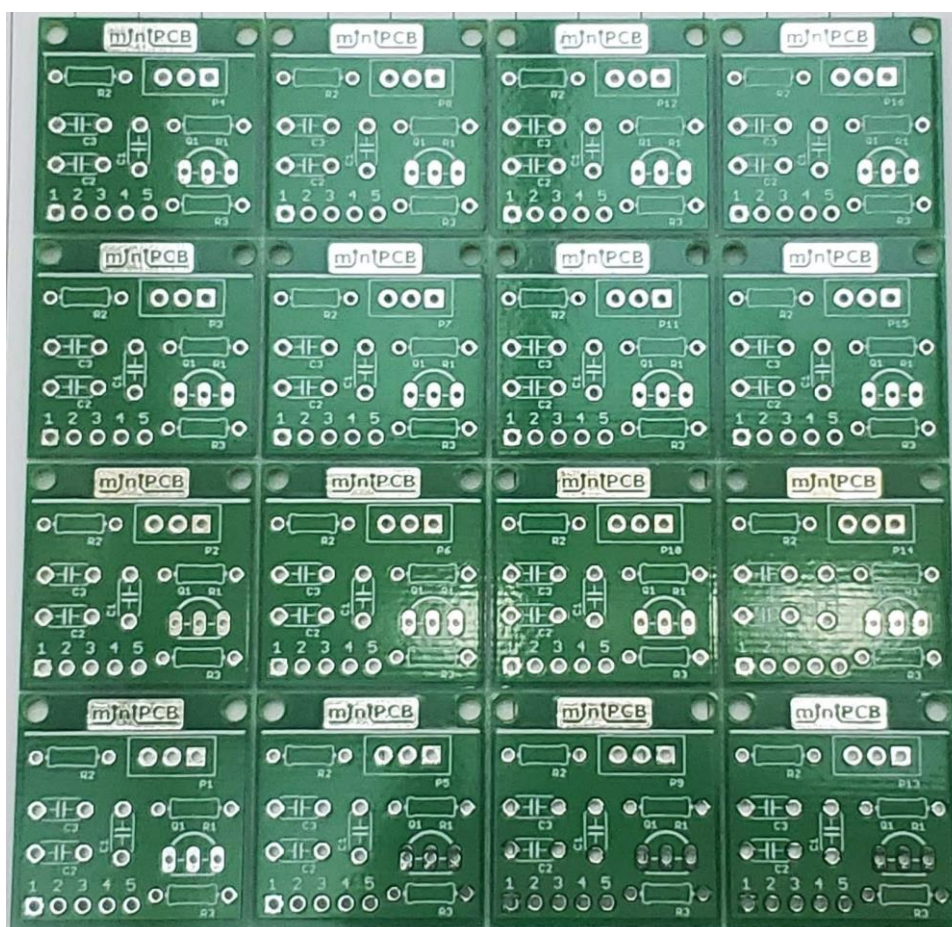


Emitter Follower Amplifier

General Information

- **Group:** Transistor Amplifiers (04B)
- **Circuit:** Emitter Follower Amplifier
- **Variant:** NPN, THD, DC bias trimpot
- **Pieces per Panel:** Sixteen (16)
- **Description:** High quality PCB panel with v-scores to easily separate the pieces.

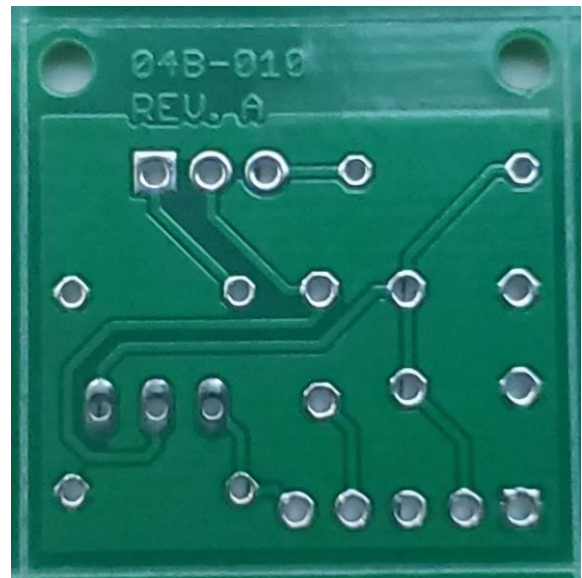
Panel



Single Board

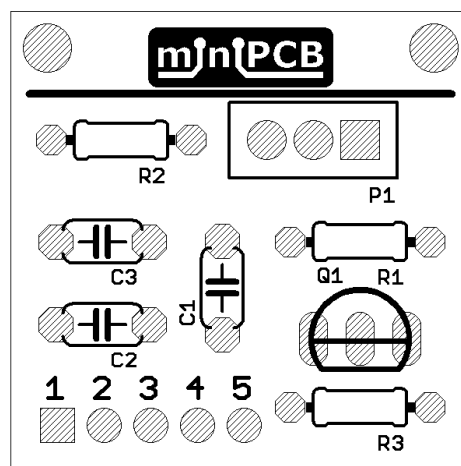


Top (Component) Side

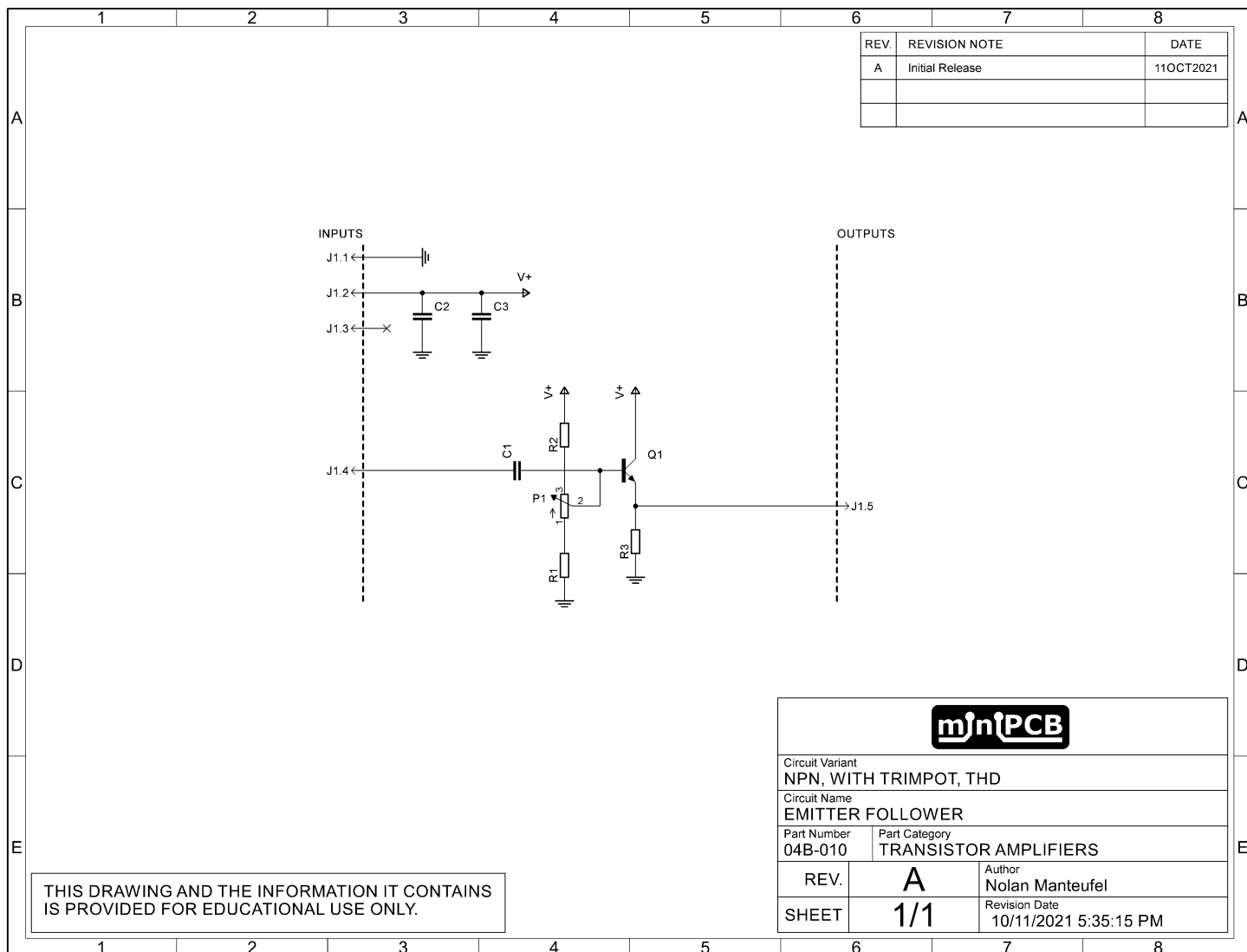


Bottom (Solder) Side

Part Locations



Schematic



Student Name:	Date:
Class:	Assignment:

Part List

#	Name	Type	Footprint	Values	Notes
1	R1	Resistor	7mm pitch		
2	R2	Resistor	7mm pitch		
3	R3	Resistor	7mm pitch		
4	C1	Capacitor	5mm pitch		
5	C2	Capacitor	5mm pitch		
6	C3	Capacitor	5mm pitch		
7	Q1	Transistor	TO92		Pinout (123: EBC SGD)
8	J1	Header Pins	5-pin	N/A	0.1" pitch (distance between pins)

Performance Characteristics

Parameter	Units	Target	Measured	Notes
Supply Voltage	VDC			
Quiescent Current	mA			
Input Impedance	Ohms			Measure near the center of the frequency pass band.
Output Impedance	Ohms			
Low Freq. -3dB	Hz			
High Freq. -3dB	Hz			
Voltage Gain, A_v	$V_{out} \div V_{in}$			Measure near the center of the frequency pass band.
Current Gain, A_i	$I_{out} \div I_{in}$			
Power Gain, A_p	$A_v \times A_i$			



DATASHEET

Part Number 04B-010

Rev. DRAFT

Revision Date: 17 November 2021

Supporting Documents

#	Doc. No.	Document Type	Document Title
1	DN.001	Design Notes	Selecting Parts for Your miniPCB

Revision History

Revision	Note	Date
A	Initial Release	DDMMYYYYY

Document Control

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Document No. 04B-010
Revision DRAFT
File Location C:\datasheets
User ID nolan
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Datetime 20211117000202