PART INFORMATION

Mfg Item Number MRF8S18210WHSR5
Mfg Item Name NI-880XS-2

SUPPLIER
Company Name Freescale Semiconductor Inc

Company Unique ID 14-141-7928

Response Date 2018-03-16 Response Document ID 00ASK03030D006A1.25 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
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DECLARATIONEU RoHS Yes

Pb Free Yes
HalogenFree Yes
Plating Indicator e4

Plating Indicator
EU RoHS Exemption(s)

MANUFACTURING

Mfg Item NumberMRF8S18210WHSR5Mfg Item NameNI-880XS-2VersionALLWeight9.901500UoMgUnit VolumeEACHJ-STD-020 MSL RatingEACH

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	SubstanceClass	Substance	CAS	Exemption	SubstanceWeight	UoM	SubPart PPM	SubPart%	ARTICLEPPM	ARTICLE%
Bonding Wire, Aluminum	0.0918						q				
Bonding Wire, Aluminum		Metals	Aluminum, metal	7429-90-5		0.0918	q	1000000	100	9271	0.9271
Silicon Semiconductor Die	0.0038						g				
Silicon Semiconductor Die		Metals	Gold, metal	7440-57-5		0.00003876	g	10200	1.02	3	0.0003
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).			0.00007522	g	19796	1.9796	7	0.0007
Silicon Semiconductor Die		Glass	Silicon, doped	-		0.00368602	g	970004	97.0004	372	0.0372
Silicon Semiconductor Die	0.0038						g				
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-		0.000076	g	20000	2	7	0.0007
Silicon Semiconductor Die		Glass	Silicon, doped	-		0.003724	g	980000	98	376	0.0376
Silicon Semiconductor Die	0.0038						g				
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-		0.000076	g	20000	2	7	0.0007
Silicon Semiconductor Die		Glass	Silicon, doped	-		0.003724	g	980000	98	376	0.0376
Silicon Semiconductor Die	0.0038						g				
Silicon Semiconductor Die		Metals	Gold, metal	7440-57-5		0.00003876	g	10200	1.02	3	0.0003
Silicon Semiconductor Die		Solvents, additives, and other materials	Other miscellaneous substances (less than 5%).	-		0.00007522	g	19796	1.9796	7	0.0007
Silicon Semiconductor Die		Glass	Silicon, doped	-		0.00368602	g	970004	97.0004	372	0.0372
Header Assembly	8.1849						g				
Header Assembly		Metals	Aluminum Oxides (Al2O3)	1344-28-1		0.51803869	g	63292	6.3292	52319	5.2319
Header Assembly		Metals	Cobalt, metal	7440-48-4		0.02882722	g	3522	0.3522	2911	0.2911
Header Assembly		Metals	Copper, metal	7440-50-8		3.52012086	g	430075	43.0075	355532	35.5532
Header Assembly		Metals	Gold, metal	7440-57-5		0.01411077	g	1724	0.1724	1425	0.1425
Header Assembly		Metals	Iron, metal	7439-89-6		0.30241569	g	36948	3.6948	30542	3.0542
Header Assembly		Metals	Molybdenum, metal	7439-98-7		3.25022379	g	397100	39.71	328255	32.8255
Header Assembly		Nickel (external applications only)	Nickel	7440-02-0		0.2864715	g	35000	3.5	28932	2.8932
Header Assembly		Metals	Palladium, metal	7440-05-3		0.00889699	g	1087	0.1087	898	0.0898
Header Assembly		Glass	Silica, crystalline - quartz (SiO2)	14808-60-7		0.01809681	g	2211	0.2211	1827	0.1827
Header Assembly		Glass	Proprietary Material-Other glass compounds (without lead, chromium, cadmium or mercury)	-		0.03895194	g	4759	0.4759	3933	0.3933
Header Assembly		Metals	Silver, metal	7440-22-4		0.08066219	g	9855	0.9855	8146	0.8146
Header Assembly		Metals	Titanium (IV) Oxide	13463-67-7		0.00337218	g	412	0.0412	340	0.034
Header Assembly		Metals	Tungsten, metal	7440-33-7		0.11471137	g	14015	1.4015	11585	1.1585
Capacitor, 0201	0.164						g				
Capacitor, 0201		Metals	Aluminum Oxides (Al2O3)	1344-28-1		0.00509433	g	31063	3.1063	514	0.0514
Capacitor, 0201		Metals	Copper, metal	7440-50-8		0.01011552	g	61680	6.168	1021	0.1021
Capacitor, 0201		Metals	Gold, metal	7440-57-5		0.01052027	g	64148	6.4148	1062	0.1062
Capacitor, 0201		Metals	Manganese dioxide	1313-13-9		0.0001658	g	1011	0.1011	16	0.0016
Capacitor, 0201		Nickel (external applications only)	Nickel	7440-02-0		0.00546251	g	33308	3.3308	551	0.0551
Capacitor, 0201		Metals	Tin, metal	7440-31-5		0.00161852	g	9869	0.9869	163	0.0163
Capacitor, 0201		Metals	Barium titanate	12047-27-7		0.13102305	g	798921	79.8921	13232	1.3232
Cap/Cover	1.4456						g				
Cap/Cover		Metals	Aluminum Oxides (Al2O3)	1344-28-1		1.34449473	g	930060	93.006	135786	13.5786
Cap/Cover		Plastics/polymers	Epoxy resin, EPON Resin 8091	25928-94-3		0.02458387	g	17006	1.7006	2482	0.2482
Cap/Cover		Metals	Other iron compounds	-		0.01402377	g	9701	0.9701	1416	0.1416
Cap/Cover		Glass	Silicon dioxide	7631-86-9		0.02060125	g	14251	1.4251	2080	0.208
Cap/Cover		Glass	Silica, crystalline - quartz (SiO2)	14808-60-7		0.04189638	g	28982	2.8982	4231	0.4231

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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

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