

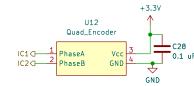
xIN1	xIN2	xOUT1	xOUT2
0	0	L	L
0	1	L	Н
1	0	Н	L
1	1	Н	Н

PWM Frequency: 100 kHz max

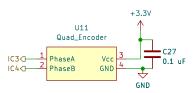
Slow Decay: Logic low Mixed Decay: Open Fast Decay: Logic high

10 - 14 Function

I[40]	RELATIVE CURRENT (% FULL-SCALE CHOPPING CURRENT)
0x00h	0%
0x01h	5%
0x02h	10%
0x03h	15%
0x04h	20%
0x05h	24%
0x06h	29%
0x07h	34%
0x08h	38%
0x09h	43%
0x0Ah	47%
0x0Bh	51%
0x0Ch	56%
0x0Dh	60%
0x0Eh	63%
0x0Fh	67%
0x10h	71%
0x11h	74%
0x12h	77%
0x13h	80%
0x14h	83%
0x15h	86%
0x16h	88%
0x17h	90%
0x18h	92%
0x19h	94%
0x1Ah	96%
0x1Bh	97%
0x1Ch	98%
0x1Dh	99%
0x1Eh	100%
0x1Fh	100%



Corresponding Female: DigiKey PN WM2002-ND Corresponding Crimp : DigiKey PN WM2756CT-ND



Corresponding Female: DigiKey PN WM2002-ND Corresponding Crimp : DigiKey PN WM2756CT-ND

+3.3\ 3V3D	,
Vdrive Vdrive D	
GND	

Matthew Sato
Stanford University
Engineering Informatics Group
Department of Civil and Environmental Engineering

satomm@stanford.edu Sheet: /Motor/

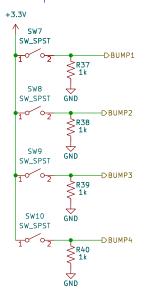
File: Motor.kicad_sch

Title:	MCU	Controller
Cizo. D		Data

 Size: B
 Date:
 Rev: 0.1

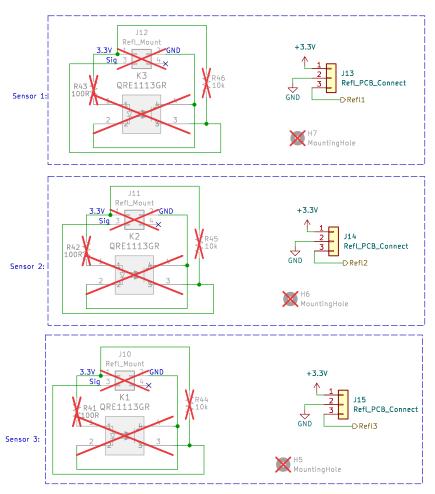
 KiCad E.D.A. kicad 7.0.6
 Id: 8/12

Bumper Sensors

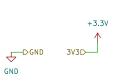


Corresponding Female: DigiKey PN 900-0022013027-ND Corresponding Crimp : DigiKey PN WM2756CT-ND Limit Switch : DigiKey PN _____

Reflective Optical Sensors (Cliff Sensor)



Corresponding Female: DigiKey PN 900-0022013037-ND Corresponding Crimp : DigiKey PN WM2756CT-ND



Matthew Sato
Stanford University
Engineering Informatics Group
Department of Civil and Environmental Engineering
satomm@stanford.edu
Sheet: /OtherSensors/
File: OtherSensors.kicad_sch

Title: MCU Controller
Size: B Date:
KiCad E.D.A. kicad 7.0.6

e: B Date: **Rev: 0.1** ad E.D.A. kicad 7.0.6 Id: 9/12

