

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM484758

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Sanmina Corporation		08/03/2018	Corporation:
RECEIVING PARTY DATA			
Name:	U.S. Bank National Association, not in its individual capacity but solely as Notes Collateral Agent		
Street Address:	633 West Fifth Street, 24th Floor		
City:	Los Angeles		
State/Country:	CALIFORNIA		
Postal Code:	90071		
Entity Type:	National Banking Association: MINNESOTA		
PROPERTY NUMBERS Total: 1			
Property Type	Number	Word Mark	
Registration Number:	5488420	PORTS	
CORRESPONDENCE DATA			
Fax Number:	4159472099		
<i>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.</i>			
Phone:	4159472000		
Email:	qluflood@wsgr.com		
Correspondent Name:	WSGR, C/O QUI LU FLOOD, SENIOR PARALEGAL		
Address Line 1:	ONE MARKET, SPEAR TOWER, SUITE 3300		
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94105		
ATTORNEY DOCKET NUMBER:	6069.285		
NAME OF SUBMITTER:	Qui Lu Flood		
SIGNATURE:	/Qui Lu Flood/		
DATE SIGNED:	08/03/2018		
Total Attachments: 11			
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NOTICE OF SECURITY INTEREST IN TRADEMARKS AND PATENTS

This NOTICE OF SECURITY INTEREST IN TRADEMARKS AND PATENTS, effective as of August 3, 2018 (“Notice”) is made by Sanmina Corporation, a Delaware corporation (the “Grantor”), in favor of U.S. Bank National Association, not in its individual capacity but solely as Notes Collateral Agent (the “Notes Collateral Agent”), for its own benefit and the benefit of the other Secured Parties (as defined in the Security Agreement referred to below), in consideration of the mutual covenants contained herein and benefits to be derived herefrom.

W I T N E S S E T H:

WHEREAS, Grantor is a party to a Security Agreement, dated as of June 4, 2014, by and among Sanmina Corporation, the Notes Guarantors from time to time party thereto and U.S. Bank National Association for the benefit of the Notes Collateral Agent and the Secured Parties (as amended, modified, supplemented or restated and in effect from time to time, the “Security Agreement”);

WHEREAS, pursuant to the Security Agreement, Grantor has executed and delivered this Notice for the purpose of recording and confirming the grant of the security interest of the Notes Collateral Agent in the Trademark Collateral and Patent Collateral (each as defined below) with the United States Patent and Trademark Office;

NOW, THEREFORE, in consideration of the mutual conditions and agreements set forth herein and in the Security Agreement, and for good and valuable consideration, the receipt of which is hereby acknowledged, the Grantor and the Notes Collateral Agent, on its own behalf and on behalf of the other Secured Parties (and each of their respective successors or assigns), hereby agree as follows:

SECTION 1 Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2 Notice. Grantor hereby notifies the Notes Collateral Agent of Grantor’s filing applications for, being issued a registration in or receiving an issuance of the applications for registration of, or otherwise acquiring ownership of the registered or applied for Trademark Collateral and Patent Collateral (each as defined below).

SECTION 3 Grant of Security Interest. In furtherance and as confirmation of the Security Interest granted by the Grantor to the Notes Collateral Agent (for its own benefit and the benefit of the other Secured Parties) under the Security Agreement, and as further security for the payment or performance, as the case may be, in full of the Secured Obligations, the Grantor hereby ratifies such Security Interest and grants to the Notes Collateral Agent (for its own benefit and the benefit of the other Secured Parties) a continuing security interest, in all of the present and future right, title and interest of the Grantor in, to and under the following property, and each item thereof, whether now owned or existing or hereafter acquired or arising, together with all products, proceeds, substitutions, and accessions of or to any of the following property (collectively, the “Trademark and Patent Collateral”):

(a) All Trademarks, including, without limitation, the trademark registrations and trademark applications set forth on Exhibit A attached hereto (collectively, “Trademarks”);

(b) All Patents, including, without limitation, the patents and patent applications set forth on Exhibit B attached hereto (collectively, “Patents”);

(c) All Patent Licenses and Trademark Licenses (collectively, "Licenses") and all income, royalties, damages and payments now and hereafter due and/or payable under and with respect to the Trademarks and Patents, including, without limitation, payments under all Licenses entered into in connection therewith and damages and payments for past or future infringements, misappropriations or dilutions thereof;

(d) The right to sue for past, present and future infringements, misappropriations and dilutions of any of the Trademarks and Patents; and

(e) All of the Grantor's rights corresponding to any of the foregoing throughout the world.

Notwithstanding the foregoing, (i) no Trademark shall be included in the Trademark and Patent Collateral to the extent that the grant of a security interest in such Trademark would result in, permit or provide grounds for the cancellation or invalidation of such Trademark and (ii) in no event shall the Trademark and Patent Collateral include any Excluded Assets.

SECTION 4. Intent. This Notice is being executed and delivered by the Grantor for the purpose of recording and confirming the grant of the security interest of the Notes Collateral Agent in the Trademark and Patent Collateral with the United States Patent and Trademark Office. It is intended that the security interest granted pursuant to this Notice is granted in conjunction with, and not in addition to or limitation of, the Security Interest granted to the Notes Collateral Agent, for its own benefit and the benefit of the other Secured Parties, under the Security Agreement. All provisions of the Security Agreement shall apply to the Trademark and Patent Collateral, and such provisions are hereby incorporated herein by reference. The Notes Collateral Agent shall have the same rights, remedies, powers, privileges and discretions with respect to the security interests created in the Trademark and Patent Collateral as in all other Collateral. In the event of a conflict between this Notice and the Security Agreement, the terms of the Security Agreement shall control.

SECTION 5. Recordation. The Grantor authorizes and requests that the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government officer record this Notice.

SECTION 6. Governing Law. THIS NOTICE SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

SECTION 7. Termination; Release of Trademark and Patent Collateral. Upon termination of the Security Interest in the Trademark and Patent Collateral in accordance with the Security Agreement, the Notes Collateral Agent shall execute, acknowledge, and deliver to the Grantor, an instrument in writing in recordable form releasing the collateral pledge, grant, lien and security interest in the Trademark and Patent Collateral under this Notice. Any execution and delivery of termination statements, releases or other documents pursuant to this Section 7 shall be without recourse to, or warranty by, the Notes Collateral Agent or any other Secured Party.

SECTION 8. Concerning the Notes Collateral Agent. It is expressly understood and agreed that U.S. Bank National Association is executing this Notice solely in its capacity as Notes Collateral Agent as appointed pursuant to the Indenture, and shall be entitled to all of the rights, privileges, immunities and protections under the Indenture as if such rights, privileges, immunities and protections were set forth herein.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Grantor and the Notes Collateral Agent have caused this Notice to be executed by their duly authorized officers as of the date first above written.

GRANTOR:

SANMINA CORPORATION

By: David Anderson 8/2/18

Name: David Anderson

Title: Executive Vice President and
Chief Financial Officer

NOTES COLLATERAL AGENT:

U.S. BANK NATIONAL ASSOCIATION, not in its individual capacity but solely as Notes Collateral Agent

By: _____

Name: Paula Oswald
Title: Vice President

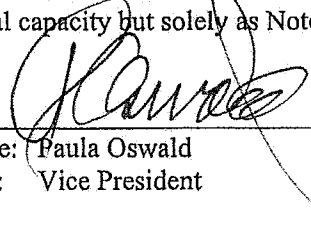
A handwritten signature in cursive script, appearing to read "Paula Oswald", is written over a horizontal line. The signature is fluid and somewhat stylized.

EXHIBIT A

Trademark Registrations and Applications

U.S. Federal Trademark Registrations and Applications

<u>Trademark</u>	<u>Status</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>
PORTS	Registered	5,488,420	6/5/2018

EXHIBIT B

Patents and Patent Applications

U.S. Patents and Patent Applications

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>
STORAGE SYSTEM WITH FLOW BASED SERVICES FOR FLASH STORAGE	9,973,424	5/15/2018
NETWORK SYSTEM WITH CACHE OFFLOAD SERVICE FOR FLASH STORAGE	9,940,241	4/10/2018
CABLE MANAGEMENT ASSEMBLY FOR RACK MOUNTED EQUIPMENT	9,936,601	4/3/2018
SYSTEM AND METHOD FOR A BIOSENSOR MONITORING AND TRACKING BAND	9,974,451	5/22/2018
SYSTEM AND METHOD FOR HEALTH MONITORING USING A NON-INVASIVE, MULTI-BAND BIOSENSOR	9,980,676	5/29/2018
SYSTEM AND METHOD FOR DETECTING A SEPSIS CONDITION	9,968,289	5/15/2018
SYSTEM AND METHOD FOR DETECTING A HEALTH CONDITION USING AN OPTICAL SENSOR	15/958,620	4/20/2018
SENSED BACK DRILL	62/662,076	4/24/2018
METHODS OF FORMING SEGMENTED VIAS FOR PRINTED CIRCUIT BOARDS	15/963,980	4/26/2018
DELAY CIRCUITRY TO HOLD UP POWER TO A MASS STORAGE DEVICE AND METHOD THEREFOR	15/971,712	5/4/2018
SYSTEM AND METHOD OF A BIOSENSOR FOR DETECTION OF VASODILATION	62/675,151	5/22/2018
MODULAR NON-VOLATILE MEMORY EXPRESS STORAGE APPLIANCE AND METHOD THEREFOR	15/997,686	6/4/2018
TILT-ROTOR MULTICOPTERS WITH VARIABLE PITCH PROPELLERS	16/004,316	6/8/2018
SYSTEM AND METHOD FOR BLOOD TYPING USING PPG TECHNOLOGY	16/019,518	6/26/2018
APPARATUSES AND METHODS FOR COOLING HIGH DENSITY ARRAYS OF NON-VOLATILE MEMORY MASS STORAGE DEVICES	15/959,127	4/20/2018

Acquired by Assignment

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>
COMPUTER SYSTEM PARTITIONING USING DATA TRANSFER ROUTING MECHANISM	7,921,188	4/5/2011
METHODS AND APPARATUS FOR SPECULATIVE PROBING AT A REQUEST CLUSTER	7,107,409	9/12/2006
METHODS AND APPARATUS FOR SPECULATIVE PROBING WITH EARLY COMPLETION AND DELAYED REQUEST	7,103,725	9/5/2006
METHODS AND APPARATUS FOR SPECULATIVE PROBING WITH EARLY COMPLETION AND EARLY REQUEST	7,107,408	9/12/2006
METHODS AND APPARATUS FOR SPECULATIVE PROBING OF A REMOTE CLUSTER	6,865,595	3/8/2005
METHODS AND APPARATUS FOR RESPONDING TO A REQUEST CLUSTER	7,395,379	7/1/2008
METHODS AND APPARATUS FOR RESPONDING TO A REQUEST CLUSTER	7,653,790	1/26/2010
METHODS AND APPARATUS FOR SPECULATIVE PROBING OF A REMOTE CLUSTER	7,103,636	9/5/2006
INTERRUPT HANDLING IN SYSTEMS HAVING MULTIPLE MULTI-PROCESSOR CLUSTERS	7,039,740	5/2/2006
TRANSACTION MANAGEMENT IN SYSTEMS HAVING MULTIPLE MULTI-PROCESSOR CLUSTERS	7,155,525	12/26/2006
ROUTING MECHANISMS IN SYSTEMS HAVING MULTIPLE MULTI-PROCESSOR CLUSTERS	7,281,055	10/9/2007
ADDRESS SPACE MANAGEMENT IN SYSTEMS HAVING MULTIPLE MULTI-PROCESSOR CLUSTERS	7,251,698	7/31/2007
METHODS AND APPARATUS FOR DISTRIBUTING SYSTEM MANAGEMENT SIGNALS	7,577,755	8/18/2009
METHODS AND APPARATUS FOR DISTRIBUTING SYSTEM MANAGEMENT SIGNALS	7,418,517	8/26/2008
TRANSACTION PROCESSING USING MULTIPLE PROTOCOL ENGINES IN SYSTEMS HAVING MULTIPLE MULTI-PROCESSOR CLUSTERS	8,185,602	5/22/2012
CACHE COHERENCE DIRECTORY EVICTION MECHANISMS IN MULTIPROCESSOR SYSTEMS WHICH MAINTAIN TRANSACTION ORDERING	6,934,814	8/23/2005
CACHE COHERENCE DIRECTORY EVICTION MECHANISMS FOR MODIFIED COPIES OF MEMORY LINES IN	6,920,532	7/19/2005

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>
MULTIPROCESSOR SYSTEMS		
CACHE COHERENCE DIRECTORY EVICTION MECHANISMS FOR UNMODIFIED COPIES OF MEMORY LINES IN MULTIPROCESSOR SYSTEMS	6,925,536	8/2/2005
METHODS AND APPARATUS FOR CANCELING A MEMORY DATA FETCH	7,162,589	1/9/2007
METHODS AND APPARATUS FOR MULTIPLE CLUSTER LOCKING	6,950,913	9/27/2005
METHODS AND APPARATUS FOR MANAGING PROBE REQUESTS	7,003,633	2/21/2006
METHODS AND APPARATUS FOR MANAGING PROBE REQUESTS	7,103,726	9/5/2006
MANAGING I/O ACCESSES IN MULTIPROCESSOR SYSTEMS	7,047,372	5/16/2006
METHODS AND DEVICES FOR INJECTING COMMANDS IN SYSTEMS HAVING MULTIPLE MULTI-PROCESSOR CLUSTERS	7,222,262	5/22/2007
METHODS AND APPARATUS FOR SENDING TARGETED PROBES	7,337,279	2/26/2008
MANAGING SPARSE DIRECTORY EVICTIONS IN MULTIPROCESSOR SYSTEMS VIA MEMORY LOCKING	7,024,521	4/4/2006
METHODS AND APPARATUS FOR PROVIDING CACHE STATE INFORMATION	7,272,688	9/18/2007
METHODS AND APPARATUS FOR MAINTAINING REMOTE CLUSTER STATE INFORMATION	7,346,744	3/18/2008
METHODS AND APPARATUS FOR PROVIDING EARLY RESPONSES FROM A REMOTE DATA CACHE	7,249,224	7/24/2007
METHODS AND APPARATUS FOR PROVIDING CACHE STATE INFORMATION	7,334,089	2/19/2008
COMMUNICATION BETWEEN MULTI-PROCESSOR CLUSTERS OF MULTI-CLUSTER COMPUTER SYSTEMS	7,103,823	9/5/2006
METHODS AND APPARATUS FOR EXTENDED PACKET COMMUNICATIONS BETWEEN MULTIPROCESSOR CLUSTERS	7,069,392	6/27/2006
SYNCHRONIZED COMMUNICATION BETWEEN MULTI-PROCESSOR CLUSTERS OF MULTICLUSTER COMPUTER SYSTEMS	7,159,137	1/2/2007
COMMUNICATION BETWEEN AND WITHIN MULTI-PROCESSOR CLUSTERS OF MULTICLUSTER COMPUTER SYSTEMS	7,395,347	7/1/2008

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>
RELIABLE COMMUNICATION BETWEEN MULTIPROCESSOR CLUSTERS OF MULTI-CLUSTER COMPUTER SYSTEMS	7,117,419	10/3/2006
BANDWIDTH, FRAMING AND ERROR DETECTION IN COMMUNICATIONS BETWEEN MULTIPROCESSOR CLUSTERS OF MULTI-CLUSTER COMPUTER SYSTEMS	7,386,626	6/10/2008
DYNAMIC MULTIPLE CLUSTER SYSTEM RECONFIGURATION	7,577,727	8/18/2009
MULTI-PROCESSING IN A BIOS ENVIRONMENT	7,194,660	3/20/2007
DATA CREDIT POOLING FOR POINT-TO-POINT LINKS	7,719,964	5/18/2010
REDUCING PROBE TRAFFIC IN MULTIPROCESSOR SYSTEMS	7,296,121	11/13/2007
COMPUTER SERVER ARCHITECTURE AND DIAGNOSTIC FRAMEWORK FOR TESTING SAME	7,080,284	7/18/2006
METHOD AND EQUIPMENT ADAPTED FOR MONITORING SYSTEM COMPONENTS OF A DATA PROCESSING SYSTEM	7,386,796	6/10/2008
METHOD, SYSTEM, SOFTWARE AND PROCESSOR FOR INITIALIZING INFORMATION SYSTEMS OPERATING IN HEADLESS AND NON-HEADLESS ENVIRONMENTS	7,225,327	5/29/2007
METHOD AND SYSTEM FOR ENABLING REMOTE ACCESS TO A COMPUTER SYSTEM	7,512,971	3/31/2009
METHOD AND SYSTEM FOR ENABLING REMOTE ACCESS TO A COMPUTER SYSTEM	7,908,648	3/15/2011
SYNTHESIS OF GLOBAL TRANSACTION TAGS	7,561,572	7/14/2009
FACILITATING HANDLING OF EXCEPTIONS IN A PROGRAM IMPLEMENTING A M-ON-N THREADING MODEL	7,877,629	1/25/2011
METHOD FOR SHARING A DATA STORE ACROSS EVENT MANAGEMENT FRAMEWORKS AND SYSTEM COMPRISING SAME	7,647,596	1/12/2010
METHOD FOR FACILITATING UNIFICATION OF EVENT FRAMEWORK VIEWS AND SYSTEM COMPRISING SAME	7,694,309	4/6/2010
METHOD FOR EFFICIENTLY RETRIEVING TOPOLOGY-SPECIFIC DATA FOR POINT-TO-POINT NETWORKS	7,492,716	2/17/2009
METHOD FOR EFFICIENTLY RETRIEVING TOPOLOGY-SPECIFIC DATA FOR POINT-TO-POINT NETWORKS	8,411,591	4/2/2013
TRANSACTION PROCESSING USING MULTIPLE PROTOCOL ENGINES	8,572,206	10/29/2013
METHOD FOR EFFICIENTLY RETRIEVING TOPOLOGY-SPECIFIC DATA FOR POINT-TO-POINT NETWORKS	8,811,232	8/19/2014

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>
TRANSACTION PROCESSING USING MULTIPLE PROTOCOL ENGINES	8,898,254	11/25/2014
METHODS AND APPARATUS FOR STATIC AND DYNAMIC POWER MANAGEMENT OF COMPUTER SYSTEMS	6,986,069	1/10/2006
METHOD FOR EFFICIENTLY CALCULATING DEADLOCK-FREE OPTIMAL ROUTING MATRICES FOR N-NODE POINT TO POINT NETWORKS	11/258,228	10/24/2005
MULTIPLE PROTOCOL ENGINE TRANSACTION PROCESSING	14/531,993	11/3/2014

Foreign Patents and Patent Applications

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>	<u>Country</u>
SYSTEM AND METHOD FOR DETECTING A SEPSIS CONDITION	18167950.7	4/18/2018	EP
TILT-ROTOR HELICOPTERS WITH VARIABLE PITCH PROPELLERS	PCT/US2018/036979	6/11/2018	WO
SYSTEM AND METHOD FOR BLOOD TYPING USING PPG TECHNOLOGY	PCT/US2018/038127	6/18/2018	WO
SYSTEM AND METHOD FOR HEALTH MONITORING INCLUDING A USER DEVICE AND BIOSENSOR	17736541.8	6/25/2018	EP

Acquired by Assignment

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>	<u>Country</u>
COMPUTER SYSTEM PARTITIONING USING DATA TRANSFER ROUTING MECHANISM	2002324671	1/8/2009	Australia
METHODS AND APPARATUS FOR MULTIPLE CLUSTER LOCKING	1561162	1/17/2007	Germany
METHODS AND APPARATUS FOR MULTIPLE CLUSTER LOCKING	1561162	1/17/2007	France
METHODS AND APPARATUS FOR MULTIPLE CLUSTER LOCKING	1561162	1/17/2007	UK
METHODS AND APPARATUS FOR MULTIPLE CLUSTER LOCKING	1561162	1/17/2007	Italy
METHODS AND APPARATUS FOR PROVIDING EARLY RESPONSES FROM A REMOTE DATA CACHE	1652091	3/16/2011	UK
METHODS AND APPARATUS FOR PROVIDING CACHE STATE INFORMATION	200480020505.9	11/26/2008	China
DYNAMIC MULTIPLE CLUSTER SYSTEM RECONFIGURATION	200480024015.6	9/29/2010	China
COMPUTER SYSTEM PARTITIONING USING DATA TRANSFER ROUTING MECHANISM	02759329.2	8/9/2002	EP