

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 0022286020 **Part Weight** 0.158838G

Part Name KK 100 Hdr Assy RA Bkwy 02 Ckt Tin

Product Composition

| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| KK 100 Hdr Assy RA Bkwy 02 Ckt Tin | Assembly | | 100 | 0.158838 |
| .100 CTR BREAKAWAY- FLAT COMPONENT | Component | | 30.7469 | 0.048838 |
| PA46 GF BLACK | Material | | 30.7469 | 0.048838 |
| PA46 | Substance | | 13.3441 | 0.021196 |
| GF-Fibre | Substance | | 9.2241 | 0.014651 |
| Flame Retardant, ISO 1043-4 FR(17) | Substance | | 5.9956 | 0.009523 |
| Antimonytrioxide | Substance | 1309-64-4 | 1.6911 | 0.002686 |
| Carbon black | Substance | 1333-86-4 | 0.1537 | 0.000244 |
| Further Additives, not to declare | Substance | system | 0.3382 | 0.000537 |
| .600 x .0255 Sq Bandolier Pin Tin | Assembly | | 69.2531 | 0.11 |
| .600 x .0255 Sq Bandolier Pin Unplated | Component | | 67.994 | 0.108 |
| Cartridge Brass 70% Unplated | Material | | 67.994 | 0.108 |
| Copper | Substance | 7440-50-8 | 47.5958 | 0.0756 |

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| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|-----------------------------------|-----------|------------|----------------------|--------------|
| Zinc (metal) | Substance | 7440-66-6 | 20.3982 | 0.0324 |
| Nickel Plating | Material | | 0.0514 | 0.000082 |
| Nickel | Substance | 7440-02-0 | 0.0514 | 0.000082 |
| Further Additives, not to declare | Substance | system | 5E-06 | 8E-09 |
| Tin Plating | Material | | 1.2078 | 0.001918 |
| Tin | Substance | 7440-31-5 | 1.2078 | 0.001918 |

ROHS Declaration Information

Regulatory Revision EU 2015/863

Compliance Status Compliant

Contained Substances Exceeding Threshold

None

Exemptions

None

REACH-SVHC Declaration Information

Regulatory Revision ED/71/2019 (16 July 2019)

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 |

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| Substance Group | Substance Location | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|--|---|-----------------|---------------------|---------------------|
| lead | e-plate Sn (electrodeposited Tin Coatings, bright and matt) | *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 |
| 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 | 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 0022286020 |  | Hazardous Substances | | | | | |
| Part Name KK 100 Hdr Assy RA Bkwy 02 Ckt Tin | | | | | | | |
| Part Information | | | | | | | |
| Components | | Lead | Mercury | Cadmium | Hex. Chromium | PBB | PBDE |
| KK 100 Hdr Assy RA Bkwy 02 Ckt Tin | | ○ | ○ | ○ | ○ | ○ | ○ |

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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 |

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