Product Change Notification

Preliminary ☐ **Final** ■

PCN #	**PC001-20121200209**	**Issue date : 20121205**
Supplier Name	**Realtek Semiconductor Corp.**	
Supplier Contacts	**Antony Chien**	
Change Category	☐ **Chip related changes** ☐ **Process** ☐ **Design** ☐ **Specification** ☐ **Package Type** ☐ **Package material** ☐ **Testing software** ☐ **Application related changes** ☐ **Schematics** ☐ **Layout** ☐ **BOM** ☐ **Software** ■ **Others** ☐ **EMS** ☐ **Marking** ■ **others** **Realtek Packing Method Optimum**	
Title of Change	**Realtek Packing Method Optimum**	
Change Description	**1. Drop test condition: (refer to IEC & JIS)**	

	Realtek origin	Realtek origin+ 4 faces wrapped with bubble sheet	Realtek origin+ 6 faces wrapped with bubble sheet
Packing Method			
Ref Spec	**IEC(International Electrotechnical Commission)60068-2-32 & JIS(Japanese Industrial Standard)0202** Drop Height:100cm Drop sequence: 1 corner, 3 edges and 6 face (Total of 10 drop)		
Drop test Index	AL bag cannot be broken and IC not be damaged		

2. Drop test flow: **Height :100cm**
1 corner, 3 edges and 6 faces (Total 10 drop/cycle)

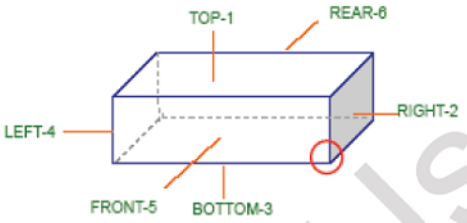
Drop Test

2.4 TEST CONDITION

Unit is packaged.

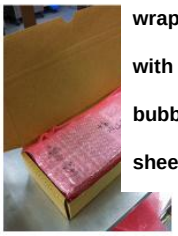
Drop height : 100 cm

Drop sequence : 1 corner, 3 edges and 6 faces (Total of 10 drops)



Drop sequence	Drop surface	Drop sequence	Drop surface
1	Corner (2-3-5)	6	Right face
2	Edge (2-5)	7	Front face
3	Edge (2-3)	8	Rear face
4	Edge (3-5)	9	Bottom face
5	Left face	10	Top face

3. Drop Test Result:

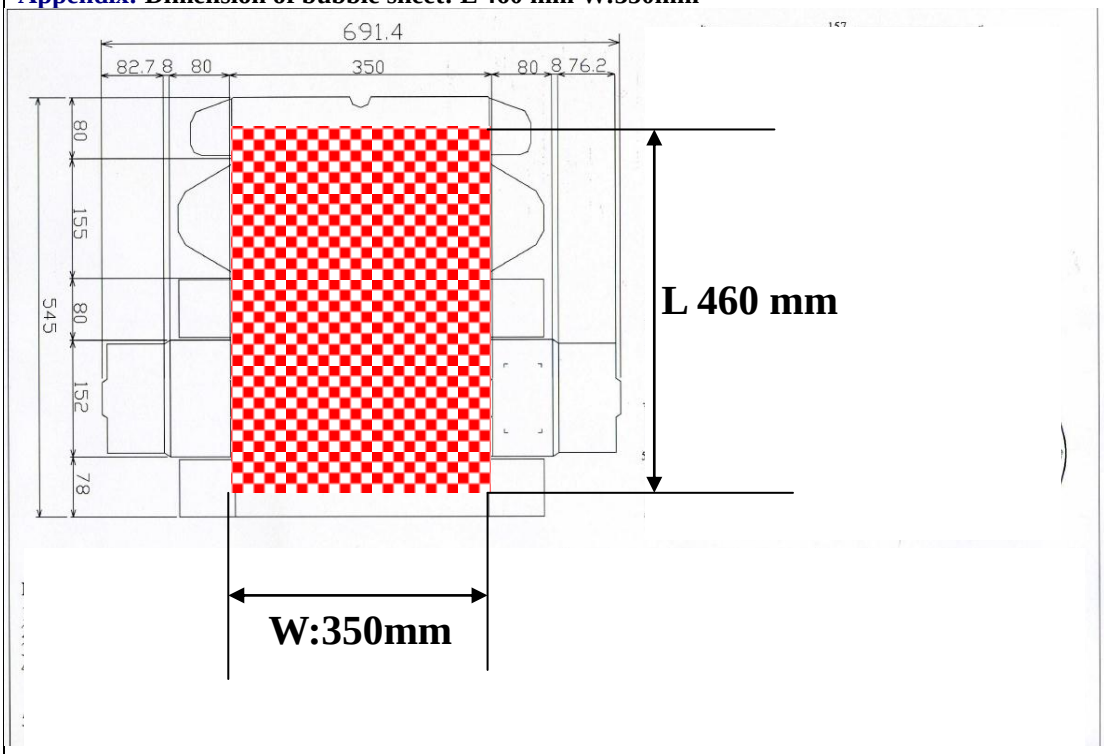
	Realtek origin	Realtek origin+ 4 face wrapped with bubble sheet	Realtek origin+ 6 face wrapped with bubble sheet
1 Packing Method			
Test Result (1 cycle)	Pass	Pass	Pass
Test Result (2 cycle)	Fail (2-2)	Pass	Pass
Test Result (3 cycle)		Fail(3-4)	Fail(3-4)

1.Drop test : 6 face wrapped with bubble sheets =4 sites wrapped with bubble sheet >Realtek origin

2.To add the bubble sheet to enhance the protection-ability of dropping on edge than Realtek origin packing method.

4. Conclusion:

- **To add the 4 face wrapped with bubble sheet solution for enhancing the protection-ability of dropping impact.**
- **The new packing method will be implemented from 2013 DC01 by running change.**

	Appendix: Dimension of bubble sheet: L 460 mm W:350mm 
Reason for Change	**Packing Optimum**
Change Classification	**Major :** ☐**Class 1（Approval necessary） Minor :** ■**Class 2**
Product Affected	**None**
Change Identification	☐**Product Mark** ☐**Back Mark** ☐**Date Code** ☐**Others** ■**N/A**
Key Date	**Implementation 2013 DC01** / **Samples Available** .N/A / **Last Date to Purchase Unchanged Part N/A**
Sites Affected	N/A
Risk Assessment	**Risk Level :** ☐**High** ☐**Medium** ■**Low**
Qualification	■**See Attachment(MSDS-LDPE-En.pdf & 氣泡布 CE_2012_23520E.pdf)** ☐**NA** ☐**Description as below：**
Customer Approval	**Company：** **Signature：** / **Date :**