

Diagram showing the connections for Header 4 (P1) of the P1 module. The connections are:

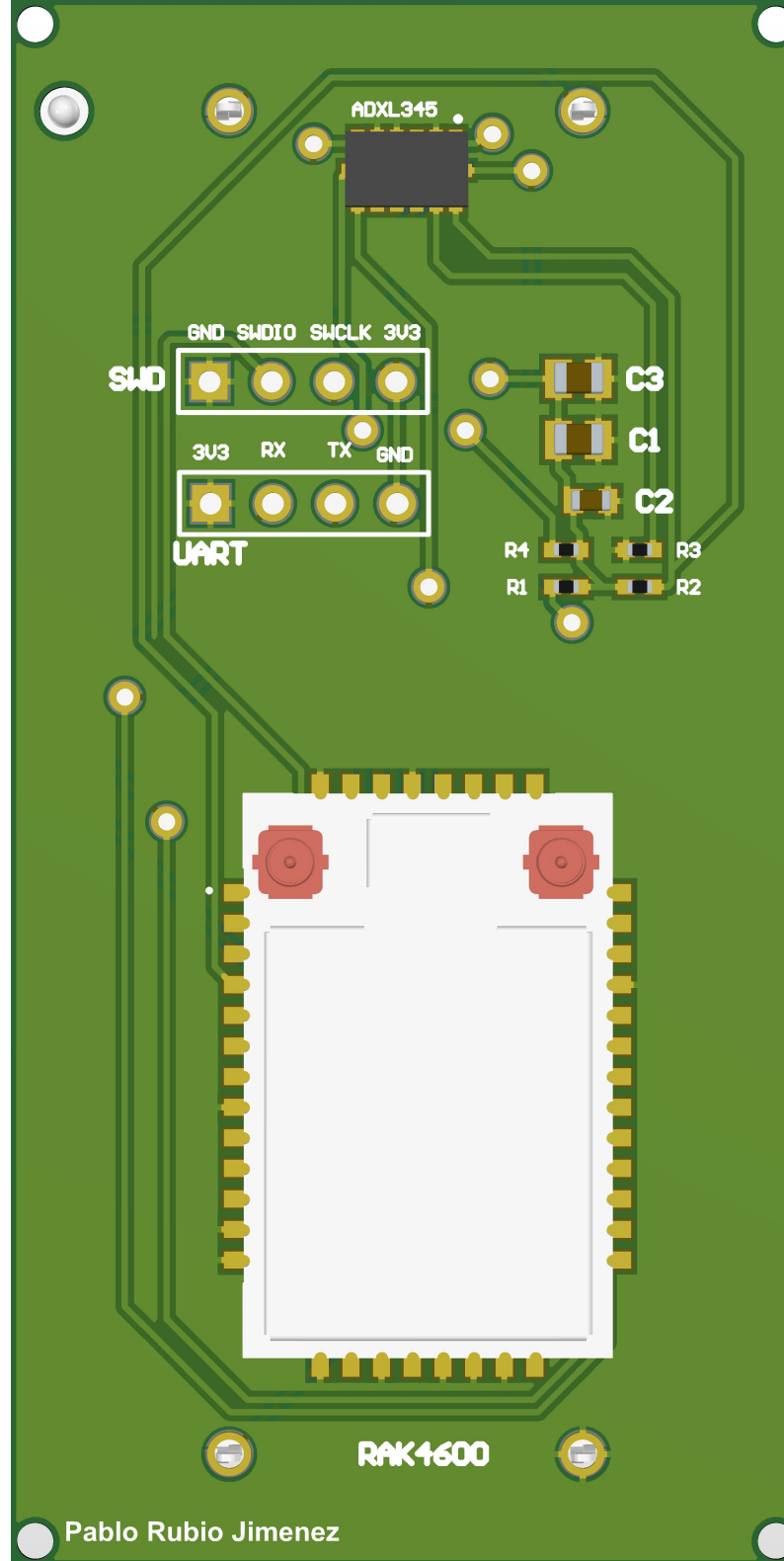
- Pin 4: SWCLK (connected to 3V3)
- Pin 3: SWDIO
- Pin 2: SWDIO
- Pin 1: GND

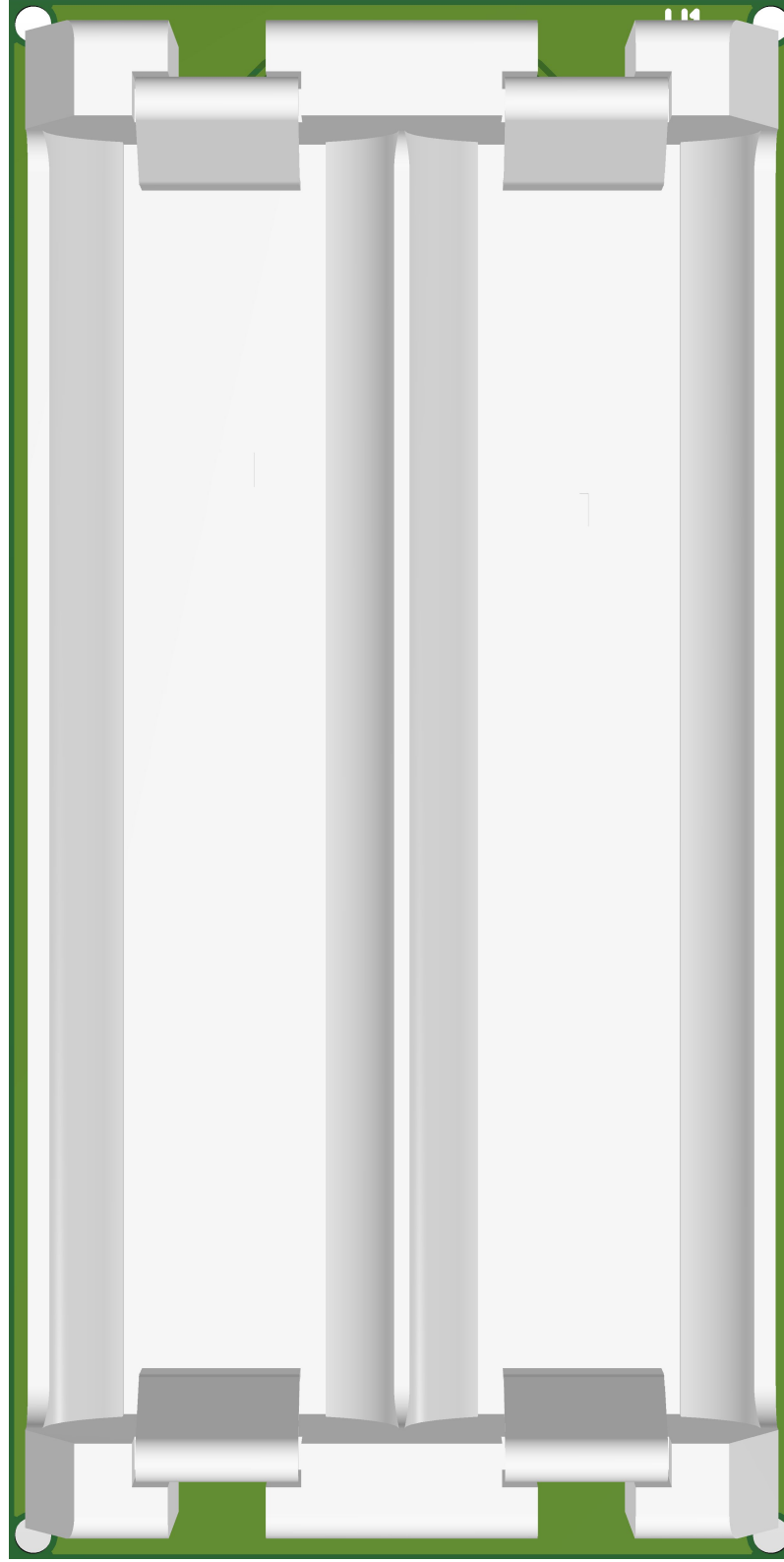
The diagram shows the ADXL345 BCCZ-RL module connected to a Raspberry Pi 4B. The module's pins are connected as follows:

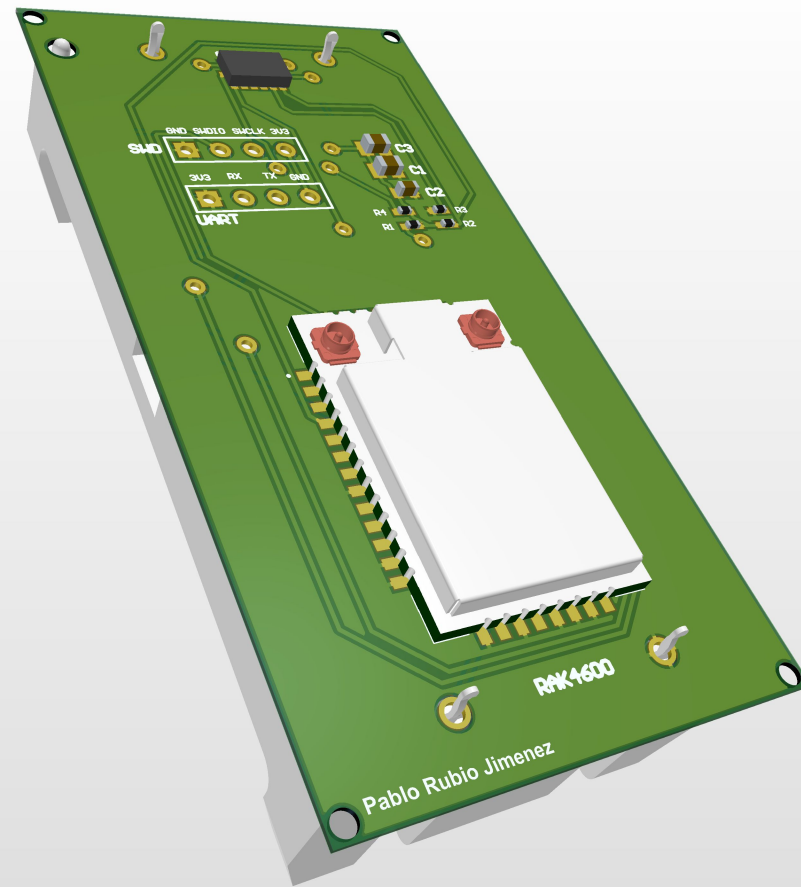
- Pin 1:** Connected to 3V3 through a 10k resistor (R1).
- Pin 2:** Connected to 3V3 through a 0.1uF capacitor (C1).
- Pin 3:** Connected to GND.
- Pin 4:** Connected to GND.
- Pin 5:** Connected to 3V3.
- Pin 6:** Connected to GND.
- Pin 7:** Connected to GND.
- Pin 8:** Connected to GND.
- Pin 9:** Connected to GND.
- Pin 10:** Connected to GND.
- Pin 11:** Connected to GND.
- Pin 12:** Connected to GND.
- Pin 13:** Connected to SDA.
- Pin 14:** Connected to SCL.

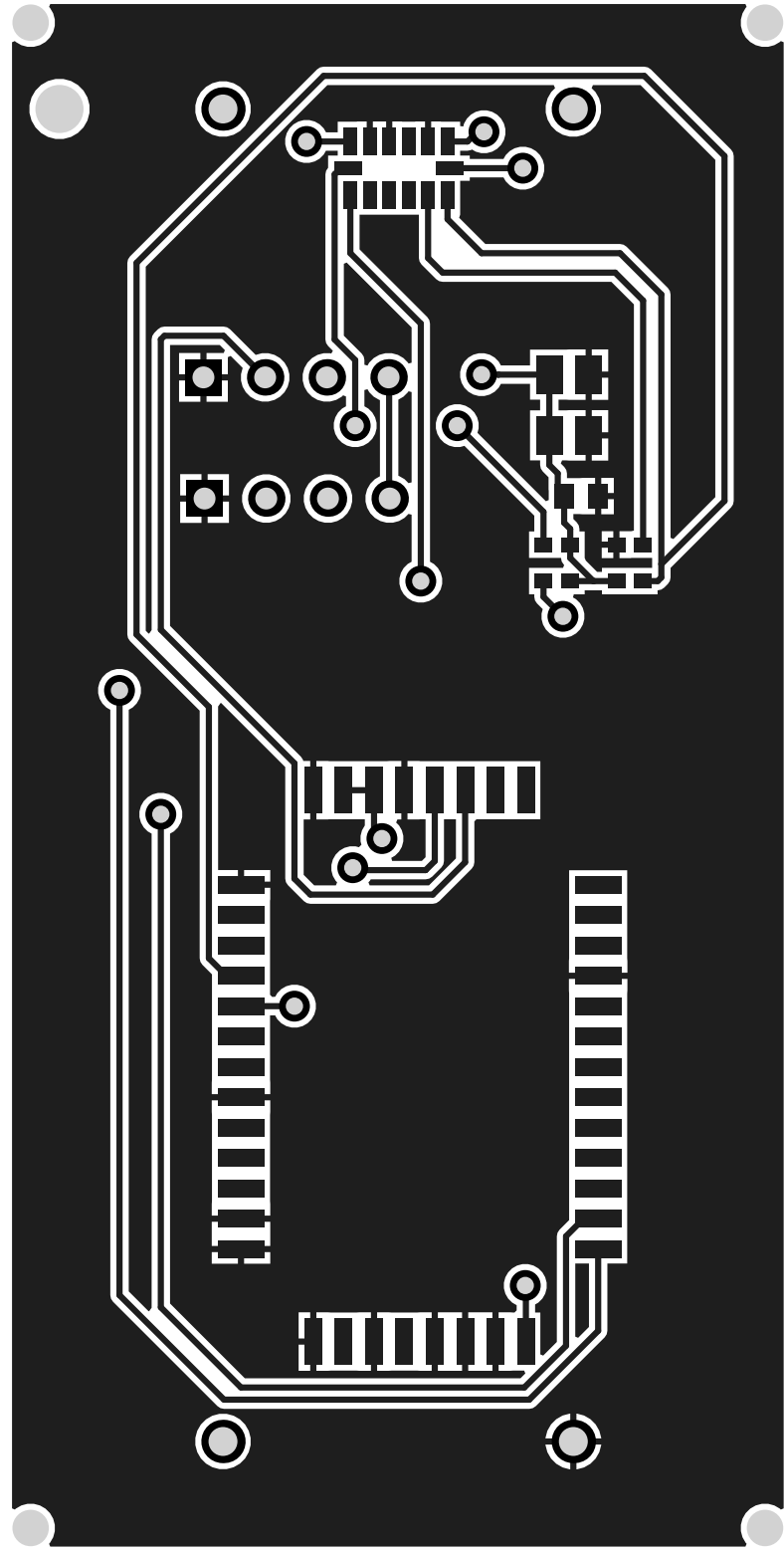
The module is labeled 'IC2 ADXL345BCCZ-RL'.

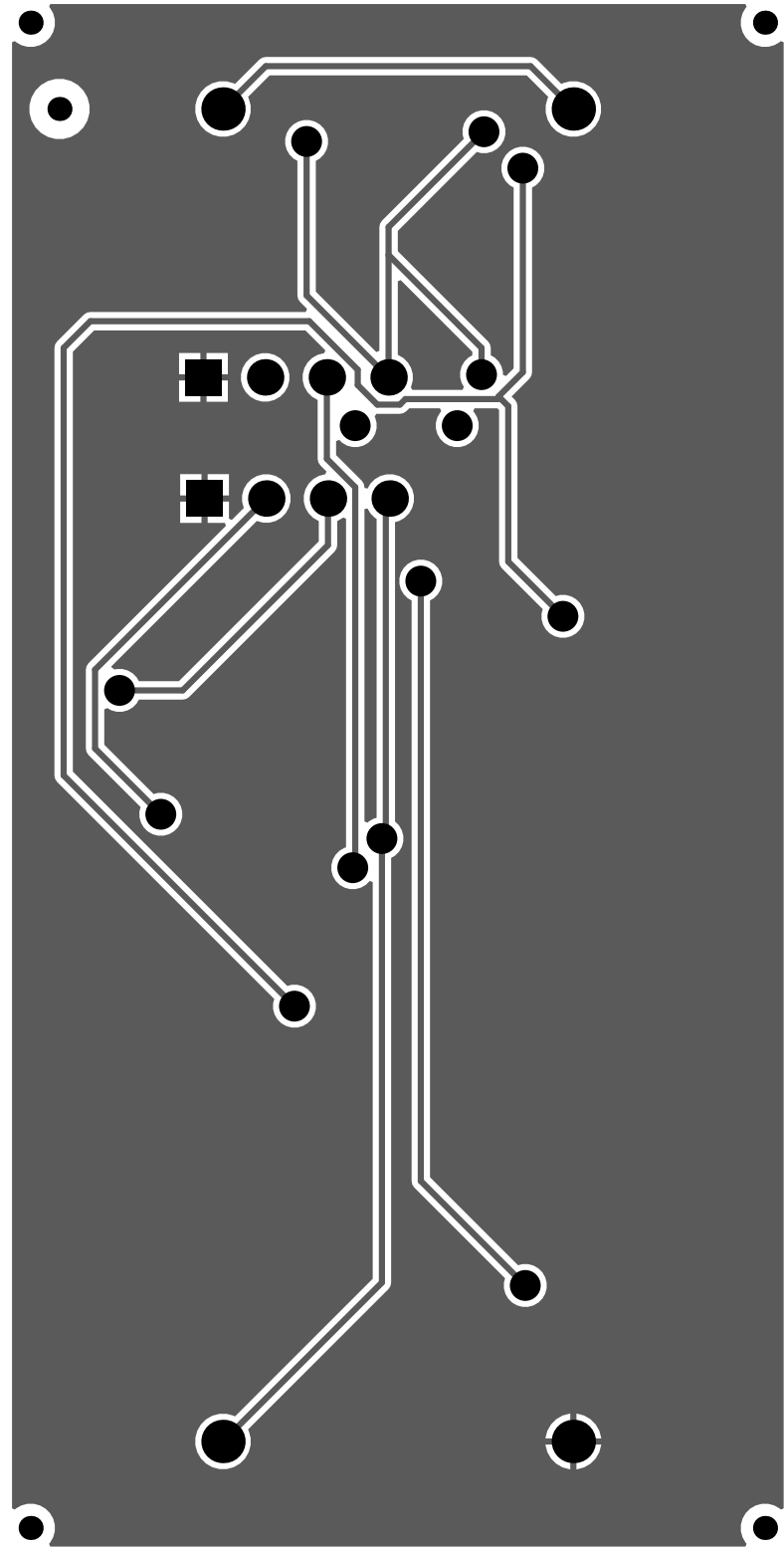
<p>Title</p> <p>Diseño Electrónico Dispositivo</p>		
<p>Size</p> <p>A4</p>	<p>Number</p>	<p>Revision</p>
<p>Date:</p> <p>File:</p>	<p>6/03/2021</p> <p>C:\Users\...\Esquema_Dispositivo.SchDoc</p>	<p>Sheet of</p> <p>Drawn By: Pablo Rubio Jiménez</p>











Bill of Materials

**Altium**  
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USA

Project Title: Bill of Materials for BOM Document [TFG\_Dispositivo.BomDoc]  
Project File Name: TFG\_Dispositivo.PrjPcb  
Assembly Variant: None

Part Number	Description	Designator	Manufacture	Manufacture Part Number	Supplier	Supplier Part Number	Supplier Unit Price	Quantity
C0805X104M5RA	Capacitor	C1, C3	KEMET	C0603C104K5RACTU	Digi-Key	399-5089-1-ND	\$0.12	2
0603ZD106KAT2A	Capacitor	C2	KEMET	C1210C106Z4VACTU	Digi-Key	399-1272-6-ND	\$0.57	1
RAK4600	Integrated Circuit	IC1	RAKWireless	-	RAKWireless	-	\$9.70	1
ADXL345BCCZ-RL	Integrated Circuit	IC2	Analog Devices	ADXL345BCCZ-RL7	Mouser	584-ADXL345BCCZ-R7	\$6.23	1
Header 4	Header, 4-Pin	P1, P2	Würth Electronics	61300411121	Digi-Key	732-5317-ND	\$0.18	2
CPF0402B10KE	Resistor	R1, R2, R3, R4	Vishay	CRCW060310K0FKEA	Digi-Key	541-10.0KHCT-ND	\$0.04	4
1013	Undefined or Miscellaneous	U1	Keystone Electronics	1013	Digi-Key	36-1013-ND	\$4.64	1
							\$21.48	12

Approved	Notes
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