Attention inversion des TX & RX sur l'ADUM !

U4
ADUM226N1BRIZ

Pin	Signal	Signal	Pin
1	VDD1	VDD2	8
2	VOA	VIA	7
3	VIB	VOB	6
4	GND1	GND2	5

RX_SEQ — R18 0R
TX_SEQ — R19 0R

R15 100K R10 100k

+3V3
C6 100nF
GND

+3V3_APU
C7 100nF
GND_APU

+3V3_APU
R20 0R — TX_APU
R21 0R — RX_APU
GND_APU

R16 100K R17 100K
GND_APU

R1 0R — NRST
SW2 147873-1
C4 0.1uF
GND

T=RC
= 22ms

U2 STM32F303K8T6

Pin	Signal	Signal	Pin
31	BOOT0	VDD_1	1
4	NRST	VDD_2	17
6	PA0		
7	PA1		
8	PA2		
9	PA3		
10	PA4		
11	PA5		
12	PA6		
13	PA7		
18	PA8		
19	PA9		
20	PA10		
21	PA11		
22	PA12		
23	PA13		
24	PA14		
25	PA15		
14	PB0		
15	PB1		
26	PB3	VDDA/VREF+	5
27	PB4		
28	PB5	VSS_1	32
29	PB6	VSS_2	16
30	PB7		
2	PF0/OSC_IN		
3	PF1/OSC_OUT		

GND — R2 10K — NRST

INA_M1
INB_M1
INA_M2
INB_M2
EN/DIA_M1
EN/DIB_M1
EN/DIA_M2
EN/DIB_M2
JACK
TX_SEQ
RX_SEQ
PWM_M1
PWM_M2
SWDIO
SWCLK

CURRENT_SENS_M2
CURRENT_SENS_M1
MONITORING_ALIM_MOTOR
MONITORING_ALIM_SEQ
SCL
SDA
PWM_BUZZER
RST_DS

+3V3
C1 4u7F   C2 4u7F
GND

+3V3
R8 4K7   R9 4K7
SDA   SCL

FB2
C3 1uF
+3V3
MMZ1608S601ATA00
GND

J6

	Pin
+3V3	1
SWDIO	2
NRST	3
SWCLK	4
GND	5
	6

>PARTNO
SAMTEC-TSM-103-01-X-DHJ
SAMTEC-TSM-103-01-X-DH

+3V3
R5 110R — D1 — GND
ASMT-RF45-AN002
D3
SWDIO
R6 110R — GND
HSMA-C190

PWM_BUZZER — R7 330R
R27 10K
Q2 NTR4501NT1G
GND

LS1 +3V3
NRVTS260ESFT1G
D2
CSS-0575A-SMT
+
-

SEQ
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TX_SEQ

D4

R14
110R

2 1

GND

HSMH-C170
D5

RX_SEQ

R11
110R

2 1

GND

HSMH-C170

TX_APU

D7

R12
110R

2 1 GND_APU

HSMH-C170
D6

RX_APU

R13
110R

2 1 GND_APU

HSMH-C170

+3V3

U6

VDD 13
VLOGIC 8

CLKIN 1
AUX_CL 7
AD0 9

INT 12
RESV 22
RESV 19
RESV 21

FSYNC 11

SCL R25 0R
SDA

SCL 23
SDA 24

AUX_DA 6

CPOUT 20
REGOUT 10

R26 0R

GND

GND 18

MPU-6050

100nF
C9

100nF
C10

100nF
C12

2.2nF
C11

GND

U5

VCC 2
VBAT 14

+3V3

C8
100nF

SCL R23 16
0R

SCL

32KHZ 1
INT/SQW 3

RST_DS R24 4
0R

RST

GND 5*8

N.C.

SDA R22 15
0R

SDA

GND 13

GND

DS3231S

J5

1	1	2	2	GND
3	3	4	4	+3V3
5	5	6	6	BAT_MOTOR_9V
7	7	8	8	CURRENT_SENS_M1
9	9	10	10	CURRENT_SENS_M2
11	11	12	12	EN/DIB_M2
13	13	14	14	EN/DIA_M2
15	15	16	16	EN/DIB_M1
17	17	18	18	EN/DIA_M1
19	19	20	20	INB_M2
21	21	22	22	INA_M2
23	23	24	24	INB_M1
25	25	26	26	INA_M1
27	27	28	28	JACK
29	29	30	30	PWM_M1
31	31	32	32	PWM_M2
33	33	34	34	MONITORING_ALIM_MOTOR
35	35	36	36	MONITORING_ALIM_SEQ
37	37	38	38	SCL
39	39	40	40	SDA

FLE-120-01-XX-DV

GND

J3
FTSH-120-05-F-DV

1	1	2	2	GND
3	3	4	4	+3V3
5	5	6	6	BAT_MOTOR_9V
7	7	8	8	CURRENT_SENS_M1
9	9	10	10	CURRENT_SENS_M2
11	11	12	12	EN/DIB_M2
13	13	14	14	EN/DIA_M2
15	15	16	16	EN/DIB_M1
17	17	18	18	EN/DIA_M1
19	19	20	20	INB_M2
21	21	22	22	INA_M2
23	23	24	24	INB_M1
25	25	26	26	INA_M1
27	27	28	28	JACK
29	29	30	30	PWM_M1
31	31	32	32	PWM_M2
33	33	34	34	MONITORING_ALIM_MOTOR
35	35	36	36	MONITORING_ALIM_SEQ
37	37	38	38	SCL
39	39	40	40	SDA

GND

J2

1	1	2	2	
+3V3_APU	3	3	4	4
1WIRE	5	5	6	6
TX_APU	7	7	8	8
RX_APU	9	9	10	10
MONITORING_ALIM_APU	11	11	12	12
	13	13	14	14
3V	15	15	16	16

FLE-108-01-XX-DV

GND_APU

J1
FTSH-108-05-F-DV-A

1	1	2	2	
+3V3_APU	3	3	4	4
1WIRE	5	5	6	6
TX_APU	7	7	8	8
RX_APU	9	9	10	10
MONITORING_ALIM_APU	11	11	12	12
	13	13	14	14
3V	15	15	16	16

GND_APU

SEQ

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