

# 3-axis Gyroscope L3GD20 module

20140106

Reference;

i2c\_utility\_0.1.f

L3GD20\_0.2.f

Prop0 Cog6 ok

i2c\_detect

0 1 2 3 4 5 6 7 8 9 A B C D E F

00: - - - - -

10: - - - - -

20: - - - - -

30: - - - - -

40: - - - - -

50: 50 - - - - -

60: - - - - - 6B - - - - -

70: - - - - -

i2c\_device:2

This is only displayment for register-values and angular-velocity.

Not yet application because I don't understand this module's ability.

Prop0 Cog6 ok

-- Communication test

-- OK if reply is D4

test

D4

Prop0 Cog6 ok

-- Display each register values

disp\_reg

Address(hex) value(hex)

20 07

21 00

22 00

23 00

24 00

25 00

26 FF

27 FF

28 82

29 FF

2A B1

2B FE

2C EB

2D FF

2E 00

2F 20

30 00

31 00

32 00

33 00

34 00

35 00

36 00

37 00

38 00

```
Prop0 Cog6 ok
-- Display each angular-velocity
show_xyz
Temp: Z:  Y:  X:
23  0  0  0
23  0  0  0
23 -3  0  0
23 -85 -1  0
23 -98  1  0
23 -31  1  0
23 -73 -2  0
23 -85 -2  0
23  0  0  0
23 52  0  0
23 138  0  0
23  70  0  1
23 129  2  0
23  15  0  1
23  -7  1  0
23  0  0  0
23  0  0  0
23  0  0  0
23  0  0  0
23  0  0  0

Temp: Z:  Y:  X:
23  10  1  -1
23  2  6  -1
23  3 -16  -1
23  3  0 -40
23  0 -4 -53
23 -1  0 -45
23 -6  2 -36
23  0  1 -19
23  3  2  3
23 -2  3 35
23 -7  0 51
23 -3 21 47
23 13  6 56
23  1  4  1
23  1  1  2
23  1  1  1
23  1  1  1
23  1  1  1
23  1  1  1
23  1  1  1

Temp: Z:  Y:  X:
23  1  2  1
23  2  8  1
23  2 21  1
23  9 71  1
23 10 81  0
23  7 60 -1
23  2 22  0
23  2 -13  1
23  2 -30  1
23  3 -116  1
23  1 -81  2
23  2  0  3
23  1  0  1
23  1  1  1
23  1  1  1
23  1  1  1
23  1  0  1
23  1  1  1
23  1  0  1

Prop0 Cog6 ok
```