+3.3V PWR_FLAG

PWR_FLAG GND

power from off-board MCO or LDO

+3.3V

C1
100nF

GND

U1
74HC165

+3.3V

10k

R1R2R3R4R5R6R7R8

SW1
SW_Rotary_1x8_MP

A
B
C
MP

GND

1
2
3
4
5
6
7
8

10 DS
11 D0
12 D1
13 D2
14 D3
3   D4
4   D5
5   D6
6   D7

VCC 16

Q7 9 GP_Q7
Q7 7

GP_PL 1 PL
GP_CP 2 CP
15 CE

GND 8

GND

+3.3V

5
GP_Q7 4
GP_PL 3
GP_CP 2
1

Conn_01x05
J1

GND