Channel 1

J_IN1
PJ301M-12
SIG
SW
GND

+12V

R5
100k
GND

U1
LM7321
3 +
5 V+
4 V-
2 -
1

R1
1k
OUT1

J_OUT1
PJ301M-12
SIG
SW
GND
OUT1

R9
100k
GND
GND

R13
100k
-12V

GND

Channel 2

J_IN2
PJ301M-12
SIG
SW
GND

+12V

R6
100k
GND

U2
LM7321
3 +
5 V+
4 V-
2 -
1

R2
1k
OUT2

J_OUT2
PJ301M-12
SIG
SW
GND
OUT2

R10
100k
GND
GND

R14
100k
-12V

GND

Channel 3

J_IN3
PJ301M-12
SIG
SW
GND

+12V

R7
100k
GND

U3
LM7321
3 +
5 V+
4 V-
2 -
1

R3
1k
OUT3

J_OUT3
PJ301M-12
SIG
SW
GND
OUT3

R11
100k
GND
GND

R15
100k
-12V

GND

Channel 4

J_IN4
PJ301M-12
SIG
SW
GND

+12V

R8
100k
GND

U4
LM7321
3 +
5 V+
4 V-
2 -
1

R4
1k
OUT4

J_OUT4
PJ301M-12
SIG
SW
GND
OUT4

R12
100k
GND
GND

R16
100k
-12V

GND

Power

PWR1
PWR_10_Pin
+12V   1
GND   2   GND
-12V   3

D1
FM4001   +12V

D2
FM4001   -12V

Decoupling

+12V

C1   C3   C5   C7
0.1uF 0.1uF 0.1uF 0.1uF

GND

C2   C4   C6   C8
0.1uF 0.1uF 0.1uF 0.1uF

-12V

Avalon Harmonics
Sheet: /
File: X2.kicad_sch
Title: Avalon Harmonics X2
Size: A4   Date:
KiCad E.D.A. 8.0.2
Rev: v1.0
Id: 1/1