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the office of the Secretary of State
of the State of California

JUN 20 2005

**AMENDED AND RESTATED
ARTICLES OF INCORPORATION
OF
AKROS SILICON, INC.**

J. Francois Crepin certifies that:

1. He is the President and Secretary of Akros Silicon, Inc., a California corporation.
2. The Articles of Incorporation of this corporation are amended and restated to read as follows:

ARTICLE I.

The name of this corporation is Akros Silicon, Inc., hereinafter referred to as the "Company" or the "corporation."

ARTICLE II.

The purpose of this corporation is to engage in any lawful act or activity for which a corporation may be organized under the General Corporation Law of California other than the banking business, the trust company business or the practice of a profession permitted to be incorporated by the California Corporations Code.

ARTICLE III.

This corporation is authorized to issue two classes of stock, designated "Common Stock" and "Preferred Stock," respectively. The total number of shares of Common Stock this corporation is authorized to issue is Thirty Million (30,000,000). The total number of shares of Preferred Stock this corporation is authorized to issue is Eight Million Nine Hundred Thousand (8,900,000).

There is hereby authorized one series of Preferred Stock, designated "Series A Preferred Stock." The number of shares of Series A Preferred Stock (the "Series A Preferred") the corporation is authorized to issue is Eight Million Nine Hundred Thousand (8,900,000).

ARTICLE IV.

The rights, preferences, privileges and restrictions granted to and imposed on the Common Stock and the Preferred Stock are as follows:

1. Dividends

The holders of the Series A Preferred shall be entitled to receive, when and as declared by the Board of Directors, dividends out of funds legally available therefor, prior and in preference to any declaration or payment of any dividend on the Common Stock of the Company, at the rate of \$0.08 per annum, for each share of Series A Preferred then held by them (as adjusted for stock splits, stock dividends or distributions, recapitalizations, and similar events). Such dividends shall not be cumulative and no right to such dividends shall accrue to holders of Series A Preferred unless declared by the Board of Directors. No dividends or other distributions shall be made with respect to the Common Stock, other than dividends payable solely in Common Stock, unless at the same time an equivalent dividend with respect to the Series A Preferred is paid.

2. Liquidation Preference.

(a) The Series A Preferred. In the event of any Liquidation (defined below) of this Corporation, either voluntary or involuntary, the holders of Series A Preferred shall be entitled to receive, prior and in preference to any distribution of any of the assets or surplus funds of the Corporation to the holders of the Common Stock, an amount equal to \$1.03 per share for each share of Series A Preferred then held by them (as adjusted for any stock dividends, stock splits, recapitalizations, combinations, consolidations, or the like) plus an amount equal to any declared but unpaid dividends on the Series A Preferred (the "Series A Preference"). If upon a Liquidation, the assets shall be insufficient to pay the holders of the Series A Preferred the full Series A Preference, the holders of the Series A Preferred shall share ratably in any distribution of assets according to the respective amounts which would be payable in respect of the shares held by them upon such distribution if all amounts payable on or with respect to said shares were paid in full.

(b) Preferred Stock and Common Stock. Upon the completion of the distribution required by Section 2(a) above, the remaining assets of the Corporation available for distribution to stockholders shall be distributed among the holders of the Series A Preferred and the holders of the Common Stock, pro rata based on the number of shares of Common Stock (on an as converted basis) held by each.

(c) "Liquidation" shall mean (A) a liquidation, dissolution or winding up of this Corporation, whether voluntary or involuntary; (B) a sale, license or other transfer of all or substantially all of this Corporation's assets or intellectual property; (C) a sale, transfer or exchange of 50% or more of this Corporation's outstanding stock in one transaction or a series of related transactions, which, if issued at the same time, would constitute a transfer of 50% or more of the outstanding voting power of this Corporation or (D) a consolidation, merger or reorganization of this Corporation with or into any other entity if this Corporation's shareholders do not control a majority of the outstanding voting securities of such consolidated, merged or reorganized entity; provided,

however, that any event described in (A), (B), (C) or (D) above shall not be deemed to be a Liquidation under this Section 2 in the event that the holders of at least two-thirds of the Series A Preferred, voting as a separate class, determine that such action should not be deemed a Liquidation.

(d) Any securities to be delivered to the holders of Series A Preferred pursuant to Section 2(a) or (b) above shall be valued as follows:

(i) Securities not subject to investment letter or other similar restrictions on free marketability:

(1) If traded on a securities exchange or the Nasdaq National Market System, the value shall be deemed to be the average of the closing prices of the securities on such exchange over the 30-day period ending three (3) days prior to the closing;

(2) If actively traded over-the-counter, the value shall be deemed to be the average of the closing bid or sale prices (whichever are applicable) over the 30-day period ending three (3) days prior to the closing; and

(3) If there is no active public market, the value shall be the fair market value thereof, as mutually determined by the Corporation.

(ii) The method of valuation of securities subject to investment letter or other restrictions on free marketability shall be to make an appropriate discount from the market value determined as above in subsections 2(d)(i)(1), (2) or (3) to reflect the approximate fair market value thereof, as mutually determined by the Corporation and the holders of a majority of the voting power of all then outstanding shares of the Series A Preferred.

(e) In the event the requirements of Section 2(d) are not complied with, the Corporation shall forthwith either:

(i) cause the closing of the applicable transaction to be postponed until such time as the requirements of this Section 2 have been complied with, or

(ii) cancel such transaction, in which event the rights, preferences and privileges of the holders of the Series A Preferred shall revert to and be the same as such rights, preferences and privileges existing immediately prior to the date of the first notice referred to in Section 3(h) hereof.

(f) As authorized by Section 402.5(c) of the California Corporations Code, the provisions of Sections 502 and 503 of the California Corporations Code shall not apply with respect to repurchase by the Corporation of shares of Common Stock issued to or held by employees or consultants of the Corporation or its subsidiaries upon termination of their employment or services pursuant to agreement providing for the right of said repurchase.

3. Conversion.

The holders of Series A Preferred shall have conversion rights as follows (the "Conversion Rights"):

(a) Right to Convert. Each share of Series A Preferred shall be convertible, at the option of the holder thereof, at any time after the date of issuance of such share at the office of the Corporation or any transfer agent for the Series A Preferred. Each share of Series A Preferred shall be convertible into such number of fully paid and nonassessable shares of Common Stock as is determined by dividing the Conversion Price (as hereinafter defined) per share then in effect for the Series A Preferred into the per share Conversion Value (as hereinafter defined) of such series.

The Conversion Price per share of Series A Preferred shall be initially \$1.03, and the per share Conversion Value of Series A Preferred shall be \$1.03. The Conversion Price of Series A Preferred shall be subject to adjustment from time to time as provided below. The number of shares of Common Stock to which a share of Series A Preferred is convertible is hereinafter referred to as the Conversion Rate of such share.

(b) Automatic Conversion. Each share of Series A Preferred shall automatically be converted into shares of Common Stock at the then effective Conversion Rate for each series of Preferred upon the earlier of (A) the date specified by written consent or agreement of the holders of at least two-thirds of the then-outstanding shares of the Series A Preferred, voting together as a single class or (B) the closing of a firm commitment underwritten public offering pursuant to an effective registration statement under the Securities Act of 1933, as amended, covering the offer and sale of Common Stock for the account of the Corporation with an offering price to the public of not less than \$5.15 (subject to arithmetic adjustment in the event of any stock splits, stock dividends, combinations of shares or other such events relating to the Common Stock after the date hereof) and an aggregate offering price of not less than \$25,000,000. In the event of the automatic conversion of the Series A Preferred upon a public offering as aforesaid, the person(s) entitled to receive the Common Stock issuable upon such conversion of the Series A Preferred shall not be deemed to have converted such Series A Preferred until immediately prior to the closing of the sale of securities in such public offering.

(c) Mechanics of Conversion. No fractional shares of Common Stock shall be issued upon conversion of Series A Preferred. In lieu of any fractional shares to which the holder would otherwise be entitled, the Corporation shall pay cash equal to the fair value of such fraction. Before any holder of Series A Preferred shall be entitled to convert the same into full shares of Common Stock and to receive certificates therefor, he shall surrender the certificate or certificates therefor, duly endorsed, at the office of the Corporation or of any transfer agent for the Series A Preferred, and shall give written notice to the Corporation at such office that he elects to convert the same. In the event of an automatic conversion pursuant to Section 3(b), the outstanding shares of Series A Preferred shall be converted automatically without any further action by the holders of such shares and whether or not the certificates representing such shares are surrendered to the Corporation or its transfer agent; provided, however, that the Corporation shall not be obligated to issue certificates with respect to shares of Common Stock issuable upon such automatic conversion unless the certificates evidencing such shares of Series A Preferred are either delivered to the Corporation

or its transfer agent as provided above, or the holder notifies the Corporation or its transfer agent that such certificates have been lost, stolen or destroyed and executes an agreement satisfactory to the Corporation to indemnify the Corporation from any loss incurred by it in connection with such certificates. The Corporation shall, as soon as practicable after such delivery, or such agreement and indemnification in the case of a lost certificate, issue and deliver at such office to such holder of Series A Preferred, a certificate or certificates for the number of shares of Common Stock to which such Holder shall be entitled as aforesaid and a check payable to the holder in the amount of any cash amounts payable as the result of a conversion into fractional shares of Common Stock. Such conversion shall be deemed to have been made immediately prior to the close of business on the date of such surrender of the shares of Series A Preferred to be converted, in the case of automatic conversion pursuant to subsection 3(b)(A), or on the date requisite consent or agreement of the minimum required percentage of holders shall have been obtained, in the case of automatic conversion pursuant to subsection 3(b)(B), immediately prior to the closing of the public offering, and the person or persons entitled to receive the shares of Common Stock issuable upon such conversion shall be treated for all purposes as the record holder or holders of such shares of Common Stock on such date.

(d) Adjustments for Diluting Issues.

(i) Special Definitions. For purposes of this Section 3(d), the following definitions shall apply:

(1) 'Options' shall mean rights, options or warrants to subscribe for, purchase or otherwise acquire either Common Stock or Convertible Securities.

(2) 'Original Issue Date' shall mean the date on which the first share of the Series A Preferred was first issued.

(3) 'Convertible Securities' shall mean any evidence of indebtedness, shares or other securities (other than the Common Stock) convertible into or exchangeable for Common Stock.

(4) 'Additional Shares of Common Stock' shall mean all shares of Common Stock and Convertible Securities issued by the Corporation after the Original Issue Date, other than:

(A) shares of Common Stock issued upon conversion of the shares of Series A Preferred authorized herein or upon conversion of Convertible Securities, provided that such Convertible Securities shall be deemed to be Additional Shares of Common Stock;

(B) shares of Common Stock (appropriately adjusted for stock splits, recapitalizations and the like) issuable or issued (and not repurchased at cost by the Corporation in connection with the termination of employment) to employees, officers, directors, consultants, contractors or advisors of the Corporation pursuant to a stock option plan adopted by the Corporation and approved by its shareholders;

(C) shares of Common Stock and Convertible Securities issued or issuable as a dividend or distribution on Series A Preferred or any event for which adjustment is made pursuant to subparagraph (d)(iv) and (d)(vi) hereof;

(D) shares of Common Stock and Convertible Securities issued in connection with any equipment lease, technology license, vendor or customer relationship or similar non-equity financing transaction pursuant to approval by a 75% majority of the Board of Directors;

(E) shares of Common Stock and Convertible Securities issued or issuable by way of a transaction described in Sections 3(d)(iv) through 3(d)(vi) below;

(F) shares of Common Stock and Convertible Securities issued or issuable upon the exercise of warrants, options or other rights issued by the Corporation on or prior to the Original Issue Date;

(G) shares of Common Stock and Convertible Securities issued or issuable in connection with a business acquisition by or of the Corporation pursuant to approval by a 75% majority of the Board of Directors;

(H) shares of Common Stock and Convertible Securities issued or issuable by way of dividend or other distribution on shares of Common Stock excluded from the definition of Additional Shares of Common Stock by the foregoing clauses (A), (B), (C), (D), (E), (F) or this clause (G) or on shares of Common Stock so excluded.

(ii) Adjustment of Conversion Price Upon Issuance of Additional Shares of Common Stock.

(1) Adjustment of Series A Price. In the event this Corporation shall issue Additional Shares of Common Stock after the Original Issue Date without consideration or for a consideration per share less than the then current Conversion Price of the Series A Preferred, then in such event, the then current Conversion Price of the Series A Preferred shall be reduced, concurrently with such issue, to a price determined by multiplying the then current Conversion Price of the Series A Preferred by a fraction, the numerator of which shall be the number of shares of Common Stock outstanding immediately prior to such issue plus the number of shares of Common Stock which the aggregate consideration received by the Corporation for the total number of Additional Shares of Common Stock so issued would purchase at such then current Conversion Price of the Series A Preferred; and the denominator of which shall be the number of shares of Common Stock outstanding immediately prior to such issue plus the number of such Additional Shares of Common Stock so issued; and provided further that, for the purposes of this Section 3(d)(ii), all shares of Common Stock issuable upon conversion of outstanding Series A Preferred or outstanding Options, together with all shares of Common Stock reserved for issuance under plans approved by the Board of Directors shall be deemed to be outstanding.

(iii) Determination of Consideration. For purposes of this Section 3(d), the consideration received by the Corporation for the issue of any Additional Shares of Common Stock shall be computed as follows:

(1) Cash and Property. Such consideration shall:

(A) insofar as it consists of cash, be computed at the aggregate amount of cash received by the Corporation excluding amounts paid or payable for accrued interest or accrued dividends;

(B) insofar as it consists of property other than cash, be computed at the fair value thereof at the time of such issue, as determined in good faith by the Board of Directors; and

(C) in the event Additional Shares of Common Stock are issued in conjunction with other shares or securities or other assets of the Corporation for consideration which covers both, be the proportion of such consideration so received, computed as provided in clauses (A) and (B) above, as determined in good faith by the Board of Directors.

(2) Options and Convertible Securities. In the case of issuance of options to purchase or rights to subscribe for Common Stock, or securities by their terms convertible into or exchangeable for Common Stock, the following provisions shall apply for all purposes of Section 3(d):

(A) The aggregate maximum number of shares of Common Stock deliverable upon exercise of such options to purchase or rights to subscribe for Common Stock shall be deemed to have been issued at the time such options or rights were issued and for a consideration per share equal to the consideration (determined in the manner provided in subparagraph 3(d)(iii)(1)), if any, received by the Corporation upon the issuance of each such option or right plus the exercise price provided in each such option or right for the Common Stock or Series A Preferred covered thereby.

(B) The aggregate maximum number of shares of Common Stock deliverable upon conversion or in exchange for such convertible or exchangeable securities or upon the exercise of options to purchase or rights to subscribe for such convertible or exchangeable securities and subsequent conversion or exchange thereof shall be deemed to have been issued at the time such securities were issued or such options or rights were issued and for a consideration per share equal to the consideration, if any, received by the Corporation for each share or unit of any such securities and related options or rights (excluding any cash received on account of accrued interest or accrued dividends), plus the additional consideration, if any, to be received by the Corporation upon the conversion or exchange of each share or unit of such securities or the exercise of any related options or rights (the consideration in each case to be determined in the manner provided in subparagraph 3(d)(iii)(1)).

(C) In the event of any change in the number of shares of Common Stock deliverable or in the consideration payable to the Corporation upon exercise of such

options or rights or upon conversion of or in exchange for such convertible or exchangeable securities, including, but not limited to, a change resulting from the antidilution provisions thereof, the Conversion Price of the Series A Preferred, to the extent in any way affected by or computed using such options, rights or securities, shall be recomputed to reflect such change, but no further adjustment shall be made for the actual issuance of Common Stock or any payment of such consideration upon the exercise of any such options or rights or the conversion or exchange of such securities.

(D) Upon the expiration of any such options or rights, the termination of any such rights to convert or exchange or the expiration of any options or rights related to such convertible or exchangeable securities, the Conversion Price of the Series A Preferred, to the extent in any way affected by or computed using such options, rights or securities, shall be recomputed to reflect the issuance of only the number of shares of Common Stock (and convertible or exchangeable securities which remain in effect) actually issued upon the conversion or exchange of such securities or upon the exercise of the options or rights related to such securities.

(E) The number of shares of Common Stock deemed issued and the consideration deemed paid therefor pursuant to subparagraphs 3(d)(iii)(2)(A) and (B) shall be appropriately adjusted to reflect any change, termination or expiration of the type described in either subparagraph 3(d)(iii)(2)(C) or (D).

(iv) Adjustments for Subdivisions, Combinations or Stock Dividends of Common Stock. In the event the outstanding shares of Common Stock shall be subdivided (by stock split, or otherwise), at any time after the Original Issue Date into a greater number of shares of Common Stock, or the Corporation at any time or from time to time after the Original Issue Date shall declare or pay any dividend on the Common Stock payable in Common Stock, the Series A Conversion Price then in effect shall, concurrently with the effectiveness of such subdivision or stock dividend, be proportionately decreased based on the ratio of (i) the number of shares of Common Stock outstanding immediately after such subdivision or stock dividend to (ii) the number of shares of Common Stock outstanding immediately prior to such subdivision or stock dividend. In the event the outstanding shares of Common Stock shall be combined or consolidated, by reclassification or otherwise, into a lesser number of shares of Common Stock, the Series A Conversion Price then in effect shall, concurrently with the effectiveness of such combination or consolidation, be proportionately increased on the same basis.

(v) Adjustments for Other Distributions. In the event the Corporation at any time or from time to time makes, or fixes a record date for the determination of holders of Common Stock entitled to receive any distribution payable in (i) securities of the Corporation (other than shares of Common Stock and other than as otherwise adjusted in this Section 3 or as otherwise provided in Section 1), or (ii) evidences of indebtedness issued by the Corporation or other persons, or (iii) assets (excluding cash dividends) or options or rights not referred to in subparagraph 3(d)(iii)(2), then and in each such event provision shall be made so that the holders of Series A Preferred shall receive upon conversion thereof, in addition to the number of shares of Common Stock receivable thereupon, the amount of such distribution which they would have received had their Series A Preferred been converted into Common Stock on the date of such event and had they thereafter, during the period from the date of such event to and including the date of

conversion, retained such securities receivable by them as aforesaid during such period, subject to all other adjustments called for during such period under this Section 3 with respect to the rights of the holders of Series A Preferred.

(vi) Adjustments for Recapitalization, Reclassification, Exchange and Substitution. If at any time or from time to time the Common Stock issuable upon conversion of the Series A Preferred shall be changed into the same or a different number of shares of any other class or classes of stock, whether by recapitalization, capital reorganization, reclassification or otherwise (other than a subdivision, combination of shares or merger or sale of assets transaction provided for above or in Section 2(c)), the Series A Conversion Rate then in effect shall, concurrently with the effectiveness of such recapitalization, reorganization or reclassification, be proportionately adjusted such that the respective series of Series A Preferred shall be convertible into, in lieu of the number of shares of Common Stock which the holders thereof would otherwise have been entitled to receive, a number of shares of such other class or classes of stock equivalent to the number of shares of Common Stock that would have been subject to receipt by the holders upon conversion of the such series of Series A Preferred immediately before that change. In addition, to the extent applicable in any reorganization or recapitalization, provision shall be made so that the holders of the Series A Preferred shall thereafter be entitled to receive upon conversion of the Series A Preferred the number of shares of stock or other securities or property of the Corporation or otherwise, to which a holder of Common Stock deliverable upon conversion would have been entitled on such reorganization or recapitalization.

(e) No Impairment. Except as provided in Section 6, the Corporation will not, by amendment of its Articles of Incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms to be observed or performed hereunder by the Corporation but will at all times in good faith assist in the carrying out of all the provisions of this Section 3 and in the taking of all such action as may be necessary or appropriate in order to protect the Conversion Rights of the holders of the Series A Preferred against impairment.

(f) Certificate as to Adjustments. Upon the occurrence of each adjustment or readjustment of the Conversion Price or the Conversion Rate of any series pursuant to this Section 3, the Corporation at its expense shall promptly compute such adjustment or readjustment in accordance with the terms hereof and furnish to each holder of Series A Preferred a certificate setting forth such adjustment or readjustment and showing in detail the facts upon which such adjustment or readjustment is based. The Corporation shall, upon the written request at any time of any holder of Series A Preferred, furnish or cause to be furnished to such holder a like certificate setting forth (i) such adjustments and readjustments, (ii) the Conversion Price and the Conversion Rate at the time in effect and applicable to each series, and (iii) the number of shares of Common Stock and the amount, if any, of other property which at the time would be received upon the conversion of the Series A Preferred.

(g) Reservation of Stock Issuable Upon Conversion. The Corporation shall at all times reserve and keep available out of its authorized but unissued shares of Common Stock solely for the purpose of effecting the conversion of the shares of the Series A Preferred such number of its shares of Common Stock as shall from time to time be sufficient to effect the conversion of all

outstanding shares of the Series A Preferred; and if at any time the number of authorized but unissued shares of Common Stock shall not be sufficient to effect the conversion of all then outstanding shares of the Series A Preferred, in addition to such other remedies as shall be available to the holder of such Series A Preferred, the Corporation will take such corporate action as may, in the opinion of counsel, be necessary to increase its authorized but unissued shares of Common Stock to such number of shares as shall be sufficient for such purposes.

(h) Notices of Record Date. In the event that the Corporation shall propose at any time:

(i) to declare any dividend or distribution upon its Common Stock, whether in cash, property, stock or other securities, whether or not a regular cash dividend and whether or not out of earnings or earned surplus;

(ii) to offer for subscription pro rata to the holders of any class or series of its stock any additional shares of stock of any class or series or other rights;

(iii) to effect any reclassification or recapitalization of its Common Stock outstanding involving a change in the Common Stock; or

(iv) to merge or consolidate with or into any other corporation, or sell, lease or convey all or substantially all its property or business, or to liquidate, dissolve or wind up; then, in connection with each such event, the Corporation shall send to the holders of Series A Preferred:

(1) at least 20 days' prior written notice of the date on which a record shall be taken for such dividend, distribution or subscription rights (and specifying the date on which the holders of Common Stock shall be entitled thereto and the amount and character of such dividend, distribution or right); and

(2) in the case of the matters referred to in (iii) and (iv) above, at least 20 days' prior written notice of the date when the same shall take place (and specifying the date on which the holders of Common Stock shall be entitled to exchange their Common Stock for securities or other property deliverable upon the occurrence of such event or the record date for the determination of such holders if such record date is earlier).

Each such written notice shall be delivered personally or given by first class mail, postage prepaid, addressed to the holders of the Series A Preferred at the address for each such holder as shown on the books of this Corporation.

4. Redemption.

(a) Redemption of Common Stock. The shares of Common Stock shall not be redeemable. Notwithstanding the foregoing, the Corporation may, at any time, out of funds legally available therefor, repurchase shares of Common Stock of the Corporation (i) issued to or held by employees, directors or consultants of the Corporation or its subsidiaries upon termination of their employment or services, pursuant to any agreement providing for such right of repurchase, or (ii) issued to or held by any person subject to the Corporation's right of first refusal to purchase such shares where the purchase is pursuant to the exercise of such right of first refusal.

(b) Redemption of Series A Preferred. The Corporation shall not have the right to call or redeem at any time all or any shares of the Series A Preferred. The holders of the Series A Preferred shall have redemption rights as follows (the "Redemption Rights"):

(i) At any time after June 21, 2010, upon the affirmative vote or written consent of the holders of at least two thirds of the then outstanding shares of the Series A Preferred (the "Redemption Request"), the Corporation shall redeem all issued, outstanding and unconverted shares of the Series A Preferred at the applicable Redemption Price (as defined below) as provided herein from any source of funds legally available therefor. Subject to the requisite vote or written consent of the holders of the Series A Preferred provided above, the Corporation shall redeem all shares of the Series A Preferred outstanding as of the date of such vote or written consent upon payment of the Redemption Price for the shares so redeemed no later than 45 days after the receipt of a Redemption Request (the "Redemption Date"). If the funds of the Corporation legally available for redemption of the Series A Preferred on the Redemption Date are insufficient to redeem the total number of outstanding shares of the Series A Preferred on the Redemption Date, those funds which are legally available will be used to redeem the maximum number of shares of the Series A Preferred ratably among the holders of the Series A Preferred. If, and only if, no funds or insufficient funds are available to the Corporation at the Redemption Date to meet the Corporation's redemption obligations pursuant to this Section 4(b)(i), then the Corporation's obligations to redeem shares of the Series A Preferred shall continue and at any time thereafter when additional funds of the Corporation are legally available for the redemption of the Series A Preferred, the Corporation, within ten (10) business days of the availability of such funds, shall use such funds to redeem the balance of the shares which the Corporation has become obligated to redeem on the Redemption Date but which it has not redeemed. The shares of the Series A Preferred that have not been redeemed shall continue to be entitled to the dividend, conversion and other rights, preferences, privileges and restrictions of the Series A Preferred.

(ii) The redemption price for each share of the Series A Preferred repurchased (the "Series A Redemption Price") shall be equal to \$1.03 for each such share to be redeemed (as adjusted for any stock dividends, stocks splits, recapitalizations, combinations, consolidations, or the like, with respect to the Series A Preferred).

(iii) Within ten (10) business days of the Corporation's receipt of a Redemption Request, the Corporation will mail written notice to each holder of record of shares of Series A Preferred, at the address for such holder as it appears on the stock transfer books of the Corporation, notifying such holder of the redemption, specifying the Redemption Date upon which

the Corporation shall satisfy the Redemption Request, the applicable Redemption Price, the place at which payment may be obtained and the date on which such holder's conversion rights as to such shares terminate, and calling upon such holder to surrender to the Corporation, in the manner and at the place designated, its certificate or certificates representing the shares to be redeemed (the "Redemption Notice"). On or after the Redemption Date, each holder of shares to be redeemed shall surrender to the Corporation the certificate or certificates representing such shares to be redeemed, in the manner and at the place designated in the Redemption Notice, and thereupon the Redemption Price of such shares shall be payable to the order of the person whose name appears on such certificate or certificates as the owner thereof. In the event that less than all of the shares represented by any such certificate are redeemed, a new certificate shall be issued representing the unredeemed shares.

(iv) From and after the Redemption Date, unless there shall have been a default in payment of the Redemption Price, all rights of the holders of the shares thereupon redeemed, as holders of shares of the Series A Preferred (except the right to receive the Redemption Price upon surrender of their certificate or certificates), shall cease with respect to such shares, and such shares shall not thereafter be transferred on the books of this Corporation or be deemed to be outstanding for any purpose whatsoever. The shares not redeemed shall remain outstanding and entitled to all the rights and preferences provided herein.

(v) If there has been a default in the payment of the Redemption Price, then during the period from the Redemption Date through the date on which such shares of Series A Preferred are redeemed, the Redemption Price of such shares not redeemed will bear interest at a per-annum rate equal to the lower of 8% or the highest rate permitted by law.

5. Voting Rights.

(a) Vote Other Than for Directors. Holders of the Series A Preferred shall have full voting rights and powers equal to the voting rights and powers of the holders of Common Stock, and shall vote together with the holders of Common Stock and not as a separate class except as otherwise required by law, by Section 6, by Sections 5(b) and (c), by Sections 2(c) or (d) or by Section 3(b). Except as otherwise required by law or by Section 6 hereof, the holder of each share of Common Stock issued and outstanding shall have one vote and the holder of each share of Series A Preferred shall be entitled to the number of votes equal to the number of shares of Common Stock into which such share of Series A Preferred could be converted at the record date for determination of the shareholders entitled to vote on such matters, or, if no such record date is established, at the date such vote is taken or any written consent of shareholders is solicited, such votes to be counted together with all other shares of stock of the Corporation having general voting power and not separately as a class. Fractional votes by the holders of Series A Preferred shall not, however, be permitted and any fractional voting rights shall (after aggregating all shares into which shares of Series A Preferred held by each holder could be converted) be rounded to the nearest whole number. Holders of Common Stock and Series A Preferred shall be entitled to notice of any shareholders' meeting in accordance with the Bylaws of the Corporation.

(b) Voting for Directors. The Board of Directors shall consist of five (5) members. At any time as any shares of Series A Preferred remain outstanding, the holders of the

shares of Series A Preferred voting separately as a series shall be entitled to elect two (2) directors (the "Series A Directors"). The holders of Common Stock voting as a separate class shall be entitled to elect two (2) directors (the "Common Directors"). At any such time as any shares of Series A Preferred remain outstanding, one director shall be elected by the holders of the Series A Preferred and Common Stock (the "Mutual Director") voting as provided in Section 5(a). A vacancy on the Board of Directors occurring because of the death, resignation or removal of a director elected by the holders of Series A Preferred voting as a separate series shall be filled by the vote or written consent of the holders of the Series A Preferred. Any vacancy occurring because of the death, resignation or removal of a director elected by the holders of Common Stock voting as a separate class shall be filled by the vote or written consent of the holders of the Common Stock. Any vacancy occurring because of the death, resignation or removal of the director elected by the holders of the Series A Preferred and Common Stock voting together as a single class shall be filled by the vote or written consent of the holders of the Series A Preferred and Common Stock voting as provided in Section 5(a). A director may be removed from the Board of Directors with or without cause by the vote or consent of the holders of the outstanding class or series with voting power entitled to elect him in accordance with this Section 5(b) and the California Corporations Code.

(c) Voting for Directors in the Event of Default under Section 4. In the event that the Corporation is in default of its obligations to redeem the Series A Preferred, the holders of a majority of the Series A Preferred shall be entitled to elect the Common Directors until such time as the Company is no longer in default pursuant to Section 4. Thereafter, the Common Directors will be elected as provided in Section 5(b) above.

6. Covenants.

In addition to any other rights provided by law, at any such time as at least 3,000,000 shares of Series A Preferred remain outstanding (as adjusted for stock splits, stock dividends or distributions, recapitalizations, and similar events), the Corporation shall not, without first obtaining the affirmative vote or written consent of the holders of at least two thirds of the then outstanding shares of Series A Preferred:

(a) amend or waive any provision of, or add any provision to, the Corporation's Amended Articles of Incorporation or Bylaws, as amended, if such action would amend or waive, alter or change the preferences, rights, privileges or powers of, or the restrictions provided for the benefit of any the Series A Preferred;

(b) authorize or issue shares of any series or class of stock having any preference or priority (including, but not limited to, voting, dividends, redemption, conversion or liquidation) superior to or on a parity with any such preference or priority of the Series A Preferred, or authorize shares of stock of any class or any bonds, debentures, notes or other obligations convertible into or exchangeable for, or having option rights to purchase, any shares of stock of the Corporation having any preference or priority (including, but not limited to, voting, dividends, redemption, conversion or liquidation) superior to or on a parity with any such preference or priority of the Series A Preferred;

(c) purchase, redeem or otherwise acquire (or pay into or set aside for a sinking fund for such purpose), any of the Common Stock or Series A Preferred; provided, however, that

this restriction shall not apply to the repurchase of shares of Common Stock from directors, officers, consultants or employees of the Corporation or any subsidiary pursuant to equity incentive agreements approved by the Corporation's Board of Directors under which the Corporation has the option to repurchase such shares upon the termination of employment or services or pursuant to a contractual right of first refusal, or pursuant to the provisions of the Articles of Incorporation;

(d) effect a recapitalization, reorganization, merger or consolidation of the Corporation with or into any other corporation or corporations, partnership or partnerships, limited liability company or companies or any other entity or entities (but excluding any merger effected solely for the purpose of reincorporating in another state), or the merger of any other corporation or corporations, partnership or partnerships, limited liability company or companies or any other entity or entities into the Corporation; a sale, license, grant of security interest in or transfer of all or substantially all of the assets of the Corporation or its intellectual property or any similar transaction; a share exchange; the undertaking by the Corporation of a transaction or series of transactions or an acquisition in which, in any of the above, more than 50% of the voting power of the Corporation is disposed of;

(e) increase or decrease the authorized number of shares of Common Stock or Preferred Stock;

(f) authorize or take any action that would result in the payment or declaration of any dividend or distribution on any shares of the Corporation's equity securities;

(g) permit any subsidiary of the Corporation in which the Corporation holds a controlling voting interest to (i) sell or issue any equity security to any party other than the Corporation, or (ii) grant a security interest in all or substantially all its assets or intellectual property; or

(h) authorize or take any action with respect to a Liquidation (as defined in Section 2(c)).

7. Common Stock.

(a) Dividend Rights. Subject to the prior rights of holders of all classes of stock at the time outstanding having prior rights as to dividends, the holders of the Common Stock shall be entitled to receive, when, as and if declared by the Board of Directors, out of any assets of the Corporation legally available therefor, such dividends as may be declared from time to time by the Board of Directors.

(b) Liquidation Rights. Upon the liquidation, dissolution or winding up of the Corporation, the assets of the Corporation shall be distributed as provided in Section 2(b) of Article IV.B above.

(c) Redemption. The Common Stock is not redeemable at the option of the holder thereof.

(d) Voting Rights. The holder of each share of Common Stock shall have the right to one vote, and shall be entitled to notice of any stockholders' meeting in accordance with the Bylaws of the Corporation, and shall be entitled to vote upon such matters and in such manner as may be provided by law.

ARTICLE V.

1. Limitation of Directors' Liability. The liability of the directors of this corporation for monetary damages shall be eliminated to the fullest extent permissible under California law.

2. Indemnification of Corporate Agents. This Company is authorized to provide indemnification of agents (as defined in Section 317 of the California Corporations Code) through bylaw provisions, agreements with agents, vote of shareholders or disinterested directors or otherwise, in excess of the indemnification otherwise permitted by Section 317 of the California Corporations Code, subject only to the applicable limits set forth in Section 204 of the California Corporations Code with respect to actions for breach of duty to the corporation and its shareholders.

3. Repeal or Modification. Any repeal or modification of the foregoing provisions of this Article shall not adversely affect any right of indemnification or limitation of liability of an agent of this corporation relating to acts or omissions occurring prior to such repeal or modification.

ARTICLE VI.

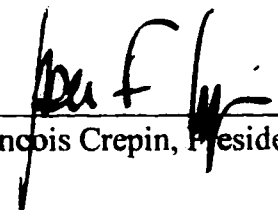
The corporation reserves the right to amend, alter or repeal any provision contained in these Amended and Restated Articles of Incorporation (except as described in Article IV, Section 3 above), in the manner now or hereafter prescribed by law, and all rights and powers conferred by these Amended and Restated Articles of Incorporation on shareholders, directors and officers are granted subject to this reservation.

The foregoing amendment and restatement of the Articles of Incorporation has been duly approved by the Board of Directors of this Company.

The foregoing amendment and restatement of the Articles of Incorporation has been duly approved by the required vote of the shareholders entitled to vote in accordance with the Amended and Restated Articles of Incorporation of this Company and Sections 902 and 903 of the California Corporations Code. The total number of outstanding shares of Common Stock of the Company is 4,500,000. There are no shares of Series A Preferred outstanding. The number of shares voting in favor of the Amended and Restated Articles of Incorporation equaled or exceeded the vote required. The percentage vote required was more than 50% of the outstanding shares of Common Stock, voting as a separate class.

3. I further declare under penalty of perjury under the laws of the State of California that the matters set forth in the foregoing Certificate are true and correct of my own knowledge.

Date: June 20, 2005



J. Francois Crepin, President and Secretary

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FILED *NG*
in the office of the Secretary of State
of the State of California

AUG 05 2005

**CERTIFICATE OF AMENDMENT OF
ARTICLES OF INCORPORATION**

The undersigned certify that:

1. They are the President and Secretary, respectively, of **AKROS SILICON, INC.**, a California corporation.
2. The first paragraph of Article III of the Articles of Incorporation of this corporation is amended to read as follows:

This corporation is authorized to issue two classes of stock, designated "Common Stock" and "Preferred Stock," respectively. The total number of shares of Common Stock this corporation is authorized to issue is Sixty Million (60,000,000). The total number of shares of Preferred Stock this corporation is authorized to issue is Eight Million Nine Hundred Thousand (8,900,000). Upon the filing of the Certificate of Amendment of Articles of Incorporation, each share of Common Stock that is outstanding is split up and converted into two shares of Common Stock.

3. The foregoing amendment of Articles of Incorporation has been duly approved by the Board of Directors.
4. The foregoing amendment of Articles of Incorporation has been duly approved by the required vote of shareholders in accordance with Section 902, California Corporations Code. The total number of outstanding shares of the corporation is 4,500,000 Common Stock, and 4,380,000 Series A Preferred Stock. The number of shares of each class of stock voting in favor of the amendment equaled or exceeded the vote required. The percentage vote required for each class of stock was more than 50%.

Each of the undersigned declares under penalty of perjury under the laws of the State of California that the matters set forth in this certificate are true and correct of his own knowledge.

DATE: 8/4/05


J. Francois Crepin, President


Sajol Ghoshal, Secretary