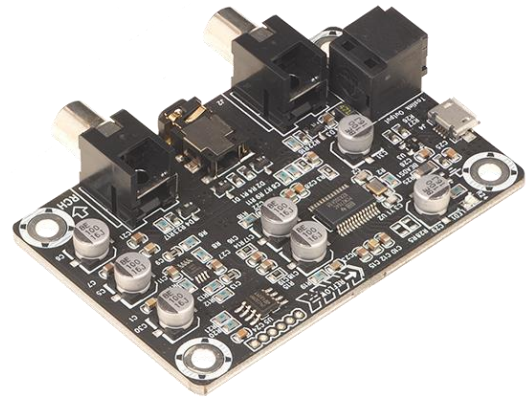


Signal Transceiver Series

USB Codec to Analog S/PDIF Output Converter (AA-AA21111)



Key Features:

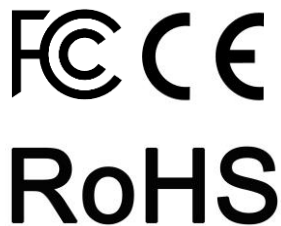
- Universal Micro USB for Power Supply and Audio Data Transfer
- Fully Compliant with USB 2.0 Specification
- Driver Free and Support Windows and Mac OS
- RCA & 3.5mm Headphone Output
- S/PDIF Optical Output
- 16-Bit Delta-Sigma Stereo DAC
- Sampling Rates: 32 kHz, 44.1 kHz, 48 kHz

Distributors:



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

Ready for:



Contact info

• Email:
info@sure-electronics.com



Electrical Specifications

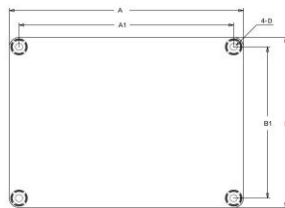
Specifications typical @ +25°C, Powered by 5V DC, unless otherwise noted. Specifications subject to change without notice.

Parameter	Conditions	Min.	Typ.	Max.	Units
Power Supply	-	4.35	5	5.25	VDC
Idle Power	No Audio Input	-	0.025	0.03	W
Maximum Current	-	-	0.5	-	A
Sample Rate	-	32, 44.1, 48			kHz
Resolution	-	16			Bits
Output Level (RMS)	@ 16Ω, 1kHz, THD+N 0.1%	1.3	1.4	1.7	V
Bandwidth @ -3dB	-	20	-	20k	Hz
Digital Output	-	Optical			
USB DAC Device Name	-	Sure USB DAC1			

Model Selection Guide—Signal Transceiver Series

SKU	Signal Conversion	Power Supply Range	Chip	PCB Size
AA-AB41161	Analog to I2S	DC 9-15V	CS5343	3.6" x 2.7" #1
AA-AB41133	S/PDIF and IIS/I2S	DC 9-15V	WM8804	3.6" x 2.7"
AA-AB41131	IIS/I2S to Stereo Analog	DC 9-15V	CS4334	3.6" x 2.7"
AA-AA21111	USB Codec Analog S/PDIF Output	DC 5V	PCM2706	3" x 2" #2

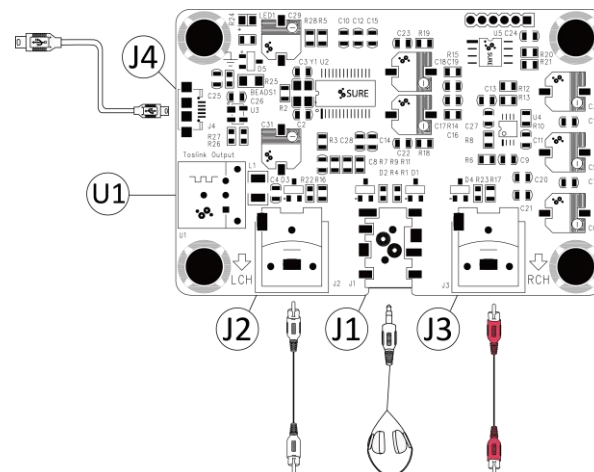
Mechanical Dimensions



Dimension	A (inch/mm)	A1 (inch/mm)	B (inch/mm)	B1 (inch/mm)	R (inch/mm)
#1	3.60/91.4	3.30/83.8	2.70/68.6	2.40/61.0	0.14/3.6
#2	3.00/76.2	2.70/68.6	2.00/50.8	1.70/43.2	0.14/3.6

Notes: 1. All dimensions are typical in inch(mm); 1. Tolerance x.xx=±0.02(±0.50)

Connections



Power Supply & Audio Data Transfer
J4, Micro USB port

S/PDIF Optical Output
U1, Toslink Output

Analog Output
J2, J3 RCA output
J1, 3.5mm headphone output jack

Sure Electronics

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