



# Bi-Amped, 2.2.1 Channel, 175W, PCB Style Amplifier



A high flexibility amplifier configured for bi-amped sound systems. This design allows mid-range channels and tweeter channels to each have their own amplifier settings for complete customization. Add an expansion port for two more amplified channels. This amplifier supports Butterworth, Linkwitz-Riley, and Bessel filter types. Each stereo pair has level offset and phase control to maintain high quality listening in your sound projects.

## Additional Specifications

<b>Applications</b>	Arcade Gaming, Casino Gaming, Pro Sound
<b>RoHS Compliant</b>	Yes
<b>Amplifier Class Style</b>	Class D
<b>4 Ohm Power (HF/MF/LF) (W)</b>	14 / 14 / n/a
<b>8 Ohm Power (HF/MF/LF) (W)</b>	09/09/1934
<b>THD+N (% @Power, @Load, @Supply Voltage)</b>	HF: 0.14% @ 5.86 Watts @ 8 Ohms @ 24 VDC MF: 0.2% @ 23 Watts @ 8 Ohms @ 24 VDC LF: 0.2% @ 23Watts @ 8 Ohms @ 24 VDC
<b>Frequency Response (HF/MF/LF) (+/-1dB @ 1W) (Hz)</b>	400 - 18,000 / 22 - 9,000 /
<b>Analog Input Sensitivity (VRMS)</b>	3
<b>Connectors / Termination - Line Input</b>	8-Pin MFJ 1x RCA (digital) USB
<b>Connectors / Termination - Speaker Output</b>	16-pin MFJ
<b>PCB Size (W x L) (mm)</b>	108 x 182
<b>Recommended Voltage (VDC)</b>	24
<b>Recommended Current (A)</b>	3.75
<b>Recommended Power (W)</b>	90

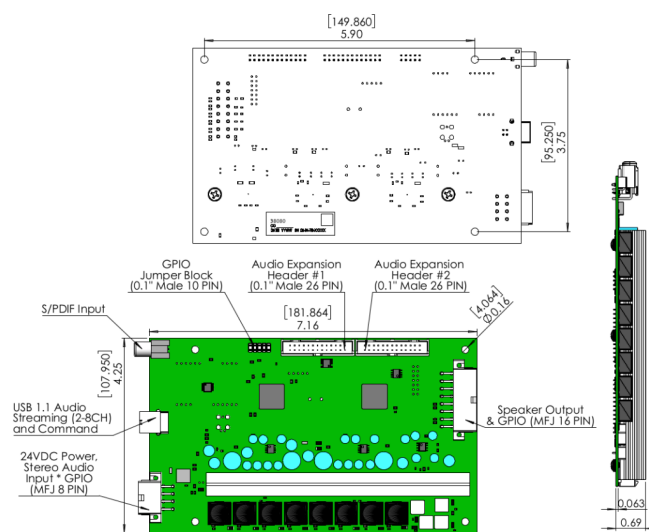
Part #: 31040213 Model #: 38080

## Key Features

- 2.2.1 channel, class-D
- 175 watt, PCB style
- Customizable bi-amp DSP configuration
- High flexibility for different outputs, inputs
- Butterworth, Linkwitz-Riley, and Bessel filter types

## Primary Specifications

<b>Amplifier Style</b>	Printed Circuit Board
<b>Amplifier Channels</b>	2.2.1
<b>Watts Per Channel (HF/LF) (W)</b>	10 x 2 / 50 x 2 / 50
<b>Digital Signal Processing</b>	Yes
<b>Audio Input</b>	USB, S/PDIF digital coaxial, analogue



## Additional Specifications

<b>PSU Plug Type</b>	8-pin MFJ
<b>Equalizers - EQs</b>	10-band EQ on each output
<b>Crossovers</b>	Yes, low pass, high pass, all pass
<b>Optional Plugin Effects</b>	Time alignment delay
<b>Cooling</b>	Convection/Air



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