

**APPROVED**

Signature

(For DTC Use Only)

Date Issued : 06/07/2013

License No:  
050456316License Valid For 48  
Months From Above  
Date

License is hereby granted to the applicant for the described commodity to be permanently exported from the United States. This license may be revoked, suspended or amended by the Secretary of State without prior notice whenever the Secretary deems such action advisable.

UNITED STATES OF AMERICA DEPARTMENT OF STATE

APPLICATION/LICENSE FOR PERMANENT EXPORT OF UNCLASSIFIED

DEFENSE ARTICLES AND RELATED UNCLASSIFIED TECHNICAL DATA

1. Date Prepared	2. PM/DDTC Applicant/ Registrant Code	3. Country of Ultimate Destination	4. Probable Port of Exit from U.S.
05/22/2013		NETHERLANDS (THE)	ILN or JFK

**5. Applicant's Name, Address, ZIP Code, Telephone Number**

Applicant Type: Manufacturer  
Aeroflex Incorporated

Attention:  
Andrew Perrone

35 South Service Rd

Plainview, NY 11803

516-694-6700 ext.

**Subsidiary Name, Address, ZIP Code, Telephone Number**

Aeroflex Colorado Springs Incorporated

Attention:  
Robert M. Caudle

4350 Centennial Blvd

Colorado Springs, CO 80907

719-594-8347 ext.

6. Name, agency and telephone of U.S. Government personnel (not PM/DDTC) familiar with the commodity.

7. Name and telephone numbers of applicant contact if U.S. Government needs additional information.

Robert Caudle

719-594-8347 ext.

Andrew Perrone

516-752-5662 ext.

Krista Oliveira

516-752-2401 ext.

8. Description of Transaction:

A. This application represents ONLY completely new shipment

B. This Application has related license no(s)

☒ was licensed to the country in Block 3 of the first page under license no(s)  
050446766

☐ was licensed to other countries under license no (s).

☐ was returned without action under voided license no (s).

☐ was denied to the country in Block 3 of the first page under voided license(s)

C. This Application is in reference to agreement no(s)

D. If the commodity is being financed under:

☒ Not Applicable

☐ Foreign Military Sale

☐ Foreign Military Financing

☐ Grant Aid Program

E. Defense Trade Controls Compliance

This application is related to a disclosure filed with Defense Trade Controls Compliance ☐ No ☒ Yes

Compliance Disclosure Number: 07-0000593				
Item #	9. Quantity	10. Commodity	11. USML Category Number	12. \$ Value
1	Quantity : 38 Unit Type : Number	AEROFLEX COLORADO SPRINGS' MICROCIRCUIT, LINEAR, DUAL DRIVER AND RECEIVER, MONOLITHIC SILICON INTEGRATED CIRCUIT (WD22), PART NUMBER 5962R0620201.  Defense Article Type : Hardware	XV(e)  Is a DSP-83 attached? No	
2	Quantity : 4 Unit Type : Number	AEROFLEX COLORADO SPRINGS' MICROCIRCUIT, LINEAR, LINE RECEIVER, DIFFERENTIAL, QUAD, LVDS, LOW VOLTAGE, MONOLITHIC SILICON INTEGRATED CIRCUIT (WD04), PART NUMBER 5962R9865203.  Defense Article Type : Hardware	XV(e)  Is a DSP-83 attached? No	
3	Quantity : 4 Unit Type : Number	AEROFLEX COLORADO SPRINGS' MICROCIRCUIT, MEMORY, DIGITAL, CMOS, RADIATION-HARDENED, 3.3 V, 32K X 8-BIT PROM, MONOLITHIC SILICON INTEGRATED CIRCUIT (WE30), PART NUMBER 5962R0151704.  Defense Article Type : Hardware	XV(d)  Is a DSP-83 attached? No	
			<b>13. TOTAL VALUE(Sum of All Pages)</b>	
<b>14. Name and address of foreign end-user</b>  European Space Agency Keplerlaan 1 Noordwijk NL				
<b>15. Manufacturer of Commodity</b>  Aeroflex Colorado Springs Incorporated				

4350 Centennial Blvd  
Colorado Springs, CO 80907 US

**16. Name and address of foreign consignee**

Universidad de Alcala  
Departamento de Automatica Edificio Politecnico  
Alcala de Henares (Madrid)  
SP  
Alter Technology TUV Nord S.A.U.  
C/Tomas Alba Edison, 4 PCT Cartuja 93  
Sevilla  
SP  
European Space Agency  
8-10 Mario Nikis  
Paris Cedex 15  
FR  
Christian-Albrechts-Universitat zu Kiel Inst. F. Experimentelle u. Angewandte Physik Extraterrestrik  
Leibnizstr. 11  
Kiel  
GM

**17. Source of Commodity**

Aeroflex Colorado Springs Incorporated  
4350 Centennial Blvd  
Colorado Springs, CO 80907 US

**18. Name and address of foreign intermediate consignee**

Dimac Red SRL  
Via Giovanni XXIII 25  
Biassono-MB  
IT  
PURCHASER OF AEROFLEX PARTS

DHL Express

Viale Milanofiori Palazzo U/3 Strada 5

Rozzano (Mi)

IT

FREIGHT FORWARDER

CRISA

C/Torres Quevedo 9 (P.T.M.)

Tres Cantos, Madrid

SP

COMPONENTS DELIVERY AND FUNCTIONAL TEST

Universidad de Alcala de Henares

Plaza de San Diego

Alcala de Henares, Madrid

SP

INVESTIGATION (THIS UNIVERSITY WILL NOT RECEIVE THE PARTS)

ESTEC

Keplerlaan 1

Noordwijk

NL

EMC TESTS (POSSIBLE) & VACUUM TEST

Astrium UK

Gunnels Wood Road

Stevenage, Hertfordshire

UK

INTEGRATION ON THE SPACECRAFT

IABG

Einsteinstrasse 20

Ottobrunn

GM

MAGNETIC TEST AND POSSIBLE EMC TESTS; ENVIRONMENTAL TESTS

UPS

Parcela B-4 Poligono San Nicolas

Alcala de Guadaira, Sevilla

SP

POSSIBLE FREIGHT FORWARDER

TNT

Avda. de Bruselas, 6 Poligono Industrial de Alcobendas

Alcobendas, Madrid

SP

POSSIBLE FREIGHT FORWARDER

FedEx

Centro de Carga Aerea Madrid

Madrid

SP

POSSIBLE FREIGHT FORWARDER

DHL

C/ Rumania, 4

Coslada, Madrid

SP

POSSIBLE FREIGHT FORWARDER

Transnatur

C/ Luxemburgo, 1 Centro de Transportes de Coslada

Coslada, Madrid

SP

POSSIBLE FREIGHT FORWARDER

Potential Launch Site

Potential Launch Site

Potential Launch Site

FG

POTENTIAL LAUNCH SITE AT WHICH POTENTIAL LAUNCH COMPANY ARIANESPACE/FRANCE  
WOULD OPERATE

Arianespace/France

BP 809

Kourou Cedex

FG

POTENTIAL LAUNCH COMPANY TO OPERATE AT POTENTIAL LAUNCH SITE FRENCH GUIANA

Institut Fur Experimentelle und Angewandte Physik; The ExtraTerrestrial Physics Group

Christian Albrechts University - IEAP/ET CAU, Leibnizstrasse 19

Kiel

GM

INTEGRATION INTO EPD

Kayser Threde GmbH

Wolfratshauser Strasse 48

Munchen

GM

POPULATION PCBs

RUAG Space AB

Solhusgatan 11

Goteborg

SW

POPULATION PCBs; ENVIRONMENTAL TESTS

National Institute of Radiological Sciences

4-9-1 Anagawa, Inage Ward, Chiba

Chiba Prefecture

JA

CALIBRATION FACILITIES

Physikalisch Technische Bundesanstalt

Bundesallee 100

Braunschweig

GM

CALIBRATION FACILITIES

ZARM Fallturm-Betriebsgesellschaft mbH/ c/o Universitat Bremen

c/o Universitat Bremen, Am Fallturm

Bremen

GM

ENVIRONMENTAL TESTS

Iberespacio

Magallanes, 3, 4a planta

Madrid

SP

ENVIRONMENTAL TESTS

Universidad de Alcala

Ctra. Madrid-Barcelona

Alcala de Henares

SP

EPD CONSORTIUM PI INSTITUTION

Instituto Nacional de Tecnica Aeroespacial

Ctra. Ajalvir km. 4

Torrejon de Ardoz

SP

SUITE LEVEL TESTS AND INTEGRATION

**19. Name and address of Seller in United States**

Aeroflex Colorado Springs Incorporated

4350 Centennial Blvd

Colorado Springs, CO 80907

**\* 20. Specific purpose for which the material is required, including specific Program/End Item.**

☐ Off-Shore procurement

☐ Brokering (22 CFR § 129)

☐ Request for Prior Approval (22 CFR § 126.8)

☒ Other

PRECEDENT STATE DEPT LICENSE: 050446766, issued 22-Apr-2013, for devices WD04 and WE30 for usage in Solar Orbiter Magnetometer; Solar Orbiter Polarimetric and Helioseismic Imager for end-use by European Space Agency in Noordwijk, Netherlands. PROJECT: Solar Orbiter. SUMMARY: Parts will be integrated in Energetic Particle Detector which will measure composition, timing, distribution functions of suprathermal and energetic particles. 5pcs. p/n 5962R0620201VXC will be used on EM and will not fly in satellite. Strong link to BepiColombo



through reuse of components will be outlined; specific technology development needs for Solar Orbiter will be described. END USER: European Space Agency in Noordwijk, Netherlands POSSIBLE LAUNCH VEHICLE/SITE/COMPANY: Atlas V at Cape Canaveral by United Launch Alliance/USA of Kennedy Space Centre, Florida, USA; Ariane 5 at French Guiana by Arianespace/France of Kourou Cedex, French Guiana DIMAC IN-14417D PO # 110/13

**21. Name and address of consignor and/or freight forwarder in United States**

DHL Express

1210 South Pine Island Road Fourth Floor

Plantation, FL 33324

Aeroflex Colorado Springs Incorporated

4350 Centennial Blvd

Colorado Springs, CO 80907

FedEx Corporation Headquarters

942 South Shady Grove Road

Memphis, TN 38120

UPS Corporate Headquarters

55 Glenlake Parkway, NE

Atlanta, GA 30328

Potential Launch Site

Potential Launch Site

Cape Canaveral, FL 32920

United Launch Alliance/USA

Kennedy Space Centre

Kennedy Space Centre, FL 32899

**\* 22. Applicant's statement**

I, Robert M Caudle, an empowered official (22 CFR § 120.25) or an official of a foreign government entity in the U.S., hereby apply for a license to complete the transaction above; warrant the truth of all statements made herein; and acknowledge, understand and will comply with the provisions of Title 22 CFR § 120-130, and any conditions and limitations imposed.

I am authorized by the applicant to certify the following in compliance with 22 CFR § 126.13:

(1) Neither the applicant, its chief executive officer, president, vice presidents, other senior officers or officials

(e.g., comptroller, treasurer, general counsel) nor any member of its board of directors is:

(a) the subject of an indictment for or has been convicted of violating any of the U.S. criminal statutes enumerated in 22 CFR § 120.27 since the effective date of the Arms Export Control Act, Public Law 94-329, 90 Stat. 729 (June 30, 1976); or

(b) ineligible to contract with, or to receive a license or other approval to import defense articles or defense services from, or to receive an export license or other approval from any agency of the U.S. Government;

(2) To the best of the applicant's knowledge, no party to the export as defined in 22 CFR § 126.7 (e) has been convicted of violating any of the U.S. criminal statutes enumerated in 22 CFR § 120.27 since the effective date of the Arms Export Control Act, Public Law 94-329, 90 Stat. 729 (June 30, 1976); or is ineligible to contract with, or to receive a license or other approval to import defense articles or defense services from, or to receive an export license or other approval from any agency of the U.S. Government; and

22 CFR § 126.13 Certification (Select one):

- ☒ a. I am authorized by the applicant to certify that the applicant and all the parties to the transaction can meet in full the conditions of 22 CFR § 126.13 as listed above.
- ☐ b. I am authorized by the applicant to certify to 22 CFR § 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR § 126.13 as listed above. A request for an exception to policy, as described in Section 127.11 of the ITAR, is attached.
- ☐ c. I am authorized by the applicant to certify to 22 CFR § 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR § 126.13 as listed above. However that party has met the conditions imposed by the Directorate of Defense Trade Controls in order to resume standard submission of applications, not requiring an exception to policy as described in Section 127.11 of the ITAR.
- ☐ d. I am not authorized by the applicant to certify the conditions of 22 CFR § 126.13. The applicant and all the parties to the transaction can meet in full the conditions of 22 CFR § 126.13 as listed above. Please see the attached letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR § 126.13.
- ☐ e. I am not authorized by the applicant to certify the conditions of 22 CFR § 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR § 126.13 as listed above. A request for an exception to policy, as described in Section 127.11 of the ITAR, and a letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR § 126.13 are attached.
- ☐ f. I am not authorized by the applicant to certify to 22 CFR § 126.13. The applicant or one of the parties of the transaction cannot meet one or more of the conditions of 22 CFR § 126.13 as listed above. However that party has met the conditions imposed by the Directorate of Defense Trade Controls in order to resume standard submission of applications, not requiring an exception to policy as described in Section 127.11 of the ITAR. Please see the attached letter from an official that is authorized by the applicant to certify to the conditions of 22 CFR § 126.13.

Compliance with 22 CFR § 130 (Select one)

- ☒ This transaction does not meet the requirements of 22 CFR § 130.2.
- ☐ This transaction meets the requirements of 22 CFR § 130.2. The applicant or its vendors have not paid, nor

offered, nor agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees or commissions in amounts as specified in 22 CFR § 130.9(a).

— The applicant or its vendors have paid, or offered, or agreed to pay, in respect of any sale for which a license or approval is requested, political contributions, fees or commissions in amounts as specified in 22 CFR § 130.9(a). Information required under 22 CFR § 130.10 is attached.

— I am not authorized by the applicant to certify the conditions of 22 CFR § 130.9(a). Please see the attached letter for such certification.

Signature :

**23. License to be to: (Enter name, address and phone number)**

#### Conditions of Issuance

1. This license is issued under the conditions cited in 22 CFR § 120 - 130, including the provisos as applicable, that:

A. It shall not be construed as implying U.S. Government approval or commitment to authorize future exports of any article (equipment or technical data) on the Munitions List, or a U.S. Government commitment with regard to any proposed manufacturing license or technical assistance agreements which may result from an authorized export.

B. If a license is issued for technical data only, it does not authorize the export of any hardware; if a license is issued for hardware only, it does not authorize the export of any technical data, unless specifically covered by an exemption.

The issuance of this license does not release the licensee from complying with other requirements of U.S. law and regulations.

2. The prior written approval of the Department of State must be obtained before U.S. Munitions List articles exported from the U.S. under license or other approval may be resold, diverted, transferred, transshipped, reshipped, reexported to, or used in any country, or by any end-user, other than that described on the license or other approval as the country of ultimate destination or the ultimate end-user.

#### PROVISOS

There are none.

#### RETURN OF LICENSE

This license must be returned to PM/DDTC, SA-1, 12th Floor, Directorate of Defense Trade Controls, Bureau of Political-Military Affairs, U.S. Department of State, Washington, DC 20522-0112 when: (1) the total value authorized has been shipped; (2) the applicant states that there will be no further shipments; (3) the date of expiration is reached; or (4) when requested by the Directorate of Defense Trade Controls.

#### ENDORSEMENT

Indicate below which ITEM on the face of the license is BEING EXPORTED and maintain a CONTINUING BALANCE of the remaining value:

SHIPMENT	QUANTITY	COMMODITY	SHIPMENT	SED NO.	INITIALS	PORT OF
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DATE			VALUE			EXIT/ENTRY
TOTAL AUTHORIZED VALUE :						

REMAINING BALANCE :