

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 0015978162 **Part Weight** 7.147G

Part Name MiniFit TPA RA Hdr /Flg Tin 16Ckt

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
MiniFit TPA RA Hdr /Flg Tin 16Ckt	Assembly		100	7.147
.650 X .042 Sq. Bando pin 222 Matte Tin	Assembly		17.6857	1.264
0.650 X .042 Sq Bando Pin 999	Component		17.5738	1.256
Cartridge Brass 70% Unplated	Material		17.5738	1.256
Copper	Substance	7440-50-8	12.3017	0.8792
Zinc (metal)	Substance	7440-66-6	5.2721	0.3768
Tin Plating	Material		0.0697	0.004981
Tin	Substance	7440-31-5	0.0697	0.004981
Nickel Plating	Material		0.0422	0.003019
Nickel	Substance	7440-02-0	0.0422	0.003019
Further Additives, not to declare	Substance	system	4E-06	3E-07
1.083 X .042 Sq. Bando Pin 222 Matte Tin	Assembly		30.1105	2.152
1.083 X .042 Sq Bando Pin 999	Component		29.6628	2.12

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Cartridge Brass 70% Unplated	Material		29.6628	2.12
Copper	Substance	7440-50-8	20.764	1.484
Zinc (metal)	Substance	7440-66-6	8.8988	0.636
Tin Plating	Material		0.2798	0.02
Tin	Substance	7440-31-5	0.2798	0.02
Nickel Plating	Material		0.1679	0.012
Nickel	Substance	7440-02-0	0.1679	0.011999
Further Additives, not to declare	Substance	system	2E-05	0.000001
MiniFit TPA RA Hdr/Flg 16Ckt	Component		52.2037	3.731
PBT-FR(17)	Material		52.2037	3.731
PBT	Substance		34.1934	2.443805
Flame Retardant, ISO 1043-4 FR(17)	Substance		7.8306	0.55965
Antimonytrioxide	Substance	1309-64-4	5.2204	0.3731
Further Additives, not to declare	Substance	system	4.9594	0.354445

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)4578-DC (25 June 2020)

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		*Note	500	Yes
Antimonytrioxide	PBT-FR(17)	*Note	100,000	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
	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-FR(17)	900	150,000	Yes

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Bromine and Chlorine combined	PBT-FR(17)	1,500	150,000	Yes

China ROHS Declaration Information

Part Number	0015978162		Hazardous Substances					
Part Name	MiniFit TPA RA Hdr /Flg Tin 16Ckt							
Part Information								
Components			Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
MiniFit TPA RA Hdr /Flg Tin 16Ckt			O	O	O	O	O	O
.650 X .042 Sq. Bando pin 222 Matte Tin			O	O	O	O	O	O
0.650 X .042 Sq Bando Pin 999			O	O	O	O	O	O
1.083 X .042 Sq. Bando Pin 222 Matte Tin			O	O	O	O	O	O
1.083 X .042 Sq Bando Pin 999			O	O	O	O	O	O
MiniFit TPA RA Hdr/Flg 16Ckt			O	O	O	O	O	O

Process Information

Component Plating / Surface Finish	N/A
Termination Base Alloy	N/A
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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