ALLEGRO MICROSYSTEMS, INC.

AUDIT COMMITTEE CHARTER

A. PURPOSE

The purpose of the Audit Committee (the "***Committee***") of the Board of Directors (the "***Board***") of Allegro MicroSystems, Inc. (the "***Company***") is to assist the Board's oversight of the Company's accounting and financial reporting processes and the audits of the Company's financial statements.

The provisions herein are subject to any applicable exemptions and transition periods under the stock exchange where the Company's securities are listed and the rules and regulations of the U.S. Securities and Exchange Commission (the "***SEC***").

B. STRUCTURE AND MEMBERSHIP

1. Number. Except as otherwise permitted by the applicable rules of The Nasdaq Stock Market LLC ("***Nasdaq***"), the Committee shall consist of at least three members of the Board.

2. Independence. Except as otherwise permitted by the applicable Nasdaq rules, each member of the Committee shall be an "independent director" (as defined by Nasdaq Rule 5605(a)(2)), meet the criteria for independence set forth in Rule 10A-3(b)(1) under the Securities Exchange Act of 1934, as amended (the "***Exchange Act***"), and not have participated in the preparation of the financial statements of the Company or any current subsidiary of the Company at any time during the past three years.

3. Financial Literacy. Each member of the Committee must be able to read and understand fundamental financial statements, including the Company's balance sheet, income statement and cash flow statement, at the time of his or her appointment to the Committee. In addition, at least one member must have past employment experience in finance or accounting, requisite professional certification in accounting or any other comparable experience or background which results in the individual's financial sophistication, including being or having been a chief executive officer, chief financial officer or other senior officer with financial oversight responsibilities. Unless otherwise determined by the Board (in which case disclosure of such determination shall be made in the Company's annual report filed with the SEC), at least one member of the Committee shall be an "audit committee financial expert" (as defined by applicable SEC rules).

4. Chairperson. Unless the Board elects a Chairperson of the Committee, the Committee shall elect a Chairperson by majority vote.

5. Compensation. The compensation of Committee members shall be as determined by the Board. No member of the Committee may receive, directly or indirectly, any consulting, advisory or other compensatory fee from the Company or any of its subsidiaries, other than fees paid in his or her capacity as a member of the Board or of a committee of the Board.

6. Selection and Removal. Members of the Committee shall be appointed by the Board. The Board may remove members of the Committee from such Committee, with or without cause.

7. Rules and Procedures. The Committee has the authority to establish its own rules and procedures for notice and conduct of its meetings so long as they are not inconsistent with any provisions of the Company's bylaws that are applicable to the Committee.

C. AUTHORITY AND RESPONSIBILITIES

General

The Committee shall discharge its responsibilities, and shall assess the information provided by the Company's management and the Company's registered public accounting firm (the "***independent auditor***"), in accordance with its business judgment. Management is responsible for the preparation, presentation and integrity of the Company's financial statements, for the appropriateness of the accounting principles and reporting policies that are used by the Company and for establishing and maintaining adequate internal control over financial reporting. The independent auditor is responsible for auditing the Company's financial statements and the Company's internal control over financial reporting and for reviewing the Company's unaudited interim financial statements. The authority and responsibilities set forth in this Charter do not reflect or create any duty or obligation of the Committee to plan or conduct any audit, to determine or certify that the Company's financial statements are complete, accurate, fairly presented, or in accordance with accounting principles generally accepted in the United States of America ("***GAAP***") or applicable law, or to guarantee the independent auditor's reports.

Oversight of Independent Auditor

1. Selection. The Committee shall be solely and directly responsible for appointing, evaluating, retaining and, when necessary, terminating the engagement of the independent auditor.

2. Independence. The Committee shall take, or recommend that the full Board take, appropriate action to oversee the independence of the independent auditor. In connection with this responsibility, the Committee shall obtain and review the written disclosures and the letter from the independent auditor required by applicable requirements of the Public Company Accounting Oversight Board (the "***PCAOB***") regarding the independent auditor's communications with the Committee concerning independence. The Committee shall actively engage in dialogue with the independent auditor concerning any disclosed relationships or services that might impact the objectivity and independence of the auditor.

3. Compensation. The Committee shall have sole and direct responsibility for setting the compensation of the independent auditor. The Committee is empowered, without further action by the Board, to cause the Company to pay the compensation of the independent auditor established by the Committee.

4. Pre-approval of Services. The Committee, or the Chair of the Committee, shall pre-approve all audit services to be provided to the Company, whether provided by the principal auditor or other firms, and all other services (review, attest and non-audit) to be provided to the

Company by the independent auditor; provided, however, that *de minimis* non-audit services may instead be approved in accordance with applicable SEC rules.

5. Oversight. The independent auditor shall report directly to the Committee, and the Committee shall have sole and direct responsibility for overseeing the work of the independent auditor, including resolution of disagreements between Company management and the independent auditor regarding financial reporting. In connection with its oversight role, the Committee shall, from time to time as appropriate, receive and consider the reports and other communications required to be made by the independent auditor regarding:

- critical accounting policies and practices;
- alternative treatments within GAAP for policies and practices related to material items that have been discussed with Company management, including ramifications of the use of such alternative disclosures and treatments, and the treatment preferred by the independent auditor;
- other material written communications between the independent auditor and Company management; and
- the other matters addressed in applicable PCAOB standards and SEC rules.

6. PCAOB Inspections. The Committee shall request the independent auditor to provide relevant information about inspections of the firm by the PCAOB, including the following:

- whether any audit overseen by the Committee is selected by the PCAOB for an inspection and, if so, the findings of the inspection;
- whether the PCAOB's inspection of other audits performed by the firm raised auditing or accounting issues similar to those presented in the Company's audit;
- the firm's response to PCAOB findings; and
- the firm's remedial efforts in light of any quality control deficiencies that may have been identified by the PCAOB.

Financial Statements

7. Review and Discussion. The Committee shall review and discuss with the Company's management and independent auditor prior to their public disclosure the Company's audited financial statements and quarterly financial statements, including the matters required to be discussed by applicable PCAOB standards and SEC rules. Furthermore, the Committee shall review and discuss with management the Company's earnings press releases as well as financial information and earnings guidance provided to analysts and ratings agencies prior to public disclosure.

8. Recommendation to Board Regarding Audited Financial Statements. The Committee shall consider whether it will recommend to the Board that the Company's audited financial statements be included in the Company's Annual Report on Form 10-K.

9. Audit Committee Report. The Committee shall prepare an annual committee report for inclusion where necessary in the proxy statement of the Company relating to its annual meeting of stockholders.

Review of Other Financial Disclosures

10. Independent Auditor Review of Interim Financial Statements. The Committee shall direct the independent auditor to use its best efforts to perform all reviews of interim financial information prior to disclosure by the Company of such information and to discuss promptly with the Committee and the Chief Financial Officer any matters identified in connection with the auditor's review of interim financial information which are required to be discussed by applicable auditing standards. The Committee shall direct management to advise the Committee in the event that the Company proposes to disclose interim financial information prior to completion of the independent auditor's review of interim financial information.

Controls and Procedures

11. Oversight. The Committee shall coordinate the Board's oversight of the Company's internal control over financial reporting, disclosure controls and procedures and code of conduct.

12. Risk Management. The Committee shall discuss the Company's policies with respect to risk assessment and risk management, including guidelines and policies to govern the process by which the Company's exposure to risk is handled, and oversee management of the Company's financial risks, cybersecurity risks and, as necessary or advisable, such other material risks facing the Company, as identified as part of the Company's enterprise risk management program ("***ERM***"). The Committee shall oversee ERM on behalf of the Board and provide regular updates to the Board on ERM.

13. Procedures for Complaints. The Committee shall establish procedures for (i) the receipt, retention and treatment of complaints received by the Company regarding accounting, internal accounting controls or auditing matters; and (ii) the confidential, anonymous submission by employees of the Company of concerns regarding questionable accounting or auditing matters. The Committee shall also oversee the Company's anonymous, ethics alert line established for internal and external parties to raise financial, ethical or other codes of conduct concerns or incidents with respect to Company employees, directors and third parties doing business with or on behalf of the Company.

14. Oversight of Related Person Transactions. The Committee shall periodically review the Company's policies and procedures for reviewing and approving or ratifying "related person transactions" (defined as transactions required to be disclosed pursuant to Item 404 of Regulation S-K), including the Company's Related Person Transaction Policy, and recommend any changes to the Board. In accordance with the Company's Related Person Transaction Policy and the Nasdaq rules, the Committee shall conduct appropriate review and oversight of all related person transactions for potential conflict of interest situations on an ongoing basis.

15. Oversight of Company Investment Policies. The Committee shall oversee and periodically review the Company's investment policies and shall recommend any changes to the Board.

16. Oversight of the Company's Internal Audit Function. The Committee shall oversee and periodically review the Company's Internal Audit Charter (the "***IA Charter***") and shall perform its duties, as specified in the IA Charter. Any amendments to the IA Charter shall be approved by the Committee.

17. Additional Duties. In addition to the duties and responsibilities expressly delegated to the Committee in this Charter, the Committee may exercise any other powers and carry out any other responsibilities consistent with this Charter, the purposes of the Committee, the Company's organizational documents and other governance policies and applicable Nasdaq rules.

D. PROCEDURES AND ADMINISTRATION

1. Meetings. The Committee shall meet as often as it deems necessary in order to perform its responsibilities. The Committee shall periodically meet separately with: (i) the independent auditor; (ii) Company management; and (iii) the Company's internal auditors. The Committee shall keep such records of its meetings as it shall deem appropriate. Each member of the Committee will have one vote. A majority of the members of the Committee will constitute a quorum. The Committee may act by the affirmative vote of a majority of the Committee members present at any meeting at which a quorum is present or by the unanimous written consent of all of the Committee members.

2. Subcommittees. The Committee may form and delegate authority to one or more subcommittees, as it deems appropriate from time to time under the circumstances (including a subcommittee consisting of a single member). Any decision of a subcommittee to pre-approve audit, review, attest or non-audit services shall be presented to the full Committee at its next scheduled meeting.

3. Reports to the Board. The Committee shall report regularly to the Board regarding the activities of the Committee.

4. Charter. At least annually, the Committee shall review and reassess the adequacy of this Charter and recommend any proposed changes to the Board for approval.

5. Independent Advisors. The Committee is authorized, without further action by the Board, to engage such independent legal, accounting and other advisors as it deems necessary or appropriate to carry out its responsibilities. Such independent advisors may be the regular advisors to the Company. The Committee is empowered, without further action by the Board, to cause the Company to pay the compensation of such advisors as established by the Committee.

6. Investigations. The Committee shall have the authority to conduct or authorize investigations into any matters within the scope of its responsibilities as it shall deem appropriate, including the authority to request any officer, employee or advisor of the Company to meet with the Committee or any advisors engaged by the Committee.

7. Funding. The Committee is empowered, without further action by the Board, to cause the Company to pay the ordinary administrative expenses of the Committee that are necessary or appropriate in carrying out its duties.

8. Self-Evaluation. The Committee shall periodically evaluate its own performance.

E. Stockholders Agreement

For so long as the Stockholders Agreement is in effect, this Charter shall be interpreted to be consistent with such agreement.

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Amended: August 4, 2026