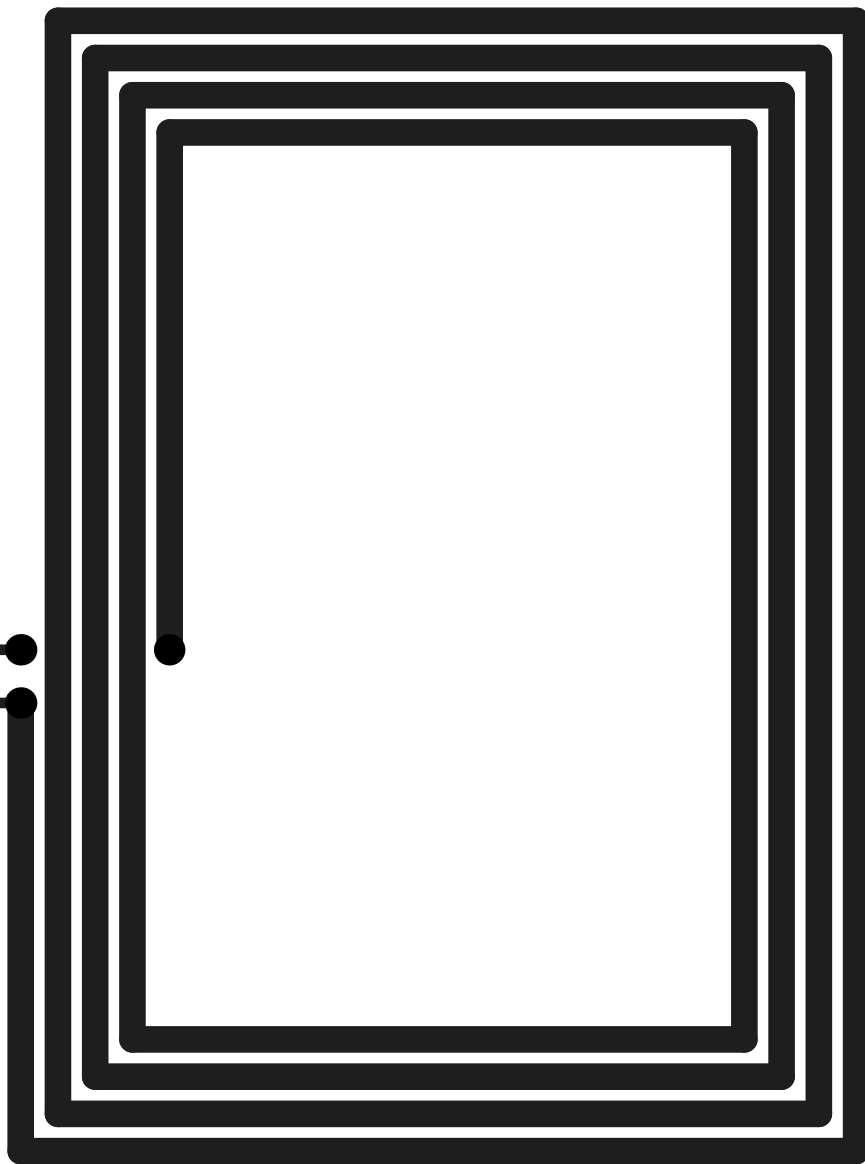
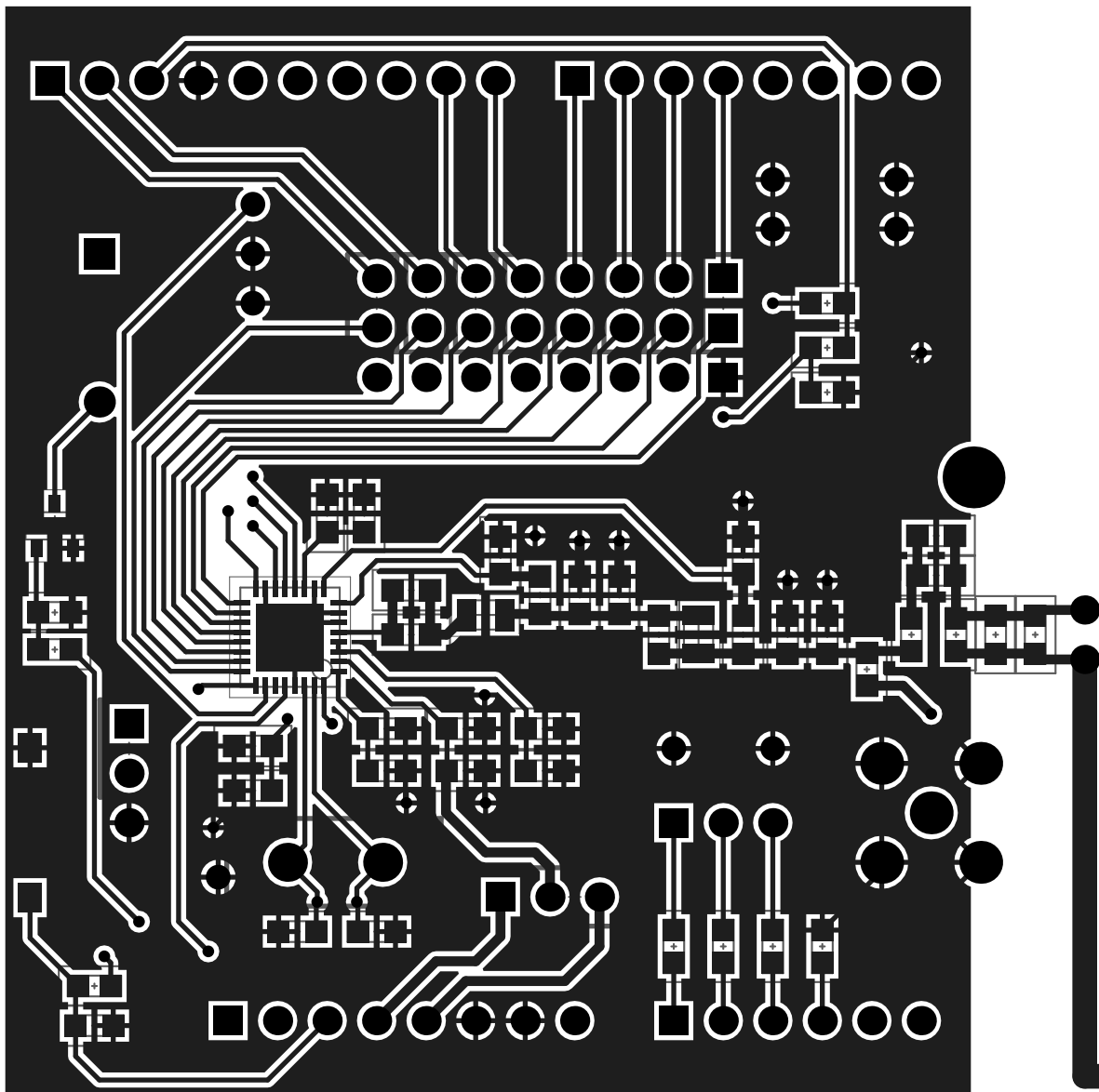
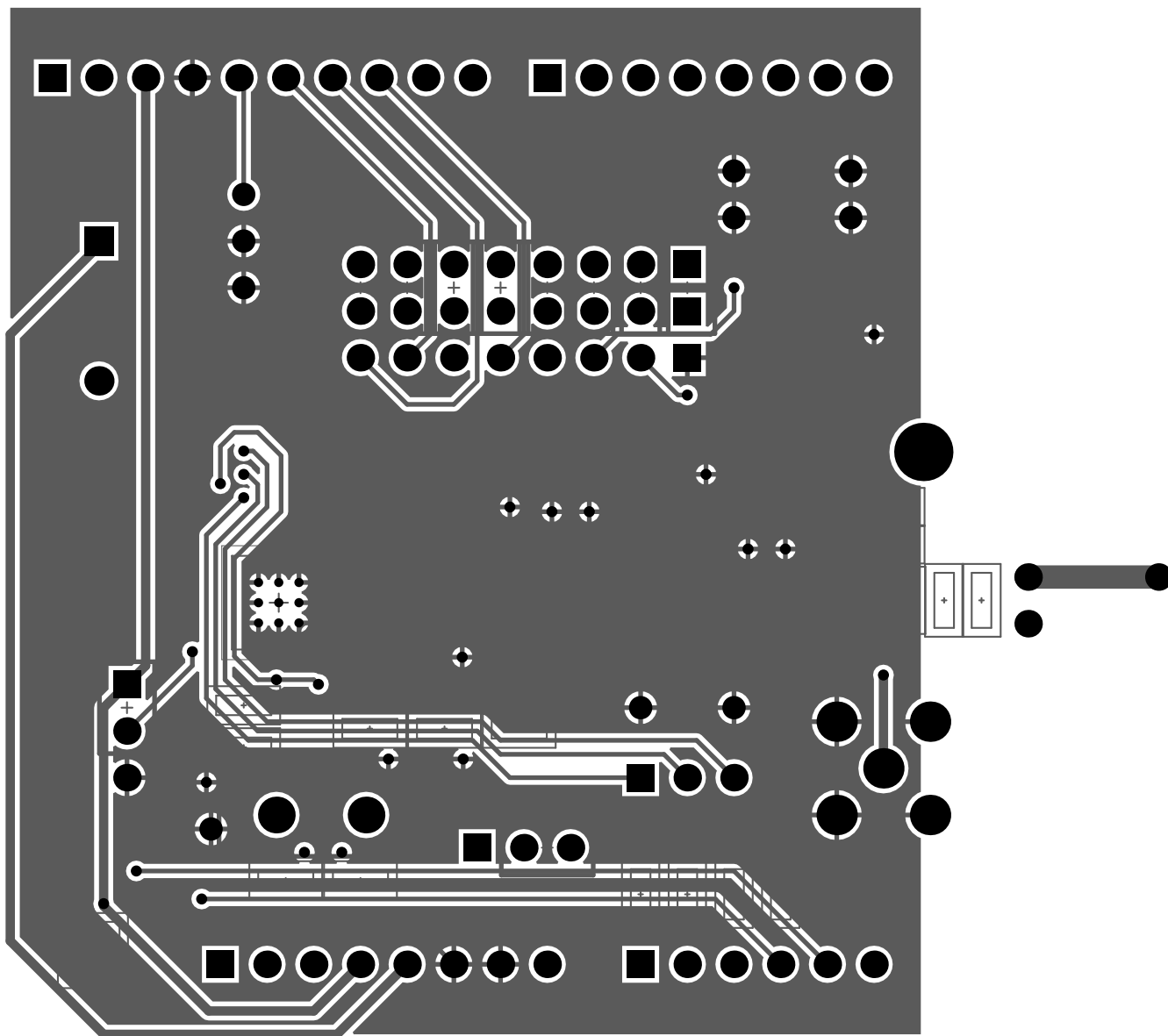
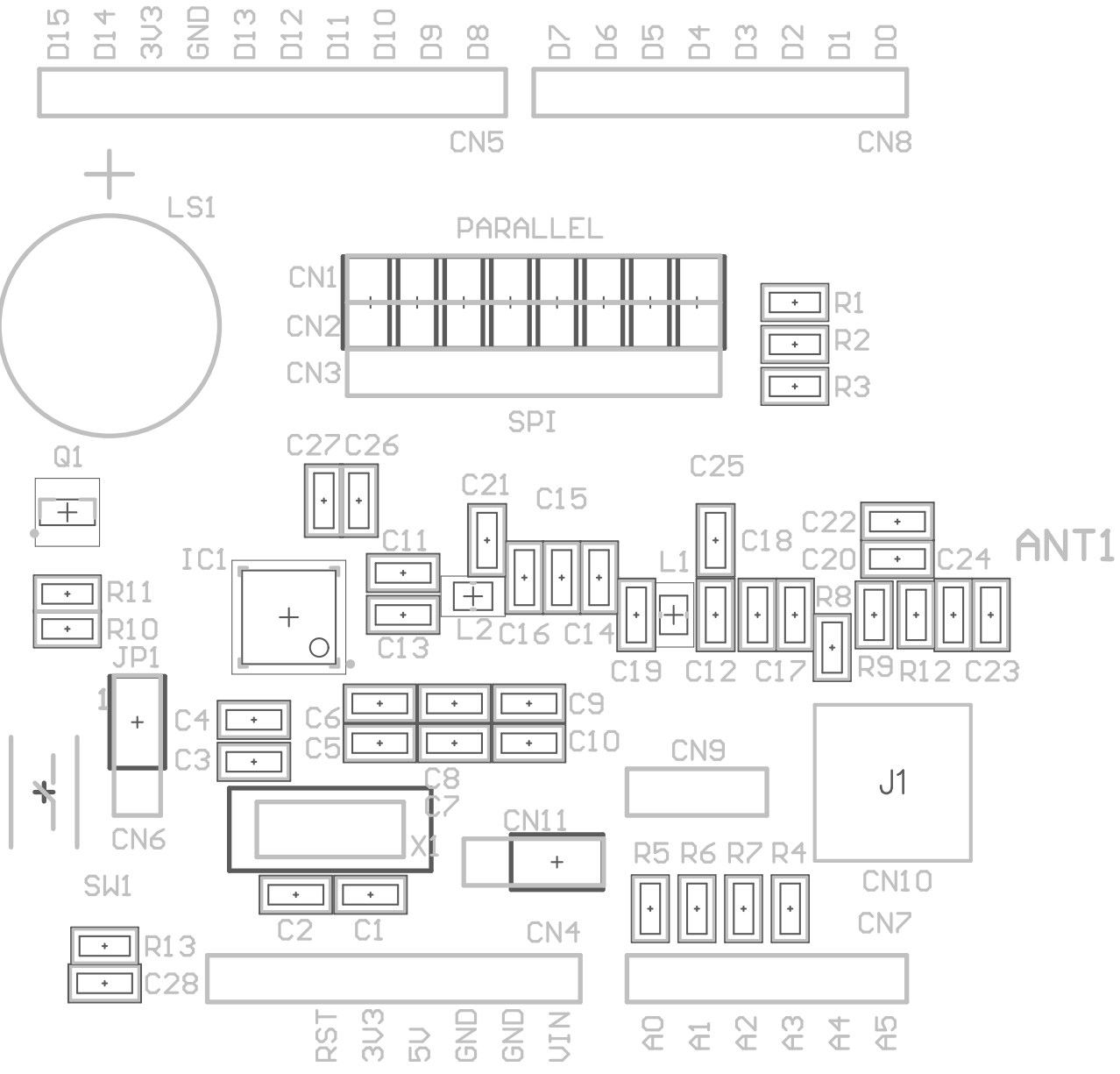


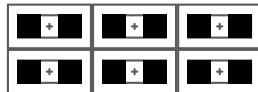
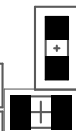
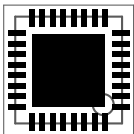
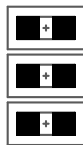
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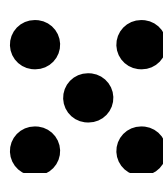
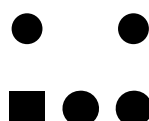
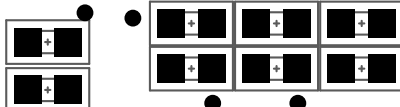
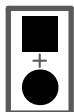
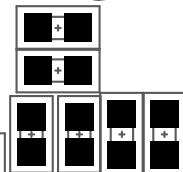
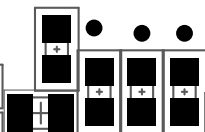
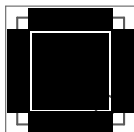
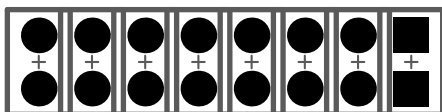


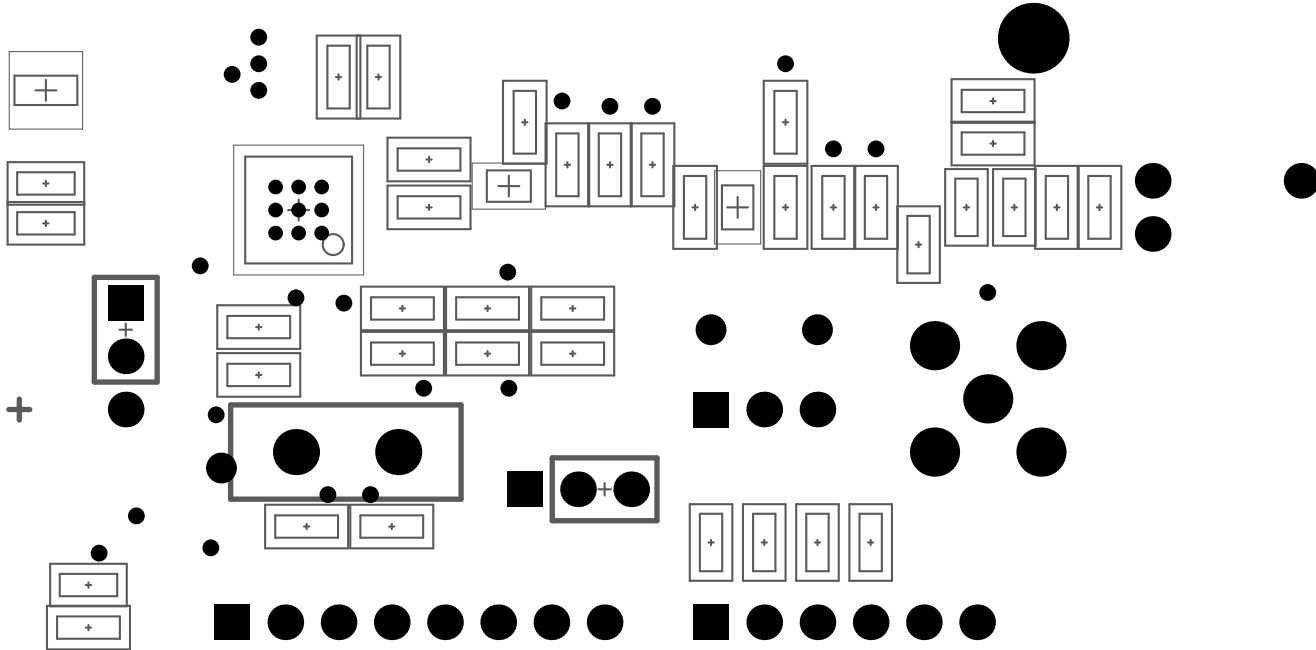
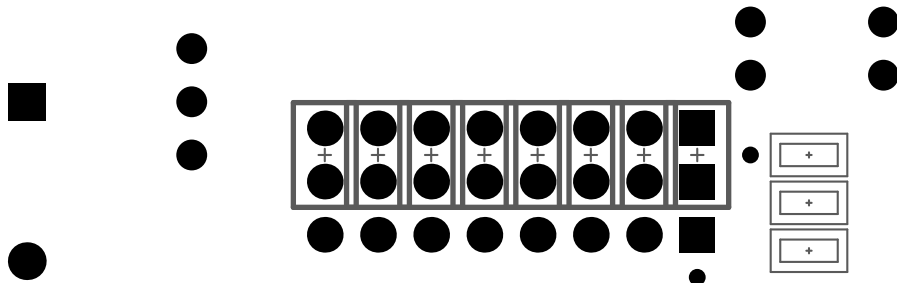


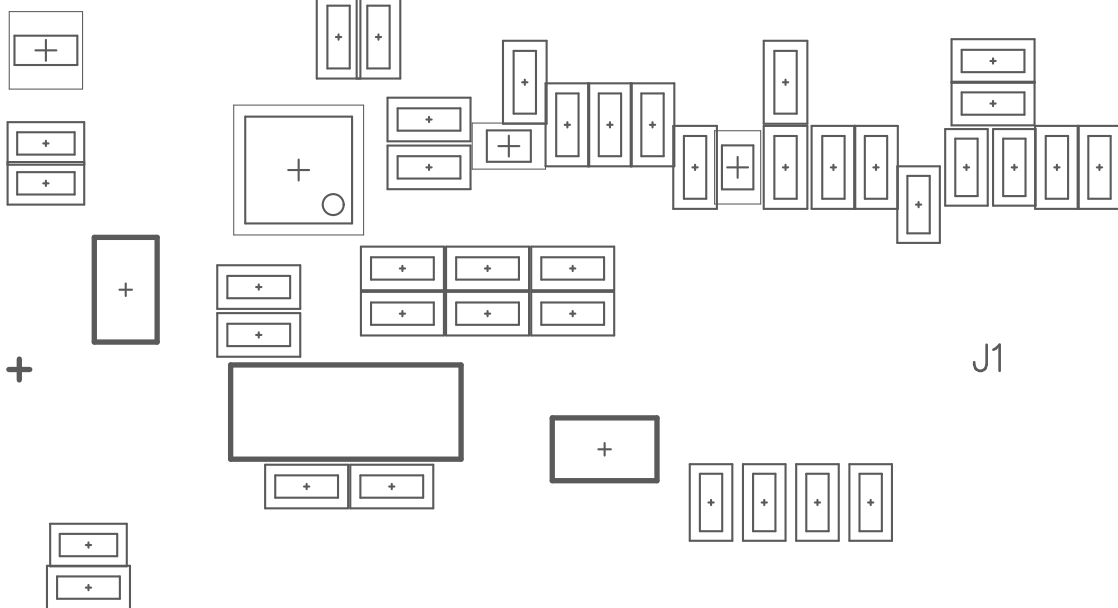
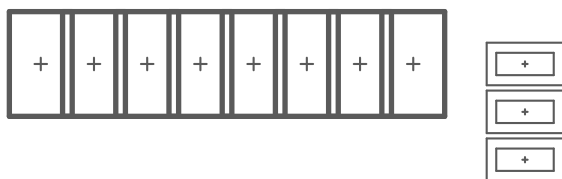
AD
TRF7960A Shield
Rev 1.0



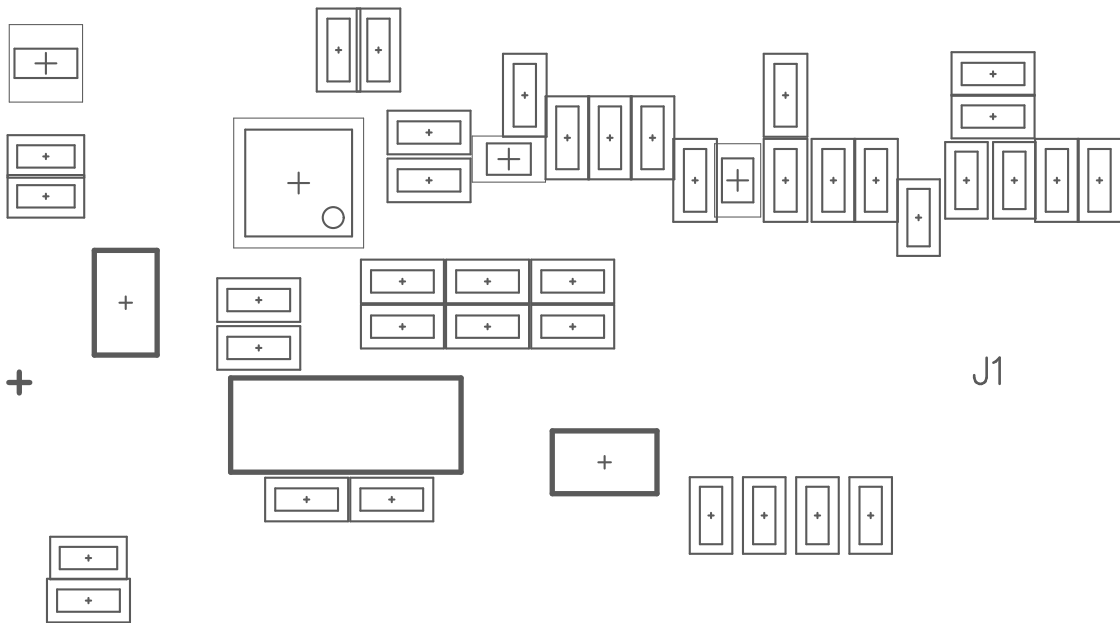
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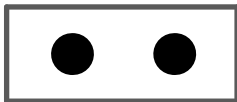
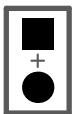
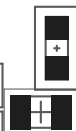
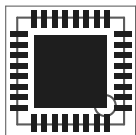
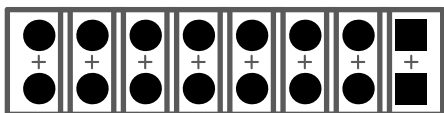


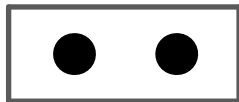
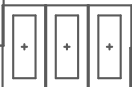
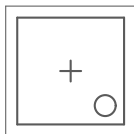
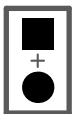
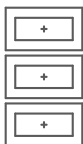
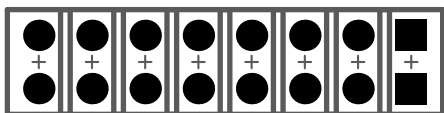




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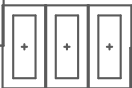
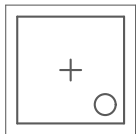






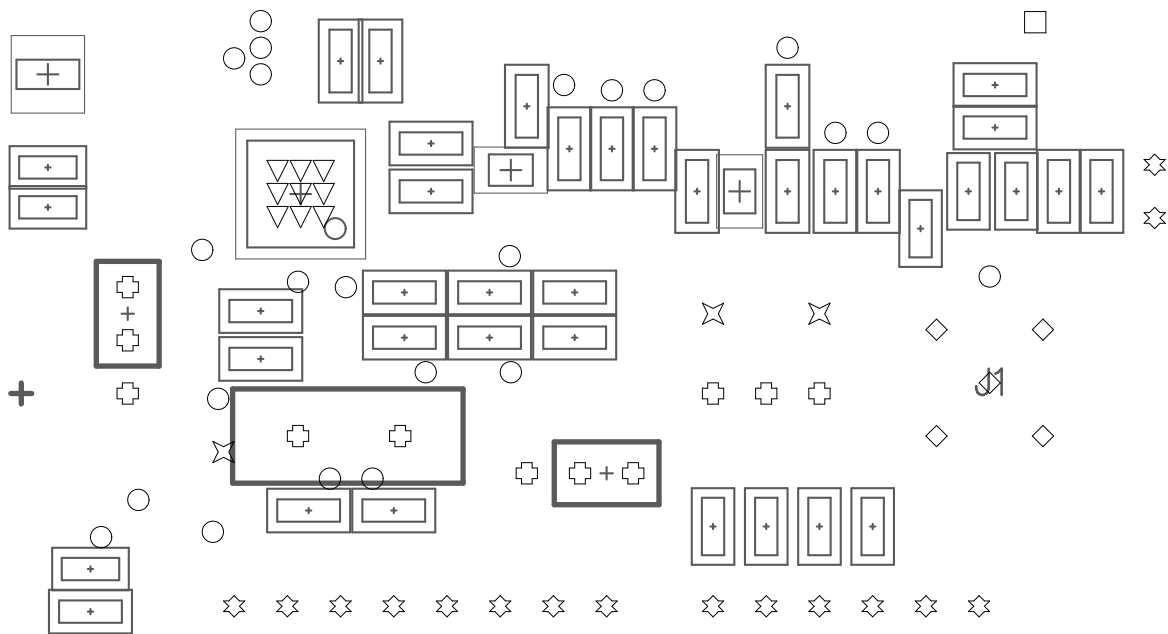
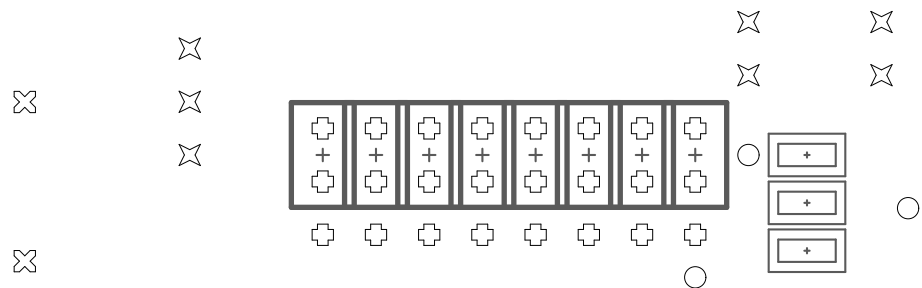


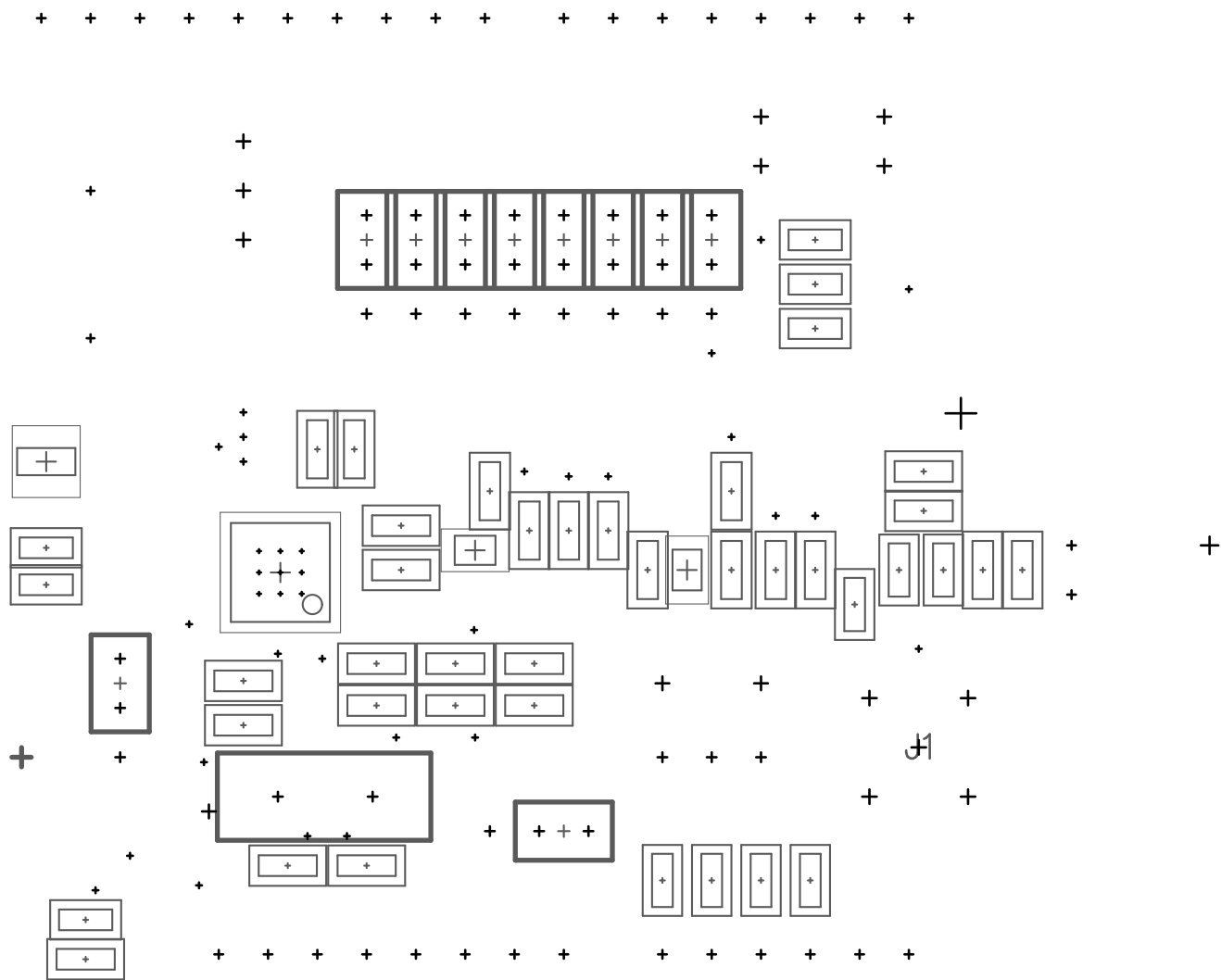
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Designator	Description	Cost x1 (\$)	Cost x10 (\$)	Cost x100 (\$)	Cost x1000 (\$)	Manufacturer	Manufacturer Part Number	Quantity
ANT1	ANTENNA LOOP							1
C1, C2	CAP CER 12PF 50V NP0 0603	0.10000	0.04100	0.01870	0.01020	Murata Electronics North America	GRM1885C1H120JA01D	2
C3, C5, C7, C9, C26	CAP CER 2.2UF 6.3V X5R 0603	0.13000	0.08800	0.04180	0.02420	Murata Electronics North America	GRM188R60J225KE19D	5
C4, C6, C8, C10, C27	CAP CER 10000PF 50V X7R 0603	0.10000	0.01900	0.00850	0.00465	Murata Electronics North America	GRM188R71H103KA01D	5
C11, C13	CAP CER 1500PF 50V X7R 0603	0.10000	0.03500	0.01600	0.00873	Murata Electronics North America	GRM188R71H152KA01D	2
C12	CAP CER 220PF 50V NP0 0603	0.10000	0.04100	0.01870	0.01020	Murata Electronics North America	GRM1885C1H221JA01D	1
C14, C24								2
C15, C25	CAP CER 680PF 50V NP0 0603	0.10000	0.06600	0.03040	0.01659	Murata Electronics North America	GRM1885C1H681JA01D	2
C16, C21	CAP CER 1200PF 50V X7R 0603	0.10000	0.05600	0.02590	0.01410	Murata Electronics North America	GRM188R71H122KA01D	2
C17	CAP CER 27PF 50V NP0 0603	0.10000	0.04100	0.01870	0.01020	Murata Electronics North America	GRM1885C1H270JA01D	1
C18	CAP CER 100PF 50V NP0 0603	0.10000	0.03100	0.01400	0.00765	Murata Electronics North America	GRM1885C1H101JA01D	1
C19, C22	CAP CER 10PF 50V NP0 0603	0.10000	0.04200	0.01930	0.01050	Murata Electronics North America	GCM1885C1H100JA16D	2
C20	CAP CER 47PF 50V NP0 0603	0.10000	0.02900	0.01320	0.00720	Murata Electronics North America	GRM1885C1H470JA01D	1
C23	CAP CER 56PF 50V NP0 0603	0.10000	0.04100	0.01870	0.01020	Murata Electronics North America	GRM1885C1H560JA01D	1
C28	CAP CER 0.1UF 16V X7R 0603	0.10000	0.01900	0.00860	0.00468	Murata Electronics North America	GRM188R71C104KA01D	1
CN1, CN2, CN3	CONN HEADER 8POS .100 VERT TIN	0.23000	0.20400	0.16800	0.11400	Harwin Inc.	M20-9990846	3
CN4, CN8	CONN ARDUINO HEADER .0100" 8POS	0.50	0.50	0.48	0.45	Sparkfun	PRT-09279	2
CN5	CONN ARDUINO HEADER .0100" 10POS	0.50	0.50	0.48	0.45	Sparkfun	PRT-11376	1
CN6, CN9, CN11	CONN HEADER MALE 3PS .1" DL TIN	0.13000	0.10600	0.06700	0.06100	Würth Electronics Inc	61300311121	3
CN7	CONN ARDUINO HEADER .0100" 6POS	0.50	0.50	0.48	0.45	Sparkfun	PRT-09280	1
CN10	CONN SMA JACK STR 50 OHM PCB	4.68000	4.16500	3.06000	2.12500	Emerson Network Power Connectivity Johnson	142-0701-201	1
H3	Holes							1
IC1	IC RFID AFE 13.56MHZ 32QFN	7.40000	6.67000	5.51000	4.20500	Texas Instruments	TRF7960ARHBT	1
JP1, JP2, JP3, JP4, JP5, JP6, JP7, JP8, JP9, JP10	SHUNT JUMPER .1" BLACK GOLD	0.10000	0.09400	0.05800	0.04200	3M	969102-0000-DA	10
L1	FIXED IND 330NH 300MA 1.28 OHM	0.40000	0.36000	0.26000	0.18400	Pulse Electronics Corporation	PE-0805CM331JTT	1
L2	FIXED IND 150NH 400MA 670 MOHM	0.28000	0.25600	0.18460	0.13064	Bourns Inc.	CW201212-R15J	1
LS1	AUDIO MAGNETIC INDICATOR 4-7V TH	2.51000	2.08200	1.54200	1.11795	CUI Inc.	CEM-1205C	1
Q1	TRANS NPN 45V 0.5A SOT23	0.14000	0.12700	0.06930	0.02905	NXP Semiconductors	BC817-40,215	1
R1, R2, R4, R10, R13	RES SMD 10K OHM 1% 1/10W 0603	0.10000	0.01400	0.00570	0.00257	Yageo	RC0603FR-0710KL	5
R3, R8, R9	RES SMD 0.0 OHM JUMPER 1/8W 0603							3
R5, R6, R7, R12	RES SMD 1K OHM 1% 1/10W 0603	0.10000	0.01400	0.00570	0.00257	Yageo	RC0603FR-071KL	4
R11	RES SMD 47K OHM 1% 1/10W 0603	0.10000	0.01400	0.00570	0.00257	Yageo	RC0603FR-0747KL	1
SW1	SWITCH TACTILE SPST-NO 0.05A 12V	0.76000	0.72900	0.55000	0.39875	C&K Components	RS-282G05A3-SM RT	1
X1	CRYSTAL 13.5600MHZ 12PF T/H	0.36000	0.30000	0.24000	0.19200	TXC CORPORATION	9B-13.560MAAE-B	1