

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 1042470617 **Part Weight** 0.254643G

Part Name 0.5 FPC Connector 6P

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
0.5 FPC Connector 6P	Assembly		100	0.254643
0.5 FPC Conn. 6P, Housing	Component		40.056	0.102
LCP GF/MF NATURAL	Material		40.056	0.102
LCP	Substance		25.9162	0.065994
GF-Fibre	Substance		4.0056	0.0102
Mineral powder	Substance		10.014	0.0255
Further Additives, not to declare	Substance	system	0.1202	0.000306
0.5 FPC Conn. 6P, Actuator	Component		14.5301	0.037
PPS GF BLACK	Material		14.5301	0.037
PPS	Substance		5.812	0.0148
GF-Fibre	Substance		5.812	0.0148
PA6T	Substance		2.6154	0.00666
Carbon black	Substance	1333-86-4	0.0727	0.000185

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
2,4,8,10-Tetraoxa-3,9-diphosphaspiro(5.5)undecane, 3,9-bis(2,6-bis(1,1-dimethylethyl)-4-methylphenoxy)-	Substance	80693-00-1	0.0145	0.000037
Further Additives, not to declare	Substance	system	0.2034	0.000518
0.5 FPC Conn. 6P, Terminal	Assembly		23.5621	0.059999
0.5 FPC Conn. 6P, Terminal (Un-plated)	Component		21.2061	0.054
Phosphor Bronze 8% Unplated	Material		21.2061	0.054
Copper	Substance	7440-50-8	19.4693	0.049577
Tin	Substance	7440-31-5	1.6965	0.00432
Phosphorus	Substance	7723-14-0	0.0403	0.000103
Nickel Plating	Material		2.3197	0.005907
Nickel	Substance	7440-02-0	2.3195	0.005906
Further Additives, not to declare	Substance	system	0.0002	6E-07
Gold Plating	Material		0.0328	0.000083
Cobalt	Substance	7440-48-4	8E-05	2E-07
Nickel	Substance	7440-02-0	8E-05	2E-07
Gold	Substance	7440-57-5	0.0326	0.000083
Sealing Surface Treatment	Material		0.0035	0.000009
Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy	Substance	24938-91-8	0.0035	0.000009
Misc.	Substance	system	4E-06	9E-09
0.5 FPC Connector 6P, F/Nail-L	Assembly		10.9259	0.027822
0.5 FPC Connector 6P. F/Nail-L (Un-P)	Component		9.8177	0.025
Phosphor Bronze 8% Unplated	Material		9.8177	0.025
Copper	Substance	7440-50-8	9.0136	0.022953
Tin	Substance	7440-31-5	0.7854	0.002
Phosphorus	Substance	7723-14-0	0.0187	0.000048
Nickel Plating	Material		0.719	0.001831
Nickel	Substance	7440-02-0	0.719	0.001831
Further Additives, not to declare	Substance	system	7E-05	2E-07
Tin Plating	Material		0.3892	0.000991

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Tin	Substance	7440-31-5	0.3892	0.000991
0.5 FPC Connector 6P, F/Nail-R	Assembly		10.9259	0.027822
0.5 FPC Connector 6P. F/Nail-R (Un-P)	Component		9.8177	0.025
Phosphor Bronze 8% Unplated	Material		9.8177	0.025
Copper	Substance	7440-50-8	9.0136	0.022953
Tin	Substance	7440-31-5	0.7854	0.002
Phosphorus	Substance	7723-14-0	0.0187	0.000048
Nickel Plating	Material		0.719	0.001831
Nickel	Substance	7440-02-0	0.719	0.001831
Further Additives, not to declare	Substance	system	7E-05	2E-07
Tin Plating	Material		0.3892	0.000991
Tin	Substance	7440-31-5	0.3892	0.000991

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

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GADSL Declaration Information

Regulatory Revision GADSL imported from IMDS

Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
lead		*Note	500	Yes
lead	Phosphor Bronze, 8%	*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]	Ep-Ni	*Note	997,500	Yes
Cobalt	e-plate Au (Hardgold) (electrodeposited Hardgold)	*Note	2,500	Yes
copper	Phosphor Bronze, 8%	*Note	913,850	Yes
glass, oxide, chemicals	LCP GF/MF NATURAL	*Note	160,000	Yes
glass, oxide, chemicals	PPS GF BLACK	*Note	400,000	Yes

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

Exemptions

Part Name	Exemption
	44 Concentration within acceptable GADSL limits
Phosphor Bronze, 8%	44 Concentration within acceptable GADSL limits
e-plate Au (Hardgold) (electrodeposited Hardgold Coatings)	34 Not applicable
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

None

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China ROHS Declaration Information

Part Number	1042470617		Hazardous Substances				
Part Name	0.5 FPC Connector 6P						
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
0.5 FPC Connector 6P		○	○	○	○	○	○
0.5 FPC Conn. 6P, Housing		○	○	○	○	○	○
0.5 FPC Conn. 6P, Actuator		○	○	○	○	○	○
0.5 FPC Conn. 6P, Terminal		○	○	○	○	○	○
0.5 FPC Conn. 6P, Terminal (Un-plated)		○	○	○	○	○	○
0.5 FPC Connector 6P, F/Nail-L		○	○	○	○	○	○
0.5 FPC Connector 6P. F/Nail-L (Un-P)		○	○	○	○	○	○
0.5 FPC Connector 6P, F/Nail-R		○	○	○	○	○	○
0.5 FPC Connector 6P. F/Nail-R (Un-P)		○	○	○	○	○	○

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

Mar 25, 2021

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