

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V5.5MLA0805NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2	Black Chip (Ceramic)	
ICP-1898	087310	Inner Electrode	
ICP-2077	087381	End Termination- Pb-Free Paste	
ICP-2076	089120	Glass Powder	
ICP-0457	087364	End Termination- Ag Epoxy Paste	
ICP-0435	-	Plating Layer (Ni)	
ICP-0447	-	Plating Layer (Sn)	


**To view the third party RoHS validation report of these materials, see download procedure below.**

1. Open the FTP website on your windows explorer: [ftp://pubftp.littelfuse.com/ICP\\_Test\\_Reports/](ftp://pubftp.littelfuse.com/ICP_Test_Reports/)
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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**

  
Diana Jane D. Gabinete  
Environmental Data Analyst

**Noted by:**

  
Arsenio M. Cesista, Jr.  
Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V18MLA1206H

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	-	BLACK CHIP (CERAMIC)	
ICP-2076	089120	GLASS POWDER	
ICP-1757	087368	INNER ELECTRODE - PASTE	
ICP-2077	087381	Pb-FREE PASTE	
ICP-0457	087364	EPOXY PASTE	
ICP-0435	-	Plating Layer (Ni)	
ICP-0447	-	Plating Layer (Sn)	

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**



Jennilyn R. Dinglasan  
Global EHS Supervisor

**Noted by:**



Arsenio M. Cesista, Jr.  
Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V30MLA0603NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	-	BLACK CHIP (CERAMIC)	
ICP-1757	087368	INNER ELECTRODE - PASTE	
ICP-2077	087381	Pb-FREE PASTE	
ICP-2076	089120	GLASS POWDER	
ICP-0457	087364	EPOXY PASTE	
ICP-0435	-	Plating Layer (Ni)	
ICP-0447	-	Plating Layer (Sn)	

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**



Jennilyn R. Dinglasan  
 Global EHS Supervisor

**Noted by:**



Arsenio M. Cesista, Jr.  
 Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V68MLA1206NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	-	Black Chip (Ceramic)	
ICP-1757	087368	Inner Electrode - Paste	
ICP-2077	087381	Pb-Free Paste	
ICP-0457	087364	Epoxy Paste	
ICP-2076	089120	Glass Powder	
ICP-0435	-	Plating Layer (Ni)	
ICP-0447	-	Plating Layer (Sn)	

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**



Jennilyn R. Dinglasan  
 Global EHS Supervisor

**Noted by:**



Arsenio M. Cesista, Jr.  
 Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V5.5MLA0805LNH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.


Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2	Black Chip (Ceramic)	
ICP-2076	089120	Glass Powder	
ICP-1898	087310	Inner Electrode	
ICP-2077	087381	End Termination- Pb-Free Paste	
ICP-0457	087364	End Termination- Ag Epoxy Paste	
ICP-0435	-	Plating Layer (Ni)	
ICP-0447	-	Plating Layer (Sn)	

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**



Jennilyn R. Dinglasan  
 Global EHS Supervisor

**Noted by:**



Arsenio M. Cesista, Jr.  
 Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V30MLA0805LNH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2220)	Black Chip (Ceramic)	
ICP-2076	089120	Chip Passivation	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	Pb-Free Paste	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	

**To view the third party RoHS validation report of these materials, see download procedure below.**

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**



Jennilyn R. Dinglasan  
 Global EHS Supervisor

**Noted by:**



Arsenio M. Cesista, Jr.  
 Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V14MLA0805NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2220)	Black Chip (Ceramic)	
ICP-2076	089120	Chip Passivation	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	Pb-Free Paste	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	


**To view the third party RoHS validation report of these materials, see download procedure below.**

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**

  
DIANA JANE DE GUZMAN  
Global EHS Analyst

**Noted by:**

  
Arsenio M. Cesista, Jr.  
Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V48MLA1206NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.


Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2220)	Black Chip (Ceramic)	
ICP-2076	089120	Chip Passivation	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	Pb-Free Paste	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	

**To view the third party RoHS validation report of these materials, see download procedure below.**

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**   
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Global EHS Analyst

**Noted by:**   
Arsenio M. Cesista, Jr.  
Global EHS Manager





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Chicago, IL 60631  
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## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V14MLA0603NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2220)	Black Chip (Ceramic)	
ICP-2076	089120	Chip Passivation	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	Pb-Free Paste	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**   
DIANA JANE DE GUZMAN  
Global EHS Analyst

**Noted by:**   
Arsenio M. Cesista, Jr.  
Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V30MLA1210NH

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Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2220)	Black Chip (Ceramic)	
ICP-2076	089120	Chip Passivation	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	Pb-Free Paste	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**   
DIANA JANE DE GUZMAN  
Global EHS Analyst

**Noted by:**   
Arsenio M. Cesista, Jr.  
Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V5.5MLA0603H

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Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2	Black Chip (Ceramic)	
ICP-2076	089120	Black Chip (Glass Insulation)	
ICP-1898	087310	AG/PD INNER ELECT PASTE ML-3017 (MS308)	
ICP-2077	087381	JM Pb-Free AgPt Paste TS24519	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	

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**Issued by:**



Jennilyn R. Dinglasan  
 Global EHS Supervisor

**Noted by:**



Arsenio M. Cesista, Jr.  
 Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V26MLA0603NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.


Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except 2220)	Black Chip (Ceramic)	
ICP-2076	089120	Chip Passivation	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	Pb-Free Paste	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**   
DIANA JANE DE GUZMAN  
Global EHS Analyst

**Noted by:**   
Arsenio M. Cesista, Jr.  
Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V3.5MLA0603H

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except	Black Chip (Ceramic)	
ICP-2076	089120	Black Chip (Glass Insulation)	
ICP-1898	087310	AG/PD INNER ELECT PASTE ML-3017 (MS308)	
ICP-2077	087381	JM Pb-Free AgPt Paste TS24519	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	


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**Issued by:**

  
Sharie Lyn S. Mantilla  
Global EHS Engineer

**Noted by:**

  
Arsenio M. Cesista, Jr.  
Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V5.5MLA0603NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

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Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except	Black Chip (Ceramic)	
ICP-2076	089120	Black Chip (Glass Insulation)	
ICP-1898	087310	AG/PD INNER ELECT PASTE ML-3017 (MS308)	
ICP-2077	087381	JM Pb-Free AgPt Paste TS24519	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	


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**Issued by:**

  
Sharie Lyn S. Mantilla  
Global EHS Engineer

**Noted by:**

  
Arsenio M. Cesista, Jr.  
Global EHS Manager



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 Chicago, IL 60631  
 www.littelfuse.com

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V42MLA1206NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except	Black Chip (Ceramic)	
ICP-2076	089120	Black Chip (Glass Insulation)	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	JM Pb-Free AgPt Paste TS24519	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	


**To view the third party RoHS validation report of these materials, see download procedure below.**

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3. Find the corresponding ICP ID and download the corresponding ICP report.

**Issued by:**

  
 Sharie Lyn S. Mantilla  
 Global EHS Engineer

**Noted by:**

  
 Arsenio M. Cesista, Jr.  
 Global EHS Manager

## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V85MLA1210NH

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except	Black Chip (Ceramic)	
ICP-2076	089120	Black Chip (Glass Insulation)	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	JM Pb-Free AgPt Paste TS24519	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	


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Issued by:

  
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Global EHS Engineer

Noted by:

  
Arsenio M. Cesista, Jr.  
Global EHS Manager



## RoHS Lab Analysis Report and Certification



**Product Description:** MULTI-LAYER VARISTOR SURFACE MOUNT  
**Product Number:** V26MLA1206A

This document hereby certifies that the aforementioned product and all its associated materials, are in compliance with RoHS Directive 2011/65/EU of the European Parliament and of the Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Furthermore, it is hereby reported that the aforementioned product is composed of the following materials wherein valid Eu RoHS exemptions may be indicated as applicable.

Table 1. Product material composition and applicable RoHS exemption(s)

ICP ID	Raw Material Part Number	Raw Material Description	Applicable RoHS Exemption(s)
ICP-1848	Black Chip (except	Black Chip (Ceramic)	
ICP-2076	089120	Black Chip (Glass Insulation)	
ICP-1757	087368	Ag/Pd(80/20) INNER ELECT PASTE ML-3026	
ICP-2077	087381	JM Pb-Free AgPt Paste TS24519	
ICP-0457	087364	Protavic Ag-epoxy paste BCE30381	
ICP-0435	-	Nickel R rounds	
ICP-0447	-	Solder (Tin Plating)	


**To view the third party RoHS validation report of these materials, see download procedure below.**

1. Open the FTP website on your windows explorer: [ftp://pubftp.littelfuse.com/ICP\\_Test\\_Reports/](ftp://pubftp.littelfuse.com/ICP_Test_Reports/)
2. Retrieve the username and password thru your corresponding Sales / FAE or email [envrequests@littelfuse.com](mailto:envrequests@littelfuse.com)
3. Find the corresponding ICP ID and download the corresponding ICP report.

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