

PCN Number:	20191125000.1	PCN Date:	Dec 03, 2019
Title:	Qualification of Carrier Tape for Select DSBGA Package Devices		
Customer Contact:	PCN Manager	Dept:	Quality Services
Proposed 1st Ship Date:	Mar 03, 2020		
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification
<input type="checkbox"/>	Test Site	<input checked="" type="checkbox"/>	Packing/Shipping/Labeling
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials
<input type="checkbox"/>		<input type="checkbox"/>	Part number change
<input type="checkbox"/>		<input type="checkbox"/>	Assembly Materials
<input type="checkbox"/>		<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>		<input type="checkbox"/>	Test Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>		<input type="checkbox"/>	Wafer Fab Process

PCN Details

Description of Change:

This notification is to inform of TI's Qualification of Carrier Tape for Select DSBGA Package Devices. All new packing materials are qualified and currently in use for other products. Carrier Tape design differences are shown below:

DRV5011ADYBHR/T Carrier Tape Change

Carrier Tape Dimension	DRV5011ADYBHR	
	From	To
Part No.	4156725-0178	4142781-0165
Supplier	3M	Advantek
Ao	0.89±0.05	0.85±0.03
Bo	0.89±0.05	0.89±0.03
Ko	0.58±0.05	0.51±0.03
P1	4.0±0.1	2.0±0.1
P2	2.0±0.05	2.0±0.05
Po	4.0±0.1	4.0±0.1
W	8.0+0.3/-0.1	8.0+0.3/-0.1
T	0.20±0.02	0.25±0.02
Do	1.5±0.1	1.5+0.1/-0
D1	0.20±0.05	0.20±0.1
E1	1.75±0.1	1.75±0.1
F	3.5±0.05	3.5±0.05
Draft Angle	2°max	3°max

Reason for Change:

Compliance to EIA standard	
Anticipated impact on Fit, Form, Function, Quality or Reliability (positive / negative):	
None	
Changes to product identification resulting from this PCN:	
None	
Product Affected:	
DRV5011ADYBHR	DRV5011ADYBHT



EQ# : 1918
A/T Site TI Clark

WCSP Carrier Tape Qualification Summary

Reference (QSS 003-008, 005-701, 007-102, 009-006, 014-102)

Supplier: Advantek
Vendor Part No: AAH192-ABB1000L7K
TI Part No: 4142781-0165
Weight/meter (g): 2
Material: POLYCARBONATE
Package Description WCSP
Package Designator: YBH
Result: PASS
Date: June 28, 2019

I. First Article Inspection Test	<u>PASS</u>	(Pass/Fail)
II. Manufacturability Test	<u>PASS</u>	
III. Dimensional Test	<u>PASS</u>	
IV. Camber Test	<u>PASS</u>	
V. Surface Resistivity Test	<u>PASS</u>	
VI. Fit Analysis	<u>PASS</u>	
VII. Drop Test	<u>PASS</u>	

Reference Spec #: A-P-WPCK-00002 Rev. 001

For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

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