

Integrated Device Technology, Inc  
6024 Silver Creek Valley Road  
San Jose, CA 95138

## Certificate of Compliance - RoHS Compliance Declaration

The European Union (EU) Directive 2002/95/EC issued on January 27<sup>th</sup>, 2003 applies to the restriction of the use of certain hazardous substances (RoHS) in electrical and electronic equipment. The EU has subsequently reviewed and recast the directive as RoHS Directive 2011/65/EU (RoHS 2) on June 8<sup>th</sup>, 2011. RoHS 2 will repeal and replace the original RoHS Directive on January 3, 2013.

This declaration is to certify that all IDT Flip Chip packages meet the requirements of the RoHS Directive 2002/95/EC and the revised and recast RoHS Directive 2011/65/EU which includes use of exemptions listed in the Annex as shown below:

Exemption 15: Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages.

As shown in Appendix A and pursuant to Article 4 of the RoHS directive, IDT Flip Chip packages do not contain the restricted materials above their respective limits. Also, this declaration shall confirm that IDT's Flip Chip packages comply with the additional package material limits of RoHS 2 and other industry related substance restrictions.

This information concerning the substances contained in products is based on information provided by third parties. IDT does not routinely conduct destructive testing or chemical analysis of incoming material, and does not warranty and guarantee the accuracy of the information. IDT does, however, possess a reasonable belief that the information herein is representative and accurate.

This declaration refers to the product and does not include packing materials, such as trays, plastic bands, plastic tubes, cardboard boxes, etc.

Signature:



Date: April 05, 2012

Name: LS Koay

Title: QA Manager

**APPENDIX A: IDT Flip Chip Restricted Substance Limits**

RoHS Restricted Substance		Allowable Limit
Cadmium and its compounds*		100 ppm (0.01 weight %)
Mercury and its compounds		1000 ppm (0.1 weight %)
Hexavalent chromium and its compounds		1000 ppm (0.1 weight %)
Lead and its compounds		Exemption 15
Polybrominated biphenyls (PBB)		1000 ppm (0.1 weight %)
Polybrominated diphenyl ethers (PBDE) (including DecaBDE)		1000 ppm (0.1 weight %)
Perfluorooctane Sulfonates (PFOS) CAS# 1763-23-1		Not Contained
Perfluorooctanoic acid (PFOA) CAS# 335-67-1		Not Contained
Ozone Depleting Substances (ODS)		Not Used in Manufacturing/ Not Intentionally Added
Polyvinyl chloride(PVC) and PVC blends		Not Used in Manufacturing/ Not Intentionally Added
HBCDD – Hexabromocyclododecane, CAS# 25637-99-4, 3194-55-6		Not Contained
DEHP – Bis (2-ethylhexyl) phthalate, CAS# 117-81-7		Not Contained
BBP – Butyl benzyl phthalate, CAS# 85-68-7		Not Contained
DBP – Dibutyl phthalate, CAS# 84-74-2		Not Contained
Other Restricted Substances		Allowable Limit
Halogen Free	Bromine (Br) CAS# 7726-95-6	900 ppm
	Chlorine (Cl) CAS# 7782-50-5	900 ppm
	Bromine (Br) CAS# 7726-95-6 + Chlorine (Cl) CAS# 7782-50-5	1500 ppm
Antimony (Sb) CAS# 7440-36-0 &		750 ppm
Antimony Trioxide (Sb <sub>2</sub> O <sub>3</sub> ) CAS# 1309-64-4		750 ppm
Red Phosphorus (P <sub>4</sub> ) CAS# 7723-14-0		100 ppm
TBTO (Tributyltin Oxide) CAS# 56-35-9		Not Used in Manufacturing/ Not Intentionally Added
DIBP – Diisobutyl phthalate, CAS #84-69-5		Not Used in Manufacturing/ Not Intentionally Added