

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT  |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT  |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>                                   |
| AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.   | 12/30/2016  |
| <b>RECEIVING PARTY DATA</b>   |   |
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| <b>City:</b>  | HSINCHU CITY  |
| <b>State/Country:</b>   | TAIWAN  |
| <b>Postal Code:</b>   | 30077   |
| <b>PROPERTY NUMBERS Total: 5</b>  |   |
| <b>Property Type</b>  | <b>Number</b>   |
| <b>Application Number:</b>  | 14338570  |
| <b>Patent Number:</b>   | 8144160   |
| <b>Patent Number:</b>   | 8375115   |
| <b>Patent Number:</b>   | 9024878   |
| <b>Patent Number:</b>   | 8838856   |
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| <b>ATTORNEY DOCKET NUMBER:</b>  | TF05A17001  |
| <b>NAME OF SUBMITTER:</b>   | I-VAN SU  |
| <b>SIGNATURE:</b>   | /Ivan Su/   |
| <b>DATE SIGNED:</b>   | 05/08/2017  |
| <b>Total Attachments: 2</b>   |   |
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## PATENT ASSIGNMENT

This PATENT ASSIGNMENT (this "Assignment") is made as of December 30, 2016 from AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD., a limited company incorporated under the laws of Singapore ("Assignor"), to ASPEED TECHNOLOGY INC., a Taiwan company ("Assignee").

ASSIGNOR is the owner of certain patents and patent applications identified on Schedule "A" attached hereto (the "Assigned Patents").

Assignee desires to acquire the entire right, title and interest of Assignor in and to the Assigned Patents.

For good and valuable consideration paid by the Assignee, the receipt of which is hereby acknowledged, Assignor does hereby sell, assign and transfer to the Assignee, Assignor's entire right, title and interest in and to the Assigned Patents, in the U.S. and every foreign country, and all patent rights, including extensions or derivations thereof, both foreign and domestic, that exist and may issue on the Assigned Patents.

Assignor hereby authorizes and requests the Commissioner of Patents that all U.S. patents that issue on the Assigned Patents shall issue to Assignee. This assignment includes assignment to Assignee of the right to make application in its own behalf for protection of the Assigned Patents and any patents issued on the Assigned Patents, in the U.S. and countries foreign to the U.S., and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of any earlier U.S. application (or any other application on the invention) to gain priority with respect to other applications. The Assigned Patents and all patents that issue on the Assigned Patents shall be held and enjoyed by the Assignee, its successors and assigns as fully and entirely as the same would have been held and enjoyed by the Assignor had this assignment not been made.

Assignor covenants and agrees to execute such further and confirmatory assignments in recordable form as the Assignee may require to vest record title of said respective Assigned Patents in Assignee.

IN WITNESS WHEREOF, the Assignor has caused this Assignment to be executed by a duly authorized officer.

AVAGO TECHNOLOGIES GENERAL  
IP (SINGAPORE)

By: 

Name: Thomas H. Krause, Jr.

Title: Chief Financial Officer

**SCHEDULE A  
ASSIGNED PATENTS**

| Country | Status  | Publication Number | Application | Foreign equivalents |
|---------|---------|--------------------|-------------|---------------------|
| US      | Granted | 8,144,160          | 12/031112   | none                |
| US      | Granted | 8,375,115          | 12/030963   | none                |
| US      | Granted | 8,838,856          | 12/031032   | none                |
| US      | Granted | 9,024,878          | 12/031056   | none                |
| US      | Pending | 2016-0028804       | 14/338570   | none                |