

3-axis Gyroscope L3GD20 module

20140413

Reference;

i2c_utility_0.2.1.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 - - - - - <-- L3GD20's address is h68.
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