PART INFORMATION Mfg Item Number	MCIMX7S3DVK08SC	
Mfg Item Name	MAPBGA 488 12*12*1.1P0.4	
SUPPLIER		
Company Name	Freescale Semiconductor Inc	
Company Unique ID	14-141-7928	
Response Date	2018-04-20	
Response Document ID	00L1K00245D001M1.2	
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	

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

MANUFACTURING	
Mfg Item Number	MCIMX7S3DVK08SC
Mfg Item Name	MAPBGA 488 12*12*1.1P0.4
Version	ALL
Weight	0.261100
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 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 provides as part of that agreement, will be the sole and exclusive source of the Suppliers liability and the Company's 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 Supplier Standard Terms and Conditions of Sale ap					
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

Weight					SubstanceWeight	UoM	SubPart PPM	SubPart%	ARTICLEPPM	ARTICLE%
0.0077						g				
	Solvents, additives, and other materials Othe	er miscellaneous substances (less than 5%).	-		0.000154	g	20000	2	589	0.0589
	Glass Silico	on, doped	-		0.007546	g	980000	98	28900	2.89
0.0171						g				
	Solvents, additives, and other materials Prop	prietary Material-Other acrylates	-		0.00074551	g	43597	4.3597	2855	0.2855
	Metals Bariu	um sulfate	7727-43-7		0.00048403	g	28306	2.8306	1853	0.1853
	Metals Chro	omium, metal	7440-47-3		0	g	0	0	0	0
	Metals Copp	per, metal	7440-50-8		0.004088	g	239064	23.9064	15656	1.5656
	Metals Cupr	ric oxide	1317-38-0		0.00350974	g	205248	20.5248	13442	1.3442
	Metals Talc		14807-96-6		0.00005811	g	3398	0.3398	222	0.0222
	Nickel (external applications only) Nickel	el	7440-02-0		0.00006902	g	4036	0.4036	264	0.0264
	Solvents, additives, and other materials Prop	rietary Material-Other organic compounds.	-		0.00000964	g	564	0.0564	36	0.0036
	Plastics/polymers Pher	nol, polymer with formaldehyde	9003-35-4		0.00376431	g	220135	22.0135	14417	1.4417
		· · · · · ·	65997-17-3		0.00394576	g	230746	23.0746	15112	1.5112
			60676-86-0		0.00000964	g	564	0.0564	36	0.0036
	Metals Zinc,	, metal	7440-66-6		0	q	0	0	0	0
	Solvents, additives, and other materials Prop	prietary Material-Other miscellaneous substances.	-		0.00011619	q	6795	0.6795	445	0.0445
		· · · · · · · · · · · · · · · · · · ·	103429-90-9			a	16983	1.6983		0.1112
						a	564	0.0564	36	0.0036
0.0014						a				
	Solvents, additives, and other materials Prop	prietary Material-Other acrylates			0.0000966	a	69000	6.9	369	0.0369
			-			a		0.4	21	0.0021
						a		6.9	369	0.0369
			7631-86-9			a		20		0.1072
						a				0.1072
			68909-20-6			a		45		0.2412
						a		0.4		0.0021
			23096-25-0			g			21	0.0021
0.0001		midazolo i proparionane, z eury 4 meary	20000-20-0		0.000000	g	4000	0.4	21	0.0021
0.0001	Solvents additives and other materials	ium	7440-70-2		0	g	20	0.002	0	0
					0 00009905	g			379	0.0379
		1				g			3	0.0003
0.0296			7440-03-3		0.0000033	g	3300		<u> </u>	0.0003
0.0200	Metals	per metal	7440-50-8		0.00014815	9	5005	0.5005	567	0.0567
						9				0.0056
						9				0.1361
						g				11.138
0.2052		metal	7440-31-5		0.02908144	g	902481	90.2401	111380	11.138
0.2052	Columna additions and other metanicle		4000.00.4		0.001000	g	5000	0.5	2000	0.0000
			1333-86-4			g				0.3929
			-			g		0.0		0.000
		a, vitreous vrietary Material-Other Non-halogenated Epoxy resins	60676-86-0		0.1838592	g	896000 60000	89.6	704189 47154	70.4189 4.7154
	0.0077	Note Note   0.0077 Solvents, additives, and other materials Other   0 Glass Solvents, additives, and other materials Solvents, additives, and other materials   0 0.0171 Metals Barin   1 Solvents, additives, and other materials Prop   1 Metals Copp   1 Solvents, additives, and other materials Prop   1 Glass Silic   1 Glass Silic   1 Glass Silic   1 Solvents, additives, and other materials Prop   1 Glass Silipi   1 Solvents,	UnderUnderUnder0.0077Solvents, additives, and other materialsOther miscellaneous subtances (less than 5%).0ClassSilon, doped0.0171Solvents, additives, and other materialsBroprietary Material-Other acrytates1MetalsBraum suifate1MetalsChornium, metal1MetalsCopper, metal1MetalsProprietary Material-Other organic compounds.1MetalsCompetitary Material-Other organic compounds.1MetalsSolvents, additives, and other materialsProprietary Material-Other miscellaneous substances.1MetalsSolvents, additives, and other materialsProprietary Material-Other anylates1MetalsSolvents, additives, and other materialsProprietary Material-Other anylates1MetalsSolvents, additives, and other materialsProprietary Material-Other Epoxy resins1Metals	NoNoNoNo00077Solvents, additives, and other materialsOther miscultaneous substances (less fund %)1ClassSilcon, dopd-0.0170Solvents, additives, and other materialsSilcon, dopd-0.0170Solvents, additives, and other materialsProprietary Material-Other acylutes-0.0170Solvents, additives, and other materialsProprietary Material-Other acylutes-0.0170Solvents, additives, and other materialsProprietary Material-Other acylutes-0.0170MetalsChomum, metal727-4570.0170MetalsChomum, metal727-4570.0170MetalsChomum, metal727-4570.0170MetalsChomum, metal740-047-30.0140MetalsChomum, metal740-050-040.0140MetalsTack137-38-00.0140MetalsTack140-076-060.0140MetalsTack140-076-060.0140Solvents, additives, and other materialsProprietary Material-Other anglancia0.0140GassSilcs, vireous6005-47-30.0140Solvents, additives, and other materialsProprietary Material-Other anglancia0.0140Solvents, additives, and other materialsProprietary Material-Other anglancia0.0140Solvents, additives, and other materialsProprietary Material-Other anglancia0.0140Solvents, additives, and other materialsProprietary Material-Other anglancia0.0140Solvents	NoNoNoNoNo10070Journamental solution (apped)Journamental	AAAAA0.007Solvers, softwe, softwe materialsChern spolareous softwars (spit hus ?s), Solvers, softwe, softwe materialsSileon, dopadSileon, dopadS	AndAndAndAndAndAndAndAnd00071Soreit, addies, and ohe materaisOhe moderanose solatione (sea fan 5)).A.C.A.C.0.0074.00q.0171Soreit, addies, and ohe materaisSoreit, addies, and ohe materaisOheranose solatione (sea fan 5)).A.C.0.0074.000.00054.00q.0171Soreit, addies, and ohe materaisSoreit, addies, and sone solatione (sea fan 5).A.C.0.00054.00q.q.0171MetricMetricSoreit, addies, and sone solatione (sea fan 5).Y.C.Y.C.0.00054.00q.0171MetricMetricOpper, mathY.C. <td>Number of the sectorNumber of the sector<th< td=""><td>NormN</td><td>NameN</td></th<></td>	Number of the sectorNumber of the sector <th< td=""><td>NormN</td><td>NameN</td></th<>	NormN	NameN

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/MCIMX7S3DVK08SC\_IPC1752\_v11.xml

http://www.freescale.com/mcds/MCIMX7S3DVK08SC\_IPC1752A.xml