

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 1054051106 **Part Weight** 0.9746G

Part Name Nano Fit SMT R/A Hdr 2X3 Blk tin

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Nano Fit SMT R/A Hdr 2X3 Blk tin	Assembly		100	0.9746
Nano Fit SMT R/A Hdr HSG 2X3 Blk	Component		48.2249	0.47
LCP-GF30	Material		48.2249	0.47
Carbon black	Substance	1333-86-4	0.2411	0.00235
LCP	Substance		32.7929	0.3196
Further Additives, not to declare	Substance	system	0.7234	0.00705
GF-Fibre	Substance		14.4675	0.141
Nano Fit SMT R/A Hdr L TML tin	Assembly		21.5473	0.21
Nano Fit SMT R/A Hdr L TML w/o plated	Component		18.4691	0.18
Yellow Brass 66% Unplated	Material		18.4691	0.18
Copper	Substance	7440-50-8	12.2358	0.11925
Zinc (metal)	Substance	7440-66-6	6.2333	0.06075
NICKEL CROWN ANODE	Material		1.9393	0.0189

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Nickel	Substance	7440-02-0	1.9393	0.0189
TIN BALL ANODE	Material		1.1389	0.0111
Tin	Substance	7440-31-5	1.1389	0.0111
Nano Fit SMT R/A Hdr S TML tin	Assembly		16.3759	0.1596
Nano Fit SMT R/A Hdr S TML w/o plated	Component		15.3909	0.15
Yellow Brass 66% Unplated	Material		15.3909	0.15
Copper	Substance	7440-50-8	10.1965	0.099375
Zinc (metal)	Substance	7440-66-6	5.1944	0.050625
NICKEL CROWN ANODE	Material		0.5541	0.0054
Nickel	Substance	7440-02-0	0.5541	0.0054
TIN BALL ANODE	Material		0.4309	0.0042
Tin	Substance	7440-31-5	0.4309	0.0042
Nano Fit SMT R/A Hdr Clip-S tin	Assembly		13.8518	0.135
Nano Fit SMT R/A Hdr Clip-S w/o plated	Component		12.3127	0.12
Yellow Brass 66% Unplated	Material		12.3127	0.12
Copper	Substance	7440-50-8	8.1572	0.0795
Zinc (metal)	Substance	7440-66-6	4.1556	0.0405
NICKEL CROWN ANODE	Material		0.472	0.0046
Nickel	Substance	7440-02-0	0.472	0.0046
TIN BALL ANODE	Material		1.0671	0.0104
Tin	Substance	7440-31-5	1.0671	0.0104

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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	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
lead	C2680	*Note	250	Yes
nickel powder [particle diameter < 1 mm]	NICKEL CROWN ANODE	*Note	1,000,000	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
copper	C2680	*Note	660,000	Yes
glass, oxide, chemicals	LCP-GF30	*Note	300,000	Yes

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

Part Name	Exemption
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Exemptions

Part Name	Exemption
e-plate Sn (electrodeposited Tin Coatings, bright and matt)	44 Concentration within acceptable GADSL limits
C2680	44 Concentration within acceptable GADSL limits
NICKEL CROWN ANODE	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week)
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 1054051106		Hazardous Substances				
Part Name Nano Fit SMT R/A Hdr 2X3 Blk tin						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
Nano Fit SMT R/A Hdr 2X3 Blk tin	O	O	O	O	O	O
Nano Fit SMT R/A Hdr HSG 2X3 Blk	O	O	O	O	O	O
Nano Fit SMT R/A Hdr L TML tin	O	O	O	O	O	O
Nano Fit SMT R/A Hdr L TML w/o plated	O	O	O	O	O	O
Nano Fit SMT R/A Hdr S TML tin	O	O	O	O	O	O
Nano Fit SMT R/A Hdr S TML w/o plated	O	O	O	O	O	O
Nano Fit SMT R/A Hdr Clip-S tin	O	O	O	O	O	O
Nano Fit SMT R/A Hdr Clip-S w/o plated	O	O	O	O	O	O

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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

Dec 8, 2020

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