PART INFORMATION		
Mfg Item Number	MCIMX6L8DVN10AB	
Mfg Item Name	MAPBGA 432 13*13 P0.5	
SUPPLIER		
Company Name	Freescale Semiconductor Inc	
Company Unique ID	14-141-7928	
Response Date	2018-04-25	
Response Document ID	00CHA1.6	
Contact Name	Freescale Semiconductor Inc	
Contact Title	Product Technical Support	
Contact Phone	1-800-521-6274	
Contact Email	support@freescale.com	
Authorized Representative	Daniel Binyon	
Representative Title	EPP Customer Response	
Representative Phone	512-895-3406	
Representative Email	eppanlst@freescale.com	
URL for Additional Information	www.freescale.com	
DECLARATION		
EU RoHS	Yes	

	165
Pb Free	Yes
HalogenFree	Yes
Plating Indicator	e1
EU RoHS Exemption(s)	

MANUFACTURING	
Mfg Item Number	MCIMX6L8DVN10AB
Mfg Item Name	MAPBGA 432 13*13 P0.5
Version	ALL
Weight	0.587900
UoM	g
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 identified below. If a homogeneous material within the part(s) contains a RoHS restricted substance in excess of an 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. 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 provides in this form. In the absence of such written agreement, the warranty rights and/or remedies of Supplier Standard Terms and Conditions of Sale applicable to such part(s) shall agely.					
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					
	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					

MATERIAL COMPOSITION

lomogeneous Material	Weight	SubstanceClass St	ubstance	CASE	xemption	SubstanceWeight	UoM	SubPart PPM	SubPart%	ARTICLEPPM	ARTICLE%
Ion-Conductive Epoxy/Adhesive	0.0015						g				
on-Conductive Epoxy/Adhesive		Plastics/polymers Pro	oprietary Material-Other Epoxy resins	-		0.0001125	g	75000	7.5	191	0.0191
n-Conductive Epoxy/Adhesive		Plastics/polymers Cro	osslinked acrylate polymer	25767-43-5		0.0003	g	200000	20	510	0.051
n-Conductive Epoxy/Adhesive		Plastics/polymers Oth	her polymers	-		0.0001125	g	75000	7.5	191	0.0191
n-Conductive Epoxy/Adhesive		Plastics/polymers Pro	oprietary Material-Other polymers	-		0.0003	g	200000	20	510	0.051
n-Conductive Epoxy/Adhesive		Glass Sili	ica, vitreous	60676-86-0		0.000675	g	450000	45	1148	0.1148
nding Wire, PdCu	0.0037						g				
nding Wire, PdCu		Metals Co	pper, metal	7440-50-8		0.00362968	g	980994	98.0994	6173	0.6173
ding Wire, PdCu		Metals Go	ld, metal	7440-57-5		0.0000037	g	1000	0.1	6	0.0006
nding Wire, PdCu		Metals Pal	lladium, metal	7440-05-3		0.00006662	g	18006	1.8006	113	0.0113
lder Balls - Lead Free	0.2203						g				
der Balls - Lead Free		Metals Co	pper, metal	7440-50-8		0.0011026	g	5005	0.5005	1875	0.1875
der Balls - Lead Free		Nickel (external applications only) Nic	skel	7440-02-0		0.00011037	g	501	0.0501	187	0.0187
der Balls - Lead Free		Metals Silv	ver, metal	7440-22-4		0.00264646	g	12013	1.2013	4501	0.4501
der Balls - Lead Free		Metals Tin	n, metal	7440-31-5		0.21644057	g	982481	98.2481	368172	36.8172
Encapsulant, Halogen-free	0.2362						g				
Encapsulant, Halogen-free		Metals Alu	iminum, metal	7429-90-5		0.005905	g	25000	2.5	10044	1.0044
Encapsulant, Halogen-free		Metals Ma	ignesium, metal	7439-95-4		0.002362	g	10000	1	4017	0.4017
Encapsulant, Halogen-free		Solvents, additives, and other materials Oth	her organic phosphorous compounds	-		0.002362	g	10000	1	4017	0.4017
Encapsulant, Halogen-free		Solvents, additives, and other materials Sili	icone modified epoxy resin	218163-11-2		0.027163	g	115000	11.5	46203	4.6203
Encapsulant, Halogen-free		Solvents, additives, and other materials Oth	her organic Silicon Compounds	-		0.002362	g	10000	1	4017	0.4017
Encapsulant, Halogen-free		Glass Sili	icon dioxide	7631-86-9		0.18896	g	800000	80	321415	32.1415
Encapsulant, Halogen-free		Plastics/polymers Pro	oprietary Material-Other acrylic/epoxy resin mixture	-		0.001181	g	5000	0.5	2008	0.2008
Encapsulant, Halogen-free		Glass Sili	ica, amorphous synthetic	112926-00-8		0.005905	g	25000	2.5	10044	1.0044
ganic Substrate, Halogen-fre	0.112						g				
anic Substrate, Halogen-fre		Metals Ba	rium sulfate	7727-43-7		0.0073957	g	66033	6.6033	12579	1.2579
anic Substrate, Halogen-fre		Metals Co	pper, metal	7440-50-8		0.05602822	g	500252	50.0252	95302	9.5302
ganic Substrate, Halogen-fre		Metals Go	ld, metal	7440-57-5		0.00347368	g	31015	3.1015	5908	0.5908
ganic Substrate, Halogen-fre		Metals Tal	lc	14807-96-6		0.00005555	g	496	0.0496	94	0.0094
ganic Substrate, Halogen-fre		Nickel (external applications only) Nic	skel	7440-02-0		0.02521277	g	225114	22.5114	42886	4.2886
ganic Substrate, Halogen-fre		Solvents, additives, and other materials Sili	icone modified epoxy resin	218163-11-2		0.0056028	g	50025	5.0025	9530	0.953
anic Substrate, Halogen-fre		Glass Fib	prous-glass-wool	65997-17-3		0.0057148	g	51025	5.1025	9720	0.972
ganic Substrate, Halogen-fre		Glass Sili	ica, vitreous	60676-86-0		0.00851648	g	76040	7.604	14486	1.4486
con Semiconductor Die	0.0142						g				
icon Semiconductor Die		Solvents, additives, and other materials Oth	her miscellaneous substances (less than 5%).	-		0.000284	g	20000	2	483	0.0483
icon Semiconductor Die		Glass	icon, doped	-		0.013916	a	980000	98	23670	2.367

LINKS	
MCD LINK	
NXP website	http://www.nxp.com
GENERAL ENVIRONMENTAL COMPLIANCE LINKS	
RoHS signed letter	http://www.nxp.com/files/corporate/doc/support_info/NXP-ROHS-DECLARATION.pdf
China RoHS	http://www.nxp.com/about/corporate-responsibility/environmental-compliance-organization/china-rohs:ENV_CHINA_ROHS_STRATEGY
REACH signed letter	http://www.nxp.com/files/corporate/doc/support_info/NXP-REACH-STATEMENT.pdf
ELV signed letter	http://www.nxp.com/files/corporate/doc/support_info/NXP-ELV-STATEMENT.pdf
Conflict Minerals statement	http://www.nxp.com/files/corporate/doc/support_info/NXP-STATEMENT-CONFLICT-MINERALS.pdf
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
Technical Service Request	http://www.nxp.com/support/sales-and-support:SUPPORTHOME
LINKS TO BLANK IPC1752 FORMS	
Blank IPC1752 v1.1 Form	http://www.NXP.com/files/abstract/corporate/ehs_epp/IPC-1752-2_v1.1_MCD_Template.pdf

IPC1752 XML LINKS

http://www.freescale.com/mcds/MCIMX6L8DVN10AB_IPC1752_v11.xml

http://www.freescale.com/mcds/MCIMX6L8DVN10AB_IPC1752A.xml