

3.3V Power Management

3.3V Power Management

U10: LDS395M33R (SOT23-5L)

U15: LDS395M18R (SOT23-5L)

RS (533-1804)

AVX (7A7R225K006RJR)

Dimension 2012-12 metric equal to 0805

RS (405-7779)

AVX (7A7R225K006RJR)

Dimension 1608-10 metric equal to 0603

[illegible]

LED RESET PS BUTTON

RED LED Circuit:

- Components: D3, R72 56R, User LED
- LED: Kingbright KP2012HRC
- RS: 466-3829
- Partnell: 8529930
- LED 0805

GREEN LED Circuit:

- Components: D4, R73 56R, User LED
- LED: Kingbright KP2012HRC
- RS: 466-3778
- Partnell: 8529906
- LED 0805

RESETw Circuit:

- Components: 3V3V, R21 10K, C24 100uF, RST, SW PUSHBUTTON-DPST
- RS (S05-9186)
- C&K (Y78R22110FF)

Push Button Circuit:

- Components: 3V3V, R22 10K, C25 100uF, SW2, SW PUSHBUTTON-DPST
- RS (S05-9186)
- C&K (Y78R22110FF)

[illegible]

TR PR_X_OUT

TP PR_X_OUT

RS (405-9517) AVCC (TA7R10K0068)

C56 10uF 6.3V

C57 100nF

C58 100nF

C59 470nF

C60 100nF

C61 100nF

C62 100nF

C63 100nF

C64 100nF

C65 100nF

C66 100nF

C67 100nF

C68 100nF

C69 100nF

C70 100nF

C71 100nF

C72 100nF

C73 100nF

C74 100nF

C75 100nF

C76 100nF

C77 100nF

C78 100nF

C79 100nF

C80 100nF

C81 100nF

C82 100nF

C83 100nF

C84 100nF

C85 100nF

C86 100nF

C87 100nF

C88 100nF

C89 100nF

C90 100nF

C91 100nF

C92 100nF

C93 100nF

C94 100nF

C95 100nF

C96 100nF

C97 100nF

C98 100nF

C99 100nF

C100 100nF

R77 100k

R78 100k

R79 100k

R80 100k

R81 1M

R82 0 Ohm

R83 100k

R84 100k

R85 100k

R86 100k

R87 100k

R88 100k

R89 100k

R90 100k

R91 100k

R92 100k

R93 100k

R94 100k

R95 100k

R96 100k

R97 100k

R98 100k

R99 100k

R100 100k

U13 PD/Sleep

U14 ST

U15 VDD

U16 VDD

U17 VREF

U18 VCON

U19 VDD

U20 VDD

U21 VREF

U22 VREF

U23 VREF

U24 VREF

U25 VREF

U26 VREF

U27 VREF

U28 VREF

U29 VREF

U30 VREF

U31 VREF

U32 VREF

U33 VREF

U34 VREF

U35 VREF

U36 VREF

U37 VREF

U38 VREF

U39 VREF

U40 VREF

U41 VREF

U42 VREF

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U82 VREF

U83 VREF

U84 VREF

U85 VREF

U86 VREF

U87 VREF

U88 VREF

U89 VREF

U90 VREF

U91 VREF

U92 VREF

U93 VREF

U94 VREF

U95 VREF

U96 VREF

U97 VREF

U98 VREF

U99 VREF

U100 VREF

LP Filter (Recommended)

HP Filter (Optional)

Default 1

Default 2

Default 3

Default 4

Default 5

Default 6

Default 7

Default 8

Default 9

Default 10

Default 11

Default 12

Default 13

Default 14

Default 15

Default 16

Default 17

Default 18

Default 19

Default 20

Default 21

Default 22

Default 23

Default 24

Default 25

Default 26

Default 27

Default 28

Default 29

Default 30

Default 31

Default 32

Default 33

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Default 75

Default 76

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Default 78

Default 79

Default 80

Default 81

Default 82

Default 83

Default 84

Default 85

Default 86

Default 87

Default 88

Default 89

Default 90

Default 91

Default 92

Default 93

Default 94

Default 95

Default 96

Default 97

Default 98

Default 99

Default 100

HP Filter Enabled:

Assembly R/C1 --> C 4.7 uF

Assembly R81 1M Ohm

HP Filter Disabled:

Assembly R/C1 --> R 0 Ohm

Not Assembly R81 1M Ohm

HP Filter Enabled:

Assembly R/C2 --> C 4.7 uF

Assembly R85 1M Ohm

HP Filter Disabled:

Assembly R/C2 --> R 0 Ohm

Not Assembly R85 1M Ohm

232

UART2_RX 1 2 UART2_TX
UART2_RTS 3 4 UART2_CTS
5 6 +3V3

J4

RS232

Male Connector 2x3
Pitch 2.54 mm

Power Selector

Power Selector
 VCC_EXT → J1 (Digikikey WM18900-ND, Molex 22-05-7025)
 USB_5V → S4 (SWITCH 1X2)
 VCC_EXT → S4
 S4 → Vin (SMT5.0A diode)
 Part numbers: EAO 09.03201.02, RS: 115-6283, Farnell: 1608080, Distrelec: 210007

For further details
please refer to datasheet

STM75DS2F

I2C Address:
Read: 0x91
Write: 0x90

[illegible]

RS (405-9517) AVCC
 AVX (74BRL680068)

C51 2
 10uF 4.3V

C52 100nF

U12

RES
 RES

VDD
 VDD
 VCON

OUT2
 VREF

GND
 ST
 PD/Sleep L/Yaw &
 LK8 10

C53 470nF
 R74 10K

Default: R --> 0 Ohm
 HP Filter (Optional)
 R/C 4.7
 R/C 4.7F
 Not Mount
 R76 10K
 L/Yaw Vref

R77 1M
 L/Yaw Vref

C55 100nF

TP Yaw_OUT
 T2
 L/Yaw Vref
 TP L/Yaw_Vref
 LP Filter (Recommended)

HP Filter Enabled:
 Assembly R/C3 --> C 4.7 uF
 Assembly R76 1M Ohm

HP Filter Disabled:
 Assembly R/C3 --> R 0 Ohm
 Not Assembly R76 1M Ohm

Y1 32.768 kHz

OSC32 IN OSC32 OUT

C16 12 pF C17 12 pF

DigKey (300-8633-1-ND)
Part#: 1457790
Cite# CM130-32.768K2EF-U7

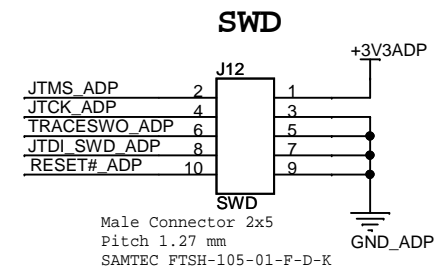
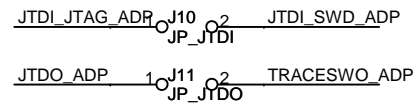
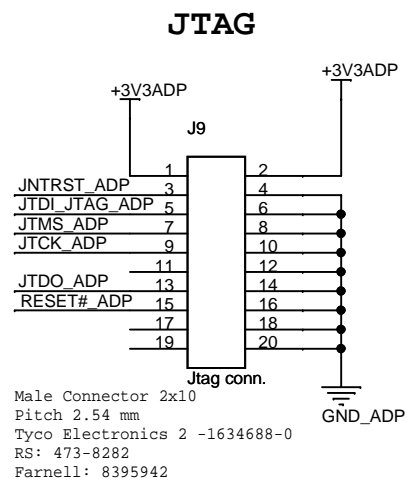
OSCIN OSCOUT

3MHz

GND

Murata (CQTC8M00055-R0)
DigKey (490-1195-1-ND)
R#1: 283-961
Part#: 1615352

[illegible][illegible]



Title		
STEVAL-MKI062V2 STMicroelectronics		
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