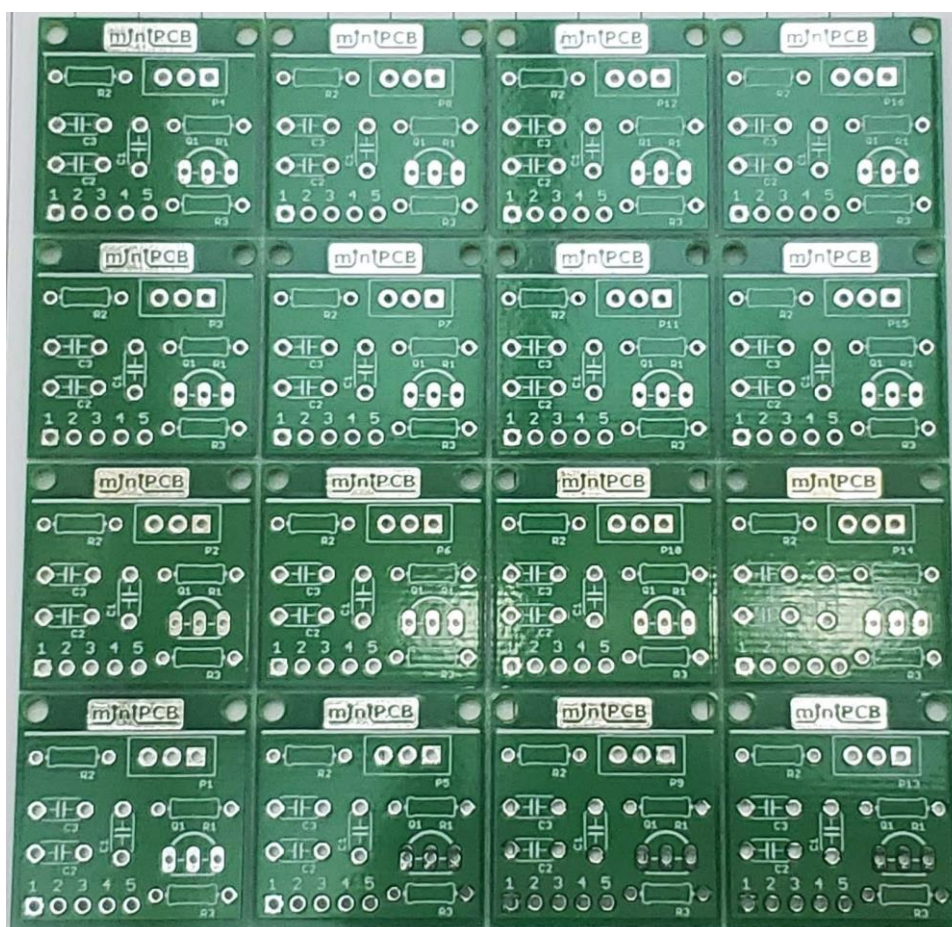


# Emitter Follower Amplifier

## 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.

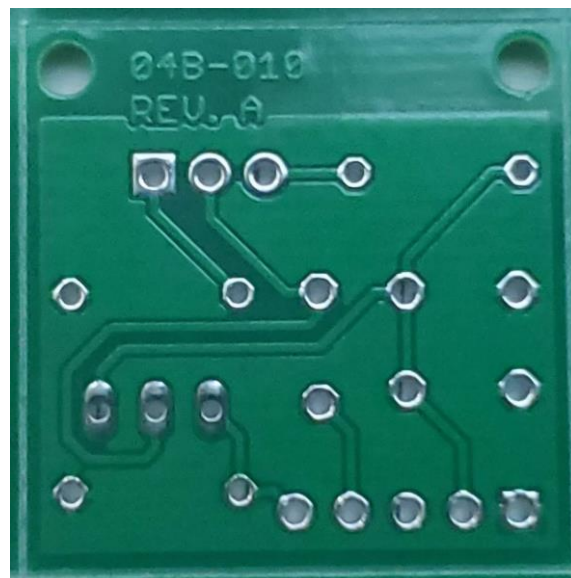
## Panel



## Single Board

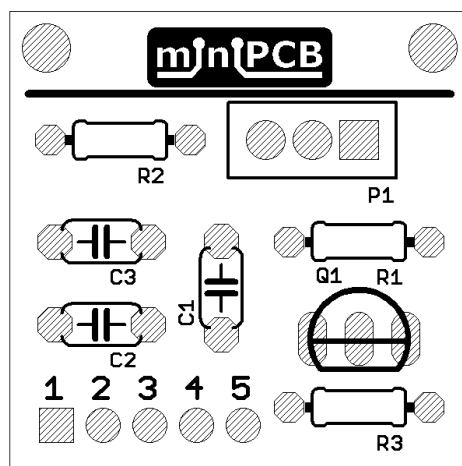


Top (Component) Side

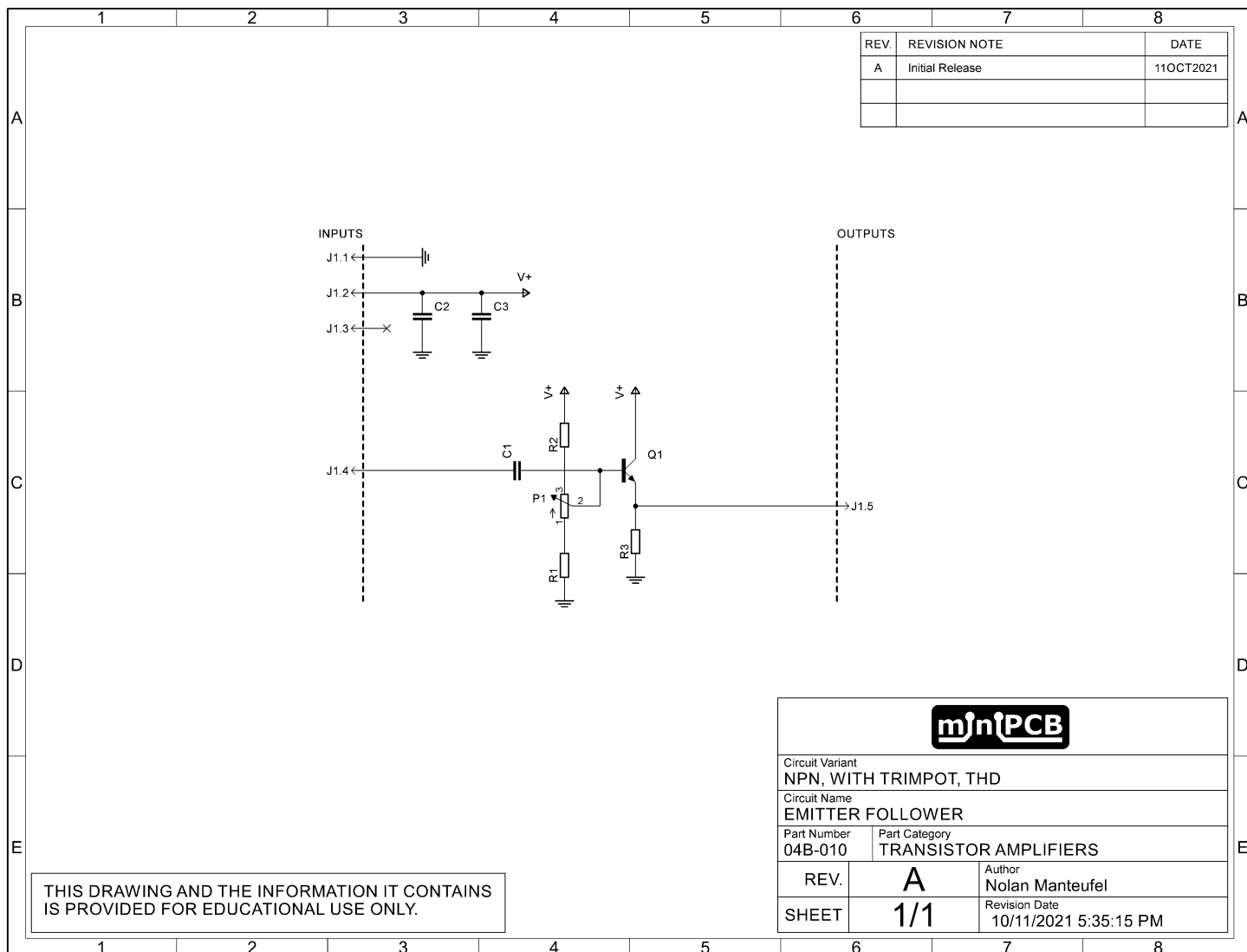


Bottom (Solder) Side

## 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, $A_p$	$A_v \times A_i$			

## 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  
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