

## 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** 0022286050 **Part Weight** 0.372744G

**Part Name** KK 100 Hdr Assy RA Bkwy 05 Ckt Tin

### Product Composition

| Name                                   | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| KK 100 Hdr Assy RA Bkwy 05 Ckt Tin     | Assembly  |            | 100                  | 0.372744     |
| .100 CTR BREAKAWAY- FLAT COMPONENT     | Component |            | 26.2227              | 0.097744     |
| PA46 GF BLACK                          | Material  |            | 26.2227              | 0.097744     |
| PA46                                   | Substance |            | 11.3807              | 0.042421     |
| GF-Fibre                               | Substance |            | 7.8668               | 0.029323     |
| Flame Retardant, ISO 1043-4 FR(17)     | Substance |            | 5.1134               | 0.01906      |
| Antimonytrioxide                       | Substance | 1309-64-4  | 1.4423               | 0.005376     |
| Carbon black                           | Substance | 1333-86-4  | 0.1311               | 0.000489     |
| Further Additives, not to declare      | Substance | system     | 0.2885               | 0.001075     |
| .600 x .0255 Sq Bandolier Pin Tin      | Assembly  |            | 73.7773              | 0.275        |
| .600 x .0255 Sq Bandolier Pin Unplated | Component |            | 72.4359              | 0.27         |
| Cartridge Brass 70% Unplated           | Material  |            | 72.4359              | 0.27         |
| Copper                                 | Substance | 7440-50-8  | 50.7051              | 0.189        |

Form Rev - F

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| Name                              | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|-----------------------------------|-----------|------------|----------------------|--------------|
| Zinc (metal)                      | Substance | 7440-66-6  | 21.7308              | 0.081        |
| Nickel Plating                    | Material  |            | 0.0547               | 0.000204     |
| Nickel                            | Substance | 7440-02-0  | 0.0547               | 0.000204     |
| Further Additives, not to declare | Substance | system     | 5E-06                | 2E-08        |
| Tin Plating                       | Material  |            | 1.2867               | 0.004796     |
| Tin                               | Substance | 7440-31-5  | 1.2867               | 0.004796     |

## 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                 |

Form Rev - F

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| Substance Group                          | Substance Location          | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|--|-----------------------------|-----------------|---------------------|---------------------|
| lead                                     |                             | *Note           | 500                 | Yes                 |
| nickel powder [particle diameter < 1 mm] | Ep-Ni                       | *Note           | 997,500             | Yes                 |
| copper                                   | Cartridge Brass 70% (CA260) | *Note           | 700,000             | Yes                 |
| Antimonytrioxide                         | PA46 GF BLACK               | *Note           | 55,000              | Yes                 |
| glass, oxide, chemicals                  | PA46 GF BLACK               | *Note           | 300,000             | 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     | PA46 GF BLACK      | 900             | 195,000             | Yes                 |
| Bromine and Chlorine combined | PA46 GF BLACK      | 1,500           | 195,000             | Yes                 |

## China ROHS Declaration Information

|  |   |                             |         |               |     |      |
|--|---|-----------------------------|---------|---------------|-----|------|
| Part Number 0022286050                       |  | <b>Hazardous Substances</b> |         |               |     |      |
| Part Name KK 100 Hdr Assy RA Bkwy 05 Ckt Tin |   |                             |         |               |     |      |
| Part Information                             |   |                             |         |               |     |      |
| Components                                   | Lead  | Mercury                     | Cadmium | Hex. Chromium | PBB | PBDE |
| KK 100 Hdr Assy RA Bkwy 05 Ckt Tin           | ○   | ○                           | ○       | ○             | ○   | ○    |

Form Rev - F

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| Components                             | Lead | Mercury | Cadmium | Hex. Chromium | PBB | PBDE |
|--|------|---------|---------|---------------|-----|------|
| .100 CTR BREAKAWAY- FLAT COMPONENT     | O    | O       | O       | O             | O   | O    |
| .600 x .0255 Sq Bandolier Pin Tin      | O    | O       | O       | O             | O   | O    |
| .600 x .0255 Sq Bandolier Pin Unplated | O    | O       | O       | O             | O   | O    |

## Process Information

|                                      |          |
|--------------------------------------|----------|
| Component Plating / Surface Finish   | BSn-Ni   |
| Termination Base Alloy               | P-Bronze |
| 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      |

Mar 24, 2021

Form Rev - F

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