

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 0015978043 **Part Weight** 1.927G

Part Name MiniFit TPA RA Hdr /Peg Tin 4Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
MiniFit TPA RA Hdr /Peg Tin 4Ckt	Assembly		100	1.927
.650 X .042 Sq. Bando pin 222 Matte Tin	Assembly		16.3985	0.316
0.650 X .042 Sq Bando Pin 999	Component		16.2948	0.314
Cartridge Brass 70% Unplated	Material		16.2948	0.314
Copper	Substance	7440-50-8	11.4063	0.2198
Zinc (metal)	Substance	7440-66-6	4.8884	0.0942
Tin Plating	Material		0.0646	0.001245
Tin	Substance	7440-31-5	0.0646	0.001245
Nickel Plating	Material		0.0392	0.000755
Nickel	Substance	7440-02-0	0.0392	0.000755
Further Additives	Substance	system	4E-6	8E-8
1.083 X .042 Sq. Bando Pin 222 Matte Tin	Assembly		27.919	0.538
1.083 X .042 Sq Bando Pin 999	Component		27.5039	0.53

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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)
Cartridge Brass 70% Unplated	Material		27.5039	0.53
Copper	Substance	7440-50-8	19.2527	0.371
Zinc (metal)	Substance	7440-66-6	8.2512	0.159
Tin Plating	Material		0.2595	0.005
Tin	Substance	7440-31-5	0.2595	0.005
Nickel Plating	Material		0.1557	0.003
Nickel	Substance	7440-02-0	0.1557	0.003
Further Additives	Substance	system	2E-5	3E-7
MiniFit TPA RA Hdr /Peg 4Ckt	Component		55.6824	1.073
PBT UF BLACK	Material		55.6824	1.073
PBT	Substance		36.472	0.702815
Antimonytrioxide	Substance	1309-64-4	5.5682	0.1073
Further Additives	Substance	system	5.2898	0.101935
Flame Retardant, ISO 1043-4 FR(17)	Substance		8.3524	0.16095

ROHS Declaration Information

Regulatory Revision 2011/65/EU

Compliance Status Compliant

Contained Substances Exceeding Threshold

None

Exemptions

None

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REACH-SVHC Declaration Information

Regulatory Revision ED/01/2017 (12 January 2017)

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	150	Yes
Antimonytrioxide	PBT UF BLACK	*Note	100,000	Yes
Nickel	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/cm ² /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 UF BLACK	900	150,000	Yes

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Bromine and Chlorine combined	PBT UF BLACK	1,500	150,000	Yes

China ROHS Declaration Information

Part Number 0015978043		Hazardous Substances				
Part Name MiniFit TPA RA Hdr /Peg Tin 4Ckt						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
MiniFit TPA RA Hdr /Peg Tin 4Ckt	○	○	○	○	○	○
.650 X .042 Sq. Bando pin 222 Matte Tin	○	○	○	○	○	○
0.650 X .042 Sq Bando Pin 999	○	○	○	○	○	○
1.083 X .042 Sq. Bando Pin 222 Matte Tin	○	○	○	○	○	○
1.083 X .042 Sq Bando Pin 999	○	○	○	○	○	○
MiniFit TPA RA Hdr /Peg 4Ckt	○	○	○	○	○	○

Process Information

Component Plating / Surface Finish	BSn
Termination Base Alloy	Brass
Solder Alloy	N/A
Process Capability	WAVE
Maximum Exposure Time (seconds)	005
Maximum Process Temperature (C)	240
Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	N/A

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