

# Product Compliance Declaration

Please see [www.molex.com](http://www.molex.com) for the most up-to-date information.

## Contact Information

**Name** Molex Product Compliance **E-Mail** Product.Compliance@molex.com

## Part Information

**Part Number** 0015388037 **Part Weight** 0.43G

**Part Name** SL FFC/FPC Opt C Female Tin 3Ckt

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
SL FFC/FPC Opt C Female Tin 3Ckt	Assembly		100	0.43
FORMED FFC TERMINAL 403911211	Assembly		46.7442	0.201
.100 SL FFC Tin Plated	Assembly		46.7442	0.201
.100 SL FFC Term Unplated	Component		43.2558	0.186
Phosphor Bronze 5% Unplated	Material		43.2558	0.186
Copper	Substance	7440-50-8	41.0281	0.176421
Tin	Substance	7440-31-5	2.1628	0.0093
Phosphorus	Substance	7723-14-0	0.0649	0.000279
Nickel Plating	Material		1.3256	0.0057
Nickel	Substance	7440-02-0	1.3254	0.005699
Further Additives, not to declare	Substance	system	0.0001	6E-07
Tin Plating	Material		2.1628	0.0093
Tin	Substance	7440-31-5	2.1628	0.0093

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Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
SL FFC Housing Opt. C 3Ckt	Component		53.2558	0.229
PBT+PC GF BLACK	Material		53.2558	0.229
PC+PBT	Substance		27.7393	0.119279
GF-Fibre	Substance		17.5976	0.07567
Flame Retardant, ISO 1043-4 FR(17)	Substance		4.9088	0.021108
Antimonytrioxide	Substance	1309-64-4	1.7135	0.007368
Pigment portion, not to declare	Substance	system	0.6483	0.002788
Further Additives, not to declare	Substance	system	0.6483	0.002788

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## ROHS Declaration Information

**Regulatory Revision** EU 2015/863

**Compliance Status** Compliant

### Contained Substances Exceeding Threshold

None

### Exemptions

None

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## REACH-SVHC Declaration Information

**Regulatory Revision** D(2020)9139-DC (19 Jan 2021)

### Contained Substances Exceeding Threshold

None

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## GADSL Declaration Information

**Regulatory Revision** GADSL imported from IMDS

### Contained Substances Exceeding Threshold

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
lead		*Note	500	Yes
lead	Phosphor Bronze 5% A (CA510)	*Note	250	Yes
Antimonytrioxide	PBT+PC GF BLACK	*Note	40,000	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
copper	Phosphor Bronze 5% A (CA510)	*Note	943,350	Yes
glass, oxide, chemicals	PBT+PC GF BLACK	*Note	350,000	Yes

**\*Note:** For GADSL substance declarable/prohibited threshold values, please reference <http://www.gadsl.org/>

### Exemptions

Part Name	Exemption
	44 Concentration within acceptable GADSL limits
Phosphor Bronze 5% A (CA510)	44 Concentration within acceptable GADSL limits
Ep-Ni	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week)

## HFLH Declaration Information

**Regulatory Revision** IEC 61249-2-21

### Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Bromine and its compounds	PBT+PC GF BLACK	900	100,000	Yes
Bromine and Chlorine combined	PBT+PC GF BLACK	1,500	100,000	Yes

## China ROHS Declaration Information

Part Number 0015388037		<b>Hazardous Substances</b>				
Part Name SL FFC/FPC Opt C Female Tin 3Ckt						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
SL FFC/FPC Opt C Female Tin 3Ckt	○	○	○	○	○	○
FORMED FFC TERMINAL 403911211	○	○	○	○	○	○
.100 SL FFC Tin Plated	○	○	○	○	○	○
.100 SL FFC Term Unplated	○	○	○	○	○	○
SL FFC Housing Opt. C 3Ckt	○	○	○	○	○	○

## Process Information

Component Plating / Surface Finish	N/A
Termination Base Alloy	N/A
Solder Alloy	N/A
Process Capability	N/A
Maximum Exposure Time (seconds)	N/A
Maximum Process Temperature (C)	N/A
Maximum Cycles at Reflow Temperature	N/A
J-STD-020 Moisture Sensitivity Level	N/A

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