



Small Airplane Directorate  
Atlanta Manufacturing Inspection  
District Office  
One Crown Center, Suite 225  
1895 Phoenix Boulevard,  
Atlanta, GA 30349

**U.S. Department  
of Transportation**

**Federal Aviation  
Administration**

July 18, 2005

Project No. PQ1465CE

Aero Design, Inc.  
A HEICO Aerospace Company  
385 Industrial Drive  
Mt. Juliet, TN 37122

**FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL**

In accordance with the provisions of 14 CFR part 21, Subpart K, we have found that the design data, based on Test & Computations submitted by Aero Design, Inc. with FAA design approval letter dated, July 7, 2005, meet the airworthiness requirements of the regulations applicable to the products on which the parts are to be installed. Additionally, it has been determined that Aero Design, Inc. has established the fabrication inspection system required by part 21 § 21.303(h) at 385 Industrial Park Drive, Mt. Juliet, TN. Accordingly, Parts Manufacturer Approval (PMA) is hereby granted for production of the replacement parts listed in the enclosed Supplement No. 129.

You are reminded that the provisions of the Federal Aviation Regulations, noted in our PMA letter of approval dated March 30, 1995, also apply to the enclosed PMA Listing-Supplement No. 129.

Sincerely,

*For: Angelia D. Tuggle*  
Jim Reeves  
Manager, Atlanta Manufacturing  
Inspection District Office

Enclosure

**FEDERAL AVIATION ADMINISTRATION-PARTS MANUFACTURER APPROVAL**

Aero Design, Inc.  
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 385 Industrial Park Drive  
 Mt. Juliet, TN 37122

PMA NO. PQ1465CE  
 SUPPLEMENT NO. 129  
 DATE: JULY 18, 2005

<u>Part Name</u>	<u>Part Number</u>	<u>Approved Replacement for Part Number</u>	<u>Approval Basis and Approved Design Data</u>	<u>Make Eligibility</u>	<u>Model Eligibility</u>
Battery Temp Sensor	AD-29529-002	Marathon Battery Temp Sensor. Part Number 29529-002	Test and Computations per 14 CFR Part 21.303 (c)(4), Aero Design, Inc.'s, <u>Dwg No:</u> A-1228A, <u>Rev:</u> 3, <u>Date:</u> 06/14/05 , Or later FAA Approved Revision	Empresa Brasileira de Aeronautica S.A. (Embraer)	EMB-145, EMB-145ER, EMB-145MR, EMB-145LR, EMB-145EP, EMB-145-XR  EMB-135ER, EMB-135LR

**-END OF LISTING-**

**NOTE: Minor design changes (reference 14 CFR Part 21 §§ 21.93 and 21.95) must be submitted in a manner as determined by the ACO. Major design changes (reference 14 CFR Part 21 §§ 21.93 and 21.97) to drawings and specifications are to be handled in the same manner as that for an original FAA-PMA.**

*For: Angelica D. Tuggle*  
 Jim Reeves  
 Manager, Atlanta Manufacturing  
 Inspection District Office