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.

1752-1 1.1	IPC Web Site for Information on IPC-1752 Standard http://www.ipc.org/IPC-175x	**Form Type *** **Distribute**	**Declaration Class *** **Class 4 - RoHS Yes/No, JIG Format Substances, Mfg Info**

Supplier Information

Company Name * **Gowanda Electronics**	Company Unique ID Cage Code 24226	Unique ID Authority	**Response Date *** **2008-09-09**	Response Document ID	
Contact Name * **Brian Martin**	Title - Contact **Quality Engineer**	**Phone - Contact *** **716-532-2234 x218**	**Email - Contact *** **BMartin@gowanda.com**	Duplicate Contact -> Authorized Representative	
Authorized Representative * **Ken Hicks**	Title - Representative **Director of Quality**	**Phone - Representative *** **716-532-2234 x216**	**Email - Representative** * **KHicks@gowanda.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
		GA20-LF Series	**High Current Power Inductors**	**2008-09-09**		**USA**	**2**	**g**	**Each**
	Alternate Recommendation				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
Tin/Copper (Sn/Cu)	**CU Alloy**	**1**	**260** C	**40** seconds	**3**

Comments

*** Required Field**

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Save the fields in this form to a file	Export Data	Import fields from a file into this form	Import Data	Clear all of the fields on this form	Reset Form	Lock the fields on this form to prevent changes	Lock Supplier Fields

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 *	1 - Item(s) does not contain RoHS restricted substances per the definition above	**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.

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	Brian Martin	Digitally signed by Brian Martin DN: cn=Brian Martin, o=Gowanda Electronics, ou=Quality Engineer, email=bmartin@gowanda.com, c=US Date: 2008.09.12 14:38:07 -04'00'

*** Required Field**

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Joint Industry Guide (JIG) Material Composition Declaration for Electronic Products

Instructions: Declare whether the item substances exceed the threshold levels shown in the table and report accordingly. Where threshold levels include the words "intentionally added", substances must be declared if they are added intentionally, regardless of threshold level. For each RoHS substance, identified with dual asterisks (**), report the worst case PPM at the homogeneous material level and optionally the total weight of the substance in the item. For all remaining (non-RoHS) JIG A & B substances, and any additional substances, report the total weight and optionally the PPM at the part level for each item.

JIG A autofill - No | JIG B autofill - No | All autofill - No

JIG	Category Name	Threshold Level	Above Threshold Level?	If yes, enter total weight and worse case PPM			Description of Use
Level	**As defined in the Joint Industry Guide**	**Intentionally added or PPM**	**Yes/No**	**Weight**	**UoM**	**PPM**	
A	Asbestos	Intentionally Added	**No**				
A	Certain Azo colorants	Intentionally Added	**No**				
A	Cadmium/Cadmium Compounds **	75 PPM or Intentionally Added	**No**				
A	Hexavalent Chromium/Hexavalent Chromium Compounds **	1000 PPM or Intentionally Added	**No**				
A	Lead/Lead Compounds **	1000 PPM or Intentionally Added	**No**				
A	Lead/Lead Compounds - PVC Cables and Wires Only **	300 PPM	**No**				
A	Mercury/Mercury Compounds **	1000 PPM or Intentionally Added	**No**				
A	Ozone Depleting Substances - Class I (CFCs, HBFCs, etc.)	Intentionally Added	**No**				
A	Ozone Depleting Substances - Class II (HCFCs)	1000 PPM	**No**				
A	Polybrominated Biphenyls (PBBs) **	1000 PPM or Intentionally Added	**No**				
A	Polybrominated Diphenylethers (PBDEs) **	1000 PPM or Intentionally Added	**No**				
A	Polychlorinated Biphenyls (PCBs)	Intentionally Added	**No**				
A	Polychlorinated Naphthalenes (> 3 chlorine atoms)	Intentionally Added	**No**				
A	Radioactive Substances	Intentionally Added	**No**				
A	Certain Shortchain Chlorinated Paraffins	Intentionally Added	**No**				
A	Tributyl Tin (TBT) and Triphenyl Tin (TPT)	Intentionally Added	**No**				
A	Tributyl Tin Oxide (TBTO)	Intentionally Added	**No**				
B	Antimony/Antimony Compounds	1000 PPM	**No**				
B	Arsenic/Arsenic Compounds	1000 PPM	**No**				
B	Beryllium/Beryllium Compounds	1000 PPM	**No**				
B	Bismuth/Bismuth Compounds	1000 PPM	**No**				
B	Brominated Flame Retardants (other than PBBs or PBDEs)	1000 PPM	**No**				
B	Nickel (external applications only)	1000 PPM	**No**				
B	Certain Phthalates	1000 PPM	**No**				
B	Selenium/Selenium Compounds	1000 PPM	**No**				
B	Polyvinyl Chloride (PVC)	1000 PPM	**No**				

*** Required Field**

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OTHER Material Composition Declaration

Requester Instructions: The requester can optionally include additional substances that must be declared for the item on this form. This is in addtion to JIG Level A and JIG Level B substances. The requester should enter additional substances as well as the threshold levels that specify the substance at the item level.

Supplier Instructions: Explicitly declare whether the item exceed the threshold level by selecting Yes or No. If the maximum concentration of any substance exceeds the threshold levels defined by the requester, then the substance content must be reported in total weight and/or worst case PPM, along with a description of material use.

JIG	Category Name	Threshold Level
Other	As defined by the Supplier	Defined by the Supplier
+ -		

Add Other Material Composition to JIG Tab | Clear Other Material Composition in JIG Tab

*** Required Field**

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