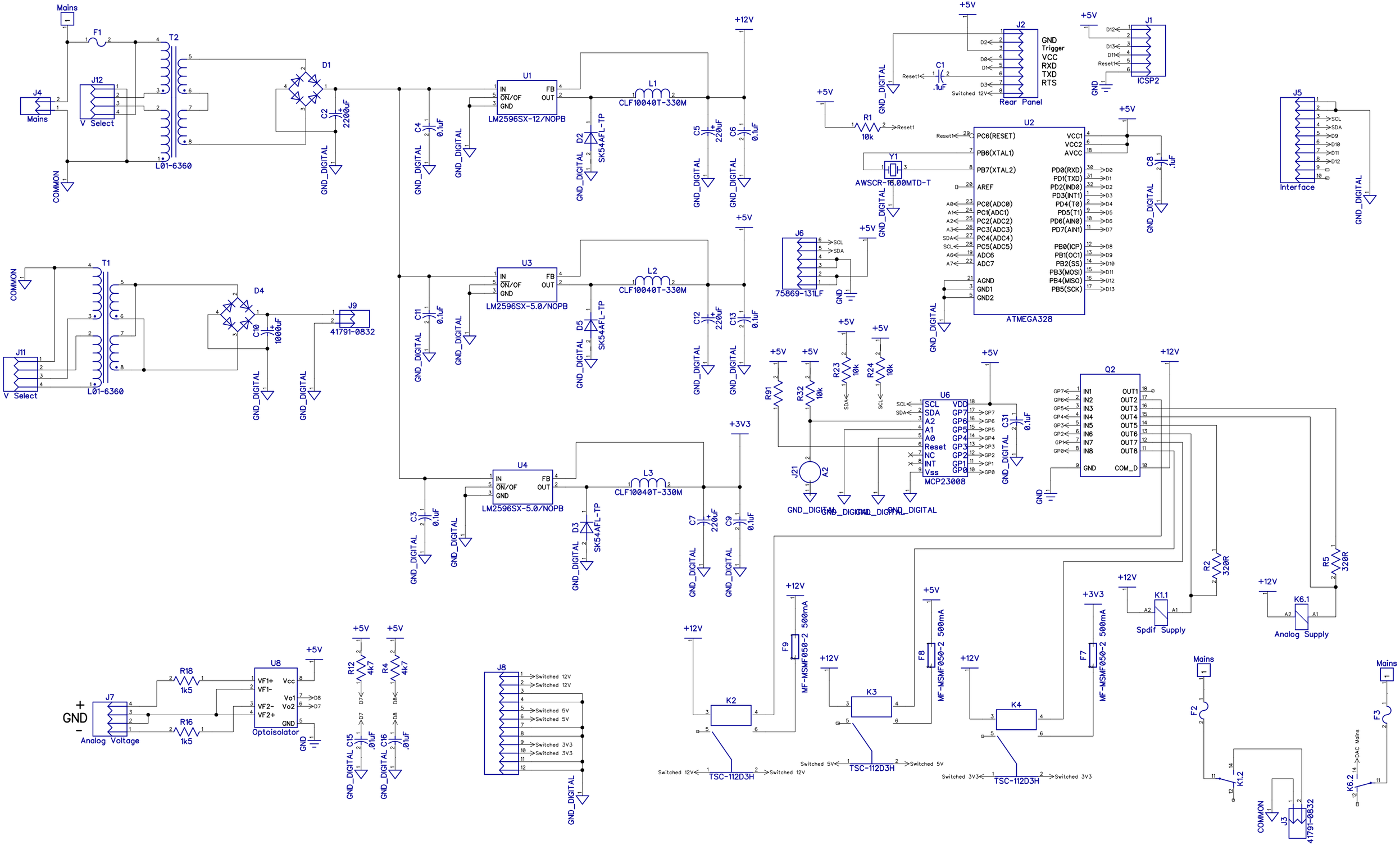
Mains
F1
T2
J4
Mains
J12
V Select
L01-6360
COMMON
D1
C2
2200uF
GND_DIGITAL
U1
IN
ON/OF
GND
FB
OUT
LM2596SX-12/NOPB
C4
0.1uF
L1
CLF10040T-330M
D2
SK54AFL-TP
C5
220uF
C6
0.1uF
+12V
T1
J11
V Select
L01-6360
D4
C10
1000uF
J9
41791-0832
U3
LM2596SX-5.0/NOPB
C11
0.1uF
D5
SK54AFL-TP
C12
220uF
C13
0.1uF
L2
CLF10040T-330M
+5V
U4
LM2596SX-5.0/NOPB
C3
0.1uF
D3
SK54AFL-TP
C7
220uF
C9
0.1uF
L3
CLF10040T-330M
+3V3
J2
GND
Trigger
VCC
RXD
TXD
RTS
Rear Panel
Switched 12V
C1
.1uF
Reset1
J1
ICSP2
R1
10k
U2
ATMEGA328
PC6(RESET)
PB6(XTAL1)
PB7(XTAL2)
AREF
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4)
PC5(ADC5)
ADC6
ADC7
AGND
GND1
GND2
VCC1
VCC2
AVCC
PD0(RXD)
PD1(TXD)
PD2(IND0)
PD3(INT1)
PD4(T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1)
PB2(SS)
PB3(MOSI)
PB4(MISO)
PB5(SCK)
Y1
AWSCR-16.00MTD-T
C8
.1uF
J5
Interface
J6
75869-131LF
R91
R32
10k
R23
10k
R24
10k
U6
MCP23008
SCL
SDA
A2
A1
A0
Reset
NC
INT
Vss
VDD
GP7
GP6
GP5
GP4
GP3
GP2
GP1
GP0
C31
0.1uF
J21
A2
Q2
IN1
IN2
IN3
IN4
IN5
IN6
IN7
IN8
GND
OUT1
OUT2
OUT3
OUT4
OUT5
OUT6
OUT7
OUT8
COM_D
R2
320R
R5
320R
K1.1
Spdif Supply
K6.1
Analog Supply
F9
MF-MSMF050-2 500mA
F8
MF-MSMF050-2 500mA
F7
MF-MSMF050-2 500mA
K2
K3
K4
TSC-112D3H
J7
Analog Voltage
R18
1k5
R16
1k5
U8
Optoisolator
VF1+
VF1-
VF2-
VF2+
Vcc
Vo1
Vo2
R12
4k7
R4
4k7
C15
.01uF
C16
.01uF
J8
Switched 12V
Switched 5V
Switched 3V3
F2
F3
K1.2
K6.2
J3
41791-0832
DAC Mains