

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 0015474210 **Part Weight** 2.945286G

Part Name SL FFC/FPC Opt A Female 15"SAu 21Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
SL FFC/FPC Opt A Female 15"SAu 21Ckt	Assembly		100	2.945286
FORMED FFC TERMINAL 15"SAu 403911212	Assembly		46.3549	1.365286
100 KK Crp Term 571 plate	Assembly		46.3549	1.365286
.100 SL FFC Term Unplated	Component		44.2062	1.302
Phosphor Bronze 5% Unplated	Material		44.2062	1.302
Copper	Substance	7440-50-8	41.9296	1.234947
Tin	Substance	7440-31-5	2.2103	0.0651
Phosphorus	Substance	7723-14-0	0.0663	0.001953
Gold Plating	Material		0.1246	0.003669
Cobalt	Substance	7440-48-4	0.0003	0.000009
Nickel	Substance	7440-02-0	0.0003	0.000009
Gold	Substance	7440-57-5	0.1239	0.00365
Nickel Plating	Material		1.3547	0.0399

Form Rev - F

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)
Nickel	Substance	7440-02-0	1.3546	0.039896
Further Additives, not to declare	Substance	system	0.0001	0.000004
Tin Plating	Material		0.6694	0.019717
Tin	Substance	7440-31-5	0.6694	0.019717
SL FFC Housing Opt B 21Ckt	Component		53.6451	1.58
PBT+PC GF BLACK	Material		53.6451	1.58
PC+PBT	Substance		27.942	0.822973
GF-Fibre	Substance		17.7262	0.522087
Flame Retardant, ISO 1043-4 FR(17)	Substance		4.9447	0.145635
Antimonytrioxide	Substance	1309-64-4	1.726	0.050835
Pigment portion, not to declare	Substance	system	0.6531	0.019235
Further Additives, not to declare	Substance	system	0.6531	0.019235

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)9139-DC (19 Jan 2021)

Contained Substances Exceeding Threshold

None

Form Rev - F

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.

GADSL Declaration Information

Regulatory Revision GADSL imported from IMDS

Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
lead	Phosphor Bronze 5% A (CA510)	*Note	250	Yes
lead	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
Antimonytrioxide	PBT+PC GF BLACK	*Note	40,000	Yes
nickel powder [particle diameter < 1 mm]	e-plate Au (Hardgold) (electrodeposited Hardgold)	*Note	2,500	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
Cobalt	e-plate Au (Hardgold) (electrodeposited Hardgold)	*Note	2,500	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
Phosphor Bronze 5% A (CA510)	44 Concentration within acceptable GADSL limits
e-plate Sn (electrodeposited Tin Coatings, bright and matt)	44 Concentration within acceptable GADSL limits
e-plate Au (Hardgold) (electrodeposited Hardgold Coatings)	34 Not applicable
Ep-Ni	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm ² /week)

Form Rev - F

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.


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 0015474210		Hazardous Substances				
Part Name SL FFC/FPC Opt A Female 15"SAu 21Ckt						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
SL FFC/FPC Opt A Female 15"SAu 21Ckt	○	○	○	○	○	○
FORMED FFC TERMINAL 15"SAu 403911212	○	○	○	○	○	○
100 KK Crp Term 571 plate	○	○	○	○	○	○
.100 SL FFC Term Unplated	○	○	○	○	○	○
SL FFC Housing Opt B 21Ckt	○	○	○	○	○	○

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

Form Rev - F

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.

Mar 24, 2021

Form Rev - F

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.