

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 0014600054 **Part Weight** 0.943G

Part Name CGrid SL IDT Opt G Tin 5Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
CGrid SL IDT Opt G Tin 5Ckt	Assembly		100	0.943
SL Crp Hsg G SR Pos Ltch 5Ckt	Component		55.4613	0.523
PBT+PC GF BLACK	Material		55.4613	0.523
PC+PBT	Substance		28.8881	0.272414
GF-Fibre	Substance		18.3264	0.172818
Flame Retardant, ISO 1043-4 FR(17)	Substance		5.1121	0.048207
Antimonytrioxide	Substance	1309-64-4	1.7844	0.016827
Pigment portion, not to declare	Substance	system	0.6752	0.006367
Further Additives, not to declare	Substance	system	0.6752	0.006367
SL Female IDT Term Tin Formed	Assembly		44.5387	0.42
SL Female IDT Term Tin	Assembly		44.5387	0.42
SL Term Blanked	Component		40.8271	0.385
Phosphor Bronze 5% Unplated	Material		40.8271	0.385

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)
Copper	Substance	7440-50-8	38.7245	0.365172
Tin	Substance	7440-31-5	2.0414	0.01925
Phosphorus	Substance	7723-14-0	0.0612	0.000577
Nickel Plating	Material		1.2195	0.0115
Nickel	Substance	7440-02-0	1.2194	0.011499
Further Additives, not to declare	Substance	system	0.0001	0.000001
Tin Plating	Material		2.492	0.0235
Tin	Substance	7440-31-5	2.492	0.0235

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

GADSL Declaration Information

Regulatory Revision GADSL imported from IMDS

Contained Substances Exceeding Threshold

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.

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	0014600054		Hazardous Substances				
Part Name	CGrid SL IDT Opt G Tin 5Ckt						
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE

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.

Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
CGrid SL IDT Opt G Tin 5Ckt	○	○	○	○	○	○
SL Crp Hsg G SR Pos Ltch 5Ckt	○	○	○	○	○	○
SL Female IDT Term Tin Formed	○	○	○	○	○	○
SL Female IDT Term Tin	○	○	○	○	○	○
SL Term Blanked	○	○	○	○	○	○

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

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.