

Table 14. Connection scheme for detecting the different interface types

Pin	Pin Symbol	UART	SPI	PC	PC-L
28	IF0	RX	MOSI	ADR1	ADR1
29	IF1	-	SCK	SCL	SCL
30	IF2	TX	MISO	ADR2	SDA
31	IF3	1	NSS	SDA	ADR2
26	IFSEL0	0	0	1	1
27	IFSEL1	0	1	0	1

Title		
Size	Number	Revision
A3		
Date:	10/16/2015	Sheet of
File:	N:\School Work\...\CLRC663Design.Sch	
Drawn By:		

P4



R1



R2



R3

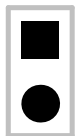


R4

R5

R6

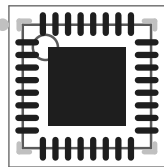
P3



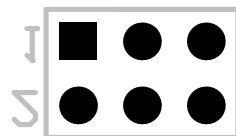
C10

C11

C12



P1



J1



R7

R9



C21

C20

C19

C18

C17

C16

C15

C14

C13

C12

C11

C10

C9

C8

C7

C6

C5

C4

C3

C2

C1

C0

C-1

C-2

C-3

C-4

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C-231

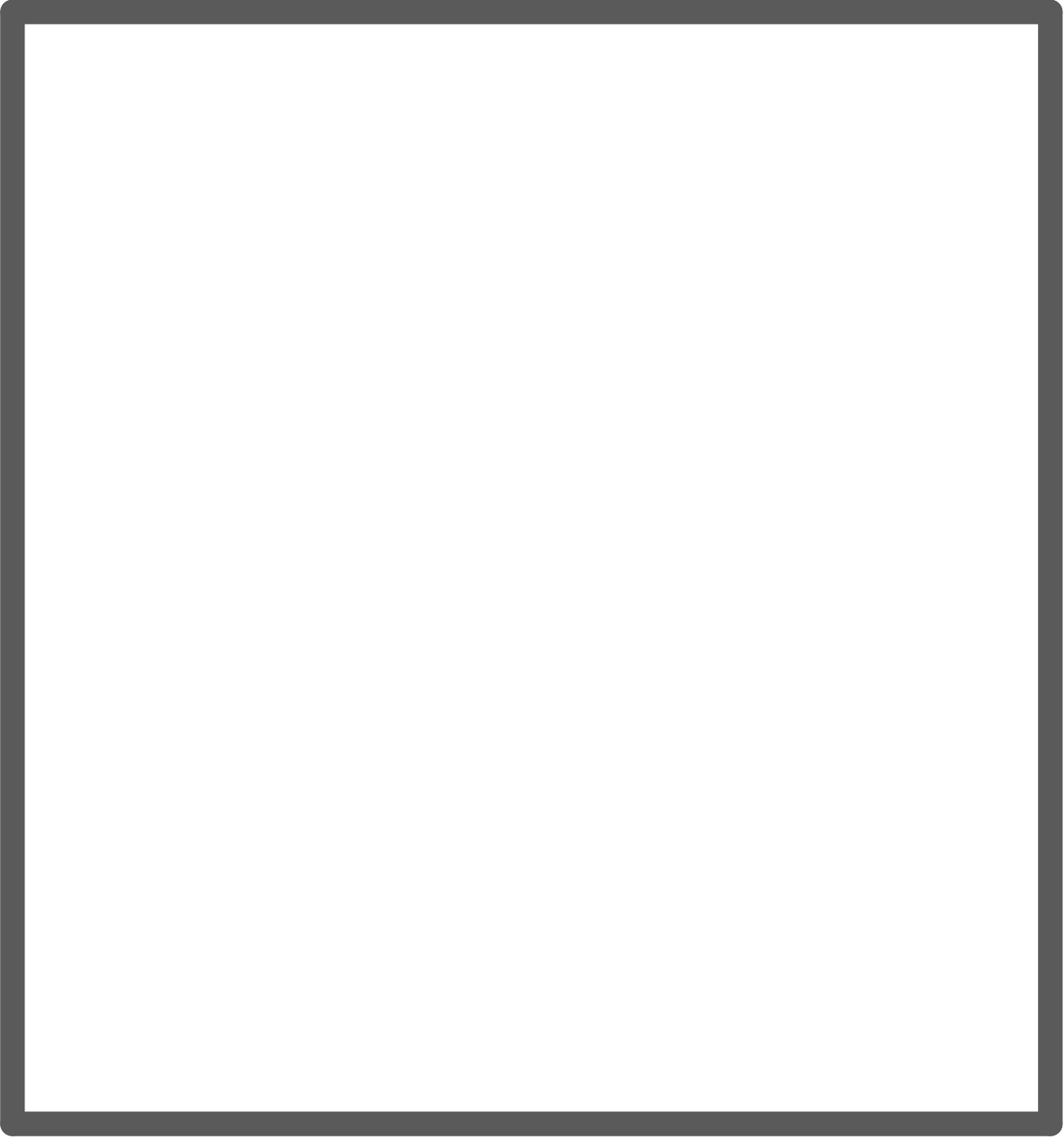
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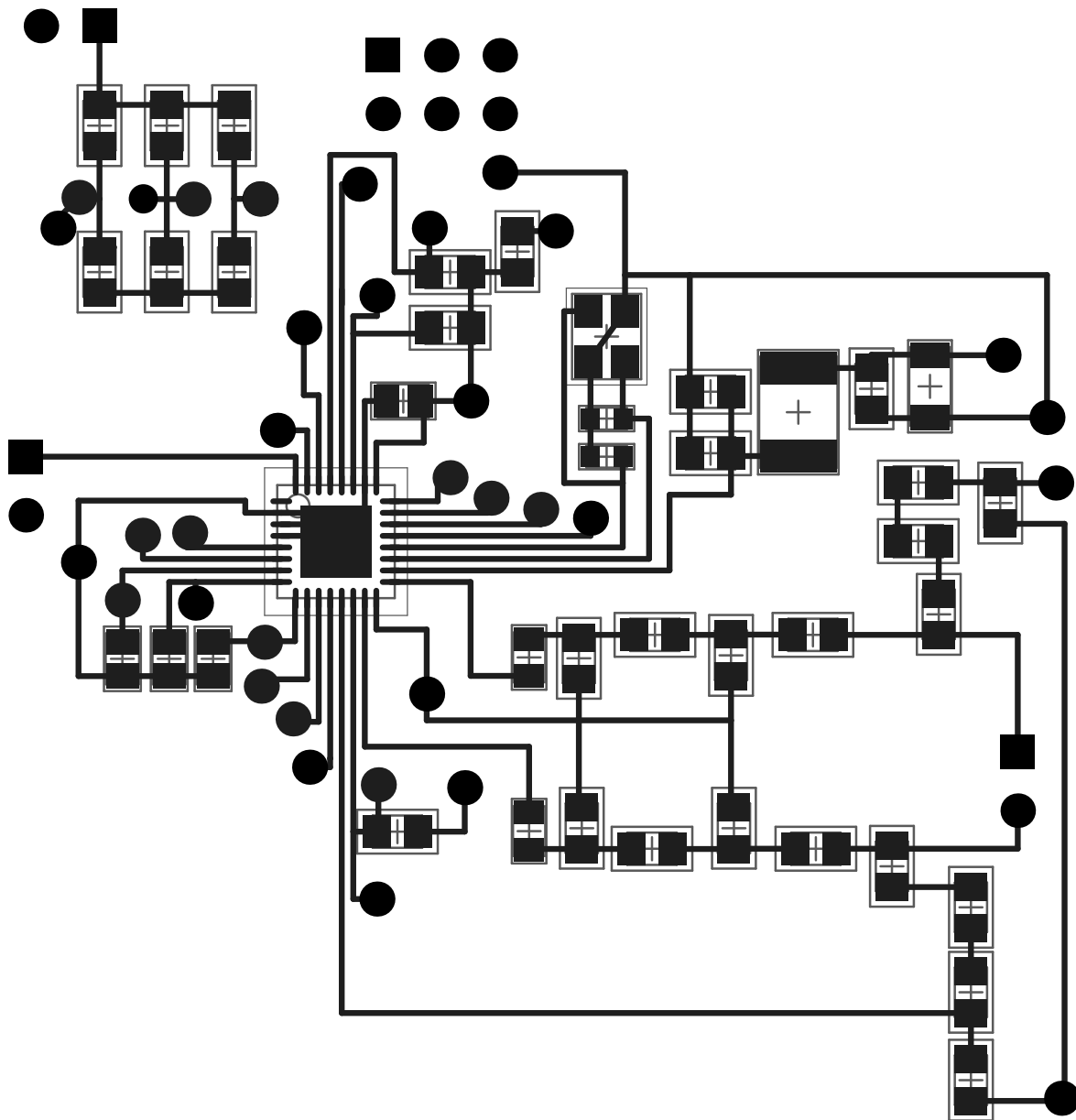
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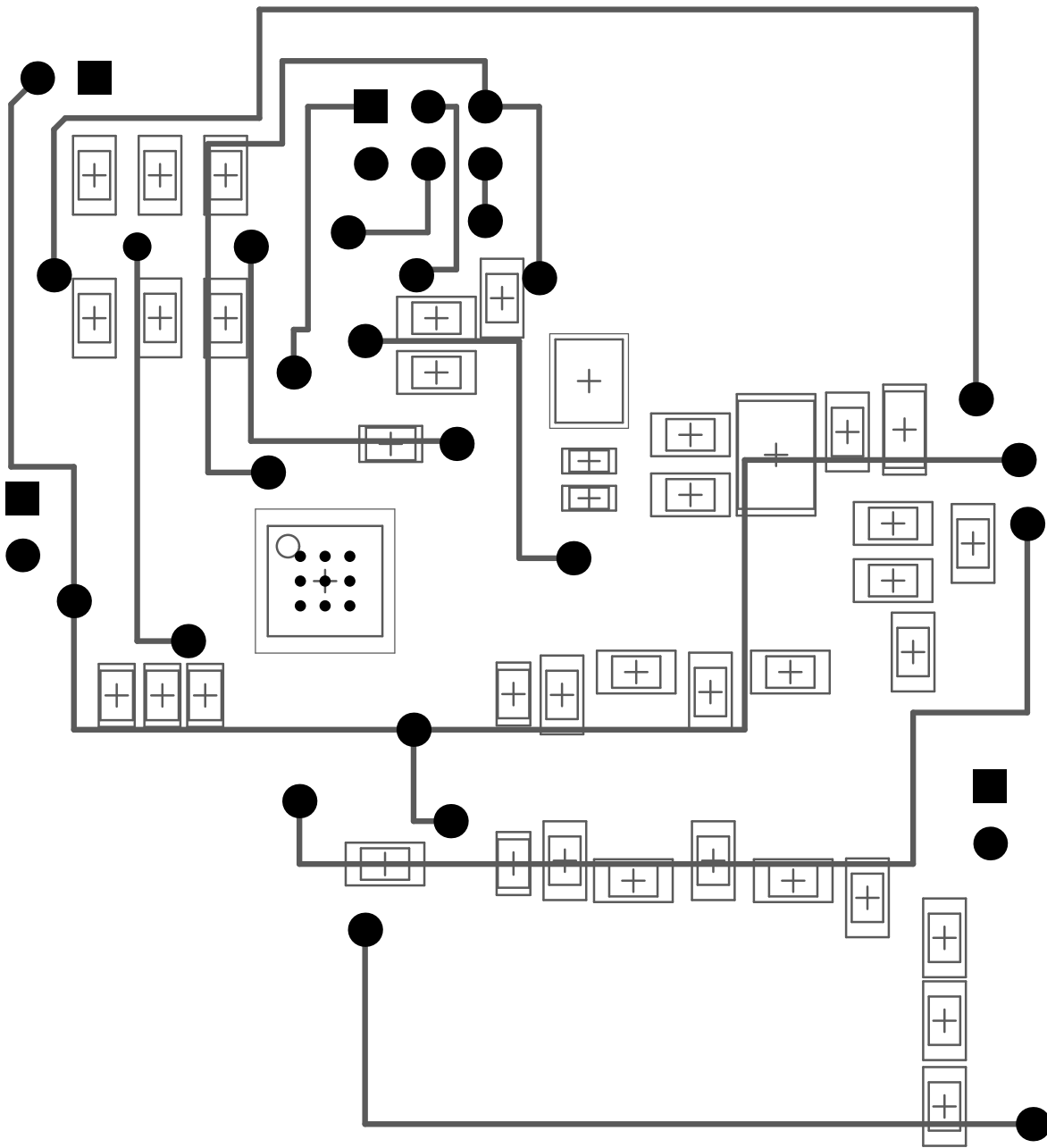
C-234

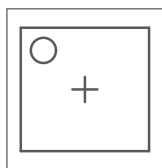
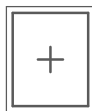
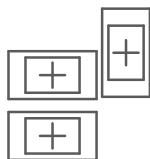
C-235

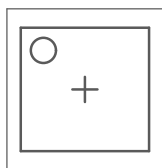
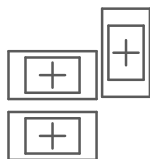
C-236

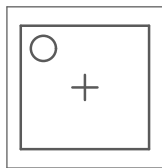
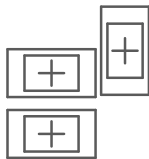


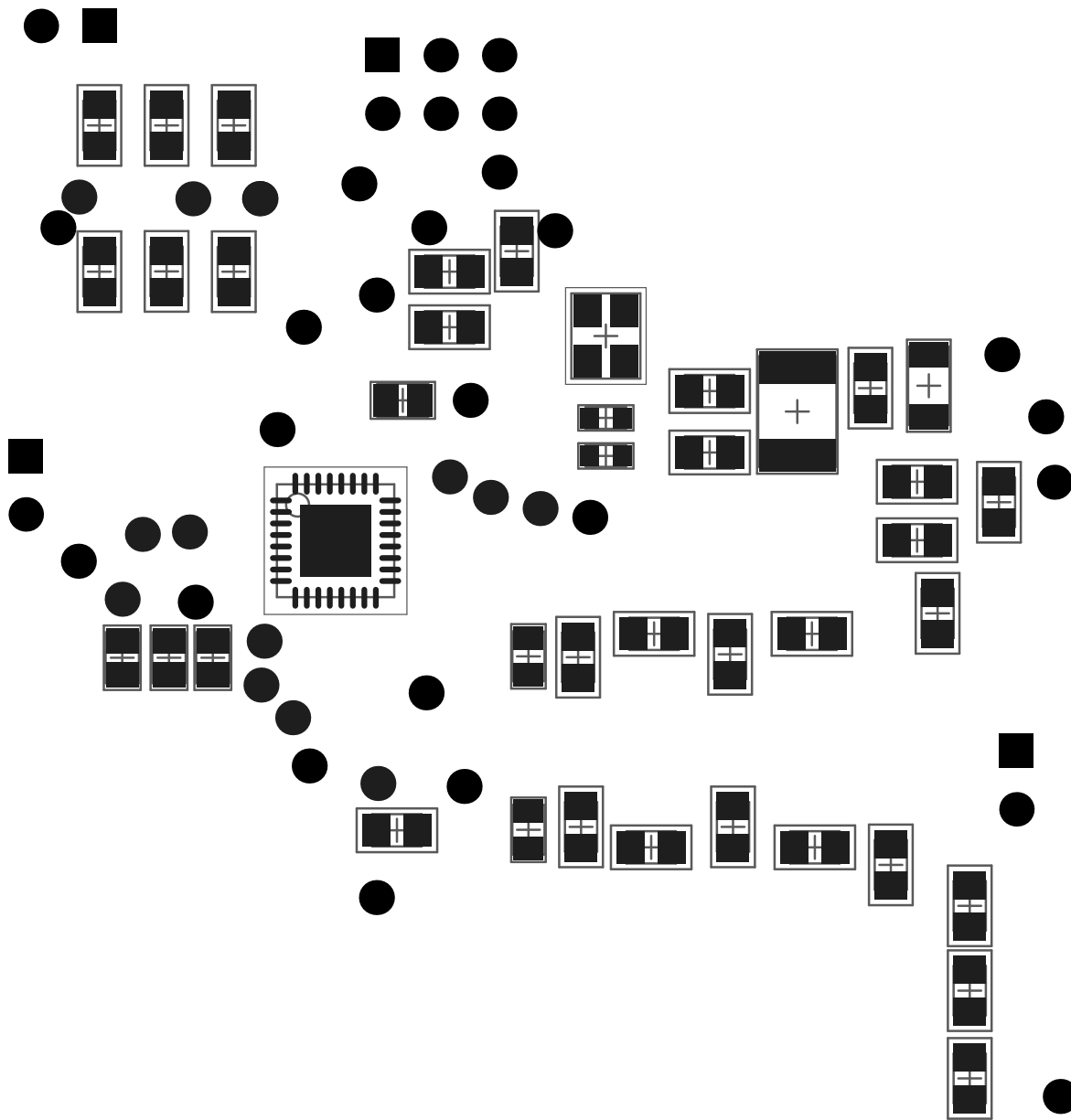


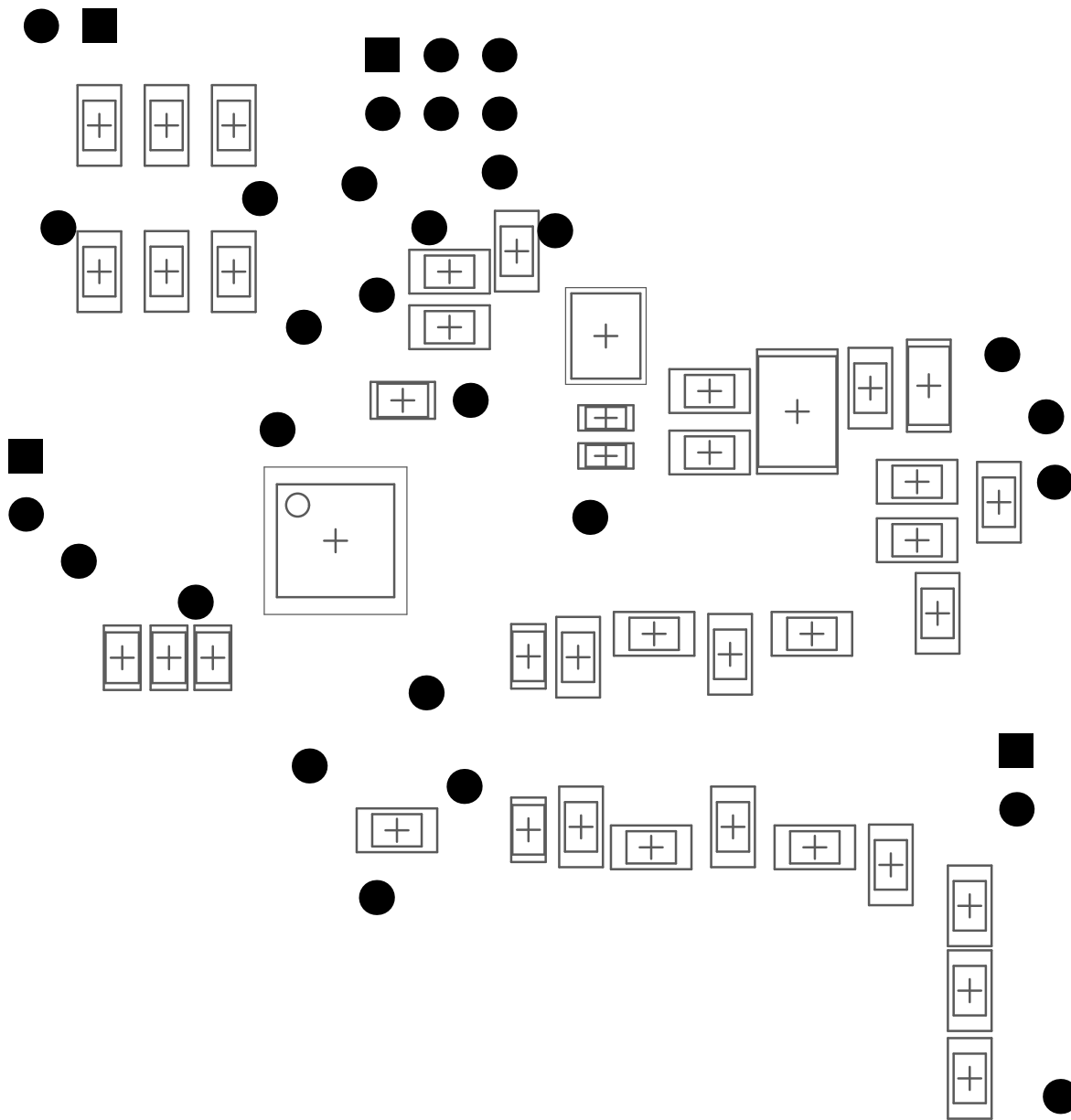


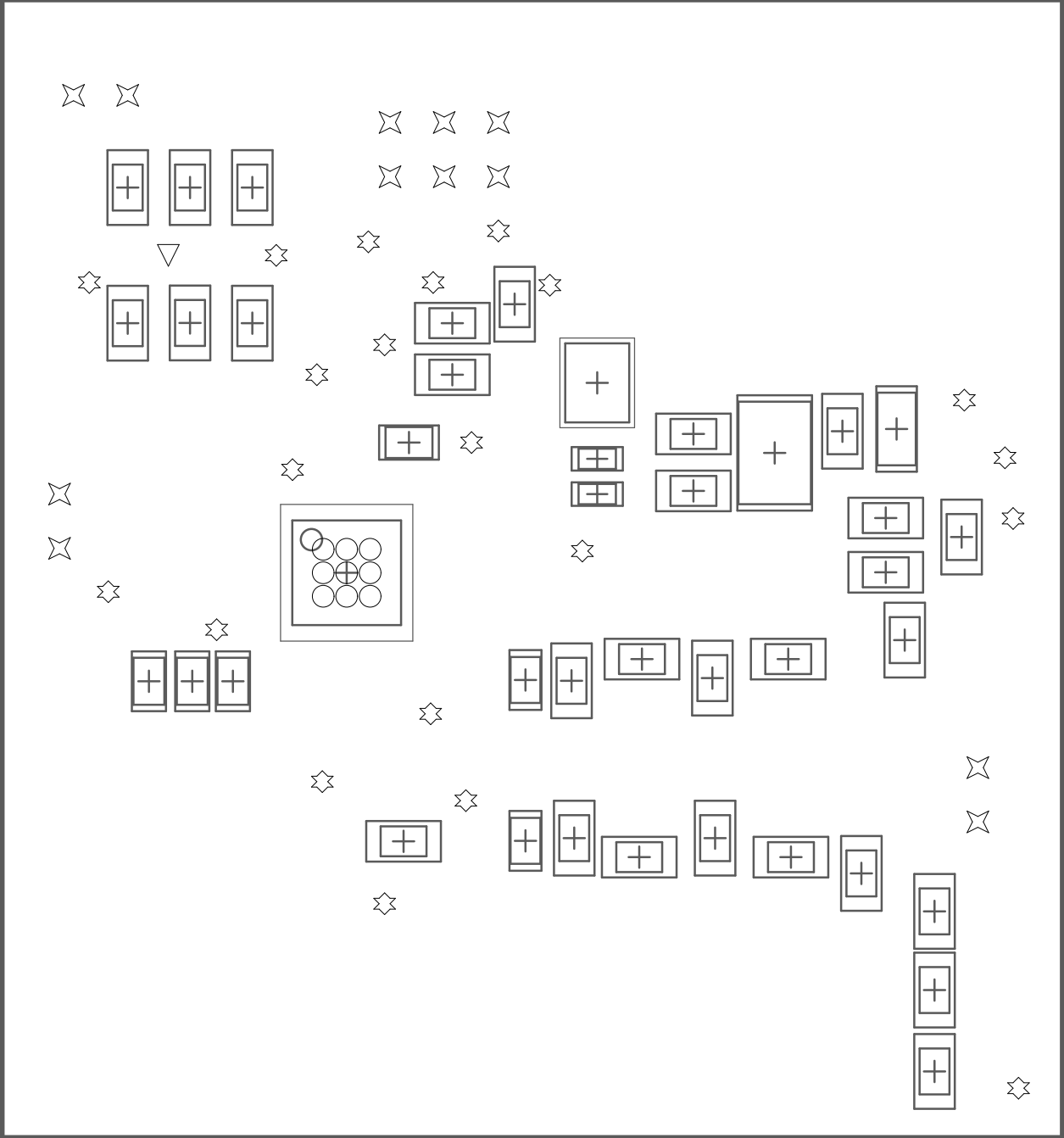


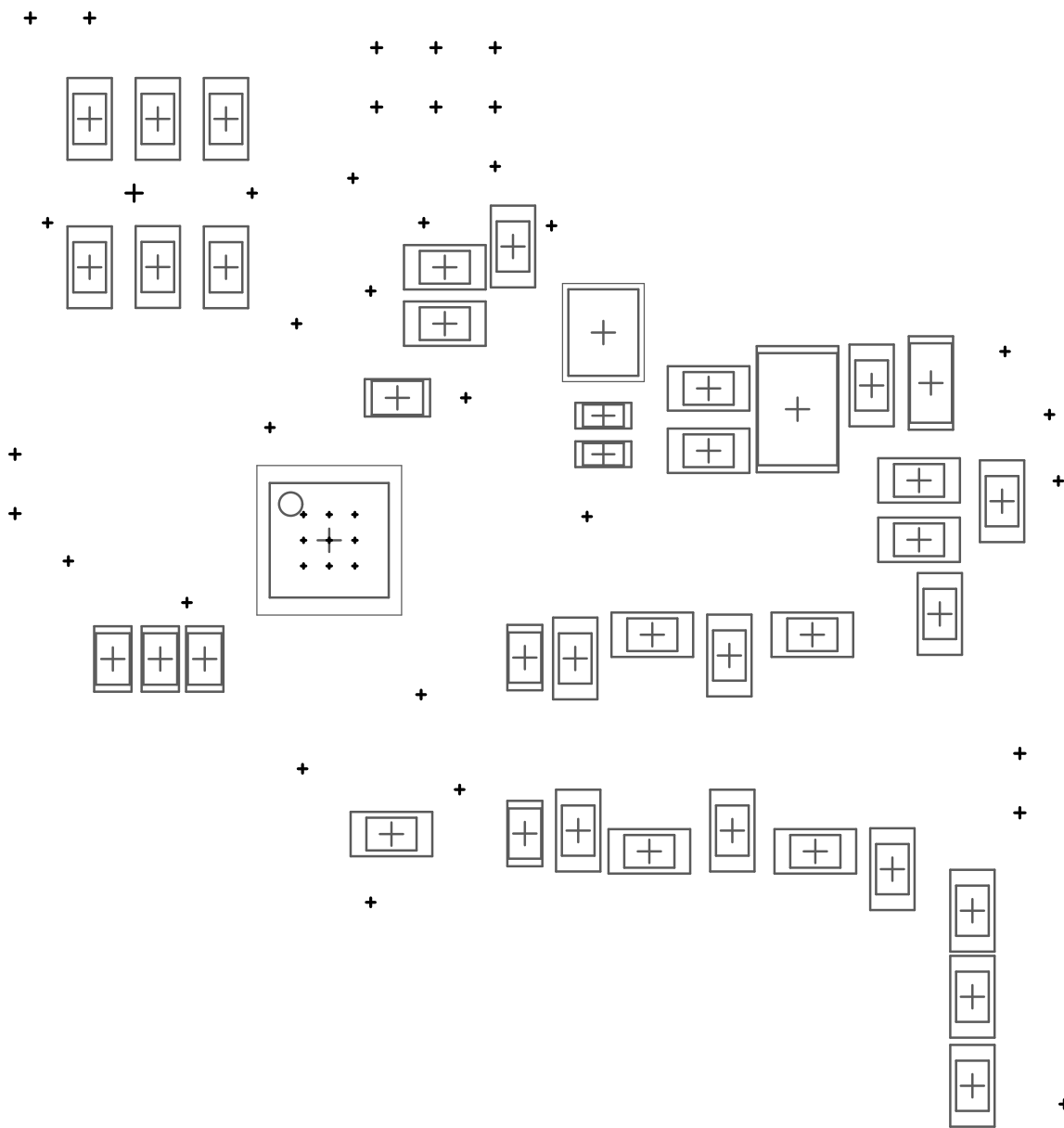












Comment	Description	Designator	Footprint	LibRef	Quantity
Crystal			DFN220P355X80-4N	Component_1	1
Cap	Capacitor	C1	C1206	Cap	1
Cap	Capacitor	C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15	6-0805_N	Cap	14
Cap Pol3	Polarized Capacitor (Surface Mount)	C16, C17, C18, C19	C0805	Cap Pol3	4
Cap Semi	Capacitor (Semiconductor SIM Model)	C20, C21	1608[0603]	Cap Semi	2
Inductor	Inductor	L1	INDC4532	Inductor	1
Inductor	Inductor	L2, L3	6-0805_L	Inductor	2
SPI	Header, 3-Pin, Dual row	P1	HDR2X3	Header 3X2	1
Header 2	Header, 2-Pin	P2	HDR1X2	Header 2	1
Interrupt	Header, 2-Pin	P3	HDR1X2	Header 2	1
Power	Header, 2-Pin	P4	HDR1X2	Header 2	1
0R DNP	RESC0805	R1, R2, R3, R4	6-0805_N	RESC0805	4
0R	RESC0805	R5, R6	6-0805_N	RESC0805	2
Res3	Resistor	R7, R8, R9, R10, R11, R12, R13, R14, R15	6-0805_N	Res3	9
TVDD		T1	PCBComponent_1	Testpoint	1
VDD		T2	PCBComponent_1	Testpoint	1
PVDD		T3	PCBComponent_1	Testpoint	1
VMID		T4	PCBComponent_1	Testpoint	1
SIGIN		T5	PCBComponent_1	Testpoint	1
SIGOUT		T6	PCBComponent_1	Testpoint	1
AUX1		T7	PCBComponent_1	Testpoint	1
AUX2		T8	PCBComponent_1	Testpoint	1
SCL2		T9	PCBComponent_1	Testpoint	1
SDA2		T10	PCBComponent_1	Testpoint	1
CLKOUT		T11	PCBComponent_1	Testpoint	1
DVDD		T12	PCBComponent_1	Testpoint	1
AVDD		T13	PCBComponent_1	Testpoint	1
CLRC663		U?	QFN50P500X500X100_HS	CLRC663	1