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TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS: Please record the attached original documents or copy thereof.

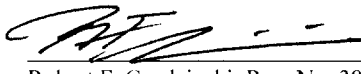
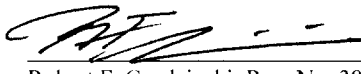
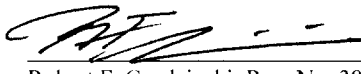
Submission Type <input checked="" type="checkbox"/> New 12-26-02 <input type="checkbox"/> Resubmission (Non-Recordation)-Document ID# _____ <input type="checkbox"/> Correction of PTO Error - Reel # _____ Frame # _____ <input type="checkbox"/> Corrective Document - Reel # _____ Frame # _____	Conveyance Type <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: _____ December 6 and 11, 2002
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 FINANCE SECTION

Conveying Party(ies) Aurelio J. Gutierrez; Russell L. Machado; and Dallas A. Dean Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Receiving Party(ies) Name: PULSE ENGINEERING Street Address: 12220 World Trade Drive City: San Diego State: CA ZIP: 92128 Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Application Number(s) or Patent Number(s) <input type="checkbox"/> Application filed herewith <input checked="" type="checkbox"/> Patent Application No(s): 10/246.840 <input type="checkbox"/> Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Correspondent Name and Address Name: Robert F. Gazdzinski, Esq. Internal Address: GAZDZINSKI & ASSOCIATES Street Address: 11440 West Bernardo Court, Suite 375 City: San Diego State: CA ZIP: 92127 Telephone: (858) 675-1670	Fee Amount (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Please charge our Deposit Account No. 501423 for additional fees which may be required or credit our account for any overpayment. (A copy of this page is attached for this purpose).
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Number of Properties Enter the total number of properties involved: (1)				
Statement and signature To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. <table style="width: 100%; border: none;"> <tr> <td style="width: 30%; border: none;"> <u>Robert F. Gazdzinski</u> Name of Person Signing </td> <td style="width: 40%; border: none; text-align: center;">  Robert F. Gazdzinski; Reg. No. 39,990 </td> <td style="width: 30%; border: none; text-align: right;"> <u>12/18/02</u> Date </td> </tr> </table>		<u>Robert F. Gazdzinski</u> Name of Person Signing	 Robert F. Gazdzinski; Reg. No. 39,990	<u>12/18/02</u> Date
<u>Robert F. Gazdzinski</u> Name of Person Signing	 Robert F. Gazdzinski; Reg. No. 39,990	<u>12/18/02</u> Date		

Pages Enter the total number of pages of the conveyance document including any attachments: (2)
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Mail documents to be recorded with required cover sheet information to:

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12/27/2002 LMJELLER 00000146 10246840

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PATENT REEL: 013602 FRAME: 0290

ASSIGNMENT

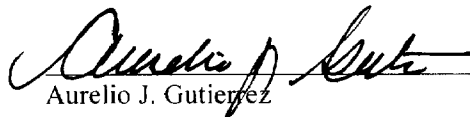
WHEREAS, We, Aurelio J. Gutierrez, a United States citizen, residing at 5420 Robinwood Street, Bonita, California 91902, United States; Russell L. Machado, a United States citizen, residing at 1438 Alborada Drive, San Diego, California 92127, United States; and Dallas A. Dean, a United States citizen, residing at 3721 Via Las Villas, Oceanside, California 92056, United States, have invented certain new and useful improvements in an ADVANCED MICROELECTRONIC CONNECTOR ASSEMBLY AND METHOD OF MANUFACTURING for which we have filed an application for Letters Patent in the United States, Application No. 10/246,840, which claims priority to patent application Serial No. 10/099,645 filed March 14, 2002 and provisional patent application Serial No. 60/276,376 filed March 16, 2001;

AND WHEREAS, PULSE ENGINEERING (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 12220 World Trade Drive, San Diego, California 92128, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 6 day of Dec 2002.


Aurelio J. Gutierrez

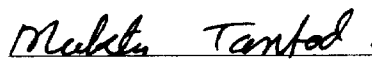
STATE OF CALIFORNIA]
] ss.
COUNTY OF SAN DIEGO]

On Dec 6 2002, before me, Mukta Tantod, personally appeared Aurelio J. Gutierrez personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]




Notary Signature

Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 6 day of Dec 2002.

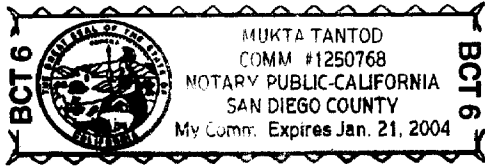
Russell L Machado
Russell L. Machado

STATE OF CALIFORNIA]
COUNTY OF San Diego] ss.

On Dec 6 2002, before me, Mukta Tantod, personally appeared Russell L. Machado ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Mukta Tantod
Notary Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11 day of Dec, 2002.

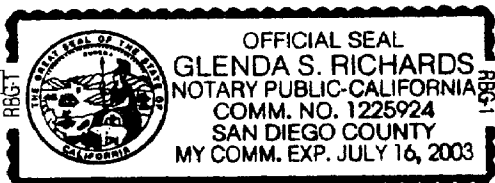
Dallas A. Dean
Dallas A. Dean

STATE OF California]
COUNTY OF San Diego] ss.

On Dec. 11, 2002, before me, Glenda S. Richards, personally appeared Dallas A. Dean ~~personally known to me~~ (or proved to me on the basis of satisfactory evidence) to be the person(x) whose name(x) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(x) on the instrument the person(x), or the entity upon behalf of which the person(x) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Glenda S. Richards
Notary Signature