

Schema Database Version\*  
Substance Database Version\*

cdv1  
JIG-101 Ed. 3.1

Ver.012

**Supplier Information**

Company Name*	Intel Corporation	Contact Name*	Christopher P Woodbury
Response Document ID	7481	Contact Title*	Intel Product Ecology
Company Unique ID	047897855	Contact Phone*	1-800-628-8686
Unique ID Authority	Dun and Bradstreet	Contact Email*	rohs@intel.com
Response Date*	4/5/2013		

Supplier Comments: <http://qdms.intel.com> - Intel certifies that it gathered the provided information AND such information is true AND correct to the best of its knowledge AND belief, as of the date that Intel completes this form. Intel acknowledges that Customer will rely on this certification IN determining the compliance of its products. Customer acknowledges that Intel may have relied on information provided by others IN completing this form, AND that Intel may NOT have independently verified such information. However, IN situations WHERE Intel has NOT independently verified information provided by others, Intel agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part(s), AND those certifications are at least as comprehensive as the certification IN this paragraph. If the Customer AND the Intel enter INTO a written agreement with respect to the identified part(s), the terms AND conditions of that agreement, including any warranty rights AND/or remedies provided as part of that agreement, will be the sole AND exclusive source of the Intels liability AND the Customers remedies for issues that arise regarding information the Intel provides IN this form. In the absence of such written agreement, the warranty rights AND/or remedies of Intel's Standard Terms AND Conditions of Sale applicable to such part shall apply.

**Product(s)**

ProductFamilyName	Requester Item Number	Mfr Item Number*	Mfr Item Description	Effective Date*	Mass*	UoM*	Comment
		FC-PGA10	64BIT MPU 2.5G 3MB FCPGA10 988L	4/5/2013	5.8676	g	

**Product Part(s)**

ID*	Description	Effective Date*	Units*	% of Product Mass
FC-PGA10	IC	4/5/2013	1	100.00
				<b>100.00</b>

**Declaration**

**RoHS II per Directive 2011/65/EU of the European Parliament Exemptions**

Product Meets the EU RoHS requirements

**Low Halogen**

Low Halogen: Applies only to brominated AND chlorinated flame retardants (BFRs/CFRs) AND PVC IN the final product. Intel components as well as purchased components on the finished assembly meet JEDEC JS-709A requirements, AND the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants AND/or PVC may NOT be better for the environment.

**Signature**

Signature Intel Product Ecology

Product Part ID: FC-PGA10 Product Part Description: IC

RoHS Substance Group (JIG-101 Ed 3.1)	Description of Use (Reportable Application)	Homogeneous Threshold	Above the threshold? Y/N	Substance Mass% of homogeneous layer	Homogeneous material name	Homogeneous Material Mass% of product part	Exemption	Comments
Cadmium/Cadmium Compounds	All, except batteries	0.01 % by weight (100 ppm) of homogeneous materials	No					
Chromium VI Compounds	All	0.1 % by weight (1,000 ppm) of homogeneous materials	No					
Lead/Lead Compounds	All, except as noted in the JIG Substance Group section	0.1 % by weight (1000 ppm) of homogeneous materials	No					
Mercury/Mercury Compounds	All, except batteries	Intentionally added or 0.1 % (1000 ppm) of homogeneous material	No					
Polybrominated Biphenyls (PBBs)	All	0.1 % by weight (1000 ppm) in homogeneous material	No					
Polybrominated Diphenylethers (PBDEs)	All	0.1 % by weight (1000 ppm) in homogeneous material	No					

JIG Substance Group (JIG-101 Ed 3.1)	Description of Use (Reportable Application)	Article Threshold	Above the threshold? Y/N	Substance Mass% of product part	Comments
Asbestos	All	Intentionally added	No		
Azocolourants and azodyes which form certain aromatic amines	Textiles and leather	0.003 % by weight (30 ppm) of the finished textile/leather article	No		
Brominated Flame Retardants (other than PBBs, PBDEs or HBCDD)	Plastic parts >25 grams other than in printed wiring board assemblies	0.1 % by weight (1000 ppm) of the plastic material	No		
Brominated Flame Retardants (other than PBBs, PBDEs or HBCDD)	Printed wiring board laminate	0.09 % total bromine content by weight (900 ppm) in laminate	No		
Cadmium/Cadmium Compounds	Batteries	0.0005 % by weight (5 ppm) of battery	No		
Dibutyltin (DBT) Compounds	All	0.1% by weight (1000 ppm) of tin in a material	No		
Diocetyl tin (DOT) Compounds	(a) Textiles, (b) childcare articles, (3) RTV-2 moulding kits	0.1% by weight (1000 ppm) of tin in a material	No		
Fluorinated greenhouse gases (PFC, SF6, HFC)	All	Intentionally added	No		
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	All	0.1 % by weight (1,000 ppm) of the product	No		
Lead/Lead Compounds	Consumer products designed or intended primarily for children 12 years of age or younger	0.03% by weight (300 ppm) of children's product	No		
Lead/Lead Compounds	Paint and similar surface coatings of toys and other articles intended for use by children	0.009 % by weight of surface coating	No		
Lead/Lead Compounds	Cables/cords with thermoset or thermoplastic coatings	0.03 % by weight (300 ppm) of surface coating	No		
Lead/Lead Compounds	Batteries	0.004 % by weight (40 ppm) of battery	No		
Mercury/Mercury Compounds	Batteries	0.0001% by weight (1 ppm) of battery	No		
Ozone Depleting Substances	All	Intentionally added	No		
Perchlorates	All	0.000006 % by weight (0.006 ppm) of the product	No		
Perfluorooctane sulfonate (PFOS)	All	Intentionally added	No		
Select Phthalates Group 1 (BBP, DBP, DEHP)	Children's toys or child care article	0.1 % by weight (1000 ppm) of plasticized material	No		
Selected Phthalates Group 2 (DIDP, DINP, DNOP)	Children's toys or child care article that can be placed in child's mouth	0.1 % by weight (1000 ppm) of plasticized material	No		
Polychlorinated Biphenyls (PCBs) and specific substitutes	All	Intentionally added	No		

**Product Part ID:** FC-PGA10 **Product Part Description:** IC

Polychlorinated Terphenyls (PCTs)	All	Intentionally added	No		
Polychlorinated Naphthalenes (more than 3 chlorine atoms)	All	Intentionally added	No		
Polyvinyl Chloride (PVC)	All	0.1 % by weight (1000 ppm) of product	No		
Radioactive Substances	All	Intentionally added	No		
Refractory Ceramic Fibres, Aluminosilicate	All	0.1% by weight (1000 ppm) of the product	No		
Refractory Ceramic Fibres, Zirconia Aluminosilicate	All	0.1% by weight (1000 ppm) of the product	No		
Shortchain Chlorinated Paraffins (C10 - C13)	All	0.1 % by weight (1,000 ppm) of product	No		
Tri-substituted organostannic compounds	All	0.1% by weight (1000 ppm) of tin in a material	No		

REACH Substance List (IIG-101 Ed 3.1)	Reportable Application	Threshold	Above threshold?	Substance Mass% of product part	Authority	Number	Comments
Diarsenic pentaoxide	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	1303-28-2	
Diarsenic trioxide	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	1327-53-3	
Beryllium oxide (BeO)	All	0.1 % by weight (1000 ppm) of the product	No		CAS	1304-56-9	
Cobalt dichloride	All	0.1% by weight (1000 ppm) of the product	No		CAS	7646-79-9	
Dimethyl fumarate	All	0.00001% by weight (0.1 ppm) in a material	No		CAS	624-49-7	
Formaldehyde	Composite Wood (plywood, particle board, MDF) products or components	Intentionally added	No		CAS	50-00-0	
Formaldehyde	Textiles	0.0075 % by weight (75 ppm) of textile product	No		CAS	50-00-0	
Lead chromate	All	0.1% by weight (1000 ppm) of the product	No		CAS	7758-97-6	
Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	All	0.1% by weight (1000 ppm) of the product	No		CAS	12656-85-8	
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	All	0.1% by weight (1000 ppm) of the product	No		CAS	1344-37-2	
Nickel	All, where prolonged skin contact is expected	Intentionally added	No		CAS	7440-02-0	
Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dimethylethyl)	All	Intentionally added	No		CAS	3846-71-7	
Bis (2-ethylhexyl)phthalate (DEHP)	All	0.1 % by weight (1000 ppm) of the product	No		CAS	117-81-7	
Dibutyl phthalate (DBP)	All	0.1 % by weight (1000 ppm) of the product	No		CAS	84-74-2	
Benzyl butyl phthalate (BBP)	All	0.1 % by weight (1000 ppm) of the product	No		CAS	85-68-7	
Diisobutyl phthalate	All	0.1 % by weight (1000 ppm) of the product	No		CAS	84-69-5	
Bis(tributyltin)oxide (TBTO)	All	Intentionally added or 0.1 % by weight (1,000 ppm) of the product	No		CAS	56-35-9	
Tris(2-chloroethyl)phosphate	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	115-96-8	
Tetraboron disodium heptaoxide, hydrate	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	12267-73-1	
Disodium tetraborate, anhydrous	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	1303-96-4, 1330-43-4, 12179-04-3	
Boric Acid	All	0.1 % by weight (1,000 ppm) of the product	No		CAS	10043-35-3, 11113-50-1	