

# 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** 1053141106 **Part Weight** 0.7155G

**Part Name** NANOFIT HDR RA DLR 6CKT TIN BLK

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
NANOFIT HDR RA DLR 6CKT TIN BLK	Assembly		100	0.7155
Nano-Fit Hdr HSG R/A 2X3	Component		54.5073	0.39
LCP-GF30	Material		54.5073	0.39
Carbon black	Substance	1333-86-4	0.2725	0.00195
LCP	Substance		37.065	0.2652
Further Additives, not to declare	Substance	system	0.8176	0.00585
GF-Fibre	Substance		16.3522	0.117
Band TML, Thor 2.5um matte, 13.68	Assembly		19.2872	0.138
Band TML, Thor stamping, 13.68	Component		18.0294	0.129
Cartridge Brass 70% Unplated	Material		18.0294	0.129
Copper	Substance	7440-50-8	12.6205	0.0903
Zinc (metal)	Substance	7440-66-6	5.4088	0.0387
NICKEL CROWN ANODE	Material		0.6709	0.0048

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	0.6709	0.0048
TIN BALL ANODE	Material		0.587	0.0042
Tin	Substance	7440-31-5	0.587	0.0042
Band TML, Thor 2.5um matte, 18.68	Assembly		26.2055	0.1875
Band TML, Thor stamping, 18.68	Component		24.7379	0.177
Cartridge Brass 70% Unplated	Material		24.7379	0.177
Copper	Substance	7440-50-8	17.3166	0.1239
Zinc (metal)	Substance	7440-66-6	7.4214	0.0531
NICKEL CROWN ANODE	Material		0.7966	0.0057
Nickel	Substance	7440-02-0	0.7966	0.0057
TIN BALL ANODE	Material		0.6709	0.0048
Tin	Substance	7440-31-5	0.6709	0.0048

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(2021)4569-DC (8 July 2021)

Contained Substances Exceeding Threshold

None

GADSL Declaration Information

Regulatory Revision GADSL imported from IMDS

Contained Substances Exceeding Threshold

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
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	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
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

None

China ROHS Declaration Information

Part Number 1053141106		<b>Hazardous Substances</b>					
Part Name NANOFIT HDR RA DLR 6CKT TIN BLK							
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
NANOFIT HDR RA DLR 6CKT TIN BLK	O	O	O	O	O	O
Nano-Fit Hdr HSG R/A 2X3	O	O	O	O	O	O
Band TML, Thor 2.5um matte, 13.68	O	O	O	O	O	O
Band TML, Thor stamping, 13.68	O	O	O	O	O	O
Band TML, Thor 2.5um matte, 18.68	O	O	O	O	O	O
Band TML, Thor stamping, 18.68	O	O	O	O	O	O

## Additional Information

Annex XVII to REACH (76/769/EEC)	Compliant
Regulation (EU) 2019/1021 (POP)	Compliant

## 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

Jan 2, 2022

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.