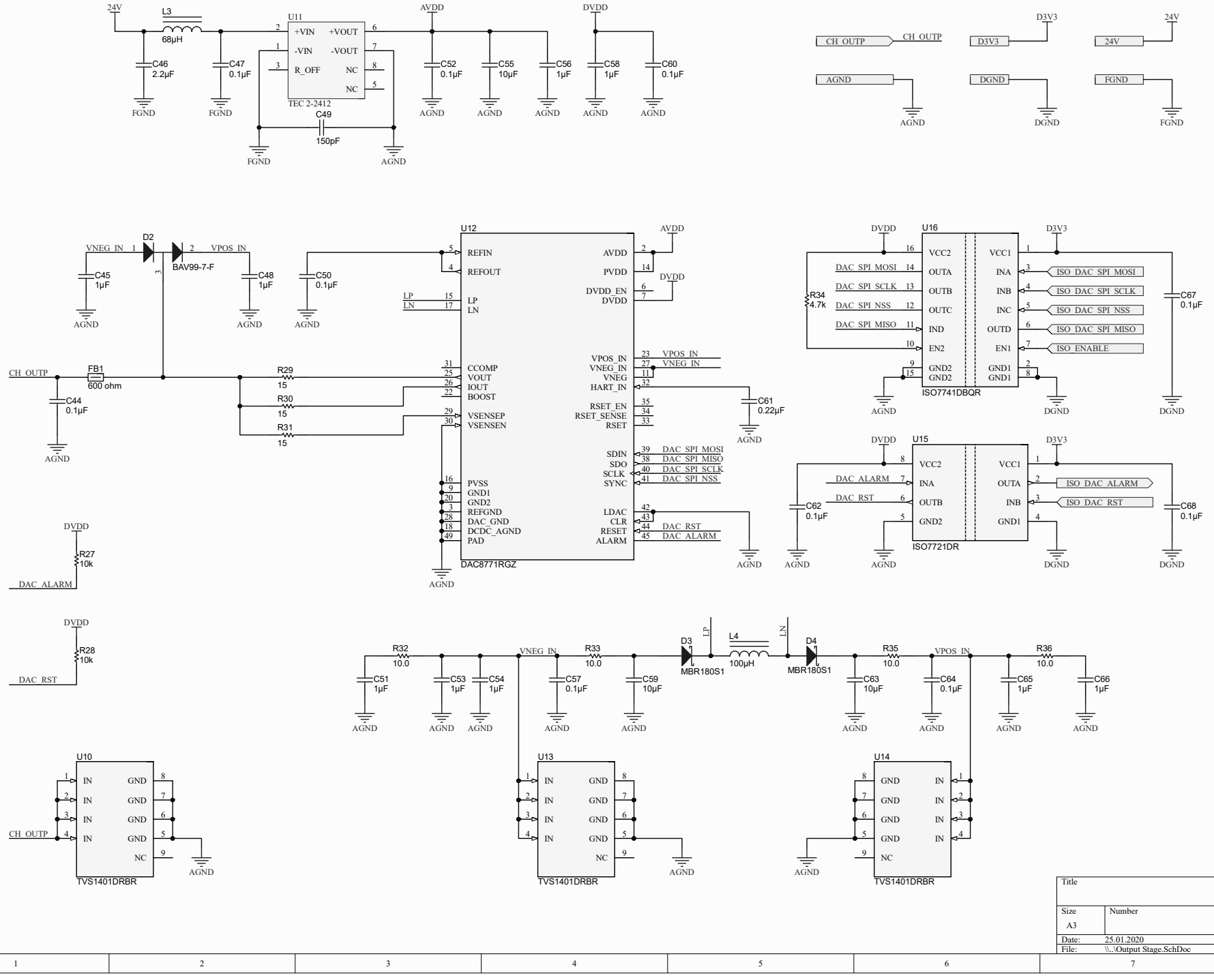
24V
L3
68µH
U11
+VIN
-VIN
R_OFF
+VOUT
-VOUT
NC
NC
TEC 2-2412
C46 2.2µF
C47 0.1µF
C49 150pF
C52 0.1µF
C55 10µF
C56 1µF
C58 1µF
C60 0.1µF
AVDD
DVDD
FGND
AGND
CH_OUTP
D3V3
24V
DGND
D2
BAV99-7-F
VNEG_IN
VPOS_IN
C45 1µF
C48 1µF
C50 0.1µF
U12
REFIN
REFOUT
LP
LN
AVDD
PVDD
DVDD_EN
DVDD
VPOS_IN
VNEG_IN
VNEG
HART_IN
RSET_EN
RSET_SENSE
RSET
SDIN
SDO
SCLK
SYNC
LDAC
CLR
RESET
ALARM
CCOMP
VOUT
IOUT
BOOST
VSENSEP
VSENSEN
PVSS
GND1
GND2
REFGND
DAC_GND
DCDC_AGND
PAD
DAC8771RGZ
FB1
600 ohm
C44 0.1µF
R29 15
R30 15
R31 15
C61 0.22µF
DAC_SPI_MOSI
DAC_SPI_MISO
DAC_SPI_SCLK
DAC_SPI_NSS
DAC_RST
DAC_ALARM
R27 10k
R28 10k
U16
VCC2
OUTA
OUTB
OUTC
IND
EN2
GND2
VCC1
INA
INB
INC
OUTD
EN1
GND1
ISO7741DBQR
R34 4.7k
C67 0.1µF
ISO_DAC_SPI_MOSI
ISO_DAC_SPI_SCLK
ISO_DAC_SPI_NSS
ISO_DAC_SPI_MISO
ISO_ENABLE
U15
ISO7721DR
C62 0.1µF
C68 0.1µF
ISO_DAC_ALARM
ISO_DAC_RST
R32 10.0
R33 10.0
R35 10.0
R36 10.0
D3
D4
MBR180S1
L4
100µH
LP
LN
C51 1µF
C53 1µF
C54 1µF
C57 0.1µF
C59 10µF
C63 10µF
C64 0.1µF
C65 1µF
C66 1µF
U10
U13
U14
IN
GND
NC
TVS1401DRBR
Title
Size
A3
Number
Revision
Date: 25.01.2020
File: \\..\Output Stage.SchDoc
Sheet of
Drawn By: