

 <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. 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 Information																																
Supplier Information																																			
Company Name * Littelfuse Inc.	Company Unique ID	Unique ID Authority	Response Date * 2019-06-06	Response Document ID																															
Contact Name * Lya C. Latoza	Title - Contact Global EHS Analyst	Phone - Contact * +63 430 0100	Email - Contact * EnvRequests@littelfuse.com																																
Authorized Representative * Jennilyn D. Santos	Title - Representative Global EHS Supervisor	Phone - Representative * +63 430 0100	Email - Representative * EnvRequests@littelfuse.com	Supplier Comments or URL for Additional Information																															
<table border="1"> <tr> <td data-bbox="34 825 293 854">Requester Item Number</td> <td data-bbox="293 825 553 854">Mfr Item Number</td> <td data-bbox="553 825 813 854">Mfr Item Name</td> <td data-bbox="813 825 943 854">Effective Date</td> <td data-bbox="943 825 1008 854">Version</td> <td data-bbox="1008 825 1203 854">Manufacturing Site</td> <td data-bbox="1203 825 1333 854">Weight *</td> <td data-bbox="1333 825 1430 854">UOM</td> <td data-bbox="1430 825 1596 854">Unit Type</td> </tr> <tr> <td data-bbox="34 854 293 884">S6065KTP_TO218K</td> <td data-bbox="293 854 553 884">S6065KTP_218K</td> <td data-bbox="553 854 813 884">TRIAC 600V 65A TO218</td> <td data-bbox="813 854 943 884">2004-01-11</td> <td data-bbox="943 854 1008 884"></td> <td data-bbox="1008 854 1203 884">China</td> <td data-bbox="1203 854 1333 884">4.71187065</td> <td data-bbox="1333 854 1430 884">g</td> <td data-bbox="1430 854 1596 884">Each</td> </tr> <tr> <td colspan="2" data-bbox="34 884 553 917">Alternate Recommendation</td> <td colspan="2" data-bbox="553 884 813 917"></td> <td colspan="5" data-bbox="813 884 1596 917">Alternate Item Comments</td> </tr> </table>	Requester Item Number	Mfr Item Number	Mfr Item Name	Effective Date	Version	Manufacturing Site	Weight *	UOM	Unit Type	S6065KTP_TO218K	S6065KTP_218K	TRIAC 600V 65A TO218	2004-01-11		China	4.71187065	g	Each	Alternate Recommendation				Alternate Item Comments												
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Manufacturing Process Information																																			
Terminal Plating / Grid Array Material Matte Tin (Sn)	Terminal Base Alloy CU Alloy	J-STD-020 MSL Rating 1	Peak Process Body Temperature 260 C	Max Time at Peak Temperature 30 seconds	Number of Reflow Cycles 1																														
Comments The old exemption 5 has been replaced by Exemption 7(c)-1, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors.																																			

* Required Field

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RoHS Material Composition Declaration

Declaration Type *

Simplified

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

Supplier certifies that it gathered the information it provides in this form concerning RoHS restrictive substances 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.

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
	5. Lead in glass of cathode ray tubes, electronic components and fluorescent tubes.
	7a. Lead in high melting temperature type solders (i.e. lead based solder alloys containing 85% by weight or more lead).

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

Lya C. Latoza

DN: cn=Lya C. Latoza, o, ou, email=llatoza@sitefuse.com, c=PH
Date: 2019.06.06 11:09:24 +0800

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
												-	+	
	TRIAC 600V 65A TC	Heatsink/Lead fr	3.2232	g		Supplier	CuFEP							
							Copper (Cu)	7440-50-8		3.217075	g			
							Iron (Fe)	7439-89-6		0.004834	g			
							Phosphorus (P)	7723-14-0		0.001289	g			
	Outside Lead Fir		0.05997	g		Supplier	Tin (Sn)	7440-31-5		0.05997	g			
	Die attach (Solder)		0.0183	g		Supplier	Pb95Sn5	7440-31-5		0.000915	g			
					A	Lead/Lead Compound	Lead	7439-92-1	7a. Lead	0.017385	g			950,00
	Die attach (Solder)		0.015	g		Supplier	Pb88Sn10Ag2	7440-31-5		0.0015	g			
							Sliver	7440-22-4		0.0003	g			
					A	Lead/Lead Compound	Lead	7439-92-1	7a. Lead	0.0132	g			880,00
	Die Attach (Solder)		0.012	g		Supplier	Pb90Sn10	7440-31-5		0.0012	g			
					A	Lead/Lead Compound	Lead	7439-92-1	7a. Lead	0.0108	g			900,00
	Chip		0.02111	g		Supplier	Silicon (Si)	7440-21-3		0.020533	g			
					B	Nickel (external applic	Nickel	7440-02-0		0.000585	g			
	Chip Passivation		0.00092	g		Supplier	SiO2	7631-86-9		0.000462	g			
					Supplier	PbO	PbO	1317-36-8	5. Lead in	0.000411	g			444,43
					Supplier	Al2O3	Al2O3	1344-28-1		0.000010	g			
					Supplier	Boron	Boron	7440-42-8		0.000012	g			
					Supplier	Oxygen	Oxygen	7782-44-7		0.000028	g			
	Ceramic Substra		0.2482	g		Supplier	Ceramic	Al2O3	1344-28-1	0.238272	g			
							Misc., not to declare	SYSTEM		0.009928	g			
	Clip		0.06175	g		Supplier	CuO	7440-50-8		0.061738	g			
							Oxygen	7782-44-7		0.000018	g			
	Molding Compou		1.0514	g		Supplier	Moulding Compound	SYSTEM		0.21028	g			

Phenol resin	SYSTEM		0.094626	g			
non- brominated flame	SYSTEM		0.21028	g			
Carbon black	1333-86-4		0.010514	g			
Silica Fused	60676-86-0		0.5257	g			

* Required Field

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