



# 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.**

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

<b>Company Name *</b> NIC Components Corp.	Company Unique ID	Unique ID Authority	<b>Response Date *</b> 2020-08-18	Response Document ID				
<b>Contact Name *</b> Michael Mack	Title - Contact Product Compliance Manager	<b>Phone - Contact *</b> 631-396-7500	<b>Email - Contact *</b> mike.mack@niccomp.com	Duplicate Contact -> Authorized Representative				
<b>Authorized Representative *</b> Michel Mack	Title - Representative Product Compliance Manager	<b>Phone - Representative *</b> 631-396-7500	<b>Email - Representative *</b> mike.mack@niccomp.com	Supplier Comments or URL for Additional Information				
<b>Requester Item Number</b>	<b>Mfr Item Number</b>	<b>Mfr Item Name</b>	<b>Effective Date</b>	<b>Version</b>	<b>Manufacturing Site</b>	<b>Weight *</b>	<b>UOM</b>	<b>Unit Type</b>
	NRCPS10 Series		2004-10-01			5	mg	Each
<b>Alternate Recommendation</b>	NRCPS10 Series Suffix "F"			<b>Alternate Item Comments</b>				

## Manufacturing Process Information

<b>Terminal Plating / Grid Array Material</b> Matte Tin (Sn) - with Nickel (Ni) barrier	<b>Terminal Base Alloy</b> Not Applicable	<b>J-STD-020 MSL Rating</b> 1	<b>Peak Process Body Temperature</b> 260 C	<b>Max Time at Peak Temperature</b> 10 seconds	<b>Number of Reflow Cycles</b> 2
<b>Comments</b> Matte Sn over Ni Barrier over NiCr Sputter / This series takes new Exemption 7c1					

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### 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 * 4</b>	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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<b>+</b> 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

+I	-I	Item/SubItem Name	+M	-M	Homogeneous Material	Weight	Unit of Measure	+C	-C	Level	Substance Category	+S	-S	Substance	CAS	Exempt	Weight	Unit of Measure	Tolerance		PPM
																			-	+	
+I	-I	NRCPS10 Series	+M	-M	Substrate	4.33596	mg	+C	-C	Supplier	Metals and Oxides	+S	-S	Aluminium oxide	1344-28-1		4.18594	mg			
			+C	-C	Supplier	Silicon		+S	-S	Supplier	Silicon dioxide			14808-60-7			0.111	mg			
			+C	-C	Supplier	Oxides		+S	-S	Supplier	Magnesium Oxide			1309-48-4			0.03902	mg			
+M	-M	Bottom terminal	0.038	mg	+C	-C	Supplier	Silver	+S	-S	Supplier	Silver		7440-22-4			0.03325	mg			
+C	-C	Supplier	metal	+S	-S	Supplier	nickel				7440-02-0			0.00475	mg						
+M	-M	Upper terminal 1	0.0275	mg	+C	-C	Supplier	metals and oxides	+S	-S	Supplier	silver		7440-22-4			0.02207	mg			
					+S	-S	Supplier	palladium			7440-05-3			0.00407	mg						
					+S	-S	Supplier	Silicon dioxide			7631-86-9			0.00068	mg						
					+S	-S	Supplier	Zinc oxide			1314-13-2			0.00034	mg						
					+S	-S	Supplier	Copper oxide			1317-38-0			0.00034	mg						
+M	-M	upper terminal 2	0.025	mg	+C	-C	Supplier	metal	+S	-S	Supplier	silver		7440-22-4			0.02273	mg			
+C	-C	Supplier	metal	+S	-S	Supplier	nickel				7440-02-0			0.00227	mg						
+M	-M	side terminal	0.0005	mg	+C	-C	Supplier	metal	+S	-S	Supplier	nickel		7440-02-0			0.0004	mg			
+C	-C	Supplier	chromium	+S	-S	Supplier	chromium				7440-47-3			0.0001	mg						
+M	-M	resistive elemen	0.04552	mg	+C	-C	Supplier	metal	+S	-S	Supplier	Silver		7440-22-4			0.01132	mg			
+C	-C	Supplier	metal	+S	-S	Supplier	Palladium				7440-05-3			0.01012	mg						
+C	-C	Supplier	oxide	+S	-S	Supplier	Ruthenium oxide				12036-10-1			0.00357	mg						
+C	-C	Supplier	oxide	+S	-S	Supplier	Lead oxide				1317-36-8			0.00536	mg						
+C	-C	Supplier	oxide	+S	-S	Supplier	Aluminum oxide				1344-28-1			0.00083	mg						
+C	-C	Supplier	oxide	+S	-S	Supplier	Silicon dioxide				7631-86-9			0.00358	mg						
+C	-C	Supplier	oxide	+S	-S	Supplier	Zinc oxide				1314-13-2			0.00036	mg						
+C	-C	Supplier	oxide	+S	-S	Supplier	Copper oxide				1317-38-0			0.00012	mg						
+C	-C	Supplier	oxide	+S	-S	Supplier	Manganese oxide				1317-35-7			0.00048	mg						

