



TAIWAN SEMICONDUCTOR CO., LTD.

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To: Dear Customer

On behalf of Taiwan Semiconductor Corp. abbreviated "TSC" hereinafter, we guarantee the banned substances specified in RoHS directive 2002/95/EC of environmental requirements for substances and others (which contains all requirements in SS-00259) and REACH directive ED/67/2008 are not used herein in TSC's products across-the-board as well as TSC manufacturing process:

ROHS BANNED SUBSTANCES INCLUDE:

- A. LD AND LEAD COMPOUNDS
- B. CADMIUM AND CADMIUM COMPOUNDS
- C. MERCURY AND MERCURY COMPOUNDS
- D. HEXAVALENT CHROMIUM COMPOUNDS
- E. POLYCHLORINATED BIPHENYL (PCB)
- F. POLYCHLORINATED PHTHALENE
- G. CHLORINATED PARAFFIN (CP)
- H. OTHER CHLORINATED ORGANIC COMPOUNDS
- I. PBB AND PBDE
- J. ANTIMONY TRIOXIDE
- K. OTHER BROMINATED ORGANIC COMPOUNDS
- L. ORGANIC TIN COMPOUNDS (TRIBUTYL TIN COMPOUNDS, TRIPHENYL TIN COMPOUNDS)
- M. ASBESTOS
- N. FORMALDEHYDE
- O. PVC AND PVC COMPOUNDS
- P. HALON
- Q. BENZENE
- R. AZO COMPOUNDS
- S. PFOA
- T. PFOS
- U. F (FLUORINE) <900PPM
- V. CL (CHLORINE) <900PPM
- W. BR (BROMINE) <900PPM
- X. I (IODINE) <900PPM

REACH BANNED SUBSTANCES INCLUDE:

- A. ANTHRACENE
- B. 4,4'-DIAMINODIPHENYLMETHANE(M DA)
- C. DIBUTYL PHTHALATE(DBP)
- D. DIARSENIC PENTAOXIDE
- E. DIARSENIC TRIOXIDE
- F. SODIUM DICHROMATE
- G. 5-TERT-BUTYL-2,4,6-TRINITRO-M-XY LENE
- H. BIS(2-ETHYLHEXYL)PHTHALATE(DEHP)
- I. HEXABROMOCYCLODODECANE(HBCDD)
- J. ALKANES,C10-13,CHLORO(SHORT CHAIN CHLORINATED PARAFFINS)
- K. BIS(TRIBUTYLTIN)OXIDE(TBTO)
- L. BENZYL BUTYL PHTHALATE(BBP)
- M. ALPHA-HEXABROMOCYCLODOBECANE, BETA-HEXABROMOCYCLODOBECANE, GAMMA-HEXABROMOCYCLODOBECAN E
- N. LEAD HYDROGEN ARSENATE
- O. TRIETHYL ARSENATE
- P. COBALT DICHLORIDE



Remark: The following materials are exempted according to RoHS directive 2002/95/EC and Sony SS-00259. and REACH directive ED/67/2008

(1):Lead in high melting temperature type solders (ie: tin-solder alloys containing more that 85% lead).

(2):Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.

(3):Following the decision dated April 1st, 2008 from the European Court of Justice to cancel point n°2 of the Decision 2005/717/EC, the substance decaBDE will no longer be exempted in electrical and electronic components and goods as of July 1st, 2008.

Company name & chop: Taiwan Semiconductor CO., LTD

Person in charge and signature: L.C.KAO

L.C.Kao (AVP of QRA)