0402JR-070RL		R4, R5, R6, R8, R9, R10, R11, R12, R13, R28	OMP-1011-00001-2	Up to date	10	Bourns	RD0402-J-000QLF	Volume Production	Mouser	652-CR0402-J-000QLF	0,002	0,02
	ERJ-2RK4F423X		R7	OMP-2002-00943-1	Up to date	1	Panasonic	ERJ-2RK4F423X	Volume Production	Avnet	30V3049	0,003	0,003
	RD0402FR-0710KL		R14, R15, R16, R37, R38	OMP-2002-07353-1	Up to date	5	Yageo	RD0402FR-0710KL	Volume Production				
	RD0402FR-076K49L		R17	OMP-2002-07781-1	Up to date	1	Yageo	RD0402FR-076K49L	Volume Production	Newark	49AK1565	0,002	0,002
	ERJ-2RK4F701X	Chip Resistor, 4.7K Ohm, +/- 1%, 0.1 W, -55 to 155 degC, 0402 (1005 Metric), RoHS Tape and Reel	R18	OMP-2002-01154-4	Up to date	1	Panasonic	ERJ-2RK4F701X	Volume Production	Newark	85Y8344	0,006	0,006
	ERJ-2RK4F3002X	RES SMD 30K OHM 1% 1/10W 0402	R19, R20, R35	OMP-2002-01142-2	Up to date	3	Panasonic	ERJ-2RK4F3002X	Volume Production	Mouser	667-ERJ-2RK4F3002X	0,015	0,15
	ERJ-2RK4F7322X		R21	OMP-2002-01054-1	Up to date	1	Panasonic	ERJ-2RK4F7322X	Volume Production	Newark	53W4462	0,006	0,006
	AC0402JR-0750RL	RES 50Q ±5% 0.063W 0402	R22	OMP-2002-01779-2	Up to date	1	Yageo	AC0402JR-0750RL	Volume Production	Newark	49AK0477	0,001	0,001
	CRCW0402150RFXED	RES Thick Film, 150Q, 1%, 0.063W, 100ppm/°C, 0402	R23	OMP-2002-08214-2	Up to date	1	Vishay	CRCW0402150RFXED	Volume Production	Newark	52K6721	0,005	0,005
	CRCW040220R0FXED	RES Thick Film, 20Q, 1%, 0.063W, 100ppm/°C, 0402	R24, R39, R40	OMP-2002-08369-2	Up to date	3	Vishay	CRCW040220R0FXED	Volume Production	Newark	52K6821	0,005	0,015
	RD0402FR-0720KL		R25	OMP-2002-07501-1	Out of date	1	Yageo	RD0402FR-0720KL	Volume Production	Newark	82AH7900	0,009	0,09
	RD0402FR-0730KL		R27, R34	OMP-2002-07602-1	Up to date	2	Yageo	RD0402FR-0730KL	Volume Production	Newark	59M5008	0,009	0,09
	CRCW0402000203ED	RES Thick Film, 0Q, 0.063W, 0402	R29, R30, R32	OMP-2002-08122-2	Up to date	3	Vishay	CRCW0402000203ED	Volume Production	Newark	61M5260	0,009	0,027
	CRCW0402147RFXED	RES Thick Film, 147kQ, 1%, 0.063W, 100ppm/°C, 0402	R31	OMP-2002-08205-3	Up to date	1	Vishay	CRCW0402147RFXED	Volume Production	Digkey	541-147KLCF-ND	0,1	0,1
	CRCW040220K0FXED	RES Thick Film, 20kQ, 1%, 0.063W, 100ppm/°C, 0402	R33	OMP-2002-08356-2	Up to date	1	Vishay	CRCW040220K0FXED	Volume Production	Newark	61M5287	0,01	0,01
	ERJ-2RK4F1502X	RES SMD 15K OHM 1% 1/10W 0402	R36	OMP-2002-00694-4	Up to date	1	Panasonic	ERJ-2RK4F1502X	Volume Production	Newark	64RS259	0,006	0,006
	OPF0402BK1E1		R41, R42, R43, R44	OMP-2002-03342-1	Up to date	4	TE Connectivity	OPF0402BK1E1	Volume Production	Digkey	A102921CT-ND	0,3	1,2
	SKFPANED10	Switch	S1, S2			2							
	W25Q16JMUJXQ	IC FLASH 16MBIT SPI/QUAD 8USON	U2	OMP-78876-000011-1	Up to date	1	Winbond	W25Q16JMUJXQ	Volume Production				
	LY68L6400JUT		U3	OMP-00005-1	Up to date	1							
	CP2102-GM	Single-Chip USB to UART Bridge, 1024 Bytes EEPROM, -40 to 85 degC, 28-pin QFN, Tube	U4	OMP-0511-00012-1	Up to date	1	Silicon Labs	CP2102-GM	Not Recommended for New Design	Newark	30K5635	6,32	6,32
	ABM11AIG-40.000MHZ-4Z-T3	Oxystal 40MHz ±30ppm 10pF SMD 4.2mm x 1.6mm Automotive	Y1	OMP-27762-004352-1	Up to date	1	Abracon	ABM11AIG-40.000MHZ-4Z-T3	Volume Production	Arrow Electronics	ABM11AIG-40.000MHZ-4Z-T3	0,7772	0,7772
	ABS06-32-768KHZ-9-T	Oxystal 32.768kHz ±20ppm (Tot) 9pF FLUID 90KQ 2-Pin Mini-CMSD T/R	Y2	OMP-27762-015421-1	Up to date	1	Abracon	ABS06-32-768KHZ-9-T	Volume Production	Mouser	815-ABS06-32-7KHZ9-T	0,75	0,75