

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 0022124022 **Part Weight** 0.250045G

Part Name 2.54mm KK Hdr RA FricLK .5Au 2Ckt

Product Composition

| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| 2.54mm KK Hdr RA FricLK .5Au 2Ckt | Assembly | | 100 | 0.250045 |
| .740 x .0261 Sq Brass Bando Pin 20SAu | Assembly | | 54.4081 | 0.136045 |
| .740 x .0261 Sq Brass Bando Pin Unplated | Component | | 52.7906 | 0.132 |
| Cartridge Brass 70% Unplated | Material | | 52.7906 | 0.132 |
| Copper | Substance | 7440-50-8 | 36.9534 | 0.0924 |
| Zinc (metal) | Substance | 7440-66-6 | 15.8372 | 0.0396 |
| Tin Plating | Material | | 0.3208 | 0.000802 |
| Tin | Substance | 7440-31-5 | 0.3208 | 0.000802 |
| Nickel Plating | Material | | 1.1198 | 0.0028 |
| Nickel | Substance | 7440-02-0 | 1.1197 | 0.0028 |
| Further Additives, not to declare | Substance | system | 0.0001 | 3E-07 |
| Gold Plating | Material | | 0.1769 | 0.000442 |
| Cobalt | Substance | 7440-48-4 | 0.0004 | 0.000001 |

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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 | Substance | 7440-02-0 | 0.0004 | 0.000001 |
| Gold | Substance | 7440-57-5 | 0.176 | 0.00044 |
| KK100 FR LOCK WAFER 6410-02 2 CKT | Component | | 45.5919 | 0.114 |
| PA66 WHITE | Material | | 45.5919 | 0.114 |
| PA66 | Substance | | 38.7531 | 0.0969 |
| Flame Retardant, ISO 1043-4 FR(30) | Substance | | 4.5592 | 0.0114 |
| Further Additives, not to declare | Substance | system | 2.2796 | 0.0057 |

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(2022)4187-DC (10 June 2022)

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 |
|-----------------|--------------------|-----------------|---------------------|---------------------|
|-----------------|--------------------|-----------------|---------------------|---------------------|

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| Substance Group | Substance Location | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|--|--|-----------------|---------------------|---------------------|
| Lead | Cartridge Brass 70% (CA260) | *Note | 350 | 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 | Cartridge Brass 70% (CA260) | *Note | 700,000 | 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 |
| e-plate Au (Hardgold) (electrodeposited Hardgold Coatings) | 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 | Part Name | Part Information |  | Hazardous Substances | | | | | | |
|-------------|-----------------------------------|------------------|---|----------------------|---------|---------|---------------|-----|------|--|
| | | | | Lead | Mercury | Cadmium | Hex. Chromium | PBB | PBDE | |
| 0022124022 | 2.54mm KK Hdr RA FricLK .5Au 2Ckt | | | | | | | | | |
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Additional Information

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

Process Information

| | |
|--------------------------------------|--------|
| Component Plating / Surface Finish | MSn-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 |

Aug 19, 2022

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