

U_Curiosity nano touch adapter
Curiosity nano touch adapter.SchDoc



E1
RUBBER FEET

E2
RUBBER FEET

E3
RUBBER FEET

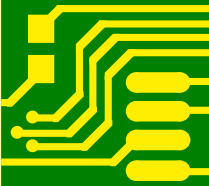
E4
RUBBER FEET

LABEL100



Label PCBA

PCB1



A08-3067
Curiosity nano touch adapter PCB documentation

PCBADOC1



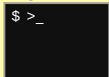
A12-1435

PCBADOC2



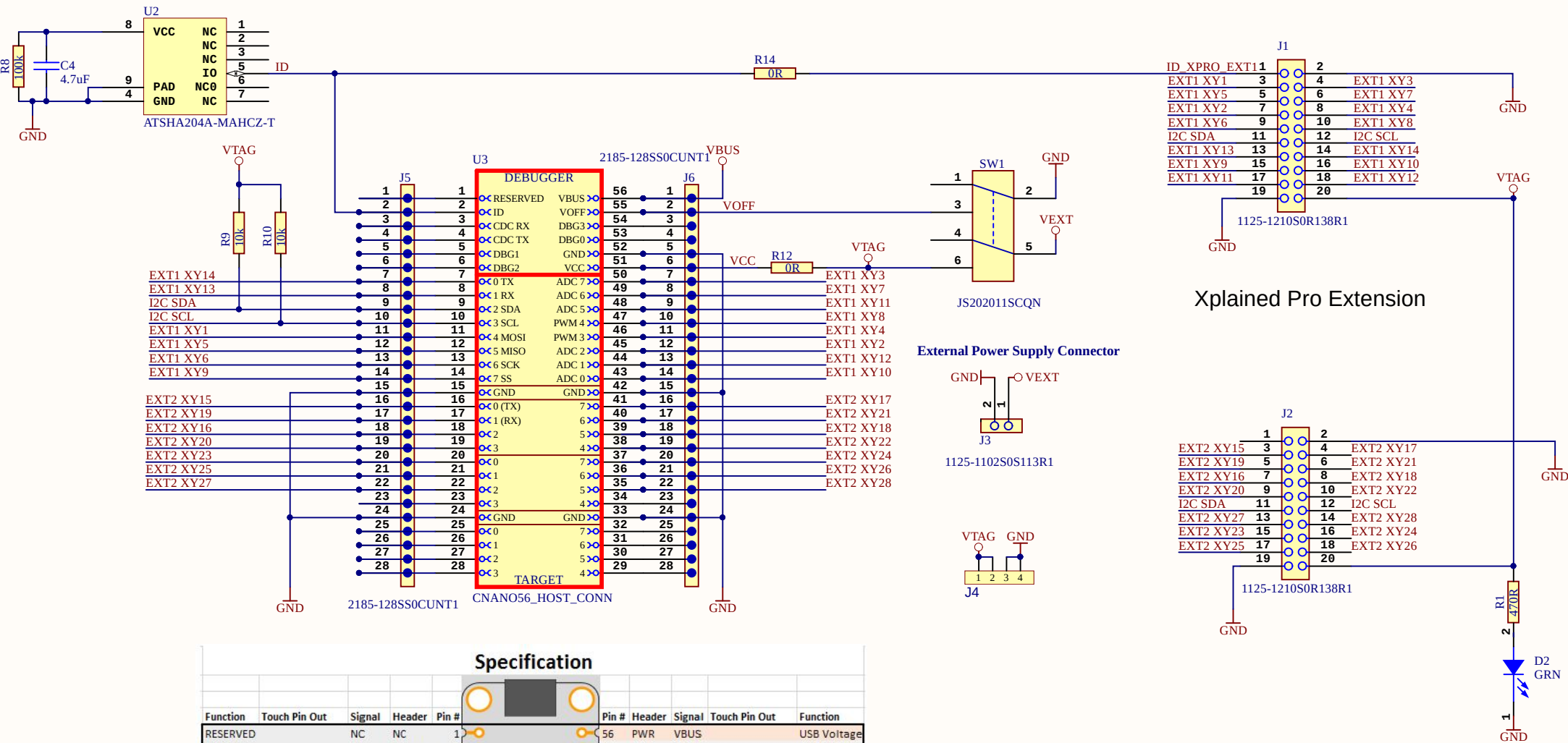
A12-1436

TEST1



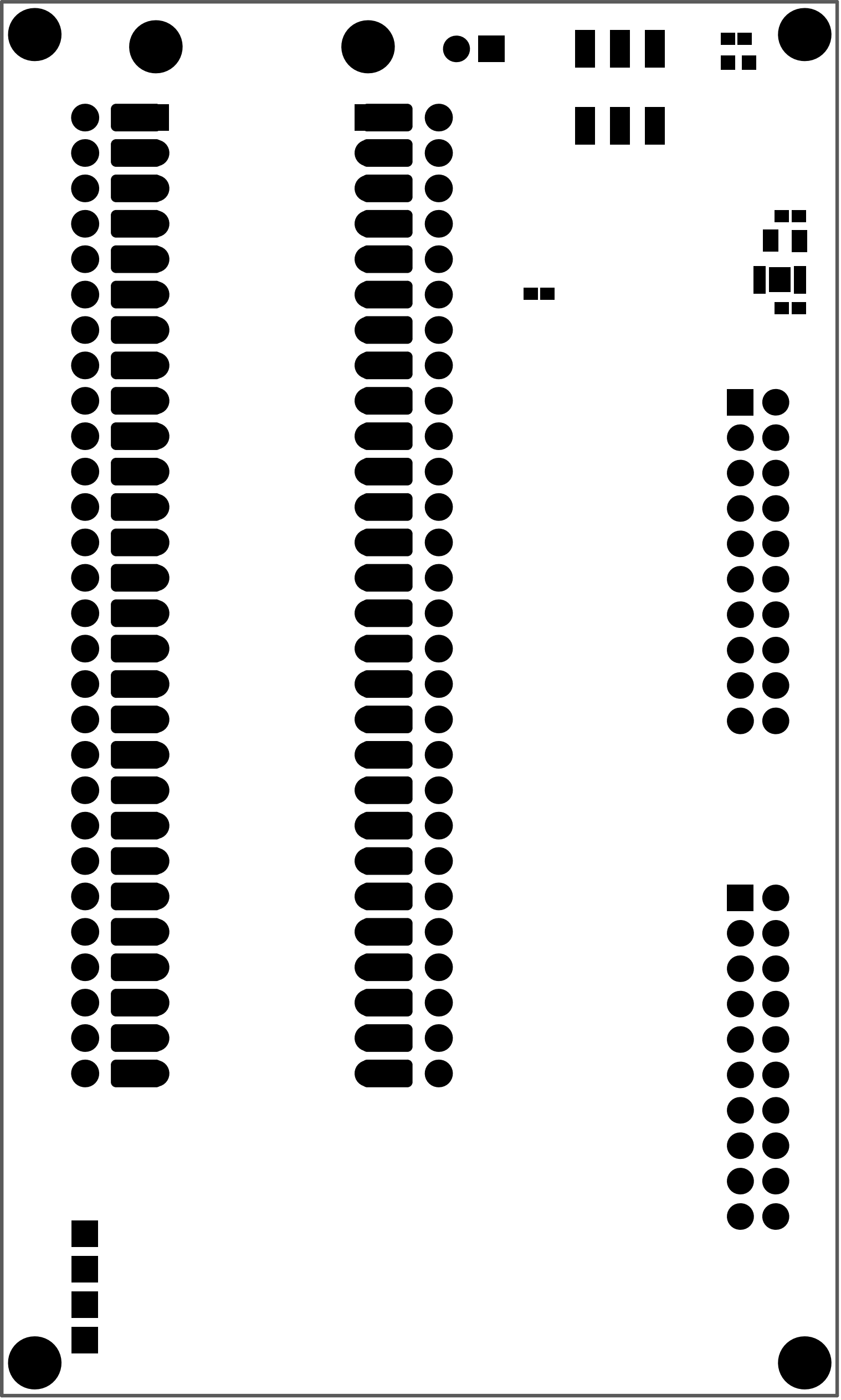
A11-0479

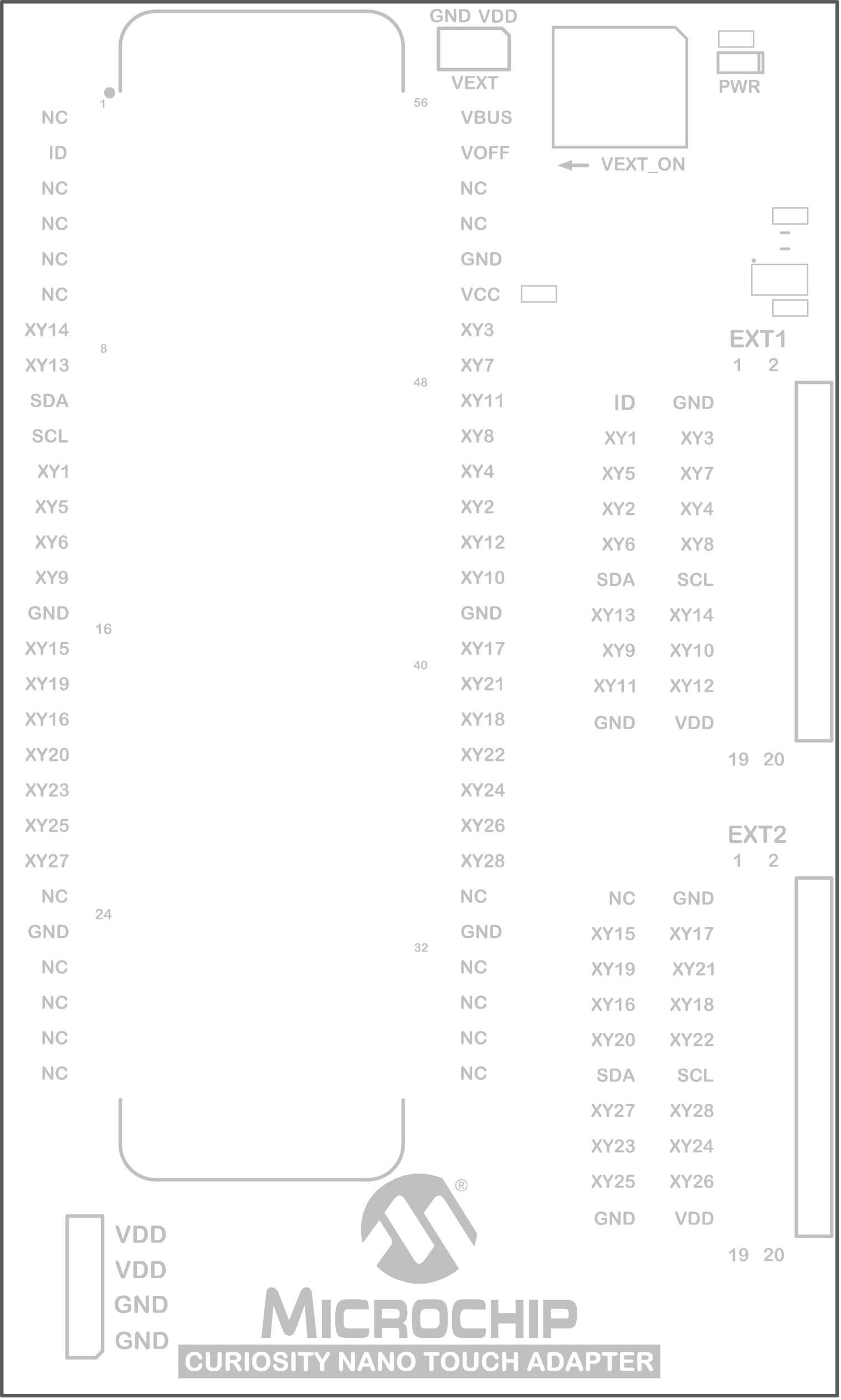
Curiosity Nano Touch Adapter

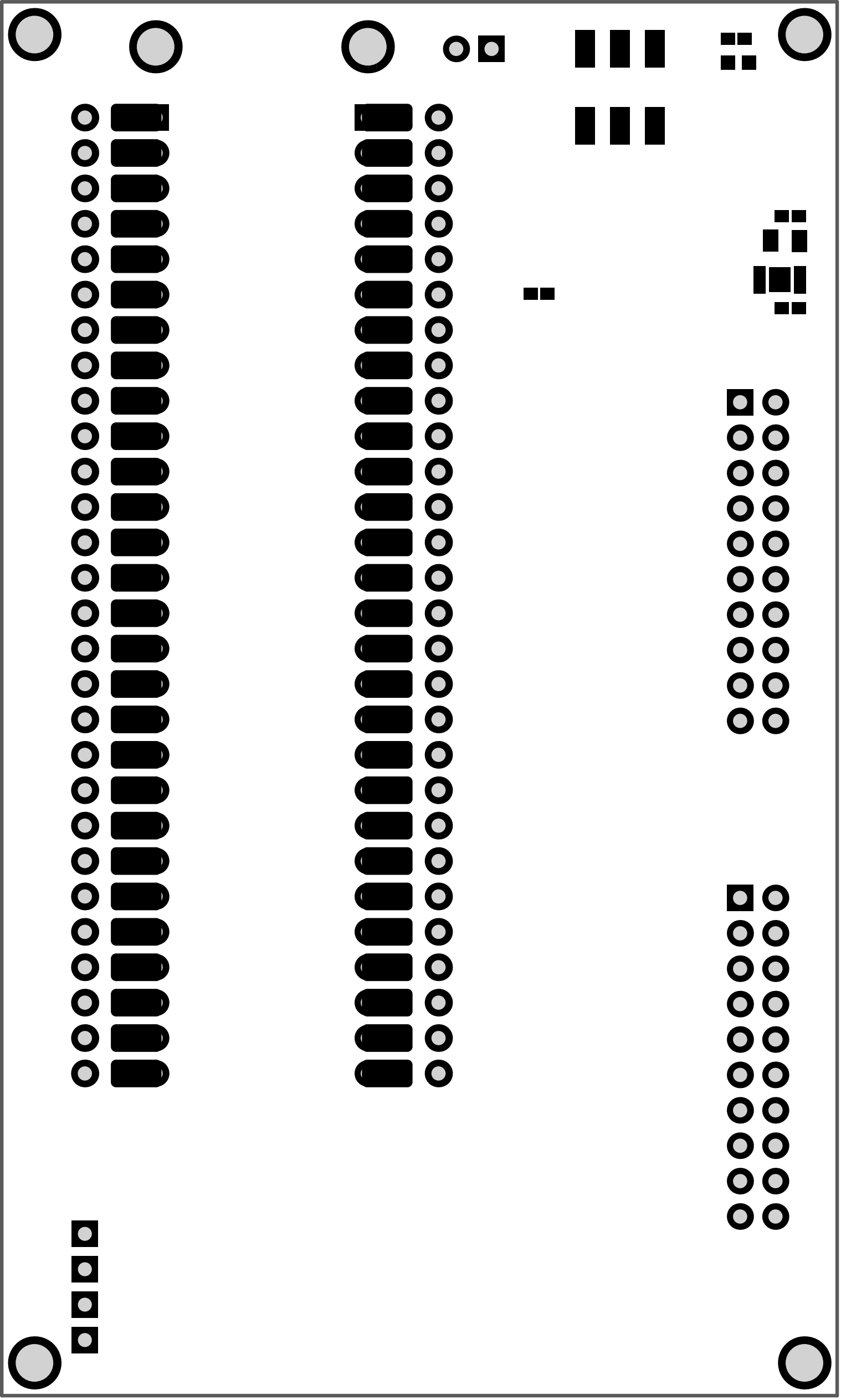


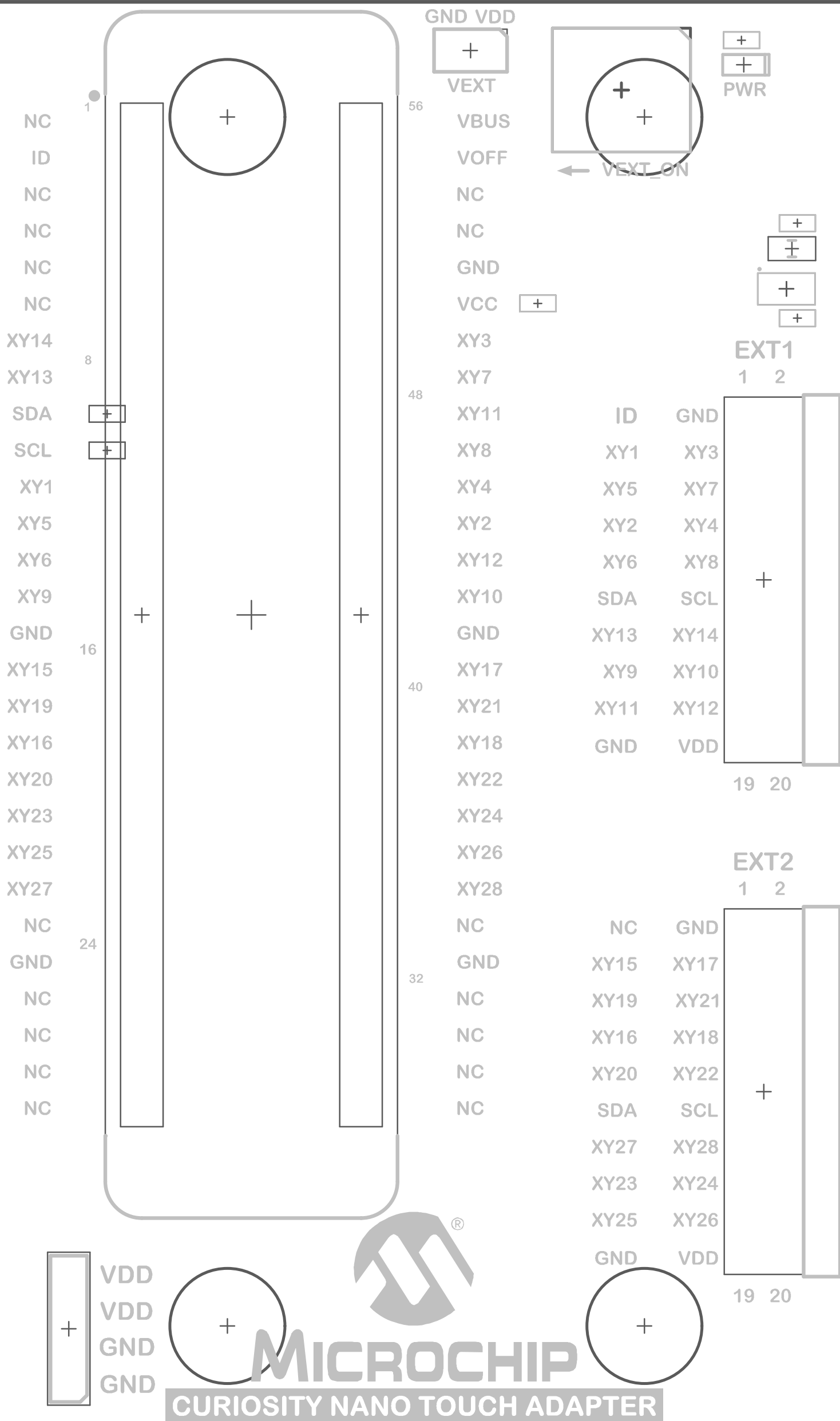
Specification

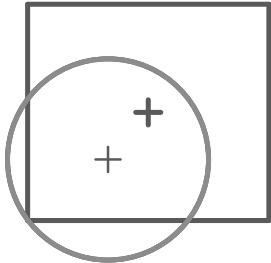
Function	Touch Pin Out	Signal	Header	Pin #	Pin #	Header	Signal	Touch Pin Out	Function
RESERVED	NC	NC	NC	1	56	PWR	VBUS	PTC/HCVD pri 3	USB Voltage
ID-pin	ID	DEBUG	DEBUG	2	55	PWR	VOFF	PTC/HCVD pri 7	VOFF-pin
TxD	CDC RX	DEBUG	DEBUG	3	54	DEBUG	DBG3	PTC/HCVD pri 11	RESET
RxD	CDC TX	DEBUG	DEBUG	4	53	DEBUG	DBG0	PTC/HCVD pri 8	DATA
CLK	DBG1	DEBUG	DEBUG	5	52	PWR	GND	PTC/HCVD pri 2	GND
GPIO	DBG2	DEBUG	DEBUG	6	51	PWR	VTG	PTC/HCVD pri 10	VTG
TxD	PTC/HCVD pri 14	0	COM	7	50	Analog	7	PTC/HCVD pri 3	ADC
RxD	PTC/HCVD pri 13	1	COM	8	49	Analog	6	PTC/HCVD pri 7	ADC
SDA	2	COM	COM	9	48	Analog	5	PTC/HCVD pri 11	ADC
SCL	3	COM	COM	10	47	Analog	4	PTC/HCVD pri 8	PWM (ADC)
MOSI	PTC/HCVD pri 1	4	COM	11	46	Analog	3	PTC/HCVD pri 4	PWM (ADC)
MISO	PTC/HCVD pri 5	5	COM	12	45	Analog	2	PTC/HCVD pri 2	ADC
SCK	PTC/HCVD pri 6	6	COM	13	44	Analog	1	PTC/HCVD pri 12	ADC
SS	PTC/HCVD pri 9	7	COM	14	43	Analog	0	PTC/HCVD pri 10	ADC
GND				15	42	PWR	GND	PTC/HCVD pri 3	GND
(TX)	PTC/HCVD pri 15	0	CON 1	16	41	CON 1	7	PTC/HCVD pri 17	
(RX)	PTC/HCVD pri 19	1	CON 1	17	40	CON 1	6	PTC/HCVD pri 21	
	PTC/HCVD pri 16	2	CON 1	18	39	CON 1	5	PTC/HCVD pri 18	
	PTC/HCVD pri 20	3	CON 1	19	38	CON 1	4	PTC/HCVD pri 22	
	PTC/HCVD pri 23	0	CON 2	20	37	CON 2	7	PTC/HCVD pri 24	
	PTC/HCVD pri 25	1	CON 2	21	36	CON 2	6	PTC/HCVD pri 26	
	PTC/HCVD pri 27	2	CON 2	22	35	CON 2	5	PTC/HCVD pri 28	
	PTC/HCVD pri 29	3	CON 2	23	34	CON 2	4	PTC/HCVD pri 30	
GND				24	33	PWR	GND	PTC/HCVD pri 3	GND
	PTC/HCVD pri 31	0	CON 3	25	32	CON 3	7	PTC/HCVD pri 32	
	PTC/HCVD pri 33	1	CON 3	26	31	CON 3	6	PTC/HCVD pri 34	
	PTC/HCVD pri 35	2	CON 3	27	30	CON 3	5	PTC/HCVD pri 36	
	PTC/HCVD pri 37	3	CON 3	28	29	CON 3	4	PTC/HCVD pri 38	











VBUS

VOFF

NC

NC

GND



VCC

XY3

XY7

XY11

XY8

XY4

XY2

XY12

XY10

GND

XY17

XY21

XY18

XY22

XY24

XY26

XY28

NC

GND

NC

NC

NC

NC

NC

ID

NC

NC

NC

NC

XY14

XY13



SDA



SCL

XY1

XY5

XY6

XY9

GND

XY15

XY19

XY16

XY20

XY23

XY25

XY27

NC

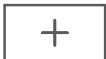
GND

NC

NC

NC

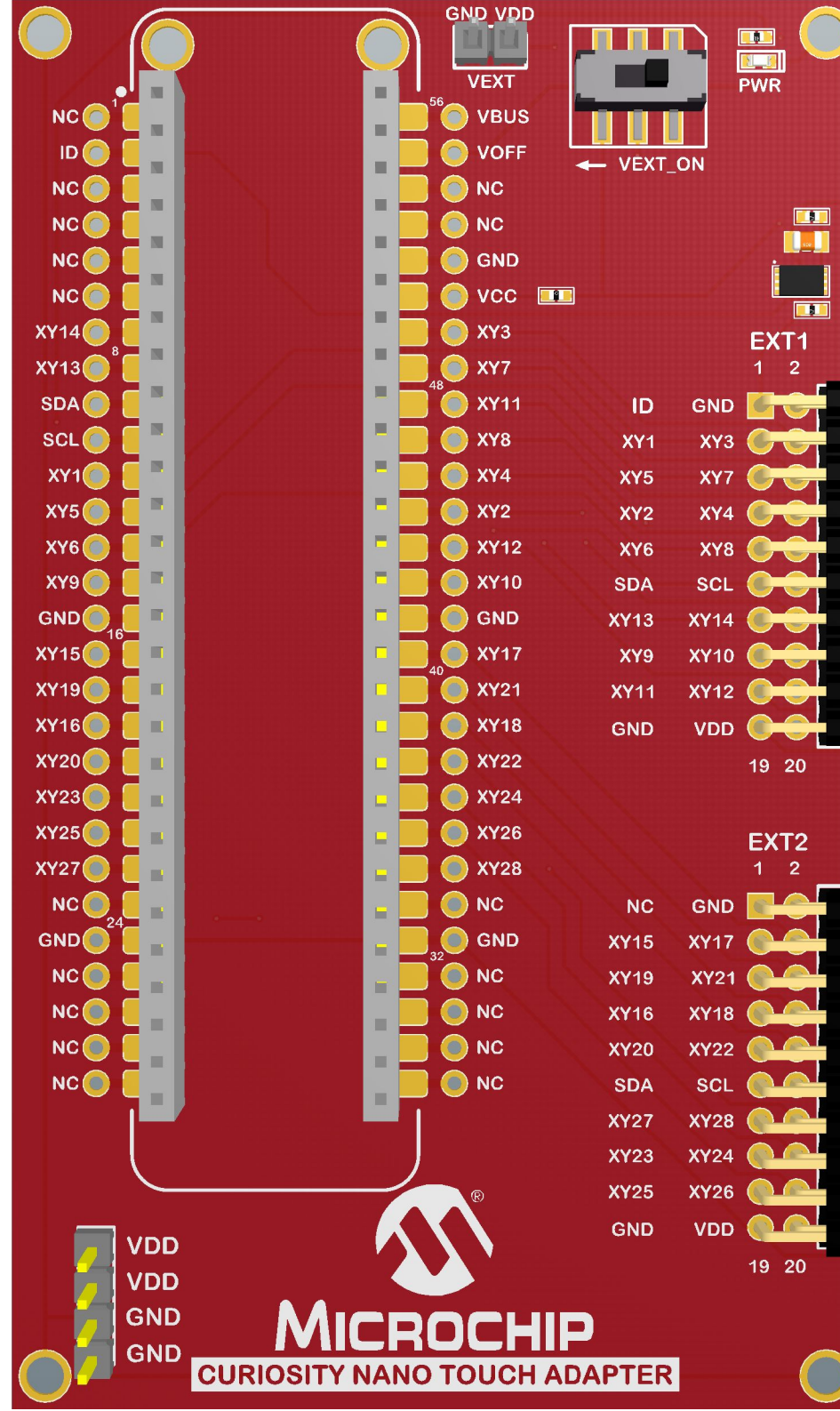
NC

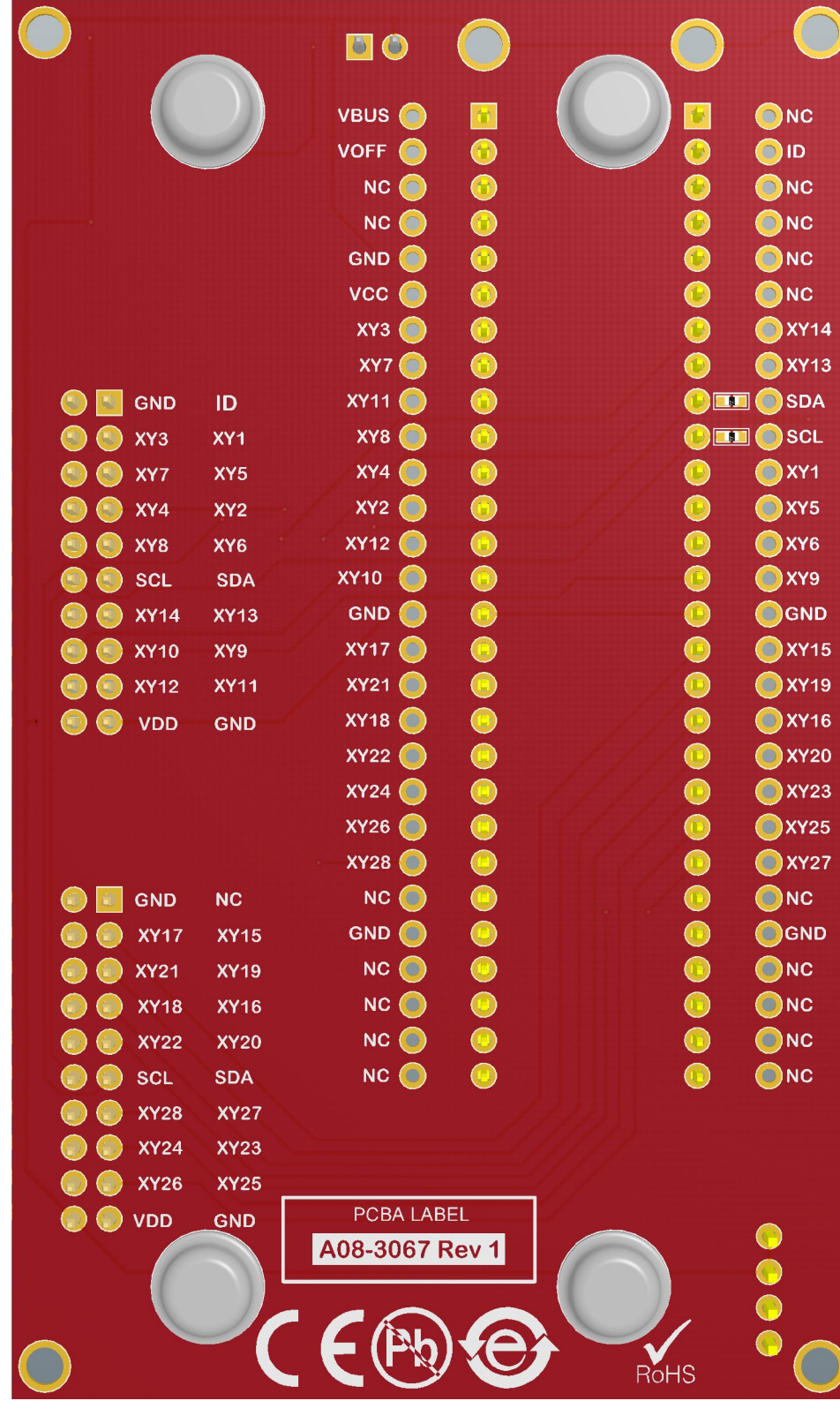


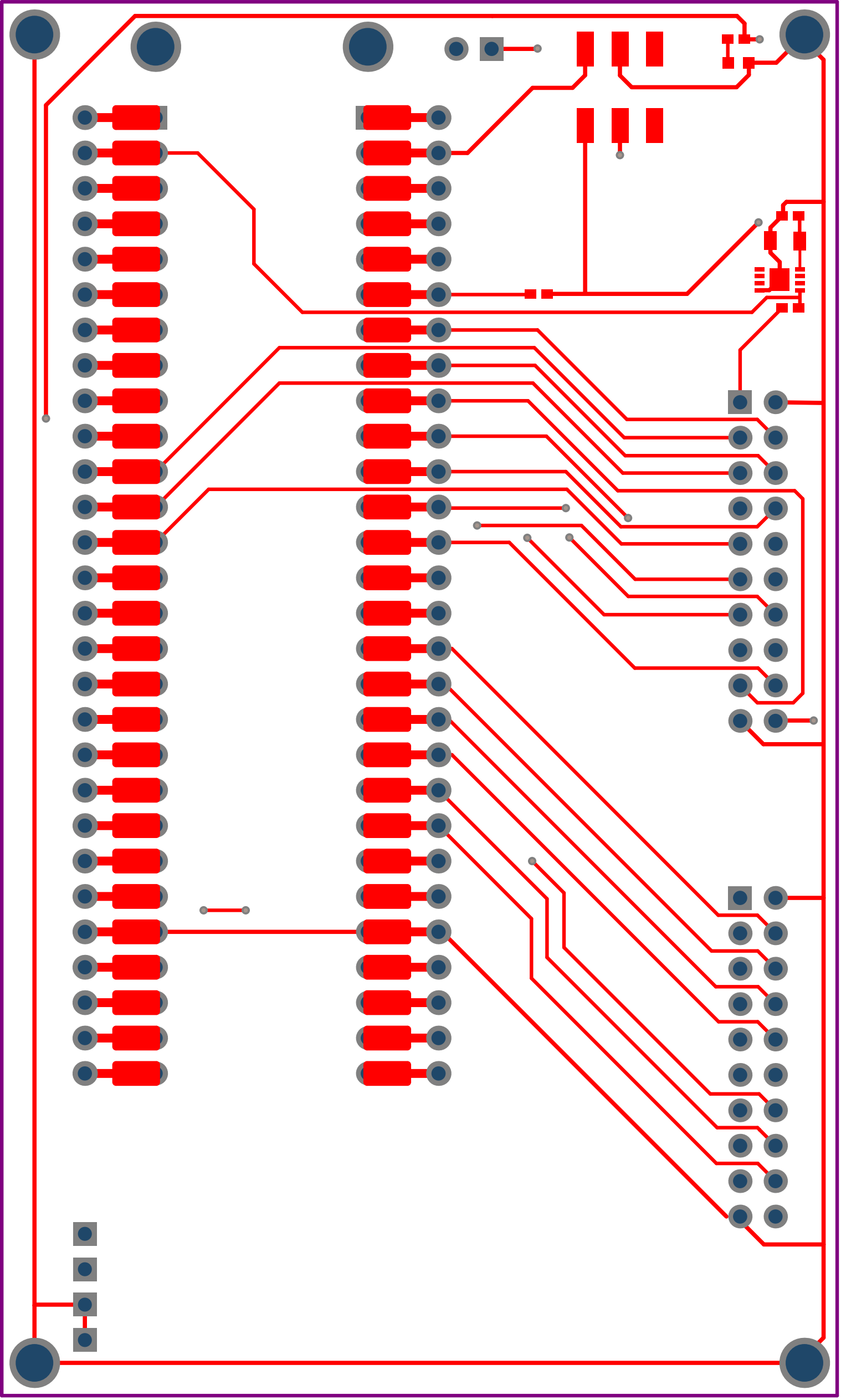
PCBA LABEL

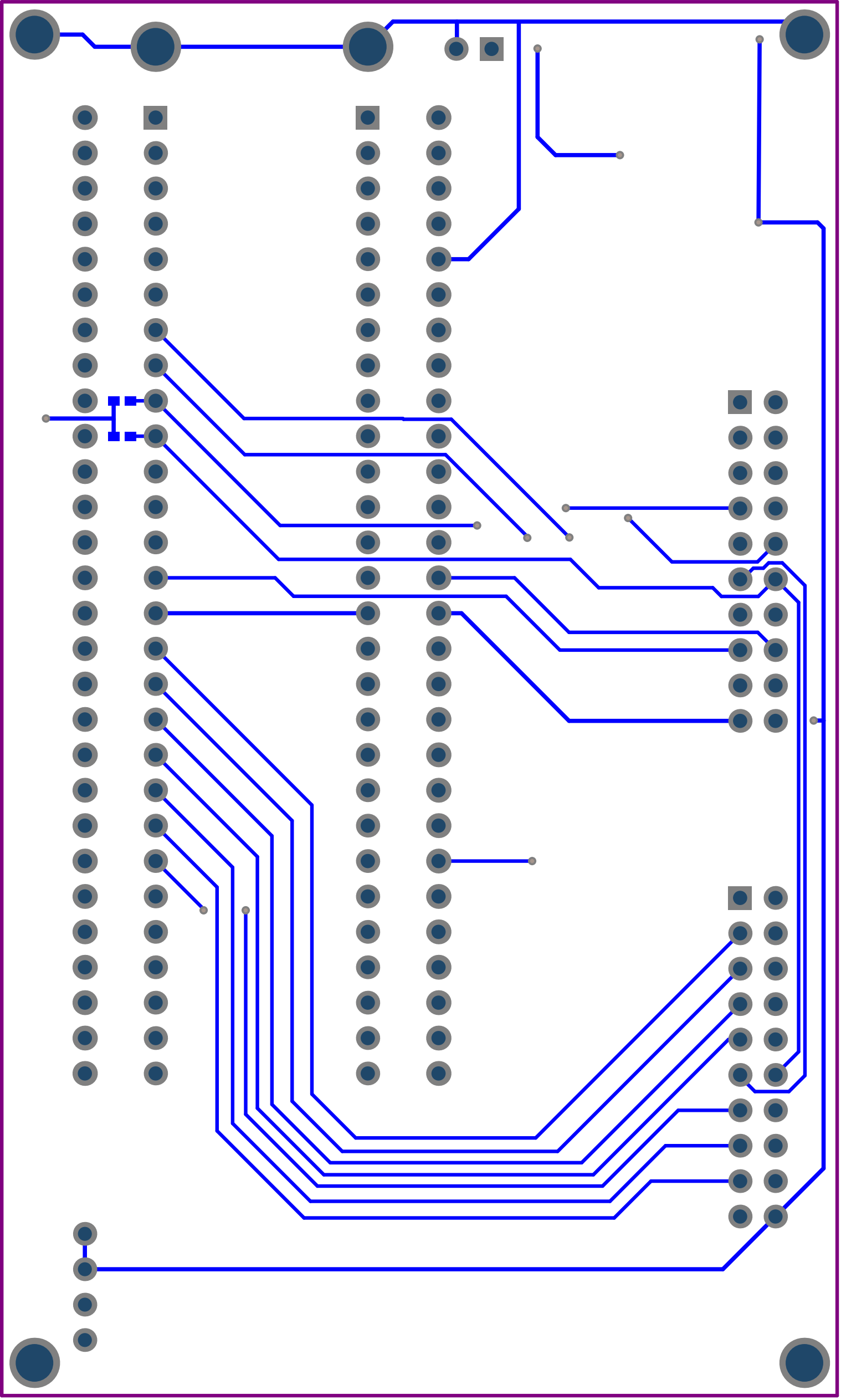
A08-3067 Rev 1











Component list

Bill of Materials Fitted For Project [Curiosity nano touch adapter.PrjPcb] (No PCB Document Selected)

Source Data From: Curiosity nano touch adapter.PrjPcb
Project: Curiosity nano touch adapter.PrjPcb
Variant: None



Report Date: 1/31/2020 4:36:20 PM
Print Date: 1/31/2020 4:35:55 PM

Fitted	Designator	Quantity	Value	Manufacturer	MPN	Description
Fitted	C4	1	4.7uF	YAGEO CORP	CC0805KKX7R7BB475	Ceramic capacitor, SMD 0805, X7R, 16V, 10%,
Fitted	D2	1	SML-310MTT86N	ROHM	SML-310MTT86N	LED, Green, 570nm, SMD 0603
Fitted	E1, E2, E3, E4	4	SJ-5076	3M	SJ-5076	2.8mm adhesive feet,diam 8.0mm
Fitted	J1, J2	2	1125-1210S0R138R1	WCON HARDWARE ELECTRONICS CO., LTD	1125-1210S0R138R1	Pin header, 2x10, Right Angle, 2.54mm, THM, Pin In Paste
Fitted	J3	1	1125-1102S0S113R1	WCON HARDWARE ELECTRONICS CO., LTD	1125-1102S0S113R1	1x2 pin header, 2.54mm pitch, Pin-in-Paste THM
Fitted	J4	1				
Fitted	J5, J6	2	2185-128SS0CUNT1	WCON	2185-128SS0CUNT1	1x28 receptacle pin socket, 2.54mm pitch THM, BULK packaging
Fitted	LABEL100	1	Label PCBA	ACT Logimark AS	505462	PCBA identification label PP Top White Gloss
Fitted	PCB1	1	Curiosity nano touch adapter PCB documentation			Curiosity nano touch adapter PCB documentation
Fitted	PCBADOC1	1	Curiosity nano touch adapter test Documentation			Curiosity nano touch adapter test Documentation
Fitted	PCBADOC2	1	Curiosity nano touch adapter PCBA			Curiosity nano touch adapter PCBA Documentation
Fitted	R1	1	470R	ASJ	CR10-4700-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R12, R14	2	0R	(n/a)	RMCF0402ZT0R00	RES 0.0 OHM 1/16W 0402 SMD
Fitted	R8	1	100k	ASJ	CR10-1003-FK	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	R9, R10	2	10k	vishay	CRCW040210K0FKED	Thick film resistor, SMD 0402, 1/16W, 1%
Fitted	SW1	1	JS202011SCQN	C&K Components	JS202011SCQN	Slide Sw itch, C&K, 2 Pos 2 Pol, SMD
Fitted	TEST1	1	Curiosity nano touch adapter test software			Fixture egg Test Curiosity nano touch adapter
Fitted	U2	1	ATSHA204A SWI UDFN8	ATMEL	ATSHA204A-MAHCZ-T	ATSHA204A with 1-wire interface and UDFN8 package

Approved	25	Notes