

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 0015388120 **Part Weight** 1.824G

Part Name SL FFC/FPC Opt G Female Tin 12Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
SL FFC/FPC Opt G Female Tin 12Ckt	Assembly		100	1.824
FORMED FFC TERMINAL 403911211	Assembly		44.0789	0.804
.100 SL FFC Tin Plated	Assembly		44.0789	0.804
.100 SL FFC Term Unplated	Component		40.7895	0.744
Phosphor Bronze 5% Unplated	Material		40.7895	0.744
Copper	Substance	7440-50-8	38.6888	0.705684
Tin	Substance	7440-31-5	2.0395	0.0372
Phosphorus	Substance	7723-14-0	0.0612	0.001116
Nickel Plating	Material		1.25	0.0228
Nickel	Substance	7440-02-0	1.2499	0.022798
Further Additives, not to declare	Substance	system	0.0001	0.000002
Tin Plating	Material		2.0395	0.0372
Tin	Substance	7440-31-5	2.0395	0.0372

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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 12Ckt Opt G	Component		55.9211	1.02
PBT+PC GF BLACK	Material		55.9211	1.02
PC+PBT	Substance		29.1275	0.531286
Antimonytrioxide	Substance	1309-64-4	1.7992	0.032817
Flame Retardant, ISO 1043-4 FR(17)	Substance		5.1545	0.094017
Pigment portion, not to declare	Substance	system	0.6808	0.012417
Further Additives, not to declare	Substance	system	0.6808	0.012417
GF-Fibre	Substance		18.4783	0.337044

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	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
Lead	Phosphor Bronze 5% A (CA510)	*Note	250	Yes
Antimonytrioxide	PBT+PC GF BLACK	*Note	40,000	Yes
Nickel	Ep-Ni	*Note	997,500	Yes
Copper	Phosphor Bronze 5% A (CA510)	*Note	943,350	Yes
Glass fibres	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
e-plate Sn (electrodeposited Tin Coatings, bright and matt)	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/cm ² /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	0015388120		Hazardous Substances				
Part Name	SL FFC/FPC Opt G Female Tin 12Ckt						
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 12Ckt	○	○	○	○	○	○
FORMED FFC TERMINAL 403911211	○	○	○	○	○	○
.100 SL FFC Tin Plated	○	○	○	○	○	○
.100 SL FFC Term Unplated	○	○	○	○	○	○
SL FFC Housing 12Ckt Opt G	○	○	○	○	○	○

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

Aug 30, 2020

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