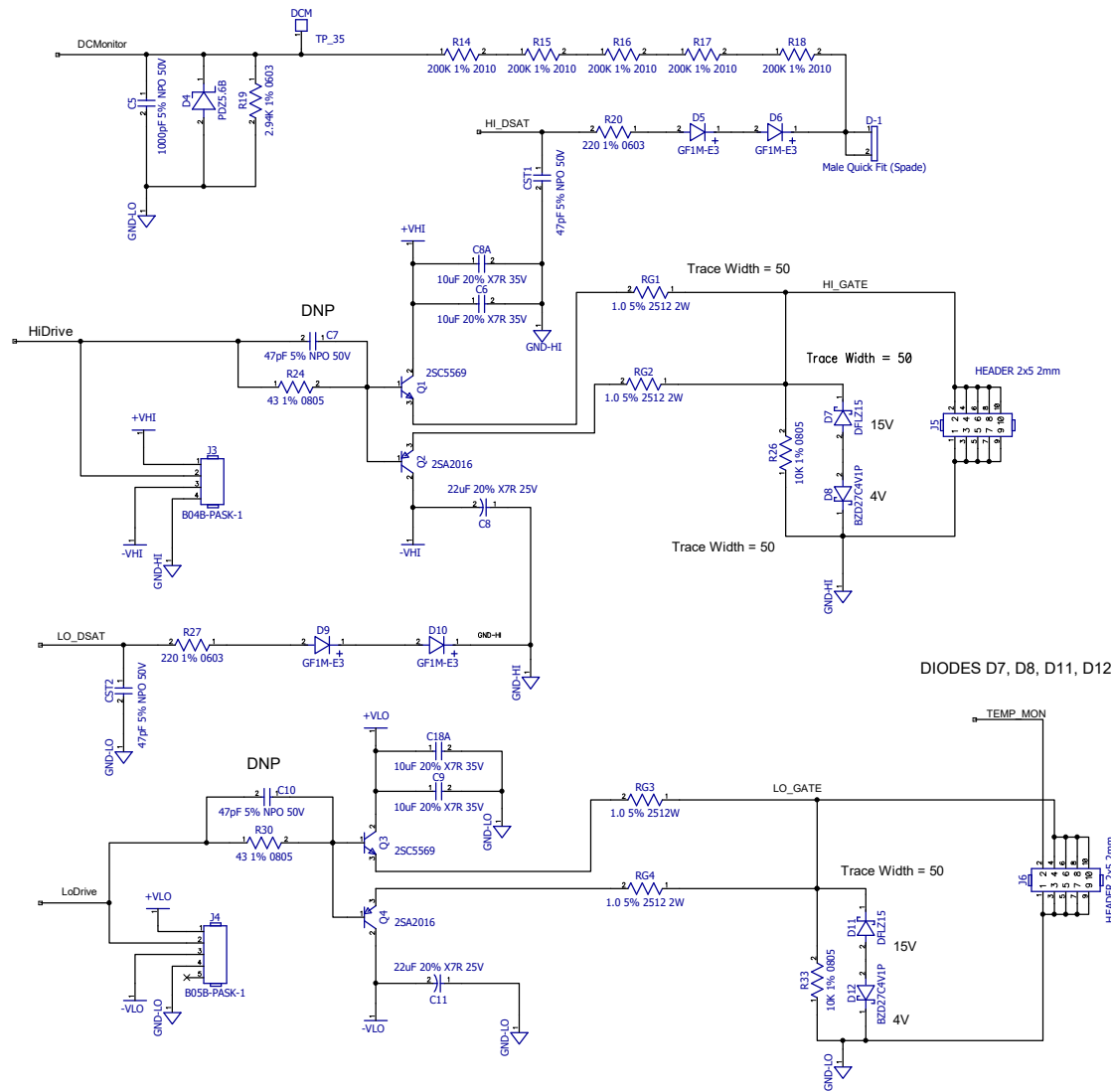


FOR 5V SINGLE ENDED (NOT RECOMMENDED)
INSTALL RS1,RS2,RS3,RS4,RS5,RS6
REMOVE RD1,RD2,RD3,RD4,RD5,RD6
CHANGE R7, R10 FROM 2K TO 100 OHM

AGILESWITCH LLC 62CA2 - 1200V High Performance 62mm Module Adapter		
Size B	CONTROL I/O	Rev A
Date: April 26, 2018		Drawn by: AJC
Filename		Sheet 1 of 2



DIODES D7, D8, D11, D12 MAY NEED TO BE CHANGED FOR DIFFERENT MODULES

AGILESWITCH, LLC		
62CA2 - 1200V High Performance 62mm Module Adapter		
Size	Number	Rev
B	HI & LO SIDE DRIVERS	A
Date: April 26, 2018		Drawn by AJC
Filename		Sheet 2 of 2

AgileSwitch, LLC Bill of Materials
Part: 62CA2-00001
Version: 1
Date: 1/29/2019
Description: Adapter for 2ASC-12A1HP and CAS325M12HM2

CONFIDENTIAL AND PROPRIETARY
RoHS Compliant = Yes

This Adapter Board is designed for developing gate drive boards for evaluation purposes. This design has not been qualified for production.

NOTE: All Rs and Cs have a Manufacturer and part number but can be substituted with a different manufacturer if spec is the same for lower cost, unless otherwise noted.

Item	Qty	RefDes	Part	Tol	Footprint	Description	Manufacturer	Manufacturer P/N	Notes
35	1	AS-17200 Rev 1			AS-17200 Rev 1	PCB	AgileSwitch	AS-17200 Rev 1	
1	5	C1, C6, C9, C18A, C8A	10uF	20	CAP_1206	10uF 20% X7R 35V	TDK	C3216X7R1V106M160AC	
6	2	C14, C15	47pF	5%	CAP_0402	47pF 5% NPO 50V	Murata	GCM1555C1H470JA16D	
7	2	C16, C17	10000pF	10	CAP_0402	.01uF 10% X7R 50V (10000pF)	Murata	GRM155R71H103KA88D	
8	1	C18	1uF	20	CAP_0603	1uF 20% X7R 25V	Murata	GRM188R71E105MA12D	
2	2	C2, C3	150pF	5%	CAP_0402	150pF 5% NPO 50V	Murata	GCM1555C1H151JA16D	
3	1	C5	1000pF	5%	CAP_0603	1000pF 5% NPO 50V	Murata	GRM1885C1H102JA01J	
4	4	C7, C10, CST1, CST2	47pF	5%	CAP_0603	47pF 5% NPO 50V	Murata	GCM1885C1H470JA16D	
5	2	C8, C11	22uF	20	CAP_1210	22uF 20% X7R 25V	Murata	GRM32ER71E226ME15L	
14	1	D-1			Male Quick Fit (Spade)	1285-ST	Keystone	1285-ST	
9	2	D1, D2			RB558W	RB558W	Rohm	RB558WTL	
10	1	D4			PDZ5.6B	5.6V	NXP	PDZ5.6B,115	
11	4	D5, D6, D9, D10			GF1M-E3		Vishay	GF1M-E3/67A	
12	2	D7, D11			DFLZ15	15V	Diodes Inc	DFLT15A-7	
13	2	D8, D12			BZD27C4V1P	3.9V	Panasonic	DZ2W03900L	
15	1	J1	71918-220LF		HDR2x10-71918-220LF	71918-220LF or 1-969973-0	FCI	71918-220LF	
16	1	J3			HDR 1x4 2mm cc	B04B-PASK-1	JST Sales America		DNP
17	1	J4			HDR 1x5 2mm cc	B05B-PASK-1	JST Sales America		DNP
18	2	J5, J6			HEADER 2x5 2mm		Samtec	ESQT-105-02-G-D-525	
19	2	Q1, Q3			2SC5569		On Semi	2SC5569-TD-E	
20	2	Q2, Q4			2SA2016		On Semi	2SA2016-TD-E	
21	2	R1, R2	100	1%	RES_0603	100 1% 0603	Yageo	RC0603FR-07100RL	
24	5	R14, R15, R16, R17, R18	200K	1%	RES_2010	200K 1% 2010	Vishay	CRCW2010200KFKEF	
25	1	R19	2.94K	1%	RES_0603	2.94K 1% 0603	Vishay	CRCW06032K94FKEA	
26	2	R20, R27	220	1%	RES_0603	220 1% 0603	Yageo	RC0603FR-07220RL	
27	2	R24, R30	43	1%	RES_0805	43 1% 0805	Panasonic	ERJ-6ENF43R2V	
28	2	R26, R33	10K	1%	RES_0805	10K 1% 0805	Vishay	CRCW080510K0FKEA	
29	2	R34, R35	240	1%	RES_0603	240 1% 0603	Yageo	RC0603F241CS	
22	2	R7, R10	2K	1%	RES_0603	2K 1% 0603	Yageo	RC0603FR-072KL	
23	6	R9, R12, R36, R37, R38, R39	1K	1%	RES_0603	1K 1% 0603	Yageo	RC0603FR-071KL	
30	6	RD1, RD2, RD3, RD4, RD5, RD6	0		RES_0603	0	Panasonic	ERJ-1GN0R00C	DNP
32	4	RG1, RG2, RG3, RG4	2.2	5%	RES_2512	2.2 5% 2512 2W	Vishay	CRCW25122R20JNEGHP	
31	6	RS1, RS2, RS3, RS4, RS5, RS6	0		RES_0603	0	Panasonic	ERJ-1GN0R00C	
33	1	U1			Agile Core ASC1	1200V Dual-Channel High Perform	AgileSwitch	2ASC-12A1HP	
34	2	U2, U3			ISL3280EFHZ		Intersil	ISL3280EFHZ-T	