



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 http://www.ipc.org/IPC-175x	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 * 2020-08-18	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 * Michel Mack	Title - Representative Product Compliance Manager	Phone - Representative * 631-396-7500	Email - Representative * mike.mack@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
	NRCPS12 Series		2004-10-01			9	mg	Each
Alternate Recommendation	NRCPS12 Series Suffix "F"			Alternate Item Comments				

Manufacturing Process Information

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

RoHS Directive 2002/95/EC **RoHS Definition:** 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

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.

RoHS Declaration * 4 | Item(s) does not contain RoHS restricted substances per the definition above except for selected exemptions

Supplier Acceptance * Accepted

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

+ 7c. Lead in electronic ceramic parts (e.g. piezoelectronic devices).

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

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 NRCPS12 Series	+M -M Substrate	7.93617	mg	+C -C Supplier	Metals and Oxides	+S -S Aluminium oxide	1344-28-1		7.66157	mg			
	+C -C Supplier	Silicon		+S -S	Silicon dioxide	14808-60-7			0.20317	mg			
	+C -C Supplier	Oxides		+S -S	Magnesium Oxide	1309-48-4			0.07143	mg			
+M -M Bottom terminal	0.0423	mg	+C -C Supplier	Silver	+S -S Silver	7440-22-4			0.03701	mg			
+C -C Supplier	metal		+S -S	nickel	7440-02-0				0.00529	mg			
+M -M Upper terminal 1	0.03961	mg	+C -C Supplier	metals and oxides	+S -S silver	7440-22-4			0.03179	mg			
			+S -S	palladium	7440-05-3				0.00586	mg			
			+S -S	Silicon dioxide	7631-86-9				0.00098	mg			
			+S -S	Zinc oxide	1314-13-2				0.00049	mg			
			+S -S	Copper oxide	1317-38-0				0.00049	mg			
+M -M upper terminal 2	0.0342	mg	+C -C Supplier	metal	+S -S silver	7440-22-4			0.03109	mg			
+C -C Supplier	metal		+S -S	nickel	7440-02-0				0.00311	mg			
+M -M side terminal	0.0009	mg	+C -C Supplier	metal	+S -S nickel	7440-02-0			0.00072	mg			
+C -C Supplier	chromium		+S -S	chromium	7440-47-3				0.00018	mg			
+M -M resistive elemen	0.06391	mg	+C -C Supplier	metal	+S -S Silver	7440-22-4			0.01589	mg			
+C -C Supplier	metal		+S -S	Palladium	7440-05-3				0.01422	mg			
+C -C Supplier	oxide		+S -S	Ruthenium oxide	12036-10-1				0.00502	mg			
+C -C Supplier	oxide		+S -S	Lead oxide	1317-36-8				0.00753	mg			
+C -C Supplier	oxide		+S -S	Aluminum oxide	1344-28-1				0.00117	mg			
+C -C Supplier	oxide		+S -S	Silicon dioxide	7631-86-9				0.00502	mg			
+C -C Supplier	oxide		+S -S	Zinc oxide	1314-13-2				0.0005	mg			
+C -C Supplier	oxide		+S -S	Copper oxide	1317-38-0				0.00017	mg			
+C -C Supplier	oxide		+S -S	Manganese oxide	1317-35-7				0.00067	mg			

+C	-C	Supplier	oxide		+S	-S	Tantalum oxide	1314-61-0		0.00033	mg							
+C	-C	Supplier	oxide		+S	-S	Titanium oxide	13463-67-7		0.00084	mg							
+C	-C	Supplier	oxide		+S	-S	Barium oxide	1304-28-5		0.00084	mg							
+C	-C	Supplier	resin		+S	-S	Epoxy resin	25068-38-6		0.00251	mg							
+C	-C	Supplier	glass		+S	-S	Glass frits	65997-18-4		0.0092	mg							
+M	-M	protective coating	0.13951	mg	+C	-C	Supplier	oxide	+S	-S	Bismuth oxide	1304-76-3		0.07511	mg			
					+S	-S	Silicon dioxide	7631-86-9		0.0322	mg							
					+S	-S	Aluminium oxide	1344-28-1		0.01431	mg							
					+S	-S	Zirconium dioxide	1314-23-4		0.00716	mg							
					+S	-S	Barium oxide	1304-28-5		0.00537	mg							
					+S	-S	Zinc oxide	1314-13-2		0.00537	mg							
					+S	-S	Copper phthlocyanine	147-14-8		0.00179	mg							
+M	-M	protective coating	0.3447	mg	+C	-C	Supplier	oxide	+S	-S	Silicon dioxide	60676-86-0		0.3447	mg			
+M	-M	protective coating	0.1791	mg	+C	-C	Supplier	resin	+S	-S	Aluminium silicate	12141-46-7		0.09645	mg			
					+S	-S	Epoxy resin	29690-82-2		0.06888	mg							
					+S	-S	carbon black	1333-86-4		0.01377	mg							
+M	-M	marking	0.0081	mg	+C	-C	Supplier	resin	+S	-S	epoxy resin	25068-38-6		0.00324	mg			
					+S	-S	titanium oxide	13463-67-7		0.00324	mg							
					+S	-S	talca	14807-96-6		0.00162	mg							
+M	-M	1st plating	0.1053	mg	+C	-C	Supplier	metal	+S	-S	nickel	7440-02-0		0.1053	mg			
+M	-M	2nd plating	0.1062	mg	+C	-C	Supplier	metal	+S	-S	tin	7440-31-5		0.1062	mg			