

Front Panel POTs

0.1u

100K

1Meg

Vref

jfet

C=1nF R=16k068 2R=32k136

jfet HP 7kHz variable

6/12/18/24 dB/oct

1u

47K

TW

Tweeter B&G Neo 3PDR

>7KHz

open baffle

(No i/p buffer)

C=1nF 2C=2nF R=16k068

jfet LP 7kHz variable

6/12/18/24 dB/oct

1u

47K

Mid

SEAS FU10RB

4" 40hm

1KHz-7KHz

open baffle

(DC coupled)

0.1u

100K

1Meg

Vref

jfet

jfet HP 1kHz variable

6/12/18/24 dB/oct

C=10nF R=11k248 2R=22k496

Vbias

(no o/p Cap)

C=4n7 2C=10nF R=23k932

(No i/p buffer)

jfet LP 1kHz variable

6/12/18/24 dB/oct

1u

47K

W

Mid Woofer

SEAS 8" U22REX/P-SL

120Hz--1KHz

open baffle

(DC coupled)

0.1u

100K

1Meg

Vref

jfet

jfet HP 120Hz variable

6/12/18/24 dB/oct

C=68nF R=13K784 2R=27K568

Vbias

(no o/p Cap)

unused LP i/p buffer

1u

10u

100K

1u

1Meg

Vref

jfet

C=33n 2C=68nF R=28k403

jfet LP 120Hz variable

6/12/18/24 dB/oct

10u

47K

Bass

20-120Hz

Sub/Bass extra level adj

50K

opamp Buffer

x11

Driver/H Frame EQ

Linkwitz Transform 2 (inverting opamp)

$f_0=46\text{Hz}$, $Q_0=0.707$, $f_p=20\text{Hz}$
DC Gain=14.5dB @12dB/oct

open baffle EQ

Shelving Low Pass (inverting opamp)

20-300Hz 6dB/oct
DC gain=x15
AC gain=x1

x1

opamp & DC Block 2Hz

EQ

Subwoofer 4ohm
SEAS LR2604Y
H Frame OB EQ

4-WAY ASP SCHEMATIC WITH 3x PASS DIY BIAMP 6-24 VARIABLE CROSSOVER DIYAUDIO BOARDS Jan 2024
Nominal XO starting points @ 120Hz, 1kHz & 7kHz and 24dB/oct filter slopes.

