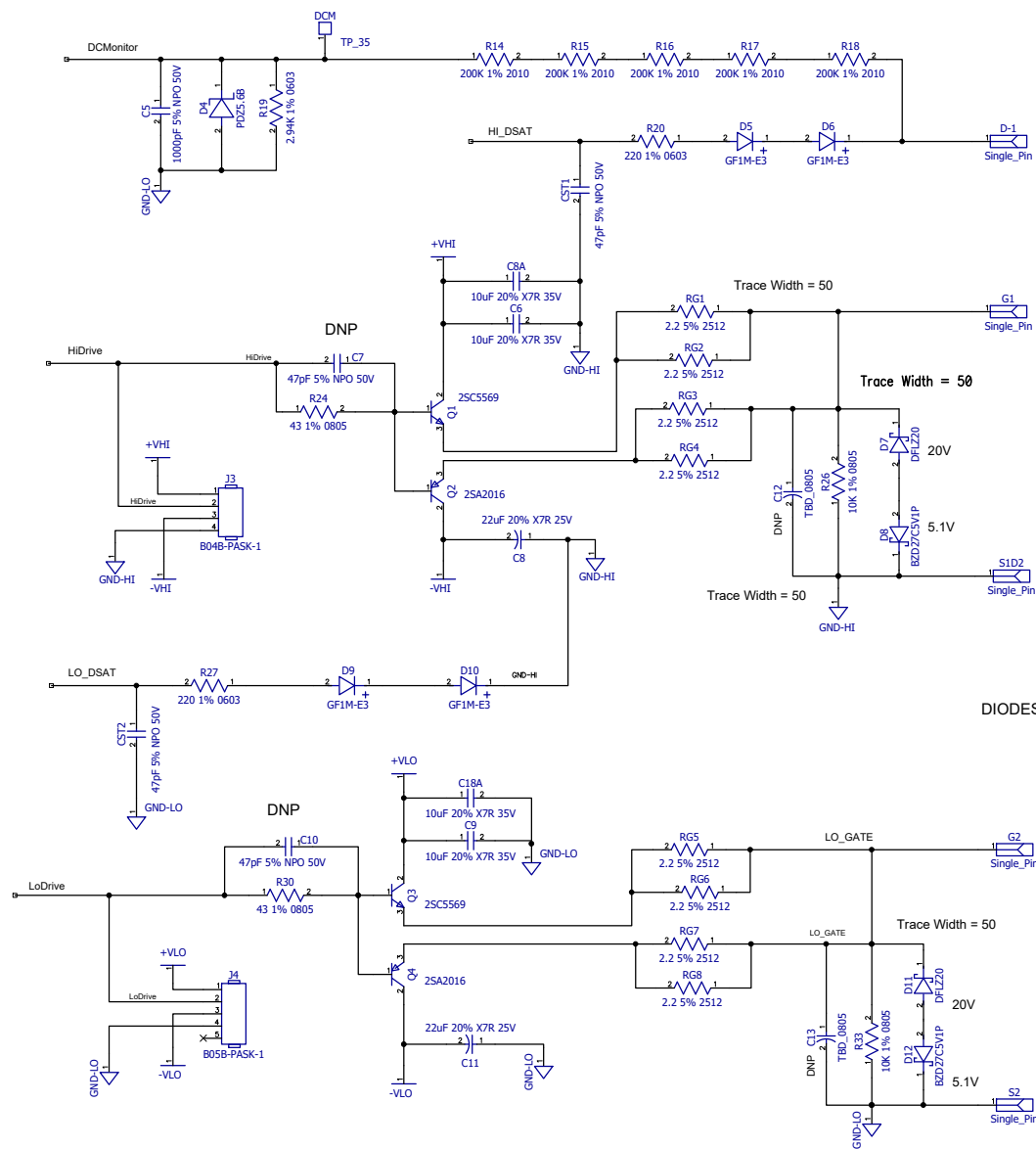


FOR 5V SINGLE ENDED (NOT RECOMMENDED)  
INSTALL RS1,RS2,RS3,RS4,RS5,RS6  
REMOVE RD1,RD2,RD3,RD4,RD5,RD6  
CHANGE R7, R10 FROM 2K TO 100 OHM

|                                                                                                                          |                                          |                                                  |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------|
| <p align="center"><b>AGILESWITCH LLC</b></p> <p align="center"><b>BSM600D12P3G001- 1200V 62mm SiC Module Adapter</b></p> |                                          |                                                  |
| <p><b>Size</b></p> <p align="center"><b>B</b></p>                                                                        | <p align="center"><b>CONTROL I/O</b></p> | <p><b>Rev</b></p> <p align="center"><b>A</b></p> |
| <p><b>Date:</b> Aug 15, 2019</p>                                                                                         |                                          | <p><b>Updated By</b> Vipin</p>                   |
|                                                                                                                          |                                          | <p><b>Sheet</b> 1 of 2</p>                       |



| AGILESWITCH, LLC                                |                      |                  |
|-------------------------------------------------|----------------------|------------------|
| BSM600D12P3G001 - 1200V 62mm SiC Module Adapter |                      |                  |
| Size                                            | Number               | Rev              |
| B                                               | HI & LO SIDE DRIVERS | A                |
| Date: AUG 15, 2019                              |                      | Updated By Vipin |
|                                                 |                      | Sheet 2 of 2     |

|                                    |                                    |                              |
|------------------------------------|------------------------------------|------------------------------|
| AgileSwitch, LLC Bill of Materials |                                    | CONFIDENTIAL AND PROPRIETARY |
| Part:                              | EDCA1                              | RoHS Compliant = Yes         |
| Version:                           | 2                                  |                              |
| Date:                              | 4/20/2020                          |                              |
| Description:                       | Rohm E/G type module Adapter board |                              |

| Item | Qty | RefDes                                 | Part   | Tol | Footprint       | Description                     | Manufacturer                | Manufacturer P/N    | Alternate Manufacturer1 | Alternate Manufacturer1 P/N | Notes |
|------|-----|----------------------------------------|--------|-----|-----------------|---------------------------------|-----------------------------|---------------------|-------------------------|-----------------------------|-------|
| 1    | 2   | AS-17600, EDCA1 Rev 2.0                | PCB    |     |                 | PCB Bare Printed Circuit Board  | Kingford                    | AS-17600            | -                       | -                           |       |
| 2    | 5   | C1, C6, C9, C18A, C8A                  | 10uF   | 20% | CAP_1206        | 10uF 20% X7R 35V                | TDK                         | C3216X7R1V106M160AC | TDK                     | C3216X7R1V106M160AE         |       |
| 3    | 2   | C14, C15                               | 47pF   | 5%  | CAP_0402        | 47pF 5% NPO 50V                 | Murata                      | GCM1555C1H470JA16D  | Murata                  | GRM1555C1H470JA01D          |       |
| 4    | 2   | C16, C17                               | 0.01uF | 10% | CAP_0402        | 0.01uF 10% X7R 50V              | Murata                      | GRM155R71H103KA88D  | Murata                  | GCM155R71H103KA55D          |       |
| 5    | 1   | C18                                    | 1uF    | 20% | CAP_0603        | 1uF 20% X7R 25V                 | Murata                      | GCM188R71E105MA64D  | TDK                     | CO603X7R1E102M0308A         |       |
| 6    | 2   | C2, C3                                 | 150pF  | 5%  | CAP_0402        | 150pF 5% NPO 50V                | Murata                      | GCM1555C1H151JA16D  | Murata                  | GRM1555C1H151FA01D          |       |
| 7    | 1   | C5                                     | 1000pF | 5%  | CAP_0603        | 1000pF 5% NPO 50V               | Murata                      | GRM1885C1H102JA01J  | Murata                  | GCM1885C1H102JA16J          |       |
| 8    | 4   | C7, C10, CST1, CST2                    | 47pF   | 5%  | CAP_0603        | 47pF 5% NPO 50V                 | Murata                      | GCM1885C1H470JA16D  | Murata                  | GRM1885C1H470JA01J          |       |
| 9    | 2   | C8, C11                                | 22uF   | 20% | CAP_1210        | 22uF 20% X7R 25V                | Murata                      | GRM32ER71E226ME15L  | TDK                     | CGA6P3X7R1E226M250AB        |       |
| 10   | 2   | D1, D2                                 | DIODE  |     | EMD3            | DIODE ARRAY SCHOTTKY 30V EMD3   | Rohm                        | R8548WTL            | -                       | -                           |       |
| 11   | 1   | D4                                     | DIODE  |     | SOD323          | DIODE ZENER 5.6V 400MW SOD323   | Nexperia USA Inc.           | PDZ5.6B,115         | -                       | -                           |       |
| 12   | 4   | D5, D6, D9, D10                        | DIODE  |     | DO214BA         | DIODE GEN PURP 1KV 1A DO214BA   | Vishay                      | GF1M-E3             | -                       | -                           |       |
| 13   | 2   | D7, D11                                | DIODE  |     | POWERDI123      | TVS DIODE 20V 32.4V POWERDI 123 | Diodes Inc                  | DFLT17A-7           | -                       | -                           |       |
| 14   | 2   | D8, D12                                | DIODE  |     | DO219AB         | DIODE ZENER 5.1V 800MW DO219AB  | Vishay                      | BZD27CSV1P-E3-08    | -                       | -                           |       |
| 15   | 1   | J1                                     | CONN   |     | 0.1" (2.54mm)   | CONN HEADER VERT 20POS 2.54MM   | FCI                         | 71918-220LF         | -                       | -                           |       |
| 16   | 1   | J5                                     | CONN   |     | 0.079" (2.00mm) | CONN HDR 14POS 0.079 GOLD PCB   | Sullins Connector Solutions | NPPN141BFCN-RC      | Harwin                  | M22-7131442                 |       |
| 17   | 2   | J6,J7                                  | CONN   |     | 0.079" (2.00mm) | CONN HDR 8POS 0.079 GOLD PCB    | Sullins Connector Solutions | NPPN081BFCN-RC      | Harwin                  | M22-7130842                 |       |
| 18   | 2   | Q1, Q3                                 | TRANS  |     | SOT89-3         | TRANS NPN 50V 7A SOT89-3        | On Semi                     | 2SC5569-TD-E        | -                       | -                           |       |
| 19   | 2   | Q2, Q4                                 | TRANS  |     | SOT89-3         | TRANS PNP 50V 7A SOT89-3        | On Semi                     | 2SA2016-TD-E        | -                       | -                           |       |
| 20   | 2   | R1, R2                                 | 100    | 1%  | RES_0603        | 100 1% 0603                     | Vishay                      | CRCW0603100RFKEA    | Yageo                   | RC0603FR-07100RL            |       |
| 21   | 5   | R14, R15, R16, R17, R18                | 200K   | 1%  | RES_2010        | 200K 1% 2010                    | Vishay                      | CRCW2010200KFKEF    | Stackpole               | RMCF2010FT200K              |       |
| 22   | 1   | R19                                    | 2.94K  | 1%  | RES_0603        | 2.94K 1% 0603                   | Vishay                      | CRCW06032K94FKEA    | Yageo                   | RC0603FR-072K94L            |       |
| 23   | 2   | R20, R27                               | 220    | 1%  | RES_0603        | 220 1% 0603                     | Vishay                      | CRCW0603220RFKEA    | Yageo                   | RC0603FR-07220RL            |       |
| 24   | 2   | R24, R30                               | 43     | 1%  | RES_0805        | 43 1% 0805                      | Vishay                      | CRCW080543ROFKEA    | Panasonic               | ERJ-6ENF43ROV               |       |
| 25   | 2   | R26, R33                               | 10K    | 1%  | RES_0805        | 10K 1% 0805                     | Vishay                      | CRCW080510KOFKEA    | Stackpole               | RMCF0805FT10K0              |       |
| 26   | 2   | R34, R35                               | 240    | 1%  | RES_0603        | 240 1% 0603                     | Vishay                      | CRCW0603240RFKEA    | Yageo                   | RC0603FR-07240RL            |       |
| 27   | 2   | R7, R10                                | 2K     | 1%  | RES_0603        | 2K 1% 0603                      | Vishay                      | CRCW06032K00FKEA    | Yageo                   | RC0603FR-072KL              |       |
| 28   | 6   | R9, R12, R36, R37, R38, R39            | 1K     | 1%  | RES_0603        | 1K 1% 0603                      | Vishay                      | CRCW06031K00FKEA    | Yageo                   | RC0603FR-071KL              |       |
| 29   | 8   | RG1, RG2, RG3, RG4, RG5, RG6, RG7, RG8 | 2.2    | 5%  | RES_2512        | 2.2 5% 2512                     | Vishay                      | CRCW25122R20JNEGHP  | Panasonic               | ERJ-1TYJ2R2U                |       |
| 30   | 6   | RS1, RS2, RS3, RS4, RS5, RS6           | 0      |     | RES_0603        | 0 Ohm 0603                      | Vishay                      | CRCW0603000O20EA    | Panasonic               | ERJ-1GNOR00C                |       |
| 31   | 2   | U2, U3                                 | IC     |     | SOT-753         | IC RECEIVER 0/1 RS422/485 SC74A | Intersil                    | ISL3280EFHZ-T       | -                       | -                           |       |

Do Not Populate

|   |                              |      |                 |                           |                   |                     |     |
|---|------------------------------|------|-----------------|---------------------------|-------------------|---------------------|-----|
| 1 | J2                           | CONN | 0.079" (2.00mm) | CONN HEADER VERT 2POS 2MM | JST Sales America | B02B-PASK(LF)(SN)   | DNP |
| 1 | J3                           | CONN | 0.079" (2.00mm) | CONN HEADER VERT 4POS 2MM | JST Sales America | B04B-PASK-1(LF)(SN) | DNP |
| 1 | J4                           | CONN | 0.079" (2.00mm) | CONN HEADER VERT 5POS 2MM | JST Sales America | B05B-PASK-1(LF)(SN) | DNP |
| 6 | RD1, RD2, RD3, RD4, RDS, RD6 | 0    | RES_0603        | 0 Ohm 0603                | Vishay            | CRCW0603000O20EA    | DNP |