

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 0347084011 **Part Weight** 31.244112G

Part Name STAC64 RAHDR 4BAY 50CKT 16B-16A-08A-10A

Product Composition

| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|---|-----------|------------|----------------------|--------------|
| STAC64 RAHDR 4BAY 50CKT 16B-16A-08A-10A | Assembly | | 100 | 31.244112 |
| STAC64 RA HDR 16 CKT GRY POL B TRAY | Assembly | | 24.1133 | 7.534 |
| STAC64 RA HDR HOUSING 16 CKT GRY POL B | Component | | 18.2242 | 5.694 |
| PS-ST GF30 | Material | | 18.2242 | 5.694 |
| PS-ST | Substance | | 10.6953 | 3.341666 |
| GF-Fibre | Substance | | 5.4445 | 1.701082 |
| Pigment portion, not to declare | Substance | system | 0.2232 | 0.069752 |
| Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated | Substance | 66070-58-4 | 1.2404 | 0.387551 |
| Further Additives, not to declare | Substance | system | 0.6208 | 0.193949 |
| 0.64 X 34.93 SQ PIN BRASS REFLOW SN | Component | | 3.2006 | 1 |
| SQ WIRE C26000 PL 0.625 X 0.625 | Material | | 3.2006 | 1 |
| Cartridge Brass 70% Unplated | Material | | 3.1349 | 0.97946 |
| Copper | Substance | 7440-50-8 | 2.1944 | 0.685622 |

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| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| Zinc (metal) | Substance | 7440-66-6 | 0.9405 | 0.293838 |
| Copper Plating | Material | | 0.0063 | 0.001962 |
| Copper | Substance | 7440-50-8 | 0.0063 | 0.001962 |
| Tin Plating | Material | | 0.0343 | 0.010729 |
| Tin | Substance | 7440-31-5 | 0.0343 | 0.010729 |
| Nickel Plating | Material | | 0.0251 | 0.007849 |
| Nickel | Substance | 7440-02-0 | 0.0251 | 0.007848 |
| Further Additives, not to declare | Substance | system | 3E-06 | 8E-07 |
| 0.64 X 29.86 SQ PIN BRASS REFLOW SN | Component | | 2.5349 | 0.792 |
| SQ WIRE C26000 PL 0.625 X 0.625 | Material | | 2.5349 | 0.792 |
| Cartridge Brass 70% Unplated | Material | | 2.4828 | 0.775732 |
| Copper | Substance | 7440-50-8 | 1.738 | 0.543013 |
| Zinc (metal) | Substance | 7440-66-6 | 0.7448 | 0.23272 |
| Copper Plating | Material | | 0.005 | 0.001554 |
| Copper | Substance | 7440-50-8 | 0.005 | 0.001554 |
| Tin Plating | Material | | 0.0272 | 0.008497 |
| Tin | Substance | 7440-31-5 | 0.0272 | 0.008497 |
| Nickel Plating | Material | | 0.0199 | 0.006216 |
| Nickel | Substance | 7440-02-0 | 0.0199 | 0.006216 |
| Further Additives, not to declare | Substance | system | 2E-06 | 6E-07 |
| PIN ALIGNMENT PLATE-16CKT STAC64 | Component | | 0.1536 | 0.048 |
| PET ST MYLAR 0.25 X 26.86 | Material | | 0.1536 | 0.048 |
| Polyethylene terephthalate | Substance | 25038-59-9 | 0.1495 | 0.046704 |
| Further Additives, not to declare | Substance | system | 0.0041 | 0.001296 |
| STAC64 RA HDR 16 CKT BLK POL A TRAY | Assembly | | 24.1133 | 7.534 |
| STAC64 RA HDR HOUSING 16 CKT BLK POL A | Component | | 18.2242 | 5.694 |
| PS-ST GF30 Black | Material | | 18.2242 | 5.694 |
| PS-ST | Substance | | 10.6503 | 3.327596 |
| GF-Fibre | Substance | | 5.4994 | 1.718233 |

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| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|---|-----------|------------|----------------------|--------------|
| Pigment portion, not to declare | Substance | system | 0.1209 | 0.037763 |
| Further Additives, not to declare | Substance | system | 0.5628 | 0.175836 |
| Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated | Substance | 66070-58-4 | 1.3909 | 0.434572 |
| 0.64 X 34.93 SQ PIN BRASS REFLOW SN | Component | | 3.2006 | 1 |
| SQ WIRE C26000 PL 0.625 X 0.625 | Material | | 3.2006 | 1 |
| Cartridge Brass 70% Unplated | Material | | 3.1349 | 0.97946 |
| Copper | Substance | 7440-50-8 | 2.1944 | 0.685622 |
| Zinc (metal) | Substance | 7440-66-6 | 0.9405 | 0.293838 |
| Copper Plating | Material | | 0.0063 | 0.001962 |
| Copper | Substance | 7440-50-8 | 0.0063 | 0.001962 |
| Tin Plating | Material | | 0.0343 | 0.010729 |
| Tin | Substance | 7440-31-5 | 0.0343 | 0.010729 |
| Nickel Plating | Material | | 0.0251 | 0.007849 |
| Nickel | Substance | 7440-02-0 | 0.0251 | 0.007848 |
| Further Additives, not to declare | Substance | system | 3E-06 | 8E-07 |
| 0.64 X 29.86 SQ PIN BRASS REFLOW SN | Component | | 2.5349 | 0.792 |
| SQ WIRE C26000 PL 0.625 X 0.625 | Material | | 2.5349 | 0.792 |
| Cartridge Brass 70% Unplated | Material | | 2.4828 | 0.775732 |
| Copper | Substance | 7440-50-8 | 1.738 | 0.543013 |
| Zinc (metal) | Substance | 7440-66-6 | 0.7448 | 0.23272 |
| Copper Plating | Material | | 0.005 | 0.001554 |
| Copper | Substance | 7440-50-8 | 0.005 | 0.001554 |
| Tin Plating | Material | | 0.0272 | 0.008497 |
| Tin | Substance | 7440-31-5 | 0.0272 | 0.008497 |
| Nickel Plating | Material | | 0.0199 | 0.006216 |
| Nickel | Substance | 7440-02-0 | 0.0199 | 0.006216 |
| Further Additives, not to declare | Substance | system | 2E-06 | 6E-07 |
| PIN ALIGNMENT PLATE-16CKT STAC64 | Component | | 0.1536 | 0.048 |

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| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|---|-----------|------------|----------------------|--------------|
| PET ST MYLAR 0.25 X 26.86 | Material | | 0.1536 | 0.048 |
| Polyethylene terephthalate | Substance | 25038-59-9 | 0.1495 | 0.046704 |
| Further Additives, not to declare | Substance | system | 0.0041 | 0.001296 |
| STAC64 RA HDR 8 CKT BLK POL A TRAY | Assembly | | 16.5535 | 5.172 |
| STAC64 RA HDR HOUSING 8 CKT BLK POL A | Component | | 13.5001 | 4.218 |
| PS-ST GF30 Black | Material | | 13.5001 | 4.218 |
| PS-ST | Substance | | 7.8895 | 2.465016 |
| GF-Fibre | Substance | | 4.0738 | 1.272832 |
| Pigment portion, not to declare | Substance | system | 0.0895 | 0.027974 |
| Further Additives, not to declare | Substance | system | 0.4169 | 0.130256 |
| Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated | Substance | 66070-58-4 | 1.0303 | 0.321922 |
| 0.64 X 34.93 SQ PIN BRASS REFLOW SN | Component | | 1.6003 | 0.5 |
| SQ WIRE C26000 PL 0.625 X 0.625 | Material | | 1.6003 | 0.5 |
| Cartridge Brass 70% Unplated | Material | | 1.5674 | 0.48973 |
| Copper | Substance | 7440-50-8 | 1.0972 | 0.342811 |
| Zinc (metal) | Substance | 7440-66-6 | 0.4702 | 0.146919 |
| Copper Plating | Material | | 0.0031 | 0.000981 |
| Copper | Substance | 7440-50-8 | 0.0031 | 0.000981 |
| Tin Plating | Material | | 0.0172 | 0.005365 |
| Tin | Substance | 7440-31-5 | 0.0172 | 0.005365 |
| Nickel Plating | Material | | 0.0126 | 0.003925 |
| Nickel | Substance | 7440-02-0 | 0.0126 | 0.003924 |
| Further Additives, not to declare | Substance | system | 1E-06 | 4E-07 |
| 0.64 X 29.86 SQ PIN BRASS REFLOW SN | Component | | 1.2674 | 0.396 |
| SQ WIRE C26000 PL 0.625 X 0.625 | Material | | 1.2674 | 0.396 |
| Cartridge Brass 70% Unplated | Material | | 1.2414 | 0.387866 |
| Copper | Substance | 7440-50-8 | 0.869 | 0.271506 |
| Zinc (metal) | Substance | 7440-66-6 | 0.3724 | 0.11636 |

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| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|---|-----------|------------|----------------------|--------------|
| Copper Plating | Material | | 0.0025 | 0.000777 |
| Copper | Substance | 7440-50-8 | 0.0025 | 0.000777 |
| Tin Plating | Material | | 0.0136 | 0.004249 |
| Tin | Substance | 7440-31-5 | 0.0136 | 0.004249 |
| Nickel Plating | Material | | 0.0099 | 0.003108 |
| Nickel | Substance | 7440-02-0 | 0.0099 | 0.003108 |
| Further Additives, not to declare | Substance | system | 1E-06 | 3E-07 |
| PIN ALIGNMENT PLATE-8CKT STAC64 | Component | | 0.1856 | 0.058 |
| ST MYLAR 0.25 X 16.70 PET NATURAL | Material | | 0.1856 | 0.058 |
| PET | Material | | 0.1856 | 0.058 |
| Polyethylene terephthalate | Substance | 25038-59-9 | 0.1806 | 0.056434 |
| Further Additives, not to declare | Substance | system | 0.005 | 0.001566 |
| POWERSTAC RAHDR 10 CKT BLK POL A TRAY | Assembly | | 35.2198 | 11.004112 |
| POWERSTAC RAHDR HOUSING 10 CKT BLK POL A | Component | | 21.1816 | 6.618 |
| PS-ST GF30 Black | Material | | 21.1816 | 6.618 |
| PS-ST | Substance | | 12.3786 | 3.867586 |
| GF-Fibre | Substance | | 6.3918 | 1.997061 |
| Pigment portion, not to declare | Substance | system | 0.1405 | 0.043891 |
| Further Additives, not to declare | Substance | system | 0.6541 | 0.20437 |
| Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated | Substance | 66070-58-4 | 1.6166 | 0.505092 |
| 1.50 X 36.44 SOLDERTAIL BLADE REFLOW SN | Component | | 7.0481 | 2.202112 |
| HSM Copper Unplated | Material | | 6.9901 | 2.184 |
| Copper | Substance | 7440-50-8 | 6.8105 | 2.12788 |
| Iron | Substance | 7439-89-6 | 0.1648 | 0.051492 |
| Phosphorus | Substance | 7723-14-0 | 0.0059 | 0.001848 |
| Zinc (metal) | Substance | 7440-66-6 | 0.0089 | 0.00278 |
| Nickel Plating | Material | | 0.0176 | 0.005512 |
| Nickel | Substance | 7440-02-0 | 0.0176 | 0.005512 |

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| Name | Type | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| Further Additives, not to declare | Substance | system | 2E-06 | 6E-07 |
| Tin Plating | Material | | 0.0403 | 0.0126 |
| Tin | Substance | 7440-31-5 | 0.0403 | 0.0126 |
| 2.80 X 27.49 DUAL TAIL BLADE REFLOW SN | Component | | 6.6701 | 2.084 |
| HSM Copper Unplated | Material | | 6.6188 | 2.068 |
| Copper | Substance | 7440-50-8 | 6.4488 | 2.014861 |
| Iron | Substance | 7439-89-6 | 0.1561 | 0.048757 |
| Phosphorus | Substance | 7723-14-0 | 0.0056 | 0.00175 |
| Zinc (metal) | Substance | 7440-66-6 | 0.0084 | 0.002633 |
| Nickel Plating | Material | | 0.0166 | 0.0052 |
| Nickel | Substance | 7440-02-0 | 0.0166 | 0.005199 |
| Further Additives, not to declare | Substance | system | 2E-06 | 5E-07 |
| Tin Plating | Material | | 0.0346 | 0.0108 |
| Tin | Substance | 7440-31-5 | 0.0346 | 0.0108 |
| PIN ALIGNMENT PLATE-10CKT POWRSTAC | Component | | 0.3201 | 0.1 |
| PET ST MYLAR 0.25 X 31.94 | Material | | 0.3201 | 0.1 |
| Polyethylene terephthalate | Substance | 25038-59-9 | 0.3114 | 0.0973 |
| Further Additives, not to declare | Substance | system | 0.0086 | 0.0027 |

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

GADSL Declaration Information

Regulatory Revision GADSL imported from IMDS

Contained Substances Exceeding Threshold

| Substance Group | Substance Location | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|--|---|-----------------|---------------------|---------------------|
| lead | High Copper Alloy | *Note | 138.02 | Yes |
| lead | e-plate Sn (electrodeposited Tin Coatings, bright and matt) | *Note | 150 | Yes |
| styrene | PS-ST GF30 Black | *Note | 700 | Yes |
| nickel powder [particle diameter < 1 mm] | Ep-Ni | *Note | 997,500 | Yes |
| copper | High Copper Alloy | *Note | 974,600.55 | Yes |
| copper | e-plate Cu (electrodeposited Copper Coatings) | *Note | 999,625 | Yes |
| glass, oxide, chemicals | PS-ST GF30 Black | *Note | 300,000 | Yes |
| glass, oxide, chemicals | PS-ST GF30 | *Note | 320,000 | Yes |
| lead | Cartridge Brass 70% (CA260) | *Note | 350 | 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 |
|---|---|
| High Copper Alloy | 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/cm ² /week) |
| Cartridge Brass 70% (CA260) | 44 Concentration within acceptable GADSL limits |

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HFLH Declaration Information

Regulatory Revision IEC 61249-2-21

Contained Substances Exceeding Threshold

None

China ROHS Declaration Information

| Part Number 0347084011 |  | Hazardous Substances | | | | |
|--|---|-----------------------------|---------|---------------|-----|------|
| Part Name STAC64 RAHDR 4BAY 50CKT 16B-16A-08A-10A | | | | | | |
| Part Information | | | | | | |
| Components | Lead | Mercury | Cadmium | Hex. Chromium | PBB | PBDE |
| STAC64 RAHDR 4BAY 50CKT 16B-16A-08A-10A | ○ | ○ | ○ | ○ | ○ | ○ |
| STAC64 RA HDR 16 CKT GRY POL B TRAY | ○ | ○ | ○ | ○ | ○ | ○ |
| STAC64 RA HDR HOUSING 16 CKT GRY POL B | ○ | ○ | ○ | ○ | ○ | ○ |
| 0.64 X 34.93 SQ PIN BRASS REFLOW SN | ○ | ○ | ○ | ○ | ○ | ○ |
| 0.64 X 29.86 SQ PIN BRASS REFLOW SN | ○ | ○ | ○ | ○ | ○ | ○ |
| PIN ALIGNMENT PLATE-16CKT STAC64 | ○ | ○ | ○ | ○ | ○ | ○ |
| STAC64 RA HDR 16 CKT BLK POL A TRAY | ○ | ○ | ○ | ○ | ○ | ○ |
| STAC64 RA HDR HOUSING 16 CKT BLK POL A | ○ | ○ | ○ | ○ | ○ | ○ |
| 0.64 X 34.93 SQ PIN BRASS REFLOW SN | ○ | ○ | ○ | ○ | ○ | ○ |
| 0.64 X 29.86 SQ PIN BRASS REFLOW SN | ○ | ○ | ○ | ○ | ○ | ○ |
| PIN ALIGNMENT PLATE-16CKT STAC64 | ○ | ○ | ○ | ○ | ○ | ○ |
| STAC64 RA HDR 8 CKT BLK POL A TRAY | ○ | ○ | ○ | ○ | ○ | ○ |
| STAC64 RA HDR HOUSING 8 CKT BLK POL A | ○ | ○ | ○ | ○ | ○ | ○ |
| 0.64 X 34.93 SQ PIN BRASS REFLOW SN | ○ | ○ | ○ | ○ | ○ | ○ |
| 0.64 X 29.86 SQ PIN BRASS REFLOW SN | ○ | ○ | ○ | ○ | ○ | ○ |
| PIN ALIGNMENT PLATE-8CKT STAC64 | ○ | ○ | ○ | ○ | ○ | ○ |
| POWERSTAC RAHDR 10 CKT BLK POL A TRAY | ○ | ○ | ○ | ○ | ○ | ○ |
| POWERSTAC RAHDR HOUSING 10 CKT BLK POL A | ○ | ○ | ○ | ○ | ○ | ○ |

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| Components | Lead | Mercury | Cadmium | Hex. Chromium | PBB | PBDE |
|---|------|---------|---------|---------------|-----|------|
| 1.50 X 36.44 SOLDERTAIL BLADE REFLOW SN | O | O | O | O | O | O |
| 2.80 X 27.49 DUAL TAIL BLADE REFLOW SN | O | O | O | O | O | O |
| PIN ALIGNMENT PLATE-10CKT POWRSTAC | O | O | O | O | O | O |

Process Information

| | |
|--------------------------------------|---------|
| Component Plating / Surface Finish | MSn-RNi |
| Termination Base Alloy | Brass |
| Solder Alloy | N/A |
| Process Capability | WAVE |
| Maximum Exposure Time (seconds) | 040 |
| Maximum Process Temperature (C) | 260 |
| Maximum Cycles at Reflow Temperature | 003 |
| J-STD-020 Moisture Sensitivity Level | N/A |

Mar 24, 2021

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