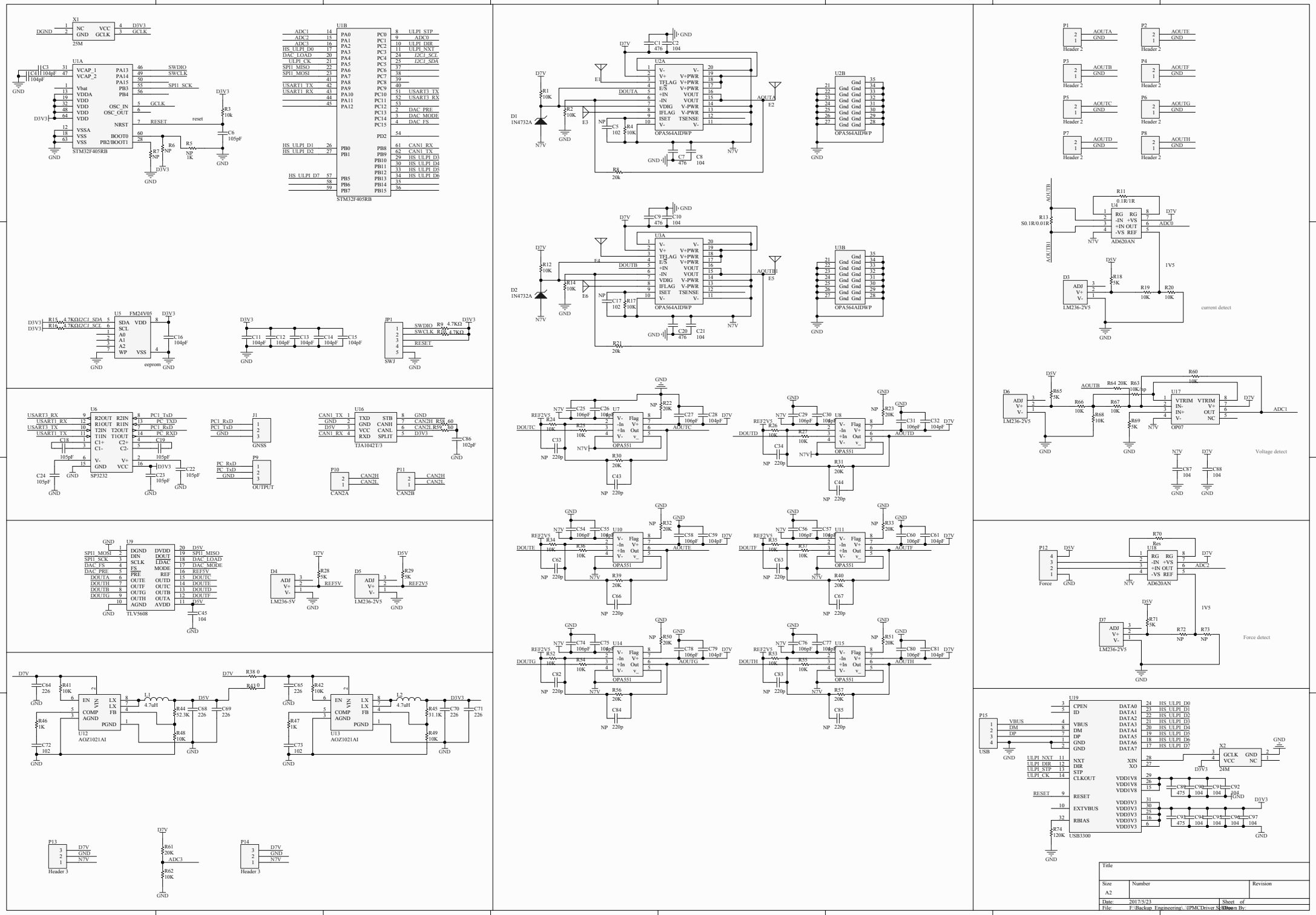
X1
DGND
NC
GND
VCC
GCLK
D3V3
GCLK
25M
U1A
VCAP_1
VCAP_2
Vbat
VDDIA
VDD
VSSA
VSS
PA13
PA14
PA15
PB3
PB4
OSC_IN
OSC_OUT
NRST
BOOT0
PB2/BOOT1
SWDIO
SWCLK
SPI1_SCK
GCLK
RESET
reset
STM32F405RB
U1B
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PB0
PB1
PB5
PB6
PB7
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PC7
PC8
PC9
PC10
PC11
PC12
PC13
PC14
PC15
PD2
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
ADC1
ADC2
ADC3
HS_ULPI_D0
DAC_LOAD
ULPI_CK
SPI1_MISO
SPI1_MOSI
USART1_TX
USART1_RX
HS_ULPI_D1
HS_ULPI_D2
HS_ULPI_D7
ULPI_STP
ADC0
ULPI_DIR
ULPI_NXT
I2C1_SCL
I2C1_SDA
DAC_PRE
DAC_MODE
DAC_FS
CAN1_RX
CAN1_TX
HS_ULPI_D3
HS_ULPI_D4
HS_ULPI_D5
HS_ULPI_D6
STM32F405RB
U5
FM24V05
SDA
SCL
A0
A1
A2
WP
VDD
VSS
eeprom
JP1
SWDIO
SWCLK
RESET
SWJ
U6
SP3232
U16
TJA1042T/3
CAN2H
CAN2L
GNSS
OUTPUT
CAN2A
CAN2B
U9
TLV5608
DGND
DVDD
DIN
DOUT
SCLK
LDAC
FS
MODE
PRE
REF
OUTA
OUTB
OUTC
OUTD
OUTE
OUTF
OUTG
OUTH
AGND
AVDD
D5V
SPI1_MISO
DAC_LOAD
DAC_MODE
REF5V
REF2V5
DOUTC
DOUTD
DOUTE
DOUTF
DOUTG
DOUTH
LM236-5V
LM236-2V5
U12
AOZ1021AI
U13
AOZ1021AI
EN
COMP
AGND
PGND
LX
FB
P13
P14
Header 3
ADC3
U2A
U2B
U3A
U3B
OPA564AIDWP
AOUTA
AOUTB
AOUTB1
DOUTA
DOUTB
D1
D2
1N4732A
U7
U8
U10
U11
U14
U15
OPA551
Flag
Out
P1
P2
P3
P4
P5
P6
P7
P8
Header 2
AOUTA
AOUTE
AOUTB
AOUTF
AOUTC
AOUTG
AOUTD
AOUTH
U4
AD620AN
RG
-IN
+IN
-VS
+VS
OUT
REF
ADC0
R11
0.1R/1R
R13
S0.1R/0.01R
D3
LM236-2V5
1V5
current detect
D6
LM236-2V5
U17
OP07
VTRIM
IN-
IN+
V-
V+
NC
ADC1
Voltage detect
P12
Force
ADC2
D7
LM236-2V5
Force detect
P15
USB
U19
USB3300
CPEN
ID
VBUS
DM
DP
GND
NXT
DIR
STP
CLKOUT
RESET
EXTVBUS
RBIAS
DATA0
DATA1
DATA2
DATA3
DATA4
DATA5
DATA6
DATA7
XIN
XO
VDD1V8
VDD3V3
X2
GCLK
VCC
24M
Title
Size
A2
Number
Revision
Date: 2017/5/23
Sheet of
File: E:\Backup_Engineering\...\PMCDriver.SchDoc
Drawn By: