VCC   +3.3V

J2

CS/CFG3	1	2	
	3	4	SWSEL
SCK/CFG2	5	6	
SDI/NAI/CFG1	7	8	SWN_OUT
SDO/NAO/CFG0	9	10	SWP_OUT GND
REFL	11	12	SWP_IN
REFR	13	14	SWN_IN
ENCN	15	16	CS_EXT
ENCB/CFG4	17	18	EN/CFG6
ENCA/CFG5	19	20	SWP_EEPROM

U1
NCV4276BDTADJRKG

VCC   +12V   J5
C3   C1   JP2   Conn_01x02
1uF, 50V   0.1uF, 50V   TEST_1P   J6
1 I   GND
2 EN   VA
3   4
10k RV1   C2 22uF, 25V
GND GND GND GND GND GND

Adjustable regulator for fan

EN/CFG6
+3.3V
R1 2.2k
J4
3
JP1   2 E_STOP   1
1   2
Conn_01x02
ENCA/CFG5
GND

Emergency stop (NC) connector
When emergency stop is triggered:
 – the motor is put into freewheeling if EN/CFG6 is selected
 – the motor is braked if ENCA/CFG5 is selected (not compatible with encoder usage)

H1 HOLE H2 HOLE H3 HOLE H4 HOLE
GND GND GND GND

J1
1
2 SWN_IN
3 SWP_IN
4
XLR NC3MAAH
GND

J3
1
SWN_OUT 2
SWP_OUT 3
4
XLR NC3FAAH2
GND

XLR connectors

+5V   VCC   +3.3V   PWR_FLAG
PWR_FLAG PWR_FLAG PWR_FLAG GND

Tom Magnier
Sheet: /
File: Farfadet_XLR_extension.sch
Title: Farfadet – XLR and emergency stop extension board

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