

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM479417

| | |
|------------------------------|-------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | SECURITY INTEREST |

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|-----------------------------------|----------|----------------|-------------------------|
| SILICON STORAGE TECHNOLOGY, INC. | | 05/29/2018 | Corporation: CALIFORNIA |
| ATMEL CORPORATION | | 05/29/2018 | Corporation: DELAWARE |
| MICROSEMI CORPORATION | | 05/29/2018 | Corporation: DELAWARE |
| MICROSEMI STORAGE SOLUTIONS, INC. | | 05/29/2018 | Corporation: DELAWARE |
| MICROCHIP TECHNOLOGY INCORPORATED | | 05/29/2018 | Corporation: DELAWARE |

RECEIVING PARTY DATA

| | |
|--------------------------|--|
| Name: | JPMORGAN CHASE BANK, N.A., AS ADMINISTRATIVE AGENT |
| Street Address: | 10 S. Dearborn |
| Internal Address: | 7th Floor |
| City: | Chicago |
| State/Country: | ILLINOIS |
| Postal Code: | 60603 |
| Entity Type: | National Banking Association: UNITED STATES |

PROPERTY NUMBERS Total: 115

| Property Type | Number | Word Mark |
|----------------------|---------|---------------------|
| Registration Number: | 2490401 | ANYRATE |
| Registration Number: | 4616999 | CHIPKIT |
| Registration Number: | 4617000 | CHIPKIT |
| Registration Number: | 4619553 | CLOCKWORKS |
| Registration Number: | 2722040 | DSPIC |
| Registration Number: | 2867714 | DSPIC |
| Registration Number: | 4552090 | ETHERSYNCH |
| Registration Number: | 2488852 | FILTERLAB |
| Registration Number: | 2421705 | FLASHFLEX |
| Registration Number: | 3567233 | HELDO |
| Registration Number: | 4712668 | HYPER SPEED CONTROL |
| Registration Number: | 3677023 | HYPERLIGHT LOAD |

CH \$2890.00 2490401

| Property Type | Number | Word Mark |
|----------------------|---------|--|
| Registration Number: | 4756280 | INTELLIMOS |
| Registration Number: | 2127732 | K |
| Registration Number: | 1906190 | KEELOQ |
| Registration Number: | 3080238 | LINKMD |
| Registration Number: | 2390711 | M |
| Registration Number: | 1554466 | MICROCHIP |
| Registration Number: | 3729988 | MPLAB |
| Registration Number: | 4179638 | MPLAB |
| Registration Number: | 2272863 | MPLAB |
| Registration Number: | 4255921 | MTOUCH |
| Registration Number: | 1176995 | PIC |
| Registration Number: | 3691024 | PIC 32 |
| Registration Number: | 2184783 | PICMICRO |
| Registration Number: | 1932666 | PICSTART |
| Registration Number: | 2919406 | PRECISION EDGE |
| Registration Number: | 1993881 | PRO MATE |
| Registration Number: | 4556266 | QUIET-WIRE |
| Registration Number: | 3019668 | SST |
| Registration Number: | 1783306 | SST |
| Registration Number: | 1778284 | SUPERFLASH |
| Registration Number: | 4284902 | THE EMBEDDED CONTROL SOLUTIONS COMPANY |
| Registration Number: | 1990546 | THE EMBEDDED CONTROL SOLUTIONS COMPANY |
| Registration Number: | 3490318 | UNI/O |
| Registration Number: | 1921791 | SEEVAL |
| Registration Number: | 5205284 | SUPERSWITCHER |
| Registration Number: | 5475676 | MOTORBENCH |
| Registration Number: | 3267940 | ATMEL |
| Registration Number: | 3330658 | SAM-BA |
| Registration Number: | 2166210 | AVR |
| Registration Number: | 2180449 | AVR STUDIO |
| Registration Number: | 3552073 | QSLIDE |
| Registration Number: | 3552071 | QTOUCH |
| Registration Number: | 2219439 | QUICK CHANGE |
| Registration Number: | 1526686 | ATMEL |
| Registration Number: | 3651724 | PICOPOWER |
| Registration Number: | 2296708 | MEGAAVR |
| Registration Number: | 3807495 | XMEGA |
| Registration Number: | 1648039 | IDIC |

| Property Type | Number | Word Mark |
|----------------------|---------|----------------------------------|
| Registration Number: | 3981998 | MAXTOUCH |
| Registration Number: | 4096763 | ENABLING UNLIMITED POSSIBILITIES |
| Registration Number: | 2583686 | PROCHIP DESIGNER |
| Registration Number: | 2601053 | CACHE LOGIC |
| Registration Number: | 2625572 | CRYPTOMEMORY |
| Registration Number: | 4254377 | ENABLING UNLIMITED POSSIBILITIES |
| Registration Number: | 4254378 | ENABLING UNLIMITED POSSIBILITIES |
| Registration Number: | 4261667 | MAXTOUCH |
| Registration Number: | 4272527 | MAXTOUCH |
| Registration Number: | 4373777 | XSENSE |
| Registration Number: | 2742306 | FPSLIC |
| Registration Number: | 4393081 | MAXCHARGER |
| Registration Number: | 4400729 | MAXSTYLUS |
| Registration Number: | 4400730 | MAXSTYLUS |
| Registration Number: | 4495228 | MAXSTYLUS |
| Registration Number: | 4581576 | MAXFUSION |
| Registration Number: | 2872181 | TINYAVR |
| Registration Number: | 2875391 | STK |
| Registration Number: | 2875390 | MEGAAVR |
| Registration Number: | 2891156 | AVRFREAKS |
| Registration Number: | 2900141 | LOGIC DOUBLING |
| Registration Number: | 2944831 | CRYPTORF |
| Registration Number: | 4773192 | MAXSTYLUS |
| Registration Number: | 4844537 | ATMEL |
| Registration Number: | 3075678 | AVR |
| Registration Number: | 3201937 | ATMEL |
| Registration Number: | 2025438 | ATMEL |
| Registration Number: | 2164517 | DATAFLASH |
| Registration Number: | 1753737 | APT |
| Registration Number: | 2603685 | APT |
| Registration Number: | 4804750 | I2MOS |
| Registration Number: | 2335792 | MICROSEMI |
| Registration Number: | 4616039 | MICROSEMI |
| Registration Number: | 3400428 | |
| Registration Number: | 4339595 | MICROSEMI |
| Registration Number: | 3177332 | MMSM |
| Registration Number: | 2552196 | POWER MOS 7 |
| Registration Number: | 2683474 | POWER MOS IV |

| Property Type | Number | Word Mark |
|----------------------|----------|--------------------------------------|
| Registration Number: | 2166537 | POWER MOS V |
| Registration Number: | 2856178 | POWERMITE 3 |
| Registration Number: | 4849229 | QUANTUM |
| Registration Number: | 1534019 | |
| Registration Number: | 2296881 | THUNDERBOLT IGBT |
| Registration Number: | 2962199 | T-MAX |
| Registration Number: | 3004768 | ACTIPHY |
| Registration Number: | 1671656 | ADAPTEC |
| Registration Number: | 3289566 | PMC |
| Registration Number: | 3230420 | PMC |
| Registration Number: | 3264632 | PMC-SIERRA |
| Registration Number: | 2190349 | TACHYON |
| Registration Number: | 2678960 | TEMUX |
| Registration Number: | 1959483 | VITESSE |
| Registration Number: | 3814987 | VSCOPE |
| Registration Number: | 4277968 | ADAPTEC BY PMC |
| Registration Number: | 4262750 | SUPERDIVIDER |
| Registration Number: | 1600450 | DPT |
| Registration Number: | 1909170 | INTELLIGENT COMPUTER PERIPHERALS ICP |
| Registration Number: | 2137658 | ADAPTEC |
| Registration Number: | 3644421 | UNIFIED SERIAL ARCHITECTURE SAS SATA |
| Registration Number: | 4270519 | ADAPTEC BY PMC |
| Serial Number: | 87653500 | SMART CONNECTED SECURE |
| Serial Number: | 87653515 | SMART CONNECTED SECURE |
| Serial Number: | 87740795 | POWERSMART |
| Serial Number: | 87624201 | FLASHTEC |
| Serial Number: | 87624204 | SWITCHTEC |

CORRESPONDENCE DATA

Fax Number: 6502515002

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (650) 251-5027

Email: jmull@stblaw.com

Correspondent Name: Marcela Robledo

Address Line 1: 2475 Hanover Street

Address Line 4: Palo Alto, CALIFORNIA 94304

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|-------------------------|---------------|
| ATTORNEY DOCKET NUMBER: | 509265/2114 |
| NAME OF SUBMITTER: | J. Jason Mull |

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| SIGNATURE: | /J. Jason Mull/ |
| DATE SIGNED: | 06/26/2018 |
| Total Attachments: 16 source=Microchip - TM Security Agreement [Execution Version]#page1.tif source=Microchip - TM Security Agreement [Execution Version]#page2.tif source=Microchip - TM Security Agreement [Execution Version]#page3.tif source=Microchip - TM Security Agreement [Execution Version]#page4.tif source=Microchip - TM Security Agreement [Execution Version]#page5.tif source=Microchip - TM Security Agreement [Execution Version]#page6.tif source=Microchip - TM Security Agreement [Execution Version]#page7.tif source=Microchip - TM Security Agreement [Execution Version]#page8.tif source=Microchip - TM Security Agreement [Execution Version]#page9.tif source=Microchip - TM Security Agreement [Execution Version]#page10.tif source=Microchip - TM Security Agreement [Execution Version]#page11.tif source=Microchip - TM Security Agreement [Execution Version]#page12.tif source=Microchip - TM Security Agreement [Execution Version]#page13.tif source=Microchip - TM Security Agreement [Execution Version]#page14.tif source=Microchip - TM Security Agreement [Execution Version]#page15.tif source=Microchip - TM Security Agreement [Execution Version]#page16.tif | |

GRANT OF SECURITY INTEREST IN
TRADEMARK RIGHTS

This GRANT OF SECURITY INTEREST IN TRADEMARK RIGHTS (the "Agreement"), dated as of May 29, 2018, made by MICROCHIP TECHNOLOGY INCORPORATED, a Delaware corporation, together with the parties listed on the signature pages hereof (each a "Grantor", and collectively the "Grantors"), in favor of JPMorgan Chase Bank, N.A., a national banking association, with an address at 10 S. Dearborn, 7th Floor, Chicago, IL 60603-2300, as Administrative Agent (in such capacity, the "Administrative Agent") for the banks and other financial institutions or entities (the "Lenders") from time to time parties to the Amended and Restated Credit Agreement, dated as of May 29, 2018 (as may be amended, restated, supplemented or otherwise modified from time to time, the "Existing Credit Agreement"), among Microchip Technology Incorporated, a Delaware corporation ("Borrower"), the Lenders and the Administrative Agent.

WHEREAS, pursuant to the Existing Credit Agreement, the Lenders have severally agreed to make extensions of credit to the Borrower subject to the terms and conditions set forth therein; and

WHEREAS, pursuant to the Existing Credit Agreement, the Borrower and certain other Grantors (as defined in the Security Agreement) have executed and delivered an Amended and Restated Pledge and Security Agreement, dated as of May 29, 2018, in favor of the Administrative Agent (together with all amendments, restatements, supplements and modifications, if any, from time to time thereafter made thereto, the "Security Agreement"); and

WHEREAS, pursuant to the Security Agreement, each Grantor granted to the Administrative Agent, for the ratable benefit of the Secured Parties, a security interest in all of such Grantor's right, title, and interest in and to the Collateral, including the Trademarks; and

WHEREAS, each Grantor has duly authorized the execution, delivery and performance of this Agreement;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, each Grantor agrees as follows:

1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided or provided by reference in the Existing Credit Agreement and the Security Agreement.

2. Grant of Security Interest. Each Grantor hereby grants to the Administrative Agent, for the ratable benefit of the Secured Parties, a security interest in and continuing lien on

all of such Grantor's right, title and interest in and to all Trademarks (other than Excluded Assets) now owned or anytime hereafter acquired by such Grantor (including, without limitation, those items listed on Schedule A and B hereto) (collectively, the "Collateral").

3. Purpose. This Agreement has been executed and delivered by each Grantor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office. The security interest granted hereby has been granted to the Lenders in connection with the Security Agreement and is expressly subject to the terms and conditions thereof. The Security (and all rights and remedies of the Lenders thereunder) shall remain in full force and effect in accordance with its terms.

4. Acknowledgement. Each Grantor does hereby further acknowledge and affirm that the rights and remedies of the Lenders with respect to the security interest in the Collateral granted hereby are more fully set forth in the Existing Credit Agreement and the Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

5. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same original.

[Remainder of page intentionally blank; signatures on following pages]

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed and delivered by their respective officers thereunto duly authorized as of the day and year first above written.

MICROCHIP TECHNOLOGY INCORPORATED,
as a Grantor

By: J. Eric Bjornholt
Name: J. Eric Bjornholt
Title: Vice President and Chief Financial Officer

SILICON STORAGE TECHNOLOGY, INC.,
as a Grantor

By: J. Eric Bjornholt
Name: J. Eric Bjornholt
Title: Chief Financial Officer

ATMEL CORPORATION,
as a Grantor

By: J. Eric Bjornholt
Name: J. Eric Bjornholt
Title: Vice President and Chief Financial Officer

MICROSEMI CORPORATION,
as a Grantor

By: J. Eric Bjornholt
Name: J. Eric Bjornholt
Title: Chief Financial Officer

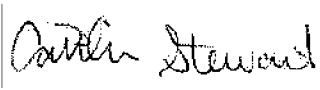
MICROSEMI STORAGE SOLUTIONS, INC.,
as a Grantor

By: J. Eric Bjornholt
Name: J. Eric Bjornholt
Title: Chief Financial Officer

[Signature Page to Trademark Security Agreement]

TRADEMARK
REEL: 006363 FRAME: 0751

JPMORGAN CHASE BANK, N.A.,
as Administrative Agent for the Lenders

By: 

Name: Caitlin Stewart
Title: Executive Director

[Signature Page to Trademark Security Agreement]

TRADEMARK
REEL: 006363 FRAME: 0752

SCHEDULE A

MICROCHIP TECHNOLOGY INCORPORATED UNITED STATES TRADEMARKS & TRADEMARK APPLICATIONS

| <u>Grantor</u> | <u>Mark</u> | <u>Country of Registration</u> | <u>Registration Date</u> | <u>Registration Number</u> |
|-----------------------------------|-------------|--------------------------------|--------------------------|----------------------------|
| Microchip Technology Incorporated | AnyRate | US | 18-Sep-01 | 2,490,401 |
| Microchip Technology Incorporated | CHIPKIT | US | 07-Oct-14 | 4,616,999 |
| Microchip Technology Incorporated | chipKIT | US | 07-Oct-14 | 4,617,000 |
| Microchip Technology Incorporated | ClockWorks | US | 14-Oct-14 | 4,619,553 |
| Microchip Technology Incorporated | dsPIC | US | 03-Jun-03 | 2,722,040 |
| Microchip Technology Incorporated | dsPIC | US | 27-Jul-04 | 2,867,714 |

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|-----------------------------------|---------------------|----|-----------|-----------|
| Microchip Technology Incorporated | EtherSynch | US | 17-Jun-14 | 4,552,090 |
| Microchip Technology Incorporated | FilterLAB | US | 11-Sep-01 | 2,488,852 |
| Silicon Storage Technology, Inc. | FLASHFLEX | US | 16-Jan-01 | 2,421,705 |
| Microchip Technology Incorporated | Heldo | US | 27-Jan-09 | 3,567,233 |
| Microchip Technology Incorporated | Hyper Speed Control | US | 31-Mar-15 | 4,712,668 |
| Microchip Technology Incorporated | HyperLight Load | US | 1-Sep-09 | 3,677,023 |
| Microchip Technology Incorporated | IntelliMOS | US | 16-Jun-15 | 4,756,280 |
| Microchip Technology Incorporated | K design | US | 06-Jan-98 | 2,127,732 |
| Microchip Technology Incorporated | KEELOQ | US | 18-Jul-95 | 1,906,190 |

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|-----------------------------------|------------------------|----|-----------|-----------|
| Microchip Technology Incorporated | LinkMD | US | 11-Apr-06 | 3,080,238 |
| Microchip Technology Incorporated | M DESIGN - new | US | 03-Oct-00 | 2,390,711 |
| Microchip Technology Incorporated | MICROCHIP and M DESIGN | US | 05-Sep-89 | 1,554,466 |
| Microchip Technology Incorporated | MPLAB | US | 22-Dec-09 | 3,729,988 |
| Microchip Technology Incorporated | MPLAB | US | 24-Jul-12 | 4,179,638 |
| Microchip Technology Incorporated | MPLAB | US | 24-Aug-99 | 2,272,863 |
| Microchip Technology Incorporated | mTouch | US | 11-Dec-12 | 4,255,921 |
| Microchip Technology Incorporated | PIC | US | 10-Nov-81 | 1,176,995 |
| Microchip Technology Incorporated | PIC32 | US | 06-Oct-09 | 3,691,024 |

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|-----------------------------------|--|----|-----------|-----------|
| Microchip Technology Incorporated | PICMICRO | US | 25-Aug-98 | 2,184,783 |
| Microchip Technology Incorporated | PICSTART | US | 07-Nov-95 | 1,932,666 |
| Microchip Technology Incorporated | Precision Edge | US | 18-Jan-05 | 2,919,406 |
| Microchip Technology Incorporated | PRO MATE | US | 13-Aug-96 | 1,993,881 |
| Microchip Technology Incorporated | QUIET-WIRE | US | 24-Jun-14 | 4,556,266 |
| Silicon Storage Technology, Inc. | SST | US | 29-Nov-05 | 3,019,668 |
| Silicon Storage Technology, Inc. | SST & DESIGN | US | 20-Jul-93 | 1,783,306 |
| Silicon Storage Technology, Inc. | SUPERFLASH | US | 22-Jun-93 | 1,778,284 |
| Microchip Technology Incorporated | THE EMBEDDED CONTROL SOLUTIONS COMPANY | US | 05-Feb-13 | 4,284,902 |

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|-----------------------------------|--|----|-----------|-----------|
| Microchip Technology Incorporated | THE EMBEDDED CONTROL SOLUTIONS COMPANY | US | 30-Jul-96 | 1,990,546 |
| Microchip Technology Incorporated | UNI/O | US | 19-Aug-08 | 3,490,318 |
| Microchip Technology Incorporated | SEEVAL | US | 26-Sep-95 | 1,921,791 |
| Microchip Technology Incorporated | SUPERSWITCHER | US | 16-May-17 | 5,205,284 |
| Microchip Technology Incorporated | MOTORBENCH | US | 22-May-18 | 5,475,676 |
| Atmel Corporation | ATMEL | US | 24-Jul-07 | 3267940 |
| Atmel Corporation | SAM-BA | US | 6-Nov-07 | 3330658 |
| Atmel Corporation | AVR (Stylized) | US | 16-Jun-98 | 2166210 |
| Atmel Corporation | AVR STUDIO | US | 11-Aug-98 | 2180449 |
| Atmel Corporation | QSLIDE | US | 23-Dec-08 | 3552073 |
| Atmel Corporation | QTOUCH | US | 23-Dec-08 | 3552071 |
| Atmel Corporation | QUICK CHANGE | US | 19-Jan-99 | 2219439 |
| Atmel Corporation | ATMEL | US | 28-Feb-89 | 1526686 |



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|-------------------|--|----|-----------|---------|
| Atmel Corporation | PICOPOWER | US | 7-Jul-09 | 3651724 |
| Atmel Corporation | ZIGBIT | US | 28-Jul-09 | 3661078 |
| Atmel Corporation | MEGAAVR (Stylized) | US | 30-Nov-99 | 2296708 |
| Atmel Corporation | XMEGA | US | 22-Jun-10 | 3807495 |
| Atmel Corporation | IDIC | US | 18-Jun-91 | 1648039 |
| Atmel Corporation | MAXTOUCH | US | 21-Jun-11 | 3981998 |
| Atmel Corporation | ENABLING UNLIMITED POSSIBILITIES | US | 7-Feb-12 | 4096763 |
| Atmel Corporation | PROCHIP DESIGNER | US | 18-Jun-02 | 2583686 |
| Atmel Corporation | CACHE LOGIC | US | 30-Jul-02 | 2601053 |
| Atmel Corporation | CRYPTOMEMORY | US | 24-Sep-02 | 2625572 |
| Atmel Corporation | ENABLING UNLIMITED POSSIBILITIES | US | 4-Dec-12 | 4254377 |
| Atmel Corporation | ENABLING UNLIMITED POSSIBILITIES | US | 4-Dec-12 | 4254378 |
| Atmel Corporation | MAXTOUCH | US | 18-Dec-12 | 4261667 |
| Atmel Corporation | MAXTOUCH | US | 8-Jan-13 | 4272527 |
| Atmel Corporation | XSENSE | US | 23-Jul-13 | 4373777 |
| Atmel Corporation | FPSLIC | US | 29-Jul-03 | 2742306 |

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|-------------------|-----------------------|----|-----------|---------|
| Atmel Corporation | MAXCHARGER | US | 27-Aug-13 | 4393081 |
| Atmel Corporation | MAXSTYLUS | US | 10-Sep-13 | 4400729 |
| Atmel Corporation | MAXSTYLUS | US | 10-Sep-13 | 4400730 |
| Atmel Corporation | MAXSTYLUS | US | 11-Mar-14 | 4495228 |
| Atmel Corporation | MAXFUSION | US | 5-Aug-14 | 4581576 |
| Atmel Corporation | TINYAVR | US | 10-Aug-04 | 2872181 |
| Atmel Corporation | STK | US | 17-Aug-04 | 2875391 |
| Atmel Corporation | MEGAAVR | US | 17-Aug-04 | 2875390 |
| Atmel Corporation | AVRFREAKS | US | 5-Oct-04 | 2891156 |
| Atmel Corporation | LOGIC DOUBLING | US | 2-Nov-04 | 2900141 |
| Atmel Corporation | CRYPTORF | US | 26-Apr-05 | 2944831 |
| Atmel Corporation | MAXSTYLUS | US | 14-Jul-15 | 4773192 |
| Atmel Corporation | ATMEL (Logo) (New) | US | 3-Nov-15 | 4844537 |
| Atmel Corporation | AVR | US | 4-Apr-06 | 3075678 |
| Atmel Corporation | ATMEL | US | 23-Jan-07 | 3201937 |
| Atmel Corporation | ATMEL | US | 24-Dec-96 | 2025438 |
| Atmel Corporation | DATAFLASH | US | 9-Jun-98 | 2164517 |

| <u>Grantor</u> | <u>Submitted Mark</u> | <u>Country of Application</u> | <u>Filing Date</u> | <u>Application Serial Number</u> |
|-----------------------------------|------------------------------|-------------------------------|--------------------|----------------------------------|
| Microchip Technology Incorporated | SMART CONNECTED SECURE | US | 20-Oct-17 | 87/653,500 |
| Microchip Technology Incorporated | SMART CONNECTED SECURE | US | 20-Oct-17 | 87/653,515 |
| Microchip Technology Incorporated | POWERSMART | US | 02-Jan-18 | 87/740,795 |

SCHEDULE B

MICROSEMI CORPORATION UNITED STATES TRADEMARKS & TRADEMARK APPLICATIONS

| <u>Grantor</u> | <u>Mark</u> | <u>App No</u> | <u>App Date</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|-----------------------|--|---------------|-----------------|----------------------------|--------------------------|
| MICROSEMI CORPORATION | APT | 74285445 | Jun 15, 1992 | 1753737 | Feb 23, 1993 |
| MICROSEMI CORPORATION | APT | 76104815 | Aug 7, 2000 | 2603685 | Aug 6, 2002 |
| MICROSEMI CORPORATION | I2MOS | 86147074 | Dec 18, 2013 | 4804750 | Sep 1, 2015 |
| MICROSEMI CORPORATION | MICROSEMI | 75696235 | 28-Apr-1999 | 2335792 | Mar 28, 2000 |
| MICROSEMI CORPORATION | MICROSEMI | 86016172 | Jul 22, 2013 | 4616039 | Oct 7, 2014 |
| MICROSEMI CORPORATION | Design Only  | 76627604 | Jan 12, 2005 | 3400428 | Mar 25, 2008 |
| MICROSEMI CORPORATION | MICROSEMI and Design  | 85525326 | Jan 25, 2012 | 4339595 | May 21, 2013 |
| MICROSEMI CORPORATION | MMSM | 76110512 | Aug 17, 2000 | 3177332 | Nov 28, 2006 |

| <u>Grantor</u> | <u>Mark</u> | <u>App No</u> | <u>App Date</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|-----------------------------------|---|---------------|-----------------|----------------------------|--------------------------|
| MICROSEMI CORPORATION | POWER MOS 7 | 76153383 | Oct 24, 2000 | 2552196 | Mar 26, 2002 |
| MICROSEMI CORPORATION | POWER MOS IV | 76404088 | May 2, 2002 | 2683474 | Feb 4, 2003 |
| MICROSEMI CORPORATION | POWER MOS V | 75201291 | Nov 18, 1996 | 2166537 | Jun 16, 1998 |
| MICROSEMI CORPORATION | POWERMITE 3 | 75912836 | Feb 9, 2000 | 2856178 | Jun 22, 2004 |
| MICROSEMI CORPORATION | QUANTUM | 86398028 | Sep 17, 2014 | 4849229 | Nov 10, 2015 |
| MICROSEMI CORPORATION |  | 73715905 | Mar 10, 1988 | 1534019 | Apr 11, 1989 |
| MICROSEMI CORPORATION | THUNDERBOLT IGBT | 75449083 | Mar 12, 1998 | 2296881 | Nov 30, 1999 |
| MICROSEMI CORPORATION | T-MAX | 78302971 | Sep 19, 2003 | 2962199 | Jun 14, 2005 |
| Microsemi Storage Solutions, Inc. | ACTIPHY | 76534321 | Aug 4, 2003 | 3004768 | Oct 4, 2005 |
| Microsemi Storage Solutions, Inc. | ADAPTEC | 74149717 | Mar 20, 1991 | 1671656 | Jan 14, 1992 |
| Microsemi Storage Solutions, Inc. | PMC | 77032728 | Oct 30, 2006 | 3289566 | Sep 11, 2007 |

| <u>Grantor</u> | <u>Mark</u> | <u>App No</u> | <u>App Date</u> | <u>Registration Number</u> | <u>Registration Date</u> |
|--|---|---------------|-----------------|----------------------------|--------------------------|
| Microsemi Storage Solutions, Inc. | PMC (STYLIZED) | 78240756 | Apr 22, 2003 | 3230420 | Apr 17, 2007 |
| Microsemi Storage Solutions, Inc. | PMC-SIERRA | 78874666 | May 2, 2006 | 3264632 | Jul 17, 2007 |
| Microsemi Storage Solutions, Inc. | TACHYON | 75214917 | Dec 18, 1996 | 2190349 | Sep 22, 1998 |
| Microsemi Storage Solutions, Inc. | TEMUX | 76314525 | Sep 18, 2001 | 2678960 | Jan 21, 2003 |
| Microsemi Storage Solutions, Inc. | VITESSE | 74221981 | Nov 13, 1991 | 1959483 | Mar 5, 1996 |
| Microsemi Storage Solutions, Inc. | VSCOPE | 77385769 | Jan 31, 2008 | 3814987 | Jul 6, 2010 |
| Microsemi Storage Solutions, Inc. (formerly known as PMC-Sierra Inc.) | ADAPTEC BY PMC AND LOGO | 85255100 | Mar 1, 2011 | 4277968 | Jan 22, 2013 |
| Microsemi Corporation | SUPERDIVIDER | 85496658 | Dec 15, 2011 | 4262750 | Dec 18, 2012 |
| Microsemi Storage Solutions, Inc. | DPT | 73788483 | Mar 23, 1989 | 1600450 | Jun 12, 1990 |
| Microsemi Storage Solutions, Inc. (formerly known as PMC-Sierra Inc.) | INTELLIGENT COMPUTER PERIPHERALS ICP | 74289211 | Jun 29, 1992 | 1909170 | Aug 1, 1995 |
| Microsemi Storage Solutions, Inc. (formerly known as PMC-Sierra Inc.) | ADAPTEC | 74710442 | Aug 3, 1995 | 2137658 | Feb 17, 1998 |
| Microsemi Storage Solutions, Inc. | UNIFIED SERIAL ARCHITECTURE SAS SATA | 77386806 | Feb 1, 2008 | 3644421 | Jun 23, 2009 |
| Microsemi Storage Solutions, Inc. (formerly known as PMC-Sierra Inc.) | ADAPTEC BY PMC | 85255098 | Mar 1, 2011 | 4270519 | Jan 8, 2013 |

| Grantor | Submitted Mark | Status | Filing Date | Application Serial Number |
|-----------------------------------|----------------|---------|--------------|---------------------------|
| Microsemi Storage Solutions, Inc. | FLASHTEC | Pending | Sep 27, 2017 | 87624201 |
| Microsemi Storage Solutions, Inc. | SWITCHTEC | Pending | Sep 27, 2017 | 87624204 |