

Product Compliance Declaration

Please see 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 0015388020 **Part Weight** 0.36G

Part Name SL FFC/FPC Opt G Female Tin 2Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
SL FFC/FPC Opt G Female Tin 2Ckt	Assembly		100	0.36
FORMED FFC TERMINAL 403911211	Assembly		37.2222	0.134
.100 SL FFC Tin Plated	Assembly		37.2222	0.134
.100 SL FFC Term Unplated	Component		34.4444	0.124
Phosphor Bronze 5% Unplated	Material		34.4444	0.124
Copper	Substance	7440-50-8	32.6706	0.117614
Tin	Substance	7440-31-5	1.7222	0.0062
Phosphorus	Substance	7723-14-0	0.0517	0.000186
Nickel Plating	Material		1.0556	0.0038
Nickel	Substance	7440-02-0	1.0555	0.0038
Further Additives, not to declare	Substance	system	0.0001	4E-07
Tin Plating	Material		1.7222	0.0062
Tin	Substance	7440-31-5	1.7222	0.0062

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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 2Ckt	Component		62.7778	0.226
PBT+PC GF BLACK	Material		62.7778	0.226
PC+PBT	Substance		32.699	0.117716
GF-Fibre	Substance		20.744	0.074678
Flame Retardant, ISO 1043-4 FR(17)	Substance		5.7865	0.020831
Antimonytrioxide	Substance	1309-64-4	2.0198	0.007271
Pigment portion, not to declare	Substance	system	0.7643	0.002751
Further Additives, not to declare	Substance	system	0.7643	0.002751

ROHS Declaration Information

Regulatory Revision EU 2015/863

Compliance Status Compliant

Contained Substances Exceeding Threshold

None

Exemptions

None

REACH-SVHC Declaration Information

Regulatory Revision D(2020)4578-DC (25 June 2020)

Contained Substances Exceeding Threshold

None

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	0015388020		Hazardous Substances				
Part Name	SL FFC/FPC Opt G Female Tin 2Ckt						
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 G Female Tin 2Ckt	○	○	○	○	○	○
FORMED FFC TERMINAL 403911211	○	○	○	○	○	○
.100 SL FFC Tin Plated	○	○	○	○	○	○
.100 SL FFC Term Unplated	○	○	○	○	○	○
SL FFC Housing 2Ckt	○	○	○	○	○	○

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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