

# 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** 0022233034 **Part Weight** 0.39G

**Part Name** KK 100 Hdr Assy Flk Stg Tin 03 Ckt Wht

## Product Composition

| Name                                     | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| KK 100 Hdr Assy Flk Stg Tin 03 Ckt Wht   | Assembly  |            | 100                  | 0.39         |
| KK 100 Hdr Flk 03 Ckt Wht                | Component |            | 58.4615              | 0.228        |
| PBT GF NATURAL                           | Material  |            | 58.4615              | 0.228        |
| PBT                                      | Substance |            | 37.5824              | 0.146571     |
| GF-Fibre                                 | Substance |            | 4.0088               | 0.015634     |
| Flame Retardant, ISO 1043-4 FR(17)       | Substance |            | 12.9451              | 0.050486     |
| Antimonytrioxide                         | Substance | 1309-64-4  | 3.4242               | 0.013354     |
| Further Additives, not to declare        | Substance | system     | 0.5011               | 0.001954     |
| .590 x .0261 Sq Brass Bando Pin Tin      | Assembly  |            | 41.5385              | 0.162        |
| .590 x .0261 Sq Brass Bando Pin Unplated | Component |            | 40                   | 0.156        |
| Cartridge Brass 70% Unplated             | Material  |            | 40                   | 0.156        |
| Copper                                   | Substance | 7440-50-8  | 28                   | 0.1092       |
| Zinc (metal)                             | Substance | 7440-66-6  | 12                   | 0.0468       |

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| Name                              | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|-----------------------------------|-----------|------------|----------------------|--------------|
| Tin Plating                       | Material  |            | 0.6923               | 0.0027       |
| Tin                               | Substance | 7440-31-5  | 0.6923               | 0.0027       |
| Nickel Plating                    | Material  |            | 0.8462               | 0.0033       |
| Nickel                            | Substance | 7440-02-0  | 0.8461               | 0.0033       |
| Further Additives, not to declare | Substance | system     | 8E-05                | 3E-07        |

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## 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(2020)9139-DC (19 Jan 2021)

### Contained Substances Exceeding Threshold

None

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## 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            | e-plate Sn (electrodeposited Tin Coatings, bright and matt) | *Note           | 500                 | Yes                 |

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| Substance Group                          | Substance Location          | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|--|-----------------------------|-----------------|---------------------|---------------------|
| Antimonytrioxide                         | PBT GF NATURAL              | *Note           | 70,000              | 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 NATURAL              | *Note           | 80,000              | 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  |
| 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 NATURAL     | 900             | 250,000             | Yes                 |
| Bromine and Chlorine combined | PBT GF NATURAL     | 1,500           | 250,000             | Yes                 |

### China ROHS Declaration Information

|  |  |   |                             |         |               |     |      |
|--|--|---|-----------------------------|---------|---------------|-----|------|
| Part Number                            | 0022233034                             |  | <b>Hazardous Substances</b> |         |               |     |      |
| Part Name                              | KK 100 Hdr Assy Flk Stg Tin 03 Ckt Wht |   |                             |         |               |     |      |
| Part Information                       |  |   |                             |         |               |     |      |
| Components                             |  | Lead  | Mercury                     | Cadmium | Hex. Chromium | PBB | PBDE |
| KK 100 Hdr Assy Flk Stg Tin 03 Ckt Wht |  | ○   | ○                           | ○       | ○             | ○   | ○    |
| KK 100 Hdr Flk 03 Ckt Wht              |  | ○   | ○                           | ○       | ○             | ○   | ○    |

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| Components                               | Lead | Mercury | Cadmium | Hex. Chromium | PBB | PBDE |
|--|------|---------|---------|---------------|-----|------|
| .590 x .0261 Sq Brass Bando Pin Tin      | ○    | ○       | ○       | ○             | ○   | ○    |
| .590 x .0261 Sq Brass Bando Pin Unplated | ○    | ○       | ○       | ○             | ○   | ○    |

## Process Information

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