

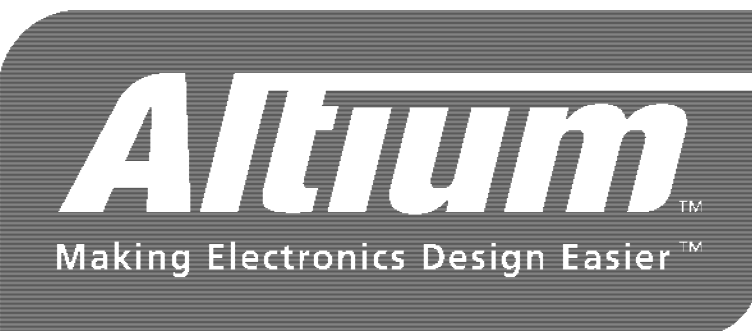
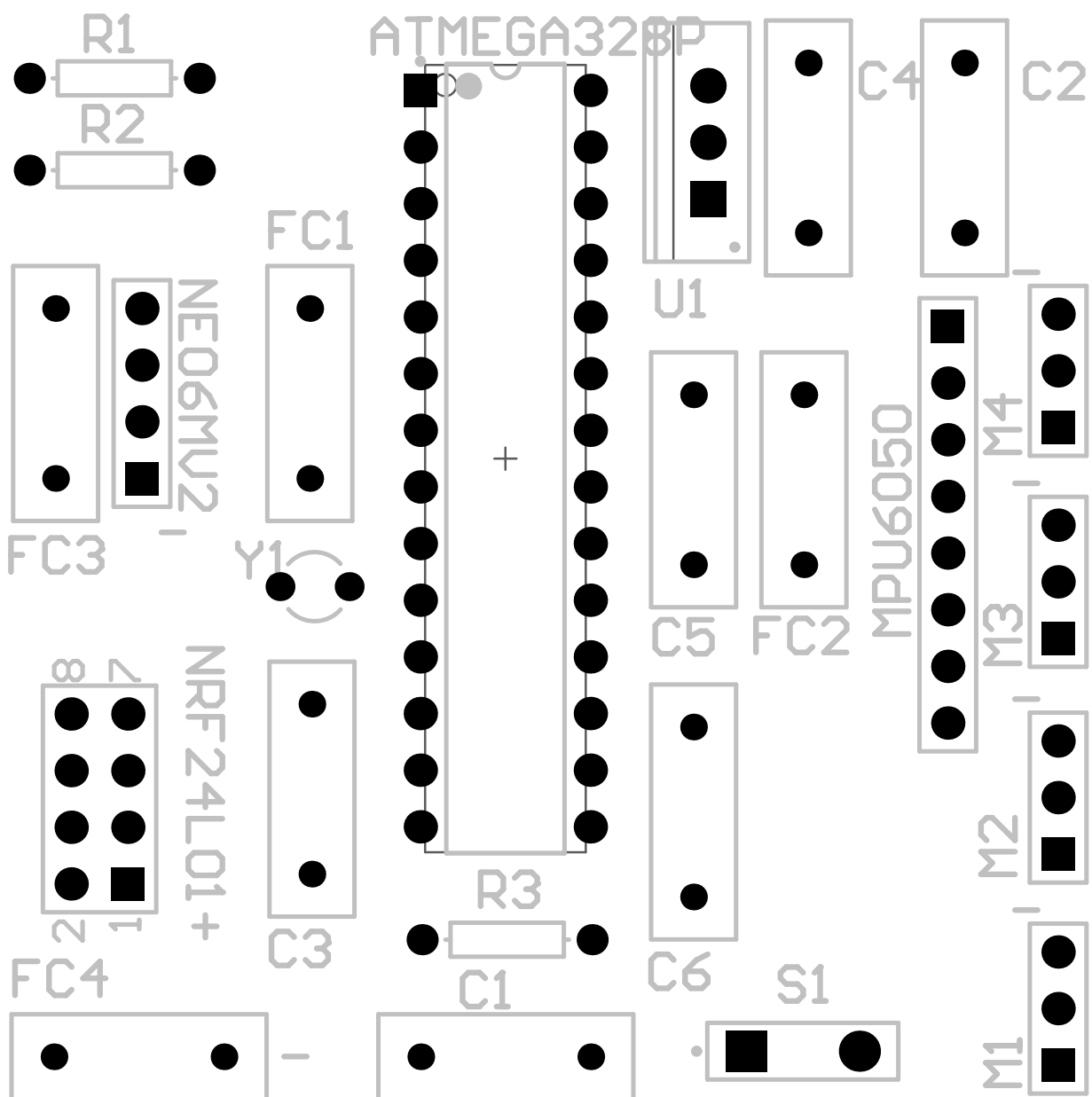
# Bill of Materials

<Parameter Title not found>

Source Data From: Quadcopter\_controller.PrjPcb  
 Project: Quadcopter\_controller.PrjPcb  
 Variant: None

Creation Date: 22.06.2017 22:38:00  
 Print Date: 22-Jun-17 10:38:10 PM

Footprint	Comment	#Column Name E	Designator	Description	Quantity
T03B	LM3940IT-3.3		U1	1A Low Dropout Regulator for 5V to 3.3V Conversion, 3-pin TO-220	1
28P3	ATmega328P-PU		ATMEGA328P	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 28-pin PDIP, Industrial Grade (-40°C to 85°C)	1
RAD-0.3	0.47uF		C4	Capacitor	1
RAD-0.3	10nF		C1	Capacitor	1
RAD-0.3	20pF		C3	Capacitor	1
RAD-0.3	20pF		C6	Capacitor	1
RAD-0.3	33uF		C2	Capacitor	1
RAD-0.3	100nF		C5	Capacitor	1
RAD-0.3	100nF		FC1	Capacitor	1
RAD-0.3	100nF		FC2	Capacitor	1
RAD-0.3	100nF		FC3	Capacitor	1
RAD-0.3	100uF		FC4	Capacitor	1
R38	XTAL		Y1	Crystal Oscillator	1
HDR1X3	Header 3		M1	Header, 3-Pin	1
HDR1X3	Header 3		M2	Header, 3-Pin	1
HDR1X3	Header 3		M3	Header, 3-Pin	1
HDR1X3	Header 3		M4	Header, 3-Pin	1
HDR1X4	GPS		NEO6MV2	Header, 4-Pin	1
HDR2X4	nRF24L01+		NRF24L01+	Header, 4-Pin, Dual row	1
HDR1X8	Header 8		MPU6050	Header, 8-Pin	1
AXIAL-0.3	4.7K		R2	Resistor	1
AXIAL-0.3	10K		R1	Resistor	1
AXIAL-0.3	10K		R3	Resistor	1
SPST-2	SW-PB		S1	Switch	1
					24
Approved		Notes			



Altium Limited  
12a Rodborough Rd  
Frenchs Forest  
NSW 2086

ENGINEER:	TITLE:		
PCB DESIGNER:			
DATE: 22.06.2017	PART NO.:		REV:
FILE NAME: Quadcopter_controller.PcbDoc	DWG NO:		SCALE:

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A

A

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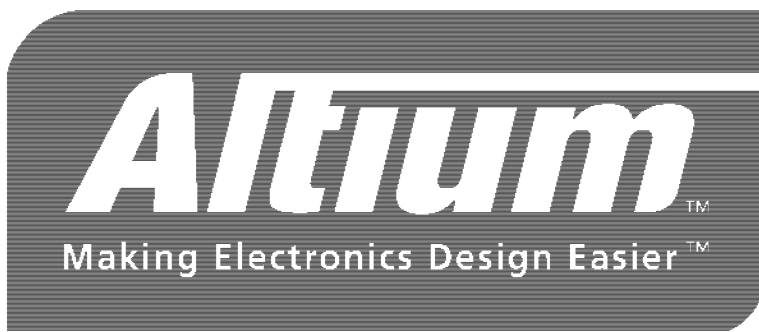
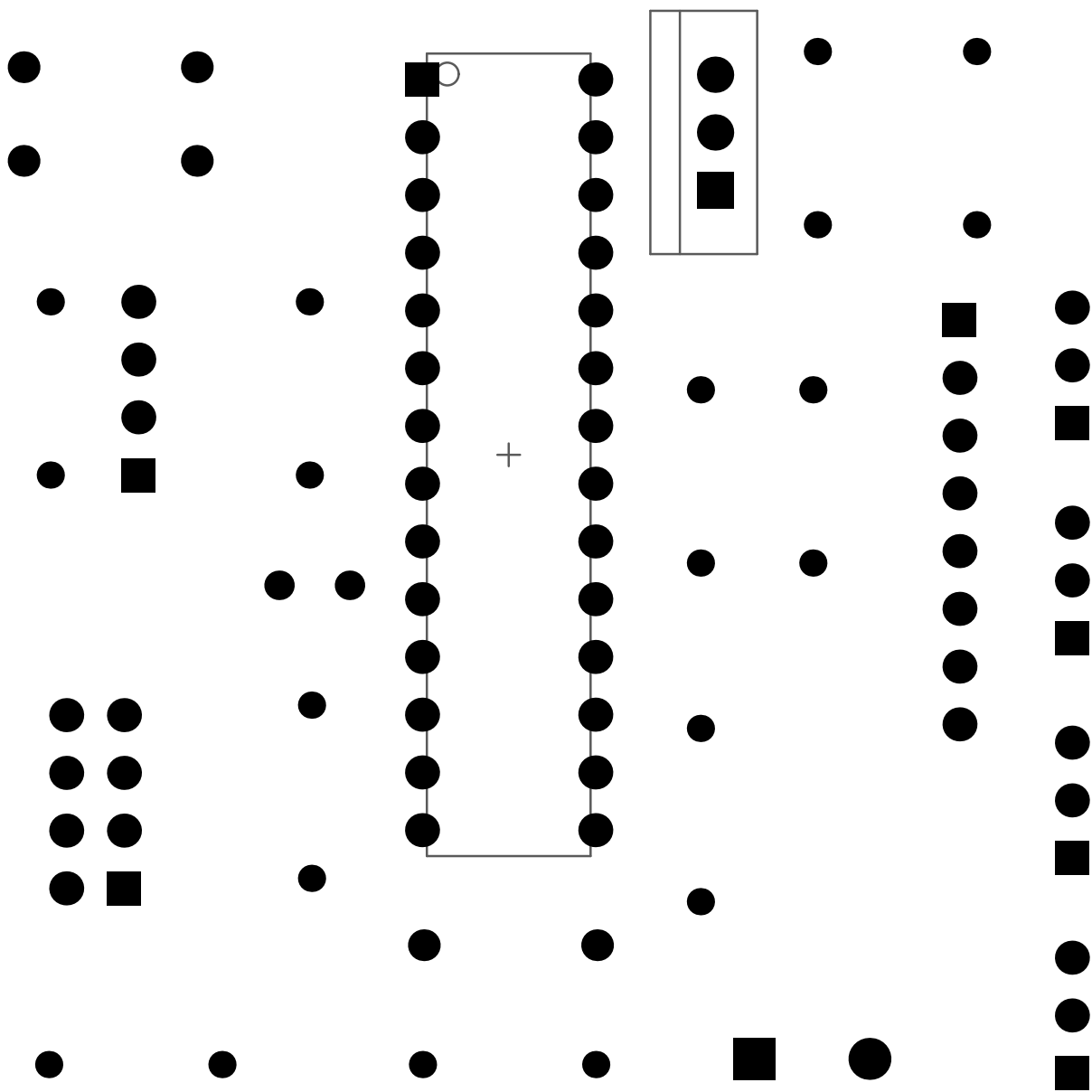
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D









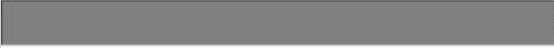








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# Board Stack Report

Stack Up		Layer Stack			
Layer	Board Layer Stack	Name	Material	Thickness	Constant
1		Top Paste			
2		Top Overlay			
3	  	Top Solder	Solder Resist	0,79mil	3,5
4	  	Top Layer	Copper	1,57mil	
5		Dielectric1	FR-4	15,75mil	4,8
6	  	Bottom Layer	Copper	1,57mil	
7	  	Bottom Solder	Solder Resist	0,79mil	3,5
8		Bottom Overlay			
9		Bottom Paste			
	Height : 20,47mil				

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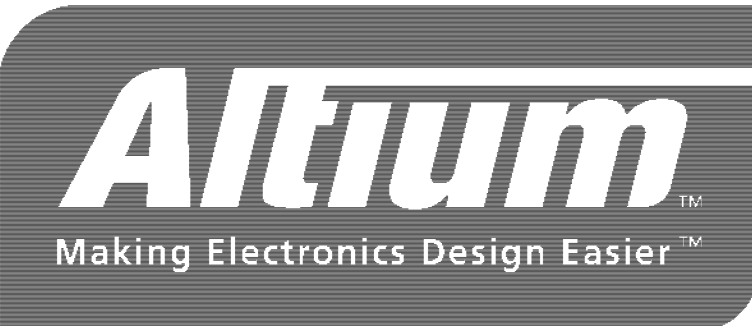
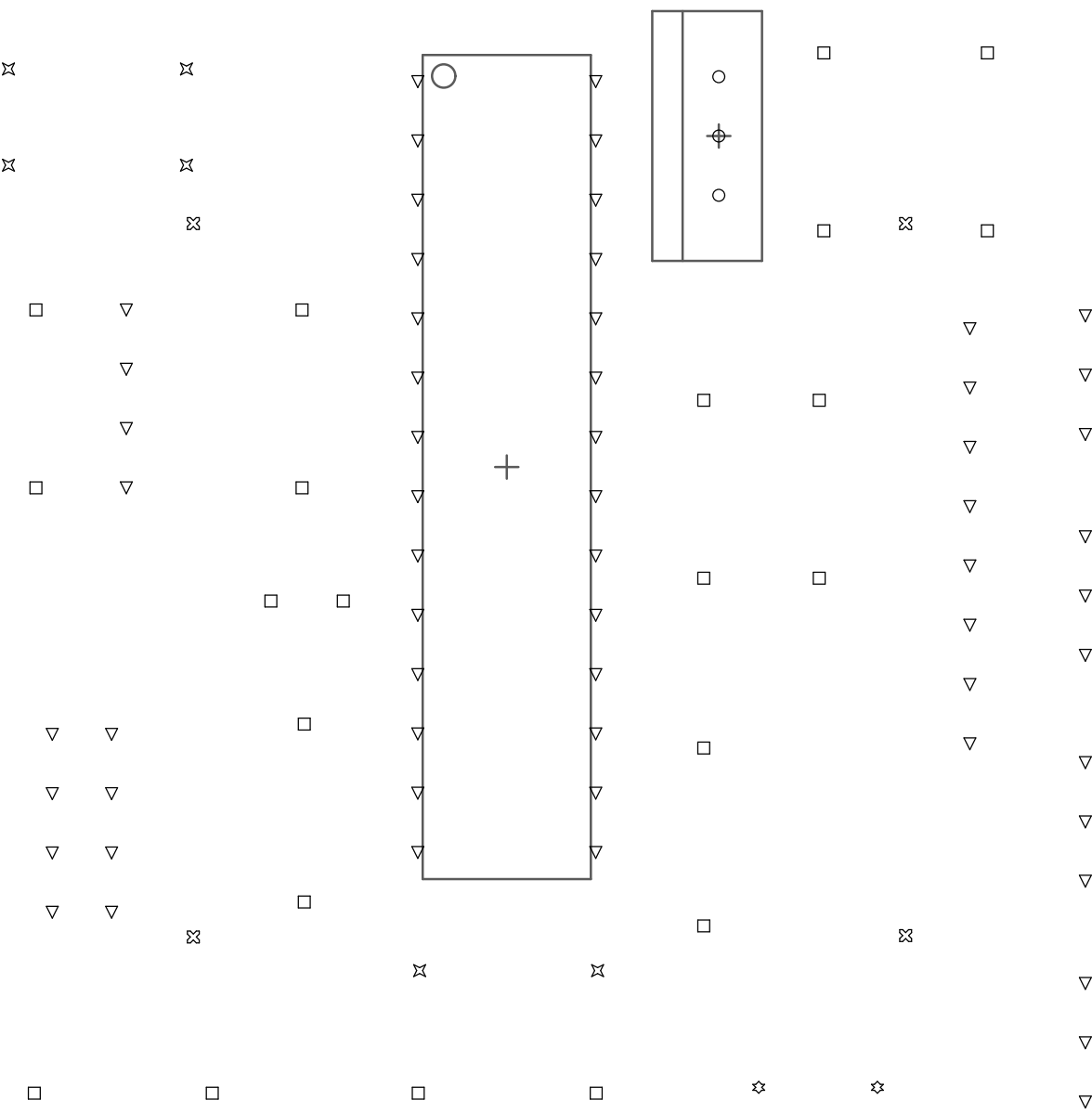
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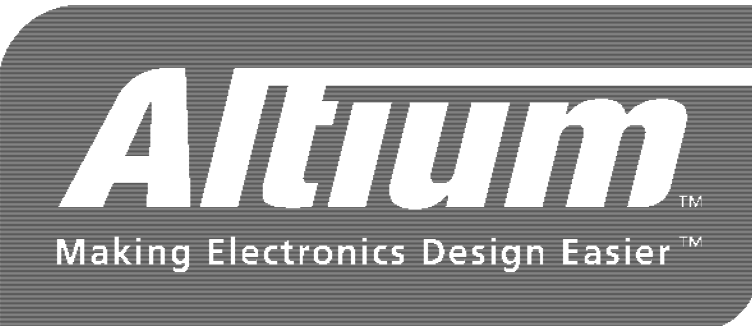
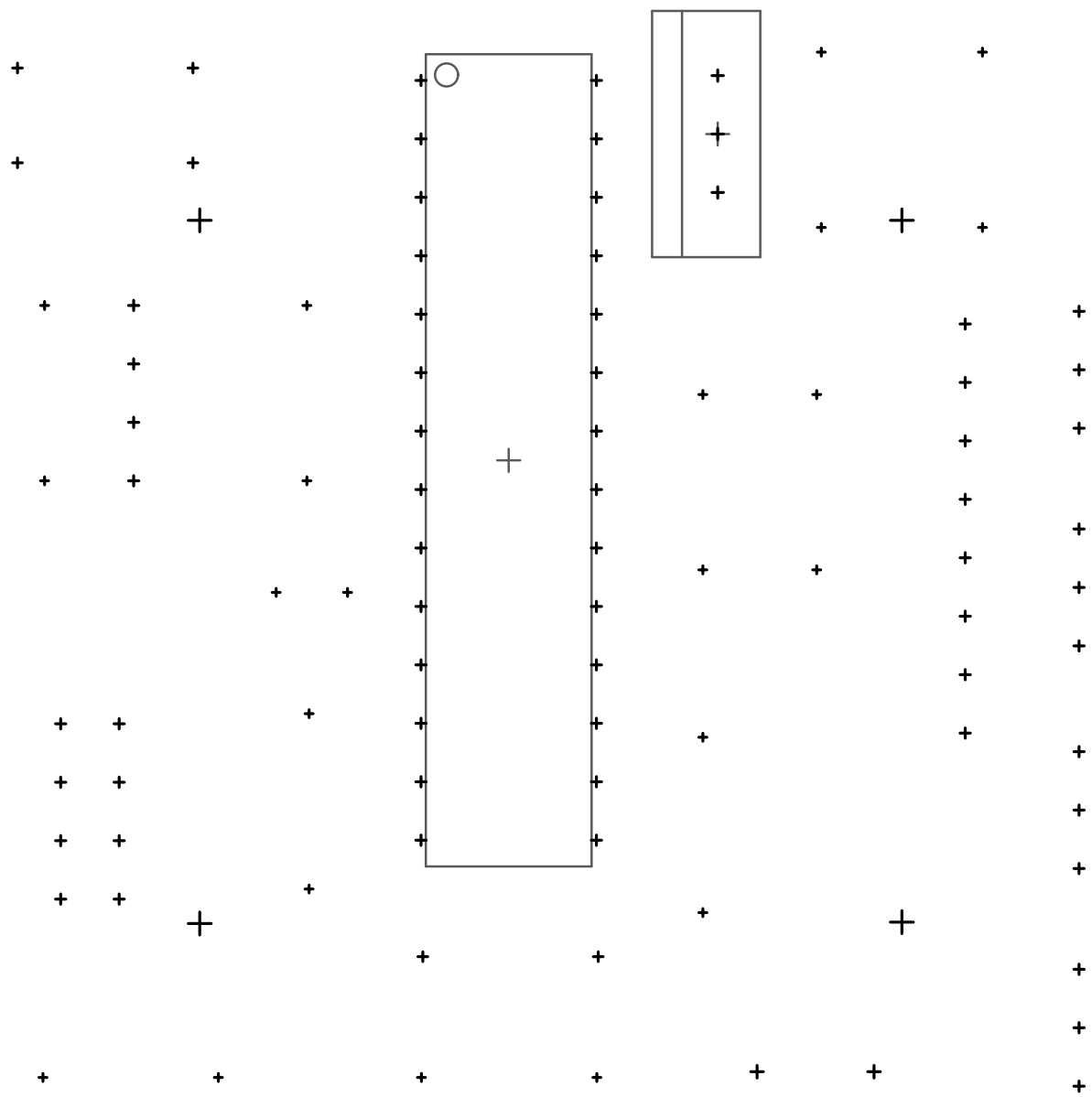
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