

# Product Compliance Declaration

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## Contact Information

**Name** Molex Product Compliance **E-Mail** Product.Compliance@molex.com

## Part Information

**Part Number** 0022112102 **Part Weight** 1.141146G

**Part Name** KK 100 Hdr FrLk Vert 10 Ckt Gold

## Product Composition

| Name                                     | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| KK 100 Hdr FrLk Vert 10 Ckt Gold         | Assembly  |            | 100                  | 1.141146     |
| .560 x .0261 Sq Brass Bando Pin 20SAu    | Assembly  |            | 44.7047              | 0.510146     |
| .560 x .0261 Sq Brass Bando Pin Unplated | Component |            | 42.9393              | 0.49         |
| Cartridge Brass 70% Unplated             | Material  |            | 42.9393              | 0.49         |
| Copper                                   | Substance | 7440-50-8  | 30.0575              | 0.343        |
| Zinc (metal)                             | Substance | 7440-66-6  | 12.8818              | 0.147        |
| Tin Plating                              | Material  |            | 0.4363               | 0.004979     |
| Tin                                      | Substance | 7440-31-5  | 0.4363               | 0.004979     |
| Nickel Plating                           | Material  |            | 1.1392               | 0.013        |
| Nickel                                   | Substance | 7440-02-0  | 1.1391               | 0.012999     |
| Further Additives, not to declare        | Substance | system     | 0.0001               | 0.000001     |
| Gold Plating                             | Material  |            | 0.1899               | 0.002167     |
| Cobalt                                   | Substance | 7440-48-4  | 0.0005               | 0.000005     |

Form Rev - F

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| Name                               | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|------------------------------------|-----------|------------|----------------------|--------------|
| Nickel                             | Substance | 7440-02-0  | 0.0005               | 0.000005     |
| Gold                               | Substance | 7440-57-5  | 0.1889               | 0.002156     |
| KK 100 Header FrLk 10 ckt          | Component |            | 55.2953              | 0.631        |
| PA66 WHITE                         | Material  |            | 55.2953              | 0.631        |
| PA66                               | Substance |            | 47.001               | 0.53635      |
| Flame Retardant, ISO 1043-4 FR(30) | Substance |            | 5.5295               | 0.0631       |
| Further Additives, not to declare  | Substance | system     | 2.7648               | 0.03155      |

## 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(2021)10043-DC (17 Jan 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 |
|-----------------|--------------------|-----------------|---------------------|---------------------|
|-----------------|--------------------|-----------------|---------------------|---------------------|

Form Rev - F

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| Substance Group | Substance Location  | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|-----------------|---|-----------------|---------------------|---------------------|
| Lead            | Cartridge Brass 70% (CA260)                                 | *Note           | 350                 | Yes                 |
| Lead            | e-plate Sn (electrodeposited Tin Coatings, bright and matt) | *Note           | 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 Sn (electrodeposited Tin Coatings, bright and matt) | 44 Concentration within acceptable GADSL limits |


### HFLH Declaration Information

Regulatory Revision IEC 61249-2-21

### Contained Substances Exceeding Threshold

None

### China ROHS Declaration Information

|  |   |                             |         |         |               |     |      |
|--|---|-----------------------------|---------|---------|---------------|-----|------|
| Part Number 0022112102                     |  | <b>Hazardous Substances</b> |         |         |               |     |      |
| Part Name KK 100 Hdr FrLk Vert 10 Ckt Gold |   |                             |         |         |               |     |      |
| Part Information                           |   |                             |         |         |               |     |      |
| Components                                 |   | Lead                        | Mercury | Cadmium | Hex. Chromium | PBB | PBDE |
| KK 100 Hdr FrLk Vert 10 Ckt Gold           |   | ○                           | ○       | ○       | ○             | ○   | ○    |
| .560 x .0261 Sq Brass Bando Pin 20SAu      |   | ○                           | ○       | ○       | ○             | ○   | ○    |
| .560 x .0261 Sq Brass Bando Pin Unplated   |   | ○                           | ○       | ○       | ○             | ○   | ○    |
| KK 100 Header FrLk 10 ckt                  |   | ○                           | ○       | ○       | ○             | ○   | ○    |

Form Rev - F

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## Additional Information

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

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## 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    |

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Form Rev - F

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