



# Material Composition Declaration

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This document is a declaration of the substances within the manufacturer listed item. Note: if the item is an assembly with lower level parts, the declaration encompasses all lower level materials for which the manufacturer has engineering responsibility.

Adobe Reader version 7.0.5 is required to complete this declaration.

1752-2 1.1	IPC Web Site for Information on IPC-1752 Standard <a href="http://www.ipc.org/IPC-175x">http://www.ipc.org/IPC-175x</a>	Form Type * Distribute	Declaration Class * Class 6 - RoHS Yes/No, Homogeneous Materials and Mfg Informat
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## Supplier Information

Company Name * NIC Components Corp.	Company Unique ID	Unique ID Authority	Response Date * 2021-06-07	Response Document ID				
Contact Name * Michael Mack	Title - Contact Product Compliance Manager	Phone - Contact * 631-396-7500	Email - Contact * mike.mack@niccomp.com	Duplicate Contact -> Authorized Representative				
Authorized Representative * Michael Mack	Title - Representative Product Compliance Manager	Phone - Representative * 631-396-7500	Email - Representative * rohs@niccomp.com	Supplier Comments or URL for Additional Information				
Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight *	UOM	Unit Type
	NRCA25 Series		2004-10-01			14.99	mg	Each
Alternate Recommendation	NRCA25 Series Suffix "F"			Alternate Item Comments				

## Manufacturing Process Information

Terminal Plating / Grid Array Material	Terminal Base Alloy	J-STD-020 MSL Rating	Peak Process Body Temperature	Max Time at Peak Temperature	Number of Reflow Cycles
Matte Tin (Sn) - with Nickel (Ni) barrier	Not Applicable	1	260 C	10 seconds	2

Comments

Matte Sn over Ni Barrier over NiCr Sputter / This series takes new Exemption 7c1

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Lock Supplier Fields

### RoHS Material Composition Declaration

Declaration Type \*

Detailed

<b>RoHS Directive 2002/95/EC</b>	<b>RoHS Definition:</b> Quantity limit of 0.1% by mass (1000 PPM) in 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 for Cadmium
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Please indicate whether any homogeneous material (as defined by the RoHS Directive, EU 2002/95/EC and implemented by the laws of the European Union member states) of the part 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 above. If a homogeneous material within the part 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, 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, 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 Supplier's 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's Standard Terms and Conditions of Sale applicable to such part shall apply.

<b>RoHS Declaration *</b>	4 - Item(s) does not contain RoHS restricted substances per the definition above except for selected exemptions
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<b>Supplier Acceptance *</b>	Accepted
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**Exemptions:** If the declared item does not contain RoHS restricted substances per the definition above except for defined RoHS exemptions, then select the corresponding response in the RoHS Declaration above and choose all applicable exemptions.

Exemption List Version	EL-2006/690/EC
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+ -	7c. Lead in electronic ceramic parts (e.g. piezoelectronic devices).
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### Declaration Signature

**Instructions:** Complete all of the required fields on all pages of this form. Select the "Accepted" on the Supplier Acceptance drop-down. This will display the signature area. Digitally sign the declaration (if required by the Requester) and click on Submit Form to have the form returned to the Requester.

Supplier Digital Signature	
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## Homogeneous Material Composition Declaration for Electronic Products

**SubItem Instructions:** The presence of any JIG Level A or B substances must be declared. [1] indicate the subpart in which the substance is located, [2] provide a description of the homogeneous material [3], enter the weight of the homogeneous material.

**Substance Instructions:** [A] select the Level (JIG A, JIG B, Requester or Supplier) [B] select the substance category (JIG or Requester) or enter a value (Supplier). [C] select the substance (JIG) or enter the substance and CAS (Other). [D] select a RoHS exemption, if applicable [E] enter the weight of the substance or the PPM concentration [F] Optionally enter the positive (+) and negative (-) tolerance in percent (Note: percent tolerance values are expected to cover a 3 sigma range of distribution unless otherwise noted).

**Line Functions:** +I Inserts a New Item /SubItem +M Inserts a new Material +C Inserts a new Substance Category +S Inserts a new Substance - Deletes the element line

		Item/SubItem Name		Homogeneous Material		Weight	Unit of Measure	Level		Substance Category		Substance		CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
+I	-I	+M	-M					+C	-C			+S	-S					-	+	
				Ceramic Substra		13.5	mg			Supplier		Metals and Oxides				12.96	mg			
				Supplier		Silicon				Supplier		Aluminium oxide		1344-28-1						
				Supplier		Silicon dioxide				Supplier		14808-60-7			0.2835	mg				
				Supplier		Misc not to be decla				Supplier		-Misc not to be declare	1305-78-8			0.2565	mg			
				Inner Electrode		0.16	mg			Supplier		Silver								
				Supplier		Palladium				Supplier		Silver		7440-22-4		0.14912	mg			
				Supplier		Palladium				Supplier		7440-05-3			0.00208	mg				
				Supplier		B203				Supplier		B203	1303-86-2			0.00042	mg			
				Supplier		Silicon Dioxide				Supplier		Silicon Dioxide	7631-86-9			0.00192	mg			
				Supplier		Misc, not to be decla				Supplier		Misc, not to be declare				0.00646	mg			
				Resister Film		0.15	mg			Supplier		Ruthenium(IV)oxide								
				Supplier		B2O3				Supplier		Ruthenium(IV)oxide		12036-10-1		0.02745	mg			
				Supplier		B2O3				Supplier		B2O3	1303-86-2			0.0093	mg			
				Supplier		Silicon dioxide				Supplier		Silicon dioxide	7631-86-9			0.0147	mg			
				Supplier		Aluminum oxide (Al2				Supplier		Aluminum oxide (Al2O3	1344-28-1			0.003	mg			
				Supplier		Calcium monoxide				Supplier		Calcium monoxide	1305-78-8			0.0096	mg			
				Supplier		Niobium oxide				Supplier		Niobium oxide	12059-63-1			0.0036	mg			
				Supplier		Lead-monoxide				Supplier		Lead-monoxide	1317-36-8	7c. Lead		0.06465	mg			
				Supplier		Antimonytrioxide				Supplier		Antimonytrioxide	1309-64-4			0.00225	mg			
				Supplier		Zinc oxide				Supplier		Zinc oxide	1314-13-2			0.0039	mg			
				Supplier		Misc., not to declare				Supplier		Misc., not to declare				0.01155	mg			
				Inner Protective		0.08	mg			Supplier		B2O3								
				Supplier		Silicon Dioxide				Supplier		B2O3		1303-86-2		0.00256	mg			
				Supplier		Silicon Dioxide				Supplier		Silicon Dioxide	7631-86-9			0.0184	mg			
				Supplier		Al2O3				Supplier		Al2O3	1344-28-1			0.00072	mg			
				Supplier		MgO				Supplier		MgO	1309-48-4			0.00068	mg			
				Supplier		Lead-monoxide				Supplier		Lead-monoxide	1317-36-8	7c. Lead		0.05208	mg			

+C	-C	Supplier	Chromium(III)oxide	+S	-S	Chromium(III)oxide	1308-38-9		0.0028	mg								
+C	-C	Supplier	Misc, Not to declare	+S	-S	Misc, Not to declare	7439-92-1		0.00276	mg								
+M	-M	Outer Protective	0.31	mg	+C	-C	Supplier	Epoxy resin	+S	-S	Epoxy resin			0.14725	mg			
+C	-C	Supplier	SiO2	+S	-S	SiO2	60676-86-0		0.1023	mg								
+C	-C	Supplier	Copper chromite black	+S	-S	Copper chromite black	68186-91-4		0.04495	mg								
+C	-C	Supplier	Phenolic Resin	+S	-S	Phenolic Resin			0.00105	mg								
+C	-C	Supplier	Misc., not to declare	+S	-S	Misc., not to declare			0.01445	mg								
+M	-M	Side terminal	0.21	mg	+C	-C	Supplier	Silver	+S	-S	Silver	7440-22-4		0.1386	mg			
+C	-C	Supplier	Epoxy Resin	+S	-S	Epoxy Resin			0.06258	mg								
+C	-C	Supplier	Carbon black	+S	-S	Carbon black	1333-86-4		0.00882	mg								
+M	-M	Inner plating	0.32	mg	+C	-C	Supplier	Nickel	+S	-S	Nickel	7440-02-0		0.3192	mg			
+C	-C	Supplier	Misc., not to declare	+S	-S	Misc., not to declare			0.0008	mg								
+M	-M	Outer plating	0.26	mg	+C	-C	Supplier	Tin	+S	-S	Tin	7440-31-5		0.25935	mg			
+C	-C	Supplier	Misc., not to declare	+S	-S	Misc., not to declare			0.00065	mg								