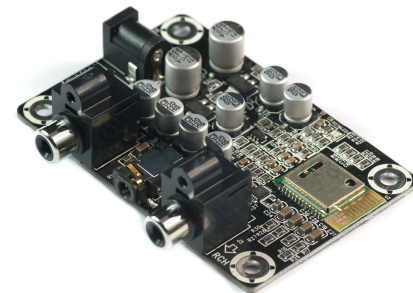


# Audio Receiver Series

## APT-X Bluetooth V4.0 Audio Receiver Board (AA-AB41136)



### Key Features:

- APT-X Decoding Algorithm
- Wide Frequency Range
- Single-end Audio Signal Output
- LED Status Indicator
- External Power and Signal Output Connector
- Anti-reverse Function
- Audio output distortion degree of 0.5% or less
- Size:3"X2"

### Electrical Specifications

Specifications typical @ +25°C, Powered by 12V DC, unless otherwise noted. Specifications subject to change without notice.

Parameter	Conditions	Min.	Typ.	Max.	Units
Power Supply	-	8	12	14	VDC
Degree of Audio Output Distortion	-	≤0.5			%
Quiescent Current	V <sub>in</sub> =12V	-	10	-	mA
Maximum Current	-	-	0.5	-	A
BT Wireless Range	Class 2	0	-	10	M
Operating Temperature	-	-	20	50	°C
Storage Temperature	-	-20	20	105	°C
Thermal Temperature	-	-	150	-	°C

### Model Selection Guide

Model Number	Input						Output				Dimension
	BT	I2S	S/PDIF	USB Codec	Isolated Analog	High Level Speaker	RCA Analog	3.5mm Analog	I2S	S/PDIF	
AA-AA21111				Y			Y	Y		Y	3"X2"#1
AA-AB41133			Y						Y	Y	3.6"X2.7"#2
AA-AB41131		Y					Y	Y			3"X2"
AA-AB41132	Y						Y	Y			3"X2"
AA-AB41136	Y						Y	Y			3"X2"
AA-AA11422					Y	Y	Y				3.6"X2.7"

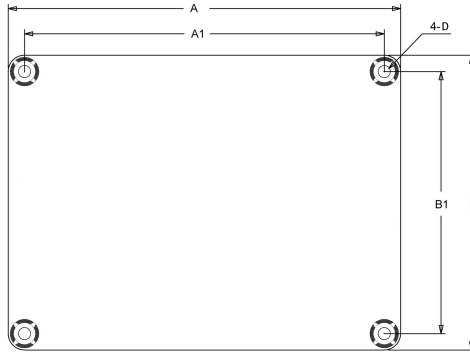
## Environmental Conditions:

- Humidity: 5-85% RH Non-condensing
- Operating Temperature Ambient: 0°C to +55°C
- Storage Temperature: -40°C to 85°C

All these boards are per-tested with our power supply solution. For all customers who need those information, please contact our distributor or Sure Electronics. RoHS compliant will need an MOQ of 1000pcs per order.

FC CE  
RoHS

## Mechanical Dimensions

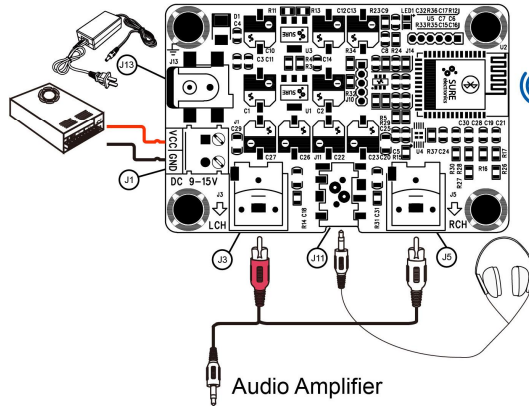


Dimension	A (inch/mm)	A1 (inch/mm)	B (inch/mm)	B1 (inch/mm)	D (inch/mm)
#1	3.0/ 76.2	2.7/ 68.6	2.0/ 50.8	1.7/ 43.2	0.14/ 3.6
#2	3.6/ 100.3	3.3/ 83.8	2.7/ 68.6	2.4/ 61.0	0.14/ 3.6

### Notes:

- All dimensions are typical in inches (mm)
- Tolerance x.xx = ±0.02 (±0.50)

## Connections



### Power Supply Connector:

- J13 DC Jack 5.5mm/2.5mm
- J1 Terminal Block RJ128 (optional)

### Audio Amplifier Input Connector

- J3, J5 RCA Jack
- J11 3.5mm Headphone Jack

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