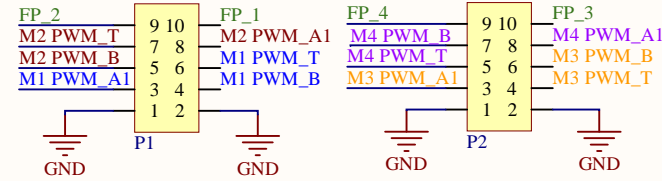
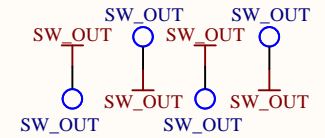


FPGA Signal Input



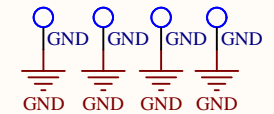
Logic Power Rail Test Points



FP Test Points



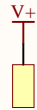
GND Test Points



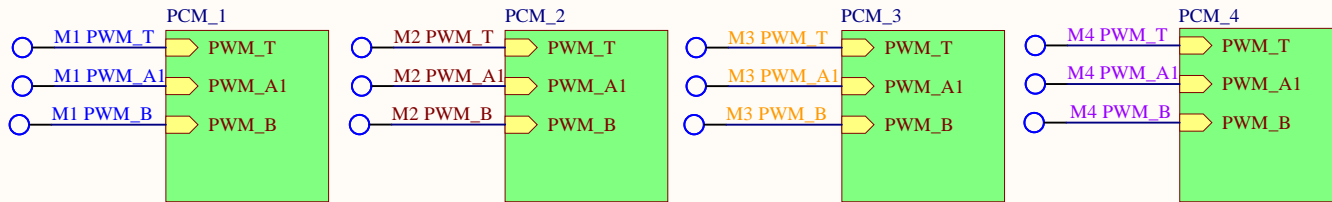
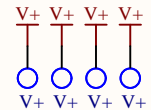
V+

Power Converter Modules

V+ Banana Jacks

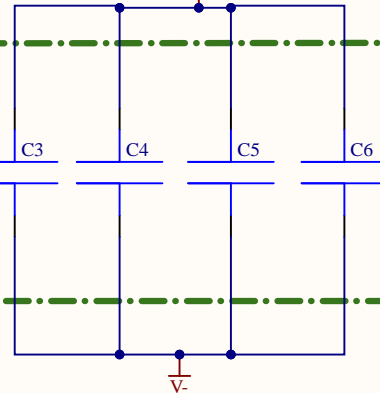


V+ Test Points

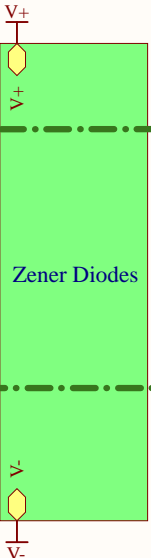
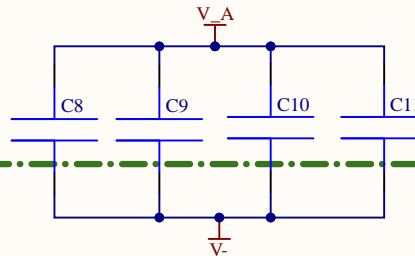


V_A

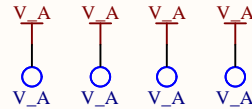
C link capacitors



C - Tiny Capacitors

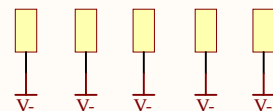


V_A Test Points

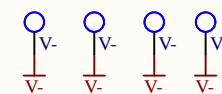


V-

V- Banana Jacks



V- Test Points



Title

Project Haddock CPC Motherboard 2023

Size

A

Number

Revision

2.0

Date: 7/24/2024

Sheet 1 of 3

File: C:\Users\...\CPC Mother Board 2023 Schematics\Doc Diego Romero

A

B

C

D

1

2

3

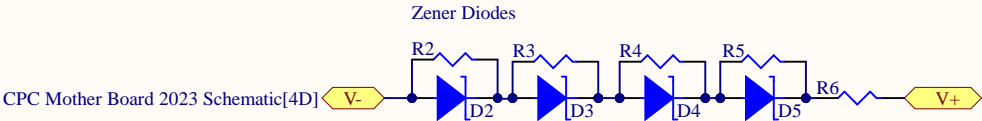
4

A

B

C

D



Title		
Project Haddock CPC Motherboard 2023 Zener Diodes		
Size	Number	Revision
A		2.0
Date:	7/24/2024	Sheet 2 of 3
File:	C:\Users\...\Zener Diodes.SchDoc	Drawn By: Diego Romero

1

2

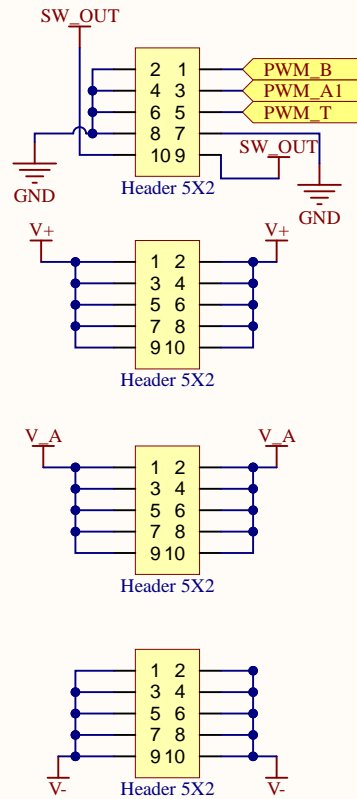
3

4

D

D

Power Switching Module Connector



C

C

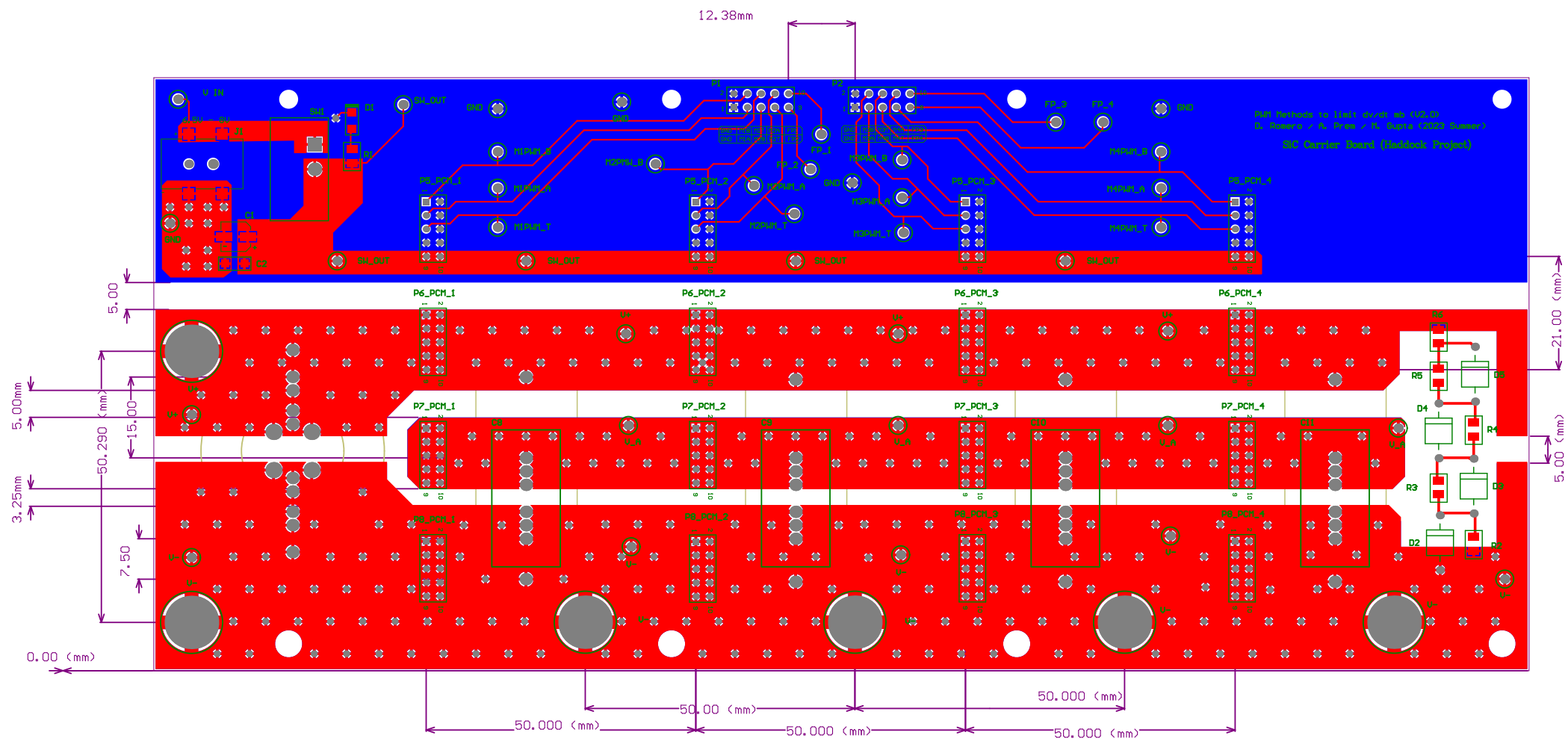
B

B

A

A

Title		
Project Haddock CPC Motherboard 2023 Zener Diodes		
Size	Number	Revision
A		2.0
Date:	7/24/2024	Sheet 3 of 3
File:	C:\Users\...\Power Switching Module Connector	Drawn By: Diego Romero
2		1



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
	Clink capacitors		C3, C4, C5, C6			4							
	Capacitor Module		C7			1							
	Tiny Capacitor		C8, C9, C10, C11			4							
	Header 5 x 2	*.100" Mini Mate Isolated Power Connector Socket Strip"	P1, P2, P5_POM,1, P5_POM,2, P5_POM,3, P5_POM,4, P6_POM,1, P6_POM,2, P6_POM,3, P6_POM,4, P7_POM,1, P7_POM,2, P7_POM,3, P7_POM,4, P8_POM,1, P8_POM,2, P8_POM,3, P8_POM,4			18							
	LED	1106, 645nm Red LED; 1.5x1.4mm SMD, Chip Type Mount with Inner Lens	D1			1							
	V+	Banana Jack- Non-Insulated 218" Length	B1			1							
	V-	Banana Jack- Non-Insulated 218" Length	B2, B3, B4, B5, B6			5							
	Cap CER 1206	CAP CER0.1UF 50V X7R 1206	C2			1							
	DC IN Jack	Conn Jack RA SMT 5.5x2.1MM	J1			1							
	V_A	Crayola Crayons - Rainbow 8 Pack	14, TP13, TP15, TP16			4							
	M2PWM_A	Crayola Crayons - Rainbow 8 Pack	T55			1							
	V IN	Crayola Crayons - Rainbow 8 Pack	TP1			1							
	SV_OUT	Crayola Crayons - Rainbow 8 Pack	TP7, TP71, TP72, TP73, TP74			5							
	V+	Crayola Crayons - Rainbow 8 Pack	TP9, TP10, TP11, TP12			4							
	V-	Crayola Crayons - Rainbow 8 Pack	TP17, TP19, TP20, TP218			4							
	GND	Crayola Crayons - Rainbow 8 Pack	TP21, TP101, TP102, TP103, TP104			5							
	M1PWM_T	Crayola Crayons - Rainbow 8 Pack	TP50			1							
	M1PWM_A	Crayola Crayons - Rainbow 8 Pack	TP51			1							
	M1PWM_B	Crayola Crayons - Rainbow 8 Pack	TP53			1							
	M2PWM_T	Crayola Crayons - Rainbow 8 Pack	TP54			1							
	M2PWM_B	Crayola Crayons - Rainbow 8 Pack	TP57			1							
	M3PWM_T	Crayola Crayons - Rainbow 8 Pack	TP58			1							
	M3PWM_A	Crayola Crayons - Rainbow 8 Pack	TP59			1							
	M3PWM_B	Crayola Crayons - Rainbow 8 Pack	TP61			1							
	M4PWM_T	Crayola Crayons - Rainbow 8 Pack	TP62			1							
	M4PWM_A	Crayola Crayons - Rainbow 8 Pack	TP63			1							
	M4PWM_B	Crayola Crayons - Rainbow 8 Pack	TP65			1							
	FP_1	Crayola Crayons - Rainbow 8 Pack	TP81			1							
	FP_2	Crayola Crayons - Rainbow 8 Pack	TP82			1							
	FP_3	Crayola Crayons - Rainbow 8 Pack	TP83			1							
	FP_4	Crayola Crayons - Rainbow 8 Pack	TP84			1							
	Resistor 1206	Res Thick Film 1206 1.69K Ohm 1% 0.25W(1/4W) ±100ppm/C Pad SMD Automotive T/R	R1, R2, R3, R4, R5, R6			6							
	Switch	Switch Slide ON OFF SPST Top Slide 4A 250VAC 125VDC PC Pins Thru-Hole Bulk	SW1			1							
	Cap pol 1	WCAP ASJ Aluminum Electrolytic Capacitors	C1			1							
	Zener Diode	Zener Diode, 200V, 5%, 5W, Unidi	D2, D3, D4, D5			4							