PART INFORMATION MRF6V12500GSR5 Mfg Item Number Mfg Item Name

SUPPLIER

Company Name Freescale Semiconductor Inc

Company Unique ID 14-141-7928 Response Date 2018-03-17 Response Document ID 006KK10921D026A1.4 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 Email eppanlst@freescale.com **URL** for Additional Information www.freescale.com

DECLARATION

EU RoHS Yes Pb Free Yes HalogenFree Yes Plating Indicator e4

NI-780GS-2L

512-895-3406

EU RoHS Exemption(s)

Representative Phone

MANUFACTURING Mfg Item Number MRF6V12500GSR5

Mfg Item Name NI-780GS-2L Version ALL Weight 4.733000 UoM Unit Volume EACH J-STD-020 MSL Rating

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
Examplions	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%
Cap/Cover	0.9411						g				
Cap/Cover		Metals	Aluminum Oxides (Al2O3)	1344-28-1		0.88685688	g	942362	94.2362	187377	18.7377
Cap/Cover		Plastics/polymers	Proprietary Material-Other Epoxy resins	-		0.02064585	g	21938	2.1938	4362	0.4362
Cap/Cover		Metals	Magnesium-oxide	1309-48-4		0.0092049	g	9781	0.9781	1944	0.1944
Cap/Cover		Glass	Silica, crystalline - quartz (SiO2)	14808-60-7		0.02255158	g	23963	2.3963	4764	0.4764
Cap/Cover		Solvents, additives, and other materials	Proprietary Material-Other miscellaneous substances.	-		0.00184079	g	1956	0.1956	388	0.0388
Bonding Wire, Aluminum	0.0195						g				
Bonding Wire, Aluminum		Metals	Aluminum, metal	7429-90-5		0.0195	g	1000000	100	4120	0.412
Silicon Semiconductor Die	0.061						g				
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-		0.00122	g	20000	2	257	0.0257
Silicon Semiconductor Die		Glass	Silicon, doped	-		0.05978	g	980000	98	12630	1.263
Silicon Semiconductor Die	0.061						g				
Silicon Semiconductor Die		Metals	Gold, metal	7440-57-5		0.0006222	g	10200	1.02	131	0.0131
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-		0.00120756	g	19796	1.9796	255	0.0255
Silicon Semiconductor Die		Glass	Silicon, doped	-		0.05917024	g	970004	97.0004	12501	1.2501
Header Assembly	3.5894						g				
Header Assembly		Metals	Aluminum Oxides (Al2O3)	1344-28-1		0.23397145	g	65184	6.5184	49434	4.9434
Header Assembly		Metals	Cobalt, metal	7440-48-4		0.02959101	g	8244	0.8244	6252	0.6252
Header Assembly		Metals	Copper, metal	7440-50-8		1.47833387	g	411861	41.1861	312357	31.2357
Header Assembly		Metals	Gold, metal	7440-57-5		0.0055205	g	1538	0.1538	1166	0.1166
Header Assembly		Metals	Iron, metal	7439-89-6		0.09245218	g	25757	2.5757	19533	1.9533
Header Assembly		Metals	Molybdenum, metal	7439-98-7		1.46668268	g	408615	40.8615	309884	30.9884
Header Assembly		Nickel (external applications only)	Nickel	7440-02-0		0.13599878	g	37889	3.7889	28734	2.8734
leader Assembly		Metals	Palladium, metal	7440-05-3		0.00349608	g	974	0.0974	738	0.0738
leader Assembly		Glass	Silica, crystalline - quartz (SiO2)	14808-60-7		0.00781771	g	2178	0.2178	1651	0.1651
Header Assembly		Metals	Silver, metal	7440-22-4		0.03648984	g	10166	1.0166	7709	0.7709
Header Assembly		Metals	Tungsten, metal	7440-33-7		0.08095892	g	22555	2.2555	17105	1.7105
Header Assembly		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-		0.00398064	g	1109	0.1109	841	0.0841
leader Assembly		Metals	Titanium (III) oxide (Ti2O3)	1344-54-3		0.01410634	g	3930	0.393	2980	0.298
Silicon Semiconductor Die	0.061						g				
Silicon Semiconductor Die		Metals	Gold, metal	7440-57-5		0.0006222	g	10200	1.02	131	0.0131
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-		0.00120756	g	19796	1.9796	255	0.0255
Silicon Semiconductor Die		Glass	Silicon, doped	-		0.05917024	g	970004	97.0004	12501	1.2501

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/MRF6V12500GSR5_IPC1752_v11.xml

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