 <small>ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®</small>	Material Composition Declaration <small>© Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.</small>	<small>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.</small> 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 * 2019-02-14	Response Document ID					
Contact Name * Craig Davison	Title - Contact Quality Engineer	Phone - Contact * 716-532-2234 x218	Email - Contact * CDavison@gowanda.com	<div>Duplicate Contact -> Authorized Representative</div>					
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 C1000FLXXXXC6	Mfr Item Name Conical Inductor	Effective Date 2019-02-08	Version	Manufacturing Site USA	Weight * 9	UOM g	Unit Type Each	
Alternate Recommendation	Alternate Item Comments								
Manufacturing Process Information									
Terminal Plating / Grid Array Material Tin/Copper (Sn/Cu)	Terminal Base Alloy Cu	J-STD-020 MSL Rating 1	Peak Process Body Temperature 260 C	Max Time at Peak Temperature 40 seconds	Number of Reflow Cycles 3				
Comments Produced in accordance with the RoHS-2 2011/65/EU European Parliament Restriction of Hazardous Substances Directive.									

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

Craig Davison

Digitally signed by Craig Davison

Date: 2019.02.08 12:06:50 -05'00'

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						

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 addition 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
<div><div>+</div><div>-</div></div>		
Add Other Material Composition to JIG Tab		Clear Other Material Composition in JIG Tab

 <small>ASSOCIATION CONNECTING ELECTRONICS INDUSTRIES®</small>	Material Composition Declaration <small>© Copyright 2005. IPC, Bannockburn, Illinois. All rights reserved under both international and Pan-American copyright conventions.</small>	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. <div style="text-align: right;">Adobe Reader version 7.0.5 is required to complete this declaration.</div>							
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 * 2019-02-14	Response Document ID					
Contact Name * Craig Davison	Title - Contact Quality Engineer	Phone - Contact * 716-532-2234 x218	Email - Contact * CDavison@gowanda.com	<div style="border: 1px solid black; padding: 2px; text-align: center;">Duplicate Contact -> Authorized Representative</div>					
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					
<div style="border: 1px solid black; padding: 2px;">Requester Item Number</div>	<div style="border: 1px solid black; padding: 2px;">Mfr Item Number</div>	<div style="border: 1px solid black; padding: 2px;">Mfr Item Name</div>	<div style="border: 1px solid black; padding: 2px;">Effective Date</div>	<div style="border: 1px solid black; padding: 2px;">Version</div>	<div style="border: 1px solid black; padding: 2px;">Manufacturing Site</div>	<div style="border: 1px solid black; padding: 2px;">Weight *</div>	<div style="border: 1px solid black; padding: 2px;">UOM</div>	<div style="border: 1px solid black; padding: 2px;">Unit Type</div>	
	<div style="border: 1px solid black; padding: 2px;">C1000FLXXXG6</div>	<div style="border: 1px solid black; padding: 2px;">Conical Inductor</div>	<div style="border: 1px solid black; padding: 2px;">2019-02-08</div>		<div style="border: 1px solid black; padding: 2px;">USA</div>	<div style="border: 1px solid black; padding: 2px;">9</div>	<div style="border: 1px solid black; padding: 2px;">g</div>	<div style="border: 1px solid black; padding: 2px;">Each</div>	
	<div style="border: 1px solid black; padding: 2px;">Alternate Recommendation</div>								
Manufacturing Process Information									
Terminal Plating / Grid Array Material Gold (Au)	Terminal Base Alloy Cu	J-STD-020 MSL Rating 1	Peak Process Body Temperature 260 C	Max Time at Peak Temperature 40 seconds	Number of Reflow Cycles 3				
Comments Nickel under-strike. Produced in accordance with the RoHS-2 2011/65/EU European Parliament Restriction of Hazardous Substances Directive.									

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

Craig Davison

Digitally signed by Craig Davison
Date: 2019.02.08 12:06:50 -05'00'

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						

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 addition 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
<div><div>+</div><div>-</div></div>		
Add Other Material Composition to JIG Tab		Clear Other Material Composition in JIG Tab