

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 0039291168 **Part Weight** 5.7922G

Part Name 16CKT R/A MINI FIT HEADER 556916A1

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
16CKT R/A MINI FIT HEADER 556916A1	Assembly		100	5.7922
HOUSING FOR 5569-NA1	Component		42.9854	2.4898
PA66 NATURAL	Material		42.9854	2.4898
PA66	Substance		42.1257	2.440004
Further Additives, not to declare	Substance	system	0.8597	0.049796
. SQ WIRE R/A PIN . X .	Component		21.9606	1.272
sn	Material		0.0439	0.002544
Tin	Substance	7440-31-5	0.0439	0.002544
ni	Material		0.022	0.001272
Nickel	Substance	7440-02-0	0.022	0.001272
brass	Material		21.8947	1.268184
Copper	Substance	7440-50-8	14.2315	0.82432
Zinc (metal)	Substance	7440-66-6	7.6631	0.443864

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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)
. SQ WIRE R/A PIN . X .	Component		35.054	2.0304
sn	Material		0.0701	0.004061
Tin	Substance	7440-31-5	0.0701	0.004061
ni	Material		0.0351	0.00203
Nickel	Substance	7440-02-0	0.0351	0.00203
brass	Material		34.9489	2.024309
Copper	Substance	7440-50-8	22.7168	1.315801
Zinc (metal)	Substance	7440-66-6	12.2321	0.708508

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

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
nickel powder [particle diameter < 1 mm]	ni	*Note	1,000,000	Yes
copper	brass	*Note	650,000	Yes

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

Exemptions

Part Name	Exemption
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	0039291168		<div>Hazardous Substances</div>					
Part Name	16CKT R/A MINI FIT HEADER 556916A1							
Part Information								
Components			Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
16CKT R/A MINI FIT HEADER 556916A1			O	O	O	O	O	O
HOUSING FOR 5569-NA1			O	O	O	O	O	O
. SQ WIRE R/A PIN . X .			O	O	O	O	O	O
. SQ WIRE R/A PIN . X .			O	O	O	O	O	O

Process Information

Component Plating / Surface Finish	MSn-Ni
Termination Base Alloy	Brass

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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

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