



# 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> 2021-12-12	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> Michael Mack	Title - Representative Product Compliance Manager	<b>Phone - Representative *</b> 631-396-7500	<b>Email - Representative *</b> rohs@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>
	NRCPH10 Series		2004-10-01			5	mg	Each
<b>Alternate Recommendation</b>	NRCPH10 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
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Comments

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

Save the fields in this form to a file

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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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+ -	c. 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	NRCPH10 Series	+M	-M	Ceramic Substra	4.45799	mg	+C	-C	Supplier	Metals and Oxides	+S	-S	Aluminium oxide	1344-28-1		4.30375	mg			
			+C	-C	Supplier	Silicon dioxide		+S	-S	Supplier	Silicon dioxide	60676-86-0		0.11412	mg						
			+C	-C	Supplier	Magnesium oxide		+S	-S	Supplier	Magnesium oxide	1309-48-4		0.04012	mg						
+M	-M	Bottom Terminal	0.03901	mg	+C	-C	Supplier	Silver	+S	-S	Supplier	Silver	7440-22-4		0.03413	mg					
			+S	-S	Supplier	Nickel		7440-02-0		0.00488	mg										
+M	-M	Upper Terminal	0.01749	mg	+C	-C	Supplier	Silver	+S	-S	Supplier	Silver	7440-22-4		0.01494	mg					
+C	-C	Supplier	Palladium	+S	-S	Supplier	Palladium	7440-05-3		0.00021	mg										
+C	-C	Supplier	Aluminum oxide (Al2	+S	-S	Supplier	Aluminum oxide (Al2O3	1344-28-1		0.00043	mg										
+C	-C	Supplier	Silicon Dioxide	+S	-S	Supplier	Silicon Dioxide	60676-86-0		0.00064	mg										
+C	-C	Supplier	Copper Oxide	+S	-S	Supplier	Copper Oxide	1317-38-0		0.00021	mg										
+C	-C	Supplier	Manganese oxide	+S	-S	Supplier	Manganese oxide	1317-35-7		0.00021	mg										
+C	-C	Supplier	Bismuth Oxide	+S	-S	Supplier	Bismuth Oxide	1304-76-3		0.00021	mg										
+C	-C	Supplier	Carbon Black	+S	-S	Supplier	Carbon Black	1333-86-4		0.00064	mg										
+M	-M	Side Terminal	0.0005	mg	+C	-C	Supplier	Nickel	+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 Element	0.04602	mg	+C	-C	Supplier	Silver	+S	-S	Supplier	Silver	7440-22-4		0.01064	mg					
+C	-C	Supplier	Palladium	+S	-S	Supplier	Palladium	7440-05-3		0.00532	mg										
+C	-C	Supplier	Ruthenium oxide	+S	-S	Supplier	Ruthenium oxide	12036-10-1		0.00798	mg										
+C	-C	Supplier	Lead oxide	+S	-S	Supplier	Lead oxide	1317-36-8	7c. Lead	0.00931	mg										
+C	-C	Supplier	Aluminum oxide	+S	-S	Supplier	Aluminum oxide	1344-28-1		0.00133	mg										
+C	-C	Supplier	Silicon dioxide	+S	-S	Supplier	Silicon dioxide	60676-86-0		0.00798	mg										
+C	-C	Supplier	Zinc oxide	+S	-S	Supplier	Zinc oxide	1314-13-2		0.0008	mg										
+C	-C	Supplier	Copper oxide	+S	-S	Supplier	Copper oxide	1317-38-0		0.00027	mg										

+C	-C	Supplier	Manganese oxide	+S	-S	Manganese oxide	1317-35-7		0.00053	mg								
+C	-C	Supplier	Tantalum oxide	+S	-S	Tantalum oxide	1314-61-0		0.00053	mg								
+C	-C	Supplier	Titanium oxide	+S	-S	Titanium oxide	13463-67-7		0.00133	mg								
+M	-M	Protective coating	0.07349	mg	+C	-C	Supplier	Oxide	+S	-S	Bismuth oxide	1304-76-3		0.03957	mg			
					+S	-S	Silicon dioxide	60676-86-0		0.01695	mg							
					+S	-S	Aluminium oxide	1344-28-1		0.00754	mg							
					+S	-S	Zirconium dioxide	1314-23-4		0.00377	mg							
					+S	-S	Barium oxide	1304-28-5		0.00283	mg							
					+S	-S	Zinc oxide	1314-13-2		0.00188	mg							
					+S	-S	Copper phthlocyanine	147-14-8		0.00094	mg							
+M	-M	Protective coating	0.197	mg	+C	-C	Supplier	Silicon dioxide	+S	-S	Silicon dioxide	60676-86-0		0.197	mg			
+M	-M	Marking	0.0045	mg	+C	-C	Supplier	Other	+S	-S	Epoxy resin	25068-38-6		0.0018	mg			
					+S	-S	Titanium oxide	13463-67-7		0.0018	mg							
					+S	-S	Talc	14807-96-6		0.0009	mg							
+M	-M	1st.plating	0.0815	mg	+C	-C	Supplier	Nickel	+S	-S	Nickel	7440-02-0		0.0815	mg			
+M	-M	2nd.plating	0.0825	mg	+C	-C	Supplier	Tin	+S	-S	Tin	7440-31-5		0.0825	mg			