Schema Database Version* IEC 62474 X3.00
Substance Database Version* IEC 62474 D11.00

Supplier Information

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Response Date*	4/27/2016		

Supplier Comments

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Product(s)

Product Family Name: Intel® Ethernet SFP+ Optics

Requester Item Number	Mfr Item Number*	Mfr Item Description	Effective Date*	Mass*	UOM*	Comment
	903239		4/27/2016	18.9846	g	
	909923		5/2/2016	18.9846	g	
	909934		5/2/2016	18.9846	g	
	903240		5/2/2016	18.9846	g	

Product Part(s)

ID*	Description	Effective Date*	Units*	% of Product Mass	Comment*
NIC-1	Optic IC	4/27/2016	1	92.7594 %	
	Other Misc Parts	4/27/2016	1	7.240602 %	

Declaration

This product does not contain PVC		**True**
This product is Low Halogen (Components): Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. The replacement of halogenated flame retardants and/or PVC may not be better for the environment. Intel components as well as purchased components on the finished assembly meet the joint JEDEC/ECA JS-709A requirement.		**True**
This product is Low Halogen (PCB): Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) in the PCB laminate. The replacement of halogenated flame retardants may not be better for the environment. The PCB / substrate meet IEC 61249-2-21 requirements.		**False**
This product is EU RoHS 2 (Directive 2011/65/EU) compliant.		**True**
This product contains the selected exemptions from IPC EL2010/571/EU list.		**True**
Exemptions	**7(c)-I**	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound
	13(a)	Lead in white glasses used for optical applications

Signature

Signature C=US, E=productecology@intel.com, OU="", O=Intel Corporation, CN=Intel Product Ecology

Part ID	Description	# of Units	Part Mass %
NIC-1	**Optic IC**	**1**	**92.7594**

RoHS

Homogeneous Material Name	Material Class ID	HM Mass %	Substance Group	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass %	Exemption	Comments
			Cadmium/Cadmium compounds	All, except batteries	0.01 mass% of total Cd in homogenous material	False			
			Chromium (VI) Compounds	All	0.1 mass% of total Cr+6 in homogenous material	False			

Glass	M-010	1%	Lead/Lead Compounds	All, except for batteries, cables and children's articles/toys	0.1 mass% of total Pb in homogenous material	True	30 %	7(c)-I-Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound	
Glass	M-010	0.1%	Lead/Lead Compounds	All, except for batteries, cables and children's articles/toys	0.1 mass% of total Pb in homogenous material	True	20 %	13(a)-Lead in white glasses used for optical applications	
			Mercury/Mercury Compounds	All, except batteries	Intentionally Added or 0.1 mass% of total Hg in homogenous material	False			
			Polybrominated Biphenyls (PBBs)	All	0.1 mass% in homogenous material	False			
			Polybrominated Diphenylethers (PBDEs)	All	0.1 mass% in homogenous material	False			

Low Halogen

Homogeneous Material Name	Material Class ID	Material Mass%	Substance Group	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass% of Material	Comments
			Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	Plastic materials except printed wiring board laminates	0.1 mass% of bromine in plastic materials	False		
			Chlorinated Flame Retardants (CFR)	Plastic materials except printed wiring board laminates	0.1 mass% chlorine in plastic materials	False		
Printed wiring board laminate	M-014	3.6046 %	Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	Printed wiring board laminate	0.09 mass% total bromine content in laminate	True	1.2322 %	
PVC	M-012	0						

Part ID	Description	# of Units	Part Mass %
	Other Misc Parts	1	7.240602

RoHS

Homogeneous Material Name	Material Class ID	HM Mass %	Substance Group	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass %	Exemption	Comments
			Cadmium/Cadmium compounds	All, except batteries	0.01 mass% of total Cd in homogenous material	False			
			Chromium (VI) Compounds	All	0.1 mass% of total Cr+6 in homogenous material	False			
			Lead/Lead Compounds	All, except for batteries, cables and children's articles/toys	0.1 mass% of total Pb in homogenous material	False			
			Mercury/Mercury Compounds	All, except batteries	Intentionally Added or 0.1 mass% of total Hg in homogenous material	False			
			Polybrominated Biphenyls (PBBs)	All	0.1 mass% in homogenous material	False			
			Polybrominated Diphenylethers (PBDEs)	All	0.1 mass% in homogenous material	False			

Low Halogen

Homogeneous Material Name	Material Class ID	Material Mass%	Substance Group	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass% of Material	Comments
			Brominated flame retardants (other than PBBs, PBDEs, or HBCDD)	Plastic materials except printed wiring board laminates	0.1 mass% of bromine in plastic materials	False		
			Chlorinated Flame Retardants (CFR)	Plastic materials except printed wiring board laminates	0.1 mass% chlorine in plastic materials	False		
PVC	M-012	0						

Other Declarable Substances

Substance Group	Substance	CAS #	Reportable Application	Reporting Threshold	Above Threshold? (T/F)	Substance Mass (% of Article)	Comments
4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]			All	0.1 mass% of article	False	0 %	
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)			All	Intentionally added or 0.1 mass% of article	False	0 %	
Aluminosilicate Refractory Ceramic Fibres			All	0.1 mass% of article	False	0 %	
Asbestos			All	Intentionally added	False	0 %	
Azocolourants and azodyes which form certain aromatic amines			Textiles and Leather	0.003% by weight of the finished textile/leather product	False	0 %	
Cadmium/Cadmium compounds			Batteries	0.001% by weight of battery	False	0 %	
Dibutyltin (DBT) compounds			All	0.1 mass% of tin in the part	False	0 %	
Dioctyltin (DOT) compounds			(a) textile and leather articles intended to come into contact with the skin,,(b) childcare articles,(c) two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits)	0.1 mass% of tin in the part	False	0 %	

Disodium tetraborates			All	0.1 mass% of article	False	0 %	
Fluorinated Greenhouse Gases (PFC, SF6, HFC)			All	Intentionally Added	False	0 %	
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane			All	Intentionally added or 0.1 mass% of article	False	0 %	
Hexahydromethylphthalic anhydride			All	0.1 mass% of article	False	0 %	
Lead/Lead Compounds			Consumer products designed or intended primarily for children 12 years of age or younger	0.01 mass%	False	0 %	
Lead/Lead Compounds			Paint and similar surface coatings of toys and other articles intended for use by children	0.009 mass% of surface coating material	False	0 %	
Lead/Lead Compounds			Cables/cords with thermoset or thermoplastic coatings	0.03 mass% of surface coating material	False	0 %	
Lead/Lead Compounds			Batteries	0.004 mass% of battery	False	0 %	
Mercury/Mercury Compounds			Batteries	Intentionally added or 0.0001 mass% of battery	False	0 %	
Mercury/Mercury Compounds			Batteries	0.0005 mass% of total Hg in homogenous material	False	0 %	
Ozone Depleting Substances (CFC, Halon, HBFC, HCFC & others)			All	Intentionally Added	False	0 %	
Perchlorates			All	6 x 10 ^-7 mass% of battery or product part	False	0 %	
Perfluorooctane sulfonates (PFOS)			Textiles or other coated materials.	Intentionally added or 1 microgram/m2 of coated material	False	0 %	

Perfluorooctane sulfonates (PFOS)			All except textiles or other coated materials.	Intentionally added or 0.1 mass% of the part (as the sum of PFOS)	False	0 %	
Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA			Textiles, photographic coatings applied to films, paper or printing plates and other coated consumer products.	1 microgram/m2 (as the sum of PFOA)	False	0 %	
Perfluorooctanoic acid (PFOA) and individual salts and esters of PFOA			All except textiles, photographic coatings applied to films, paper or printing plates and other coated consumer products.	0.1 mass% of the part (as the sum of PFOA)	False	0 %	
Phthalates, Selected Group 1 (BBP, DBP, DEHP)			Children's toy or child care article	0.1 mass% as the sum of the phthalate concentrations in plasticized material	False	0 %	
Phthalates, Selected Group 2 (DIDP, DINP, DNOP)			Children's toy or child care article that can be placed in a child's mouth	0.1 mass% as the sum of the phthalate concentrations in plasticized material	False	0 %	
Polychlorinated Biphenyls (PCBs) and specific substitutes			All	Intentionally added	False	0 %	
Polychlorinated Naphthalenes (PCNs)			All	Intentionally added	False	0 %	
Polychlorinated Terphenyls (PCTs)			All	0.005 mass% in material	False	0 %	
Radioactive substances			All	Intentionally added	False	0 %	
Tri-substituted organostannic compounds			All	Intentionally added or 0.1 mass% of tin in the part	False	0 %	
Zirconia Aluminosilicate Refractory Ceramic Fibres			All	0.1 mass% of article	False	0 %	
	[Phthalato(2-)]dioxotrilead		All	0.1 mass% of article	False	0 %	

	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with 0.3% of dihexyl phthalate (EC No. 201-559-5)		All	0.1 mass% of article	False	0 %	
	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich		All	0.1 mass% of article	False	0 %	
	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters		All	0.1 mass% of article	False	0 %	
	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear		All	0.1 mass% of article	False	0 %	
	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear		All	0.1 mass% of article	False	0 %	
	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)		All	0.1 mass% of article	False	0 %	
	1,2-Diethoxyethane		All	0.1 mass% of article	False	0 %	
	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)		All	0.1 mass% of article	False	0 %	
	1,3-propanesultone		All	0.1 mass% of article	False	0 %	
	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)		All	0.1 mass% of article	False	0 %	
	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)		All	0.1 mass% of article	False	0 %	
	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)		All	0.1 mass% of article	False	0 %	

	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)		All	Intentionally added or 0.1 mass% of article	False	0 %	
	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)		All	0.1 mass% of article	False	0 %	
	4-(1,1,3,3-tetramethylbutyl)phenol		All	0.1 mass% of article	False	0 %	
	4-Aminoazobenzene		All	0.1 mass% of article	False	0 %	
	Ammonium pentadecafluorooctanoate (APFO)		All	0.1 mass% of article	False	0 %	
	Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene		All	Intentionally added	False	0 %	
	Benzo[a]anthracene		Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[a]anthracene		Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzo[a]pyrene		Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzo[a]pyrene		Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	

	Benzo[b]fluoranthene		Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[b]fluoranthene		Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzo[e]pyrene		Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[e]pyrene		Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzo[j]fluoranthene		Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Benzo[j]fluoranthene		Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzo[k]fluoranthene		Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	

	Benzo[k]fluoranthene		Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Benzyl butyl phthalate (BBP)		All	0.1 mass% in homogenous material	False	0 %	
	Beryllium Oxide		All	0.1 mass%	False	0 %	
	Bis (2-ethylhexyl)phthalate (DEHP)		All	0.1 mass% in homogenous material	False	0 %	
	Bis(2-methoxyethyl) ether		All	0.1 mass% of article	False	0 %	
	Bis(2-methoxyethyl) phthalate		All	0.1 mass% of article	False	0 %	
	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)		All	0.1 mass% of article	False	0 %	
	Bis(tributyltin) oxide (TBTO)		All	Intentionally added or 0.1 mass% of article	False	0 %	
	Boric Acid		All	0.1 mass% of article	False	0 %	
	Cadmium		All	0.1 mass% of article	False	0 %	
	Cadmium oxide		All	0.1 mass% of article	False	0 %	
	Cadmium sulphide		All	0.1 mass% of article	False	0 %	
	Chrysen		Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Chrysen		Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Cobalt dichloride		All	0.1 mass% of article	False	0 %	
	Diarsenic pentoxide		All	0.1 mass% of article	False	0 %	
	Diarsenic trioxide		All	0.1 mass% of article	False	0 %	

	Dibenzo[a,h]anthracene		Rubber or plastic parts that come into direct, prolonged or repetitive skin or oral cavity contact except those for toys or childcare articles	0.0001 mass% of the plastic or rubber part	False	0 %	
	Dibenzo[a,h]anthracene		Rubber or plastic parts of toys and childcare articles that come into direct, prolonged or repetitive skin or oral cavity contact	0.00005 mass% of the plastic or rubber part	False	0 %	
	Diboron trioxide		All	0.1 mass% of article	False	0 %	
	Dibutyl phthalate (DBP)		All	0.1 mass% in homogenous material	False	0 %	
	Dibutyltin dichloride (DBTC)		All	0.1 mass% of article	False	0 %	
	Diisobutyl phthalate		All	0.1 mass% in homogenous material	False	0 %	
	Di-isodecyl phthalate (DIDP)		All	Intentionally added	False	0 %	
	Diisononyl phthalate (DINP)		All	Intentionally added	False	0 %	
	Diisopentylphthalate		All	0.1 mass% of article	False	0 %	
	Dimethyl Fumarate (DMF)		All	0.00001 mass% of the part	False	0 %	
	Di-n-hexyl Phthalate (DnHP)		All	Intentionally added or 0.1 mass% of article	False	0 %	
	Dioxobis(stearato)trilead		All	0.1 mass% of article	False	0 %	
	Dipentyl phthalate (DPP)		All	0.1 mass% of article	False	0 %	
	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)		All	0.1 mass% of article	False	0 %	
	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)		All	0.1 mass% of article	False	0 %	

	Fatty acids, C16-18, lead salts		All	0.1 mass% of article	False	0 %	
	Formaldehyde		Textiles	0.0075 mass % of textile	False	0 %	
	Imidazolidine-2-thione; (2-imidazoline-2-thiol)		All	0.1 mass% of article	False	0 %	
	Lead chromate		All	0.1 mass% of article	False	0 %	
	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)		All	0.1 mass% of article	False	0 %	
	Lead cyanamidate		All	0.1 mass% of article	False	0 %	
	Lead dinitrate		All	0.1 mass% of article	False	0 %	
	Lead oxide sulfate		All	0.1 mass% of article	False	0 %	
	Lead sulfochromate yellow (C.I. Pigment Yellow 34)		All	0.1 mass% of article	False	0 %	
	Lead titanium trioxide		All	0.1 mass% of article	False	0 %	
	Lead titanium zirconium oxide		All	0.1 mass% of article	False	0 %	
	N,N-dimethylformamide		All	0.1 mass% of article	False	0 %	
	Nickel		All, where prolonged skin contact is expected	Intentionally Added	False	0 %	
	N-pentyl-isopentylphthalate		All	0.1 mass% of article	False	0 %	
	Orange lead (lead tetroxide)		All	0.1 mass% of article	False	0 %	
	Pentadecafluorooctanoic acid (PFOA)		All	0.1 mass% of article	False	0 %	
	Pentalead tetraoxide sulphate		All	0.1 mass% of article	False	0 %	
	Pentazinc chromate octahydroxide		All	0.1 mass% of article	False	0 %	
	Perfluorononan-1-oic-acid and its sodium and ammonium salts		All	0.1 mass% of article	False	0 %	
	Potassium hydroxyoctaoxodizincatedichromate		All	0.1 mass% of article	False	0 %	
	Pyrochlore, antimony lead yellow		All	0.1 mass% of article	False	0 %	

	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)		All	0.1 mass% of article	False	0 %	
	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped		All	0.1 mass% of article	False	0 %	
	Strontium chromate		All	0.1 mass% of article	False	0 %	
	Sulfurous acid, lead salt, dibasic		All	0.1 mass% of article	False	0 %	
	Tetralead trioxide sulphate		All	0.1 mass% of article	False	0 %	
	Trilead dioxide phosphonate		All	0.1 mass% of article	False	0 %	
	Tris(2-chloroethyl)phosphate		All	0.1 mass% of article	False	0 %	
	Trixylyl phosphate		All	0.1 mass% of article	False	0 %	