

Product Compliance Declaration

Please see www.molex.com for the most up-to-date information.

Contact Information

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Part Information

Part Number 1054051206 **Part Weight** 0.974903G

Part Name Nano Fit SMT R/A Hdr 2X3 Blk 15u'G

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Nano Fit SMT R/A Hdr 2X3 Blk 15u'G	Assembly		100	0.974903
Nano Fit SMT R/A Hdr HSG 2X3 Blk	Component		48.2099	0.47
LCP-GF30	Material		48.2099	0.47
Carbon black	Substance	1333-86-4	0.241	0.00235
LCP	Substance		32.7828	0.3196
Further Additives, not to declare	Substance	system	0.7231	0.00705
GF-Fibre	Substance		14.463	0.141
Nano Fit SMT R/A Hdr L TML 15u'G	Assembly		21.5332	0.209928
Nano Fit SMT R/A Hdr L TML w/o plated	Component		18.4634	0.18
Yellow Brass 66% Unplated	Material		18.4634	0.18
Copper	Substance	7440-50-8	12.232	0.11925
Zinc (metal)	Substance	7440-66-6	6.2314	0.06075
NICKEL CROWN ANODE	Material		1.6617	0.0162

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Nickel	Substance	7440-02-0	1.6617	0.0162
TIN BALL ANODE	Material		1.2924	0.0126
Tin	Substance	7440-31-5	1.2924	0.0126
Gold Plating	Material		0.1157	0.001128
Cobalt	Substance	7440-48-4	0.0003	0.000003
Nickel	Substance	7440-02-0	0.0003	0.000003
Gold	Substance	7440-57-5	0.1151	0.001122
Nano Fit SMT R/A Hdr S TML 15u'G	Assembly		16.4093	0.159975
Nano Fit SMT R/A Hdr S TML w/o plated	Component		15.3862	0.15
Yellow Brass 66% Unplated	Material		15.3862	0.15
Copper	Substance	7440-50-8	10.1933	0.099375
Zinc (metal)	Substance	7440-66-6	5.1928	0.050625
NICKEL CROWN ANODE	Material		0.5539	0.0054
Nickel	Substance	7440-02-0	0.5539	0.0054
TIN BALL ANODE	Material		0.4308	0.0042
Tin	Substance	7440-31-5	0.4308	0.0042
Gold Plating	Material		0.0385	0.000375
Cobalt	Substance	7440-48-4	1E-04	9E-07
Nickel	Substance	7440-02-0	1E-04	9E-07
Gold	Substance	7440-57-5	0.0383	0.000373
Nano Fit SMT R/A Hdr Clip-S tin	Assembly		13.8475	0.135
Nano Fit SMT R/A Hdr Clip-S w/o plated	Component		12.3089	0.12
Yellow Brass 66% Unplated	Material		12.3089	0.12
Copper	Substance	7440-50-8	8.1547	0.0795
Zinc (metal)	Substance	7440-66-6	4.1543	0.0405
NICKEL CROWN ANODE	Material		0.4718	0.0046
Nickel	Substance	7440-02-0	0.4718	0.0046
TIN BALL ANODE	Material		1.0668	0.0104
Tin	Substance	7440-31-5	1.0668	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]	e-plate Au (Hardgold) (electrodeposited Hardgold	*Note	2,500	Yes
nickel powder [particle diameter < 1 mm]	e-plate Au (Hardgold) (electrodeposited Hardgold	*Note	2,500	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
Cobalt	e-plate Au (Hardgold) (electrodeposited Hardgold	*Note	2,500	Yes
copper	C2680	*Note	660,000	Yes

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
glass, oxide, chemicals	LCP-GF30	*Note	300,000	Yes

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

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
e-plate Au (Hardgold) (electrodeposited Hardgold Coatings)	33 Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week)
e-plate Au (Hardgold) (electrodeposited Hardgold Coatings)	34 Not applicable
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	1054051206		<div>Hazardous Substances</div>					
Part Name	Nano Fit SMT R/A Hdr 2X3 Blk 15u'G							
Part Information								
Components			Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
Nano Fit SMT R/A Hdr 2X3 Blk 15u'G			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 15u'G			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 15u'G			O	O	O	O	O	O

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
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

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

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