



Note: Validation of equivalence within a specific application is at the discretion of the Customer.



High-Performance Semiconductors

Reliability Qualification Results

Device: 4966, (7866)

Fab Location: PSL

Assy Lot #: 1445105PXAB

Package: LB (SOIC)

Number of Leads: 16

Assembly Location: Carsem

Lead Finish: 100% Sn

Tracking Number: 2941

Reason For Qualification: 4966, (7866) – Dual Full-Bridge PWM Motor Driver

<i>Reliability Qualification Results</i>							
<i>4966 (7866), STR#2941</i>						Requirements	
Stress Test	Abv.	Test #	Test Method	Test Conditions	S.S.	Results	
Electrical Distributions	ED	E5	AEC Q100-009	Tri-Temp Electrical Distributions	30 pcs/lot	0 Rejects; Cpk>1.67	
Review of previous Electrical Distributions vs. New results	A-vs.-B	E5-B	AEC Q100-009	Tri-Temp Electrical Distributions	30 pcs/lot	0 Rejects; Cpk>1.67 Review Approved.	

Note:

1. Reference 4966 STR#1542 for full qual data.

This device qualification is considered to be passing all environmental stress evaluations per the *Allegro MicroSystems, LLC* 900019 specification.



PCN Number:
Chgnot.doc rev 13 1/14

Is a PPAP update required?

Yes

No

Is reliability testing required?
(If Yes, refer to attached plan)

Yes

No (explain)

Expected completion date for internal qualification:

The same make and model test equipment will be utilized and test site transfer buy off data will be on file for each device before production begins.

Expected PPAP availability date: N/A

Target implementation date: October 1, 2015

Estimated date of first shipment: November 1, 2015

Expected sample availability date: Available Now

Customer Approval Required: Yes **Date Required:**

No **Notification Only**

Please note: It is our intention to inform our customer of changes as early as possible. Under Allegro’s procedure for product/process change notification, Allegro strives, based on its technical judgment, to provide notification of significant changes that may affect form, fit or function. However, as Allegro cannot ensure evaluation of product/process changes for each and every application; the customer retains responsibility to validate the impact of a change on its application suitability. If samples are needed for validation of a change, requests may be made via the contact information provided herein. Please contact your Account Manager or local Sales contact for any questions. We would kindly request your consideration so we can meet our target date for implementation. Unless both parties agree to extend the implementation date, this change will be implemented as scheduled.

Customer comments/Conditions of Acceptance:

Approved by:

Date:

Title:

cc: Allegro Sales/Marketing/Quality