

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 0022053091 **Part Weight** 1.206G

Part Name KK 100 HDR FRLK RTAN 09 CKT TIN

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 HDR FRLK RTAN 09 CKT TIN	Assembly		100	1.206
KK . Sq Pin . Tin	Component		52.9851	0.639
Plating Tin	Material		0.0037	0.000045
Tin	Substance	7440-31-5	0.0037	0.000044
Misc.	Substance	system	4E-05	4E-07
Plating Nickel	Material		0.0016	0.000019
Nickel	Substance	7440-02-0	0.0016	0.000019
Misc.	Substance	system	2E-05	2E-07
Brass	Material		52.9798	0.638936
Zinc (metal)	Substance	7440-66-6	15.8939	0.191681
Copper	Substance	7440-50-8	37.0858	0.447255
KK 100 Header FrLk 09 ckt	Component		47.0149	0.567
PA66 WHITE	Material		47.0149	0.567

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
PA66	Substance		39.9627	0.48195
Flame Retardant, ISO 1043-4 FR(30)	Substance		4.7015	0.0567
Further Additives, not to declare	Substance	system	2.3507	0.02835

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

GADSL Declaration Information

Regulatory Revision GADSL imported from IMDS

Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
nickel powder [particle diameter < 1 mm]	Plating Nickel	*Note	990,000	Yes
copper	Brass	*Note	700,000	Yes

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

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Exemptions

Part Name	Exemption
Plating Nickel	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

China ROHS Declaration Information

Part Number 0022053091		Hazardous Substances					
Part Name KK 100 HDR FRLK RTAN 09 CKT TIN							
Part Information							
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE	
KK 100 HDR FRLK RTAN 09 CKT TIN	○	○	○	○	○	○	
KK . Sq Pin . Tin	○	○	○	○	○	○	
KK 100 Header FrLk 09 ckt	○	○	○	○	○	○	

Process Information

Component Plating / Surface Finish	M _{Sn} -Ni
Termination Base Alloy	Brass
Solder Alloy	N/A
Process Capability	WAVE
Maximum Exposure Time (seconds)	005
Maximum Process Temperature (C)	235
Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	N/A

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Mar 24, 2021

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