

# Product Compliance Declaration

Please see [www.molex.com](http://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** 0643340100 **Part Weight** 28.613854G

**Part Name** CMC Rct.Angle HDR ASSY 32CKT blk

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
CMC Rct.Angle HDR ASSY 32CKT blk	Assembly		100	28.613854
CMC Straight HDR 32CKT blk	Component		71.7415	20.528
PBT GF BLACK	Material		71.7415	20.528
PBT-I	Substance		34.6409	9.912088
GF-Fibre	Substance		22.889	6.549417
Flame Retardant, ISO 1043-4 FR(17)	Substance		10.4196	2.981446
Antimonytrioxide	Substance	1309-64-4	2.6988	0.772243
Pigment portion, not to declare	Substance	system	0.5466	0.156403
Further Additives, not to declare	Substance	system	0.5466	0.156403
CMC HEADER PIN 1.5 W/PLT	Component		2.7095	0.77529
Cartridge Brass 70% Unplated	Material		2.677	0.766
Copper	Substance	7440-50-8	1.8739	0.5362
Zinc (metal)	Substance	7440-66-6	0.8031	0.2298

Form Rev - F

Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Nickel Plating	Material		0.028	0.008
Nickel	Substance	7440-02-0	0.028	0.007999
Further Additives, not to declare	Substance	system	3E-06	8E-07
Tin Plating	Material		0.0045	0.00129
Tin	Substance	7440-31-5	0.0045	0.00129
CMC HEADER PIN 1.5 W/PLT	Component		2.4621	0.70449
Cartridge Brass 70% Unplated	Material		2.4324	0.696
Copper	Substance	7440-50-8	1.7027	0.4872
Zinc (metal)	Substance	7440-66-6	0.7297	0.2088
Nickel Plating	Material		0.0252	0.0072
Nickel	Substance	7440-02-0	0.0252	0.007199
Further Additives, not to declare	Substance	system	3E-06	7E-07
Tin Plating	Material		0.0045	0.00129
Tin	Substance	7440-31-5	0.0045	0.00129
CMC HEADER PIN 1.5 W/PLT	Component		2.2146	0.633669
Cartridge Brass 70% Unplated	Material		2.1878	0.626
Copper	Substance	7440-50-8	1.5314	0.4382
Zinc (metal)	Substance	7440-66-6	0.6563	0.1878
Nickel Plating	Material		0.0224	0.0064
Nickel	Substance	7440-02-0	0.0224	0.006399
Further Additives, not to declare	Substance	system	2E-06	6E-07
Tin Plating	Material		0.0044	0.001269
Tin	Substance	7440-31-5	0.0044	0.001269
CMC HEADER PIN 1.5 W/PLT	Component		2.0599	0.589405
Cartridge Brass 70% Unplated	Material		2.0347	0.5822
Copper	Substance	7440-50-8	1.4243	0.40754
Zinc (metal)	Substance	7440-66-6	0.6104	0.17466
Nickel Plating	Material		0.0203	0.0058
Nickel	Substance	7440-02-0	0.0203	0.005799

Form Rev - F

Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Further Additives, not to declare	Substance	system	2E-06	6E-07
Tin Plating	Material		0.0049	0.001405
Tin	Substance	7440-31-5	0.0049	0.001405
CMC HEADER PIN 0.64 W/BANDOLIER	Component		3.7954	1.086
Cartridge Brass 70%	Material		3.1579	0.9036
Tin Plating	Material		0.0657	0.018808
Tin	Substance	7440-31-5	0.0657	0.018808
Cartridge Brass 70% Unplated	Material		3.0481	0.872182
Copper	Substance	7440-50-8	2.1337	0.610527
Zinc (metal)	Substance	7440-66-6	0.9144	0.261655
Nickel Plating	Material		0.0441	0.012611
Nickel	Substance	7440-02-0	0.0441	0.012609
Further Additives, not to declare	Substance	system	4E-06	0.000001
Cartridge Brass 70% Unplated	Material		0.6375	0.1824
Copper	Substance	7440-50-8	0.4462	0.12768
Zinc (metal)	Substance	7440-66-6	0.1912	0.05472
CMC HEADER PIN 0.64 W/BANDOLIER	Component		3.3131	0.948
Cartridge Brass 70%	Material		2.6987	0.7722
Tin Plating	Material		0.0562	0.016073
Tin	Substance	7440-31-5	0.0562	0.016073
Cartridge Brass 70% Unplated	Material		2.6049	0.745351
Copper	Substance	7440-50-8	1.8234	0.521745
Zinc (metal)	Substance	7440-66-6	0.7815	0.223605
Nickel Plating	Material		0.0377	0.010777
Nickel	Substance	7440-02-0	0.0377	0.010776
Further Additives, not to declare	Substance	system	4E-06	0.000001
Cartridge Brass 70% Unplated	Material		0.6144	0.1758
Copper	Substance	7440-50-8	0.4301	0.12306
Zinc (metal)	Substance	7440-66-6	0.1843	0.05274

Form Rev - F

Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
CMC HEADER PIN 0.64 W/BANDOLIER	Component		2.8308	0.81
Cartridge Brass 70%	Material		2.2332	0.639
Tin Plating	Material		0.0465	0.0133
Tin	Substance	7440-31-5	0.0465	0.0133
Cartridge Brass 70% Unplated	Material		2.1555	0.616782
Copper	Substance	7440-50-8	1.5089	0.431747
Zinc (metal)	Substance	7440-66-6	0.6467	0.185035
Nickel Plating	Material		0.0312	0.008918
Nickel	Substance	7440-02-0	0.0312	0.008917
Further Additives, not to declare	Substance	system	3E-06	9E-07
Cartridge Brass 70% Unplated	Material		0.5976	0.171
Copper	Substance	7440-50-8	0.4183	0.1197
Zinc (metal)	Substance	7440-66-6	0.1793	0.0513
CMC HEADER PIN 0.64 W/BANDOLIER	Component		2.3485	0.672
Cartridge Brass 70%	Material		1.7865	0.5112
Tin Plating	Material		0.0372	0.01064
Tin	Substance	7440-31-5	0.0372	0.01064
Cartridge Brass 70% Unplated	Material		1.7244	0.493426
Copper	Substance	7440-50-8	1.2071	0.345398
Zinc (metal)	Substance	7440-66-6	0.5173	0.148028
Nickel Plating	Material		0.0249	0.007134
Nickel	Substance	7440-02-0	0.0249	0.007134
Further Additives, not to declare	Substance	system	2E-06	7E-07
Cartridge Brass 70% Unplated	Material		0.562	0.1608
Copper	Substance	7440-50-8	0.3934	0.11256
Zinc (metal)	Substance	7440-66-6	0.1686	0.04824
CMC STRAIGHT GUIDING PLATE 32CKT BLK	Component		6.5248	1.867
PBT GF BLACK	Material		6.5248	1.867
PBT-I	Substance		3.1506	0.901494

Form Rev - F

Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
GF-Fibre	Substance		2.0817	0.595663
Flame Retardant, ISO 1043-4 FR(17)	Substance		0.9477	0.271159
Antimonytrioxide	Substance	1309-64-4	0.2455	0.070235
Pigment portion, not to declare	Substance	system	0.0497	0.014225
Further Additives, not to declare	Substance	system	0.0497	0.014225

---

## 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
lead	Cartridge Brass 70% (CA260)	*Note	350	Yes
lead		*Note	500	Yes

Form Rev - F

Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Antimonytrioxide	PBT GF BLACK	*Note	50,000	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
copper	Cartridge Brass 70% (CA260)	*Note	700,000	Yes
glass, oxide, chemicals	PBT GF BLACK	*Note	350,000	Yes

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

### Exemptions

Part Name	Exemption
Cartridge Brass 70% (CA260)	44 Concentration within acceptable GADSL limits
	44 Concentration within acceptable GADSL limits
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

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Bromine and its compounds	PBT GF BLACK	900	170,000	Yes
Bromine and Chlorine combined	PBT GF BLACK	1,500	170,000	Yes

### China ROHS Declaration Information

Part Number 0643340100		<b>Hazardous Substances</b>					
Part Name CMC Rct.Angle HDR ASSY 32CKT blk							
Part Information							
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE	
CMC Rct.Angle HDR ASSY 32CKT blk	○	○	○	○	○	○	
CMC Straight HDR 32CKT blk	○	○	○	○	○	○	

Form Rev - F

Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.

Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
CMC HEADER PIN 1.5 W/PLT	○	○	○	○	○	○
CMC HEADER PIN 1.5 W/PLT	○	○	○	○	○	○
CMC HEADER PIN 1.5 W/PLT	○	○	○	○	○	○
CMC HEADER PIN 1.5 W/PLT	○	○	○	○	○	○
CMC HEADER PIN 0.64 W/BANDOLIER	○	○	○	○	○	○
CMC HEADER PIN 0.64 W/BANDOLIER	○	○	○	○	○	○
CMC HEADER PIN 0.64 W/BANDOLIER	○	○	○	○	○	○
CMC HEADER PIN 0.64 W/BANDOLIER	○	○	○	○	○	○
CMC STRAIGHT GUIDING PLATE 32CKT BLK	○	○	○	○	○	○

## Process Information

Component Plating / Surface Finish	MSn-Ni
Termination Base Alloy	Brass
Solder Alloy	N/A
Process Capability	WAVE
Maximum Exposure Time (seconds)	025
Maximum Process Temperature (C)	260
Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	N/A

Mar 22, 2021

Form Rev - F

Limitation of this Product Compliance Declaration: This declaration is based on the state of knowledge and belief of Molex as of the date that it is provided. Molex bases its knowledge and belief on information provided by numerous sources, including third parties, and in certain circumstances laboratory test results. Molex has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and substances. Molex represents that to the best of its knowledge that the information provided in this declaration is accurate. Molex's sole liability shall be to either replace the product or refund the purchase price of the product if it does not meet the requirement of this declaration.