SUPPLIER

URL for Additional Information

Number of Processing Cycles

 PART INFORMATION

 Mfg Item Number
 MVF61NN152CMK50

 Mfg Item Name
 MAP 364 17*17*1.5 P0.8

Company Name
Company Unique ID
Response Date
Response Document ID
Contact Name
Contact Title
Freescale Semiconductor Inc
Product Semiconductor Inc
Product Technical Support

Contact Name
Contact Title
Contact Phone
Contact Email
Authorized Representative
Representative Title
Representative Phone
Representative Phone
Representative Email
Freescale Semiconductor in Product Technical Support
1-800-521-6274
Support@freescale.com
Daniel Binyon
EPP Customer Response
512-895-3406
Representative Email

DECLARATION
EU RoHS
Yes

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

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MANUFACTURING Mfg Item Number MVF61NN152CMK50 Mfg Item Name MAP 364 17*17*1.5 P0.8 Version ALL Weight 1.389600 UoM Unit Volume EACH J-STD-020 MSL Rating 3 Peak Processing Temperature 260 C Max Time at Peak Temperature 40 seconds

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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	SubstanceClass	Substance	CAS	Exemption	SubstanceWeight	UoM	SubPart PPM	SubPart%	ARTICLEPPM	ARTICLE%
Non-Conductive Epoxy/Adhesive	0.0105						g				
Non-Conductive Epoxy/Adhesive		Plastics/polymers	Proprietary Material-Other Epoxy resins	-		0.0007875	g	75000	7.5	566	0.0566
Non-Conductive Epoxy/Adhesive		Plastics/polymers	Crosslinked acrylate polymer	25767-43-5		0.0021	g	200000	20	1511	0.1511
Non-Conductive Epoxy/Adhesive		Plastics/polymers	Other polymers	-		0.0007875	g	75000	7.5	566	0.0566
Non-Conductive Epoxy/Adhesive		Plastics/polymers	Proprietary Material-Other polymers	-		0.0021	g	200000	20	1511	0.1511
Non-Conductive Epoxy/Adhesive		Glass	Silica, vitreous	60676-86-0		0.004725	g	450000	45	3400	0.34
Die Encapsulant	0.684						g				
Die Encapsulant		Metals	Aluminum, metal	7429-90-5		0.01368684	g	20010	2.001	9849	0.9849
Die Encapsulant		Metals	Magnesium, metal	7439-95-4		0.00684342	g	10005	1.0005	4924	0.4924
Die Encapsulant		Plastics/polymers	Other phenolic resins	-		0.02053026	g	30015	3.0015	14774	1.4774
Die Encapsulant		Glass	Silicon dioxide	7631-86-9		0.12318156	g	180090	18.009	88645	8.8645
Die Encapsulant		Glass	Silica, vitreous	60676-86-0		0.4786974	g	699850	69.985	344499	34.4499
Die Encapsulant		Plastics/polymers	Other acrylic/epoxy resin mixture	-		0.04106052	g	60030	6.003	29548	2.9548
Bonding Wire, PdCu	0.0018						g				
Bonding Wire, PdCu		Metals	Copper, metal	7440-50-8		0.00176579	g	980994	98.0994	1270	0.127
Bonding Wire, PdCu		Metals	Gold, metal	7440-57-5		0.0000018	g	1000	0.1	1	0.0001
Bonding Wire, PdCu		Metals	Palladium, metal	7440-05-3		0.00003241	g	18006	1.8006	23	0.0023
Organic Substrate, Halogen-fre	0.4146						g				
Organic Substrate, Halogen-fre		Metals	Barium sulfate	7727-43-7		0.0086556	g	20877	2.0877	6228	0.6228
Organic Substrate, Halogen-fre		Metals	Copper, metal	7440-50-8		0.24884666	g	600209	60.0209	179077	17.9077
Organic Substrate, Halogen-fre		Metals	Gold, metal	7440-57-5		0.0129832	g	31315	3.1315	9343	0.9343
Organic Substrate, Halogen-fre		Metals	Talc	14807-96-6		0.00346232	g	8351	0.8351	2491	0.2491
Organic Substrate, Halogen-fre		Nickel (external applications only)	Nickel	7440-02-0		0.06708021	g	161795	16.1795	48273	4.8273
Organic Substrate, Halogen-fre		Solvents, additives, and other materials	Silicone modified epoxy resin	218163-11-2		0.04327761	g	104384	10.4384	31143	3.1143
Organic Substrate, Halogen-fre		Glass	Fibrous-glass-wool	65997-17-3		0.02596681	g	62631	6.2631	18686	1.8686
Organic Substrate, Halogen-fre		Glass	Silica, vitreous	60676-86-0		0.00432759	g	10438	1.0438	3114	0.3114
Solder Balls - Lead Free	0.1854						g				
Solder Balls - Lead Free		Metals	Copper, metal	7440-50-8		0.00092867	g	5009	0.5009	668	0.0668
Solder Balls - Lead Free		Metals	Silver, metal	7440-22-4		0.00557201	g	30054	3.0054	4009	0.4009
Solder Balls - Lead Free		Metals	Tin, metal	7440-31-5		0.17889932	g	964937	96.4937	128741	12.8741
Silicon Semiconductor Die	0.0933						g				
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-		0.001866	g	20000	2	1342	0.1342
Silicon Semiconductor Die		Glass	Silicon, doped	-		0.091434	g	980000	98	65798	6.5798

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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/MVF61NN152CMK50_IPC1752_v11.xml

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