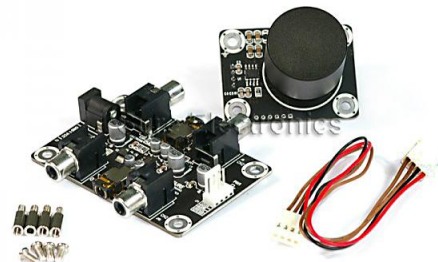


# Audio Receiver Series

## Digital Stereo Audio Volume Control Board Starter (AA-AB41134)



### Key Features:

- Single-end Audio Signal Output
- LED Status Indicator
- External Power and Signal Output Connector
- Anti-reverse Function
- Several wiring methods
- Excellent heat dissipation
- Size:3"X2"

### Environmental Conditions:

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

### Electrical Specifications

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

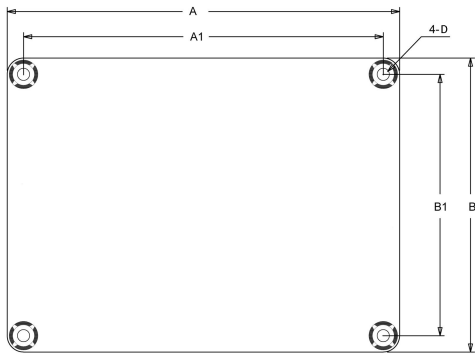
Parameter	Conditions	Min.	Typ.	Max.	Units
Power Supply	-	-	12	-	VDC
Maximum Current	-	-	0.5	-	A
Quiescent Current	-	-	10	-	mA
Operating Temperature	-	-	20	50	°C
Storage Temperature	-	-20	20	105	°C
Thermal Temperature	-	-	150	-	°C

### Electrical Specifications of M62429

Condition:  $V_{CC}=5V$ ,  $T_a=25^{\circ}C$ , unless otherwise noted

Parameter	Conditions	Min.	Typ.	Max.	Units
Maximum Output Voltage	THD=1%	0.8	1.3	-	Vrms
Output Noise Voltage	$A_{TT}=0, R_g=0, JIS-A$	-	4	10	$\mu V_{rms}$
	$A_{TT}=-, R_g=0, JIS-A$	-	5	10	$\mu V_{rms}$
Total Harmonic Distortion	$f=1KHz, V_o=0.5V_{rms}, A_{TT}=0$	-	0.01	0.05	%
Channel Separation	$f=1KHz, JIS-A$	-	-80	-70	dB

## Mechanical Dimensions



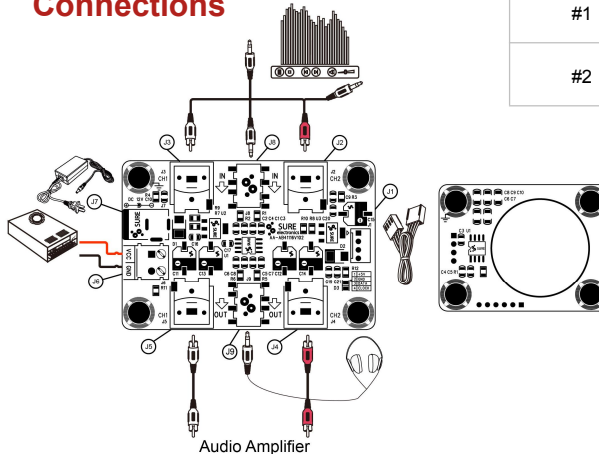
## Model Selection Guide

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"

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

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.

## Connections



### Notes:

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

### Power Supply Connector:

- J7 DC Jack 5.5mm/2.5mm
- J6 Terminal Block RJ128 (optional)

### Audio Source Input Connector

- J2, J3 RCA Jack
- J8 3.5mm Headphone Jack

### Audio Amplifier Input Connector

- J4, J5 RCA Jack
- J9 3.5mm Headphone Jack

### Rotary Encoder Connector

- J1 4Pin cable

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