

# 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** 0015977044 **Part Weight** 1.562062G

**Part Name** MINIFIT VERT. HDR ASSY TPA W/FLG 4CKT

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
MINIFIT VERT. HDR ASSY TPA W/FLG 4CKT	Assembly		100	1.562062
MINIFIT VERT. HDR TPA W/O DH W/FLG 4CKT	Component		84.1196	1.314
PBT-FR(17)	Material		84.1196	1.314
PBT	Substance		55.0983	0.86067
Flame Retardant, ISO 1043-4 FR(17)	Substance		12.6179	0.1971
Antimonytrioxide	Substance	1309-64-4	8.412	0.1314
Further Additives, not to declare	Substance	system	7.9914	0.12483
MINIFIT PC TAIL TERMINAL 5565AGS	Assembly		15.8804	0.248062
MINIFIT PC TAIL TERMINAL 5565AGSWOP	Component		15.3643	0.24
Cartridge Brass 70% Unplated	Material		15.3643	0.24
Copper	Substance	7440-50-8	10.755	0.168
Zinc (metal)	Substance	7440-66-6	4.6093	0.072
Gold Plating	Material		0.0537	0.000839

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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)
Cobalt	Substance	7440-48-4	0.0001	0.000002
Nickel	Substance	7440-02-0	0.0001	0.000002
Gold	Substance	7440-57-5	0.0534	0.000835
Nickel Plating	Material		0.3073	0.0048
Nickel	Substance	7440-02-0	0.3073	0.0048
Further Additives, not to declare	Substance	system	3E-05	5E-07
Tin Plating	Material		0.1551	0.002423
Tin	Substance	7440-31-5	0.1551	0.002423

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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)4578-DC (25 June 2020)

### 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	Cartridge Brass 70% (CA260)	*Note	350	Yes
lead	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
Antimonytrioxide	PBT-FR(17)	*Note	100,000	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	Cartridge Brass 70% (CA260)	*Note	700,000	Yes

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

### Exemptions

Part Name	Exemption
Cartridge Brass 70% (CA260)	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/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-FR(17)	900	150,000	Yes
Bromine and Chlorine combined	PBT-FR(17)	1,500	150,000	Yes

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## China ROHS Declaration Information

Part Number 0015977044		<b>Hazardous Substances</b>					
Part Name MINIFIT VERT. HDR ASSY TPA W/ FLG 4CKT							
Part Information							
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE	
MINIFIT VERT. HDR ASSY TPA W/FLG 4CKT	O	O	O	O	O	O	
MINIFIT VERT. HDR TPA W/O DH W/FLG 4CKT	O	O	O	O	O	O	
MINIFIT PC TAIL TERMINAL 5565AGS	O	O	O	O	O	O	
MINIFIT PC TAIL TERMINAL 5565AGSWOP	O	O	O	O	O	O	

## Process Information

Component Plating / Surface Finish	MSn-Ni
Termination Base Alloy	Brass
Solder Alloy	N/A
Process Capability	WAVE
Maximum Exposure Time (seconds)	005
Maximum Process Temperature (C)	260
Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	N/A

Jan 11, 2021

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