



# 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 * 2022-02-12	Response Document ID				
Contact Name * Michael Mack	Title - Contact Product Engineer	Phone - Contact * 631-396-7500	Email - Contact * mike.mack@niccomp.com	Duplicate Contact -> Authorized Representative				
Authorized Representative * Michael Mack	Title - Representative Product Engineer	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
	NCST12 Series Suffix "F"		2004-10-01			0.00882	g	Each
Alternate Recommendation				Alternate Item Comments				

## Manufacturing Process Information

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 over Cu</b>					

Save the fields in this form to a file

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Lock the fields on this form to prevent changes

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	<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

+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
																			-	+	
		NCST12 Series Suff			Substrate	7.64973	mg			Supplier	Ceramic			Al2O3	1344-28-1		7.34374	mg			
														SiO2	14808-60-7		0.22949	mg			
														MgO	1309-48-4		0.0765	mg			
		Updise Electrode				0.26609	mg			Supplier	Paste			Ag	7440-22-4		0.26343	mg			
														Palladium	7440-05-3		0.00266	mg			
		Backside Electrode				0.03391	mg			Supplier	Paste			Ag	7440-22-4		0.03391	mg			
		Edge Electrode				0.00128	mg			Supplier	Alloy			Ni	7440-02-0		0.0007	mg			
														Cr	7440-47-3		0.00058	mg			
		Resistive Element				0.29428	mg			Supplier	Paste			RuO2	12036-10-1		0.103	mg			
														PbO	1317-36-8	7c. Lead	0.00294	mg			
														Ag	7440-22-4		0.16185	mg			
														Glass frit	65997-18-4		0.02649	mg			
		Nickel Plating				0.21942	mg			Supplier	Metal			Ni	7440-02-0		0.21942	mg			
		Tin Plating				0.21942	mg			Supplier	Metal			Sn	7440-31-5		0.21942	mg			
		Primary Overcoat				0.03886	mg			Supplier	Paste			Glass Frit	65997-18-4		0.03886	mg			
		Secondary Overcoat				0.09325	mg			Supplier	Paste			"Bisphenol A type epoxy	25068-38-6		0.03544	mg			
														Carbon black	1333-86-4		0.0056	mg			
														Silicon dioxide	60676-86-0		0.04663	mg			
														Additives	-		0.0056	mg			
		Marking				0.00376	mg			Supplier	Epoxy			Bisphenol A type epoxy	25068-38-6		0.00301	mg			
														TiO2	13463-67-7		0.00075	mg			