

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 1042230501 **Part Weight** 3.05902G

Part Name HSAUTOLINK R/A HEADER SMT A-TYPE TRAY

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
HSAUTOLINK R/A HEADER SMT A-TYPE TRAY	Assembly		100	3.05902
HSAUTOLINK R/A Shroud-A for HMI Module	Component		70.2839	2.15
PS-ST GF30 Black	Material		70.2839	2.15
PS-ST	Substance		41.0742	1.256469
GF-Fibre	Substance		21.209	0.648788
Pigment portion, not to declare	Substance	system	0.4661	0.014259
Further Additives, not to declare	Substance	system	2.1704	0.066394
Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated	Substance	66070-58-4	5.3641	0.16409
HSAUTOLINK R/A USB MINI-B	Assembly		19.3206	0.59102
HSAutoLink R/A Rec. Housing(Gray)	Component		3.9228	0.12
LCP-(MD+GF)30 BLACK	Material		3.9228	0.12
LCP	Substance		2.5891	0.0792
GF-Fibre	Substance		0.3923	0.012

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Mineral powder	Substance		0.863	0.0264
Further Additives, not to declare	Substance	system	0.0392	0.0012
Carbon black	Substance	1333-86-4	0.0392	0.0012
HSAutoLink R/A Shield Case(Plated)	Assembly		14.2529	0.436
HSAutoLink R/A Shield Case(Un-Plated)	Component		14.1549	0.433
Phosphor Bronze 8% Unplated	Material		14.1549	0.433
Copper	Substance	7440-50-8	12.9956	0.397537
Tin	Substance	7440-31-5	1.1324	0.03464
Phosphorus	Substance	7723-14-0	0.0269	0.000823
Tin Plating	Material		0.0654	0.002
Tin	Substance	7440-31-5	0.0654	0.002
Nickel Plating	Material		0.0327	0.001
Nickel	Substance	7440-02-0	0.0327	0.001
Further Additives, not to declare	Substance	system	3E-06	1E-07
HSAUTOLINK R/A TERMINAL (PLATE)	Assembly		1.1448	0.03502
HSAUTOLINK R/A TERMINAL (UNPLATE)	Component		1.1442	0.035
Copper-Nickel-Silicon Unplated	Material		1.1442	0.035
Copper	Substance	7440-50-8	1.0972	0.033565
Nickel	Substance	7440-02-0	0.0366	0.00112
Silicon	Substance	7440-21-3	0.0083	0.000254
Magnesium (metal)	Substance	7439-95-4	0.002	0.000061
Tin Plating	Material		0.0002	0.000005
Tin	Substance	7440-31-5	0.0002	0.000005
Nickel Plating	Material		0.0002	0.000005
Nickel	Substance	7440-02-0	0.0002	0.000005
Further Additives, not to declare	Substance	system	2E-08	5E-10
Gold Plating	Material		0.0002	0.000005
Cobalt	Substance	7440-48-4	4E-07	1E-08
Nickel	Substance	7440-02-0	4E-07	1E-08

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Gold	Substance	7440-57-5	0.0002	0.000005
Sealing Surface Treatment	Material		0.0002	0.000005
Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy	Substance	24938-91-8	0.0002	0.000005
Misc.	Substance	system	2E-07	5E-09
HSAUTOLINK R.A FITTING NAIL	Assembly		10.3955	0.318
HSAUTOLINK R.A FITTING NAIL(UNPLATE)	Component		10.134	0.31
Yellow Brass 66% Unplated	Material		10.134	0.31
Copper	Substance	7440-50-8	6.7138	0.205375
Zinc (metal)	Substance	7440-66-6	3.4202	0.104625
Nickel Plating	Material		0.0654	0.002
Nickel	Substance	7440-02-0	0.0654	0.002
Further Additives, not to declare	Substance	system	7E-06	2E-07
Tin Plating	Material		0.1961	0.006
Tin	Substance	7440-31-5	0.1961	0.006

ROHS Declaration Information

Regulatory Revision EU 2015/863

Compliance Status Compliant

Contained Substances Exceeding Threshold

None

Exemptions

None

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REACH-SVHC Declaration Information

Regulatory Revision D(2021)4569-DC (8 July 2021)

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	Copper Nickel	*Note	250	Yes
Lead	Phosphor Bronze, 8%	*Note	250	Yes
Lead	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
Lead	C2680	*Note	250	Yes
nickel powder [particle diameter < 1 mm]	Copper Nickel	*Note	32,000	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	Copper Nickel	*Note	2,000	Yes
Cobalt	e-plate Au (Hardgold) (electrodeposited Hardgold)	*Note	2,500	Yes
copper	Copper Nickel	*Note	947,750	Yes
copper	Phosphor Bronze, 8%	*Note	913,850	Yes
copper	C2680	*Note	660,000	Yes

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

Part Name	Exemption
Copper Nickel	44 Concentration within acceptable GADSL limits
Phosphor Bronze, 8%	44 Concentration within acceptable GADSL limits
e-plate Sn (electrodeposited Tin Coatings, bright and matt)	44 Concentration within acceptable GADSL limits

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Exemptions

Part Name	Exemption
C2680	44 Concentration within acceptable GADSL limits
Copper Nickel	34 Not applicable
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

Additional Information

Annex XVII to REACH (76/769/EEC)	Compliant
Regulation (EU) 2019/1021 (POP)	Compliant

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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