SUPPLIER

 PART INFORMATION

 Mfg Item Number
 \$912XDT512J1CAA

 Mfg Item Name
 QFP 80 14*14*2.2P0.65

Company Name
Company Unique ID
Response Date
Response Document ID
Contact Name
Contact Title
Contact Phone
Freescale Semiconductor Inc
Freescale Semiconductor Inc
Product Technical Support
1-800-521-6274

Contact Title
Contact Phone
Contact Email
Authorized Representative
Representative Title
Representative Phone
Representative Email
URL for Additional Information

Product Technical Support
Support
Freduct Technical Support
Support
Support
Freescale.com
Daniel Binyon
EPP Customer Response
512-895-3406
eppanlst@freescale.com
www.freescale.com

DECLARATION

EU RoHS
Pb Free
Yes
HalogenFree
Plating Indicator
EU RoHS Exemption(s)

MANUFACTURING Mfg Item Number S912XDT512J1CAA Mfg Item Name QFP 80 14*14*2.2P0.65 Version ALL Weight 0.935500 UoM Unit Volume EACH J-STD-020 MSL Rating 3 Peak Processing Temperature 260 C Max Time at Peak Temperature 40 seconds Number of Processing Cycles 3

RoHS	
RoHS Directive	2011/65/EU
RoHS Definition	RoHS Definition: Quantity limit of 0.1% by mass (1000 PPM) of homogeneous material for: Lead (Pb), Mercury, Hexavalent Chromium, Polybrominated Biphenyls (PBB), Polybrominated Diphenyl Ethers (PBDE) and quantity limit of 0.01% by mass (100 PPM) of homogeneous material of Cadmium
RoHS Legal Definition	Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2011/65/EU and implemented by the laws of the European Union member states) of the part(s) identified on this form contains lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and/or polybrominated diphenyl ethers (each a RoHS restricted substance) in excess of the applicable quantity limit, please indicate below which, if any, RoHS exemption you believe may apply. If the part is an assembly with lower level components, the declaration shall encompass all such components. Supplier certifies that it gathered the information it provides in this form using appropriate methods to ensure its accuracy and that such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products with European Union member state laws that implement the RoHS Directive. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier 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 Company and the Supplier 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 Suppliers liability and the Companys remedies for issues that arise regarding information the Supplier provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Suppliers Standard Terms and Co
RoHS Declaration	1 - Item(s) do not contain RoHS restricted substances per the definition above
Supplier Acceptance	Accepted
Signature	Daniel Binyon
Exemption List Version	2012/51/EU
List of Freescale Accepted Exemptions	6(a) : Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight
Exemptions	6(b): Lead as an alloying element in aluminium containing up to 0.4% lead by weight
	6(c): Copper alloy containing up to 4% lead by weight
	7(a): Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)
	7(b): Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission, and network management for telecommunications
	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
	7(c)-II: Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher
	7(c)-III: Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC
	7(c)-IV: Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors
	15: Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages

Homogeneous Material	Weight				SubstanceWeight	UoM	SubPart PPM		ARTICLEPPM	ARTICLE%
Die Encapsulant	0.679					g				
Die Encapsulant		Plastics/polymers	Proprietary Material-Other Epoxy resins	-	0.02944416	g	43364	4.3364	31474	3.1474
Die Encapsulant		Solvents, additives, and other materials	Carbon Black	1333-86-4	0.00130096	g	1916	0.1916	1390	0.139
Die Encapsulant		Solvents, additives, and other materials	Other organic phosphorous compounds	-	0.00056153	g	827	0.0827	600	0.06
Die Encapsulant		Solvents, additives, and other materials	Proprietary Material-Other organic phosphorous compounds	-	0.00056153	g	827	0.0827	600	0.06
Die Encapsulant		Plastics/polymers	Other phenolic resins	-	0.00174639	g	2572	0.2572	1866	0.1866
Die Encapsulant		Plastics/polymers	Proprietary Material-Other phenolic resins		0.02567842	g	37818	3.7818	27448	2.7448
Die Encapsulant		Glass	Silica, vitreous	60676-86-0	0.61970701	g	912676	91.2676	662445	66.2445
Epoxy Die Attach	0.0079					g				
Epoxy Die Attach		Cadmium/Cadmium Compounds	Cadmium	7440-43-9	0.00000002	g	3	0.0003	0	0
Epoxy Die Attach		Plastics/polymers	Phenolic Polymer Resin, Epikote 155	9003-36-5	0.00147265	g	186411	18.6411	1574	0.1574
Epoxy Die Attach		Lead/Lead Compounds	Lead	7439-92-1	0.00000006	g	7	0.0007	0	0
Epoxy Die Attach		Metals	Silver, metal	7440-22-4	0.00642727	g	813579	81.3579	6870	0.687
Copper Lead Frame	0.2015					g				
Copper Lead Frame		Metals	Copper, metal	7440-50-8	0.19423692	g	963955	96.3955	207628	20.7628
Copper Lead Frame		Solvents, additives, and other materials	Phosphorus, elemental (not containing red allotrope)	7723-14-0	0.00016624	g	825	0.0825	177	0.0177
Copper Lead Frame		Metals	Iron, metal	7439-89-6	0.00473525	g	23500	2.35	5061	0.5061
Copper Lead Frame		Lead/Lead Compounds	Lead	7439-92-1	0.00003426	g	170	0.017	36	0.0036
Copper Lead Frame		Metals	Silver, metal	7440-22-4	0.002015	g	10000	1	2153	0.2153
Copper Lead Frame		Metals	Tin, metal	7440-31-5	0.00006045	g	300	0.03	64	0.0064
Copper Lead Frame		Metals	Zinc, metal	7440-66-6	0.00025188	g	1250	0.125	269	0.0269
Bonding Wire	0.0017					g				
Bonding Wire		Metals	Gold, metal	7440-57-5	0.0017	g	1000000	100	1817	0.1817
ead Frame Plating	0.0074					g				
ead Frame Plating		Lead/Lead Compounds	Lead	7439-92-1	0.00000148	g	200	0.02	1	0.0001
ead Frame Plating		Metals	Tin, metal	7440-31-5	0.00739852	g	999800	99.98	7908	0.7908
Silicon Semiconductor Die	0.038					g				
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-	0.00076	g	20000	2	812	0.0812
Silicon Semiconductor Die		Glass	Silicon, doped	-	0.03724	g	980000	98	39807	3.9807

LINKS MCD LINK NXP website http://www.nxp.com GENERAL ENVIRONMENTAL COMPLIANCE LINKS http://www.nxp.com/files/corporate/doc/support_info/NXP-ROHS-DECLARATION.pdf RoHS signed letter China RoHS http://www.nxp.com/about/corporate-responsibility/environmental-compliance-organization/china-rohs:ENV_CHINA_ROHS_STRATEGY http://www.nxp.com/files/corporate/doc/support_info/NXP-REACH-STATEMENT.pdf REACH signed letter http://www.nxp.com/files/corporate/doc/support_info/NXP-ELV-STATEMENT.pdf ELV signed letter http://www.nxp.com/files/corporate/doc/support_info/NXP-STATEMENT-CONFLICT-MINERALS.pdf Conflict Minerals statement NXP ENVIRONMENTAL INFORMATION Environmental Compliance website http://www.nxp.com/about/corporate-responsibility/environmental-compliance-organization:ABUENVPRFPRDX FAQ http://www.nxp.com/about/corporate-responsibility/environmental-compliance-organization/eco-product-faqs:ENVIRON_FAQ http://www.nxp.com/support/sales-and-support:SUPPORTHOME Technical Service Request

http://www.NXP.com/files/abstract/corporate/ehs_epp/IPC-1752-2_v1.1_MCD_Template.pdf

LINKS TO BLANK IPC1752 FORMS Blank IPC1752 v1.1 Form IPC1752 XML LINKS

http://www.freescale.com/mcds/S912XDT512J1CAA_IPC1752_v11.xml

http://www.freescale.com/mcds/S912XDT512J1CAA_IPC1752A.xml