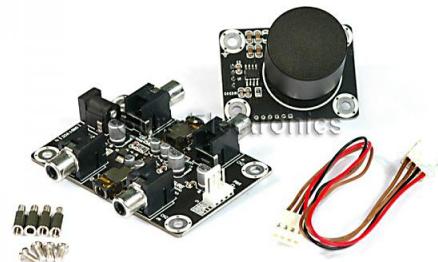


Audio Receiver Series

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.

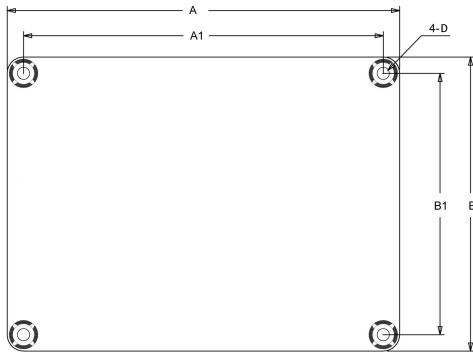
Parameter	Conditions	Min.	Typ.	Max.	Units
Power Supply	-	-	12	-	VDC
Maximum Current	-	-	0.5	-	A
Quiescent Current	-	-	10	-	mA
Operating Temperature	-	-	20	50	°C
Storage Temperature	-	-20	20	105	°C
Thermal Temperature	-	-	150	-	°C

Electrical Specifications of M62429

Condition: Vcc=5V, Ta=25°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	μVrms
	A _{TT} =-, R _g =0, JIS-A	-	5	10	μVrms
Total Harmonic Distortion	f=1KHz, V _o =0.5Vrms, A _{TT} =0	-	0.01	0.05	%
Channel Separation	f=1KHz, JIS-A	-	-80	-70	dB

Mechanical Dimensions



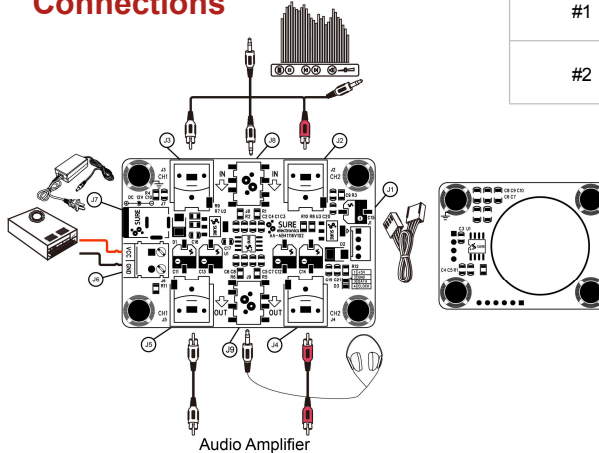
Model Selection Guide

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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