

# Product Compliance Declaration

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## Contact Information

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

## Part Information

**Part Number** 1600740003 **Part Weight** 26.076G

**Part Name** MX150UL ASSY RCPT 2X10 DKGY C/20

## Product Composition

| Name                                   | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| MX150UL ASSY RCPT 2X10 DKGY C/20       | Assembly  |            | 100                  | 26.076       |
| MX150UL RCPT HSNG 2X10 DKGRAY C        | Component |            | 59.0581              | 15.4         |
| PA6 GF DARK GRAY                       | Material  |            | 59.0581              | 15.4         |
| PA6                                    | Substance |            | 25.0407              | 6.5296       |
| GF-Fibre                               | Substance |            | 17.7174              | 4.62         |
| Further Additives, not to declare      | Substance | system     | 2.067                | 0.539        |
| Carbon black                           | Substance | 1333-86-4  | 0.3248               | 0.0847       |
| Antimonytrioxide                       | Substance | 1309-64-4  | 2.067                | 0.539        |
| Flame Retardant, ISO 1043-4 FR(17)     | Substance |            | 11.5163              | 3.003        |
| Pigment portion, not to declare        | Substance | system     | 0.3248               | 0.0847       |
| MX150 1.5 RCPT GROM CAP 20CKT 2X10 BLK | Component |            | 10.642               | 2.775        |
| PA66+PS-GF20 BLACK                     | Material  |            | 10.642               | 2.775        |
| PS                                     | Substance |            | 2.3412               | 0.6105       |

Form Rev - F

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| Name   | Type      | CAS Number | Proportion (% Total) | Mass (Grams) |
|--|-----------|------------|----------------------|--------------|
| PA66   | Substance |            | 5.7467               | 1.4985       |
| GF-Fibre   | Substance |            | 2.1284               | 0.555        |
| Pigment portion, not to declare                                  | Substance | system     | 0.0319               | 0.008325     |
| Further Additives, not to declare                                | Substance | system     | 0.3938               | 0.102675     |
| MX150UL RCPT PLR 2X10 ASH GRY                                    | Component |            | 20.4403              | 5.33         |
| PA6 GF ASH GRAY  | Material  |            | 20.4403              | 5.33         |
| PA6  | Substance |            | 8.554                | 2.230552     |
| GF-Fibre   | Substance |            | 6.1321               | 1.599        |
| Antimonytrioxide   | Substance | 1309-64-4  | 1.1242               | 0.29315      |
| Carbon black   | Substance | 1333-86-4  | 0.1022               | 0.02665      |
| Flame Retardant, ISO 1043-4 FR(17)                               | Substance |            | 3.9858               | 1.03935      |
| Cobalt titanite green spinel                                     | Substance | 68186-85-6 | 0.0002               | 0.000053     |
| Pigment portion, not to declare                                  | Substance | system     | 0.327                | 0.08528      |
| Further Additives, not to declare                                | Substance | system     | 0.2146               | 0.055965     |
| MX MATTE SEAL RCPT CKT X LTBLUE                                  | Component |            | 7.7504               | 2.021        |
| VMQ  | Material  |            | 7.7504               | 2.021        |
| VMQ  | Substance |            | 4.5185               | 1.178243     |
| Siloxanes and Silicones, di-Me, Me vinyl, vinyl group-terminated | Substance | 68083-18-1 | 3.0227               | 0.78819      |
| Silicon dioxide  | Substance | 7631-86-9  | 0.0388               | 0.010105     |
| Siloxanes and silicones, di-Me, Me Ph                            | Substance | 63148-52-7 | 0.1008               | 0.026273     |
| Dimethylsilicone   | Substance | 63148-62-9 | 0.0194               | 0.005052     |
| Cobalt-aluminate-blue-spinel                                     | Substance | 1345-16-0  | 0.0194               | 0.005052     |
| Titanium-dioxide   | Substance | 13463-67-7 | 0.031                | 0.008084     |
| MX PERIPHERAL SEAL CKT X   | Component |            | 2.1092               | 0.55         |
| VMQ  | Material  |            | 2.1092               | 0.55         |
| VMQ  | Substance |            | 2.0776               | 0.54175      |
| Chromium(III)oxide   | Substance | 1308-38-9  | 0.0127               | 0.0033       |
| Siloxanes and silicones, di-Me, vinyl group-terminated           | Substance | 68083-19-2 | 0.019                | 0.00495      |

Form Rev - F

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## HFLH Declaration Information

Regulatory Revision IEC 61249-2-21

### Contained Substances Exceeding Threshold

Not reviewed

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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(2021)4569-DC (8 July 2021)

### Contained Substances Exceeding Threshold

| Substance Group  | Substance Location            | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|--|-------------------------------|-----------------|---------------------|---------------------|
| Decamethylcyclopentasiloxane   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Disodium 3,3'-[[1,1'-Biphenyl]-4,4'-Diylbis(Azo)]Bis(4-Aminonaphthalene-1- | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| 1,2-diethoxyethane   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Dibutyltin-dichloride  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| C.I. Direct Black 38   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Disodium-octaborate  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Dibutylbis(pentane-2,4-dionato-O,O')tin                                    | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| 2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol                | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |

Form Rev - F

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| Substance Group  | Substance Location            | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|--|-------------------------------|-----------------|---------------------|---------------------|
| 1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear                               | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| diisohexyl phthalate   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear                              | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| n-pentyl-isopentylphthalate  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Aluminosilicate Refractory Ceramic Fibres  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Zirconia Aluminosilicate Refractory Ceramic Fibres   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-          | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Fluoranthene   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Pyrene   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Diocytlin dilaurate, stannane, dioctyl-, bis(cocoacyloxy) derivs., and any other stannane,     | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-                                  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Methylhexahydrophthalic anhydride  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-                   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| bis(2-(2-methoxyethoxy)ethyl) ether  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Fatty Acids, C16-18, Lead Salts  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| [Phthalato(2-)]dioxotrilead  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Tetralead-trioxide-sulphate  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Trilead-dioxide-phosphonate  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Lead oxide sulfate (Pb <sub>2</sub> O(SO <sub>4</sub> ))                                       | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Lead-dinitrate   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| pyrochlore, antimony lead yellow   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Cadmium  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Cadmium-sulphide   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Cadmium-oxide  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Decabromodiphenylether   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| 1,2-bis(2-methoxyethoxy)ethane   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| 1,2-Dimethoxyethane  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Pentazinc-chromate-octahydroxide   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| 1,2-Benzenedicarboxylic acid, di-C <sub>6</sub> -8-branched alkyl esters, C <sub>7</sub> -rich | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |

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| Substance Group   | Substance Location            | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|---|-------------------------------|-----------------|---------------------|---------------------|
| 1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Strontium-chromate  | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Boric acid, disodium salt, hydrate                                      | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Tris(2-chloroethyl) phosphate   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |
| Lead sulfochromate yellow   | MX150UL RCPT PLR 2X10 ASH GRY | 1,000           | 2,000               | Impurity            |

## GADSL Declaration Information

**Regulatory Revision** GADSL imported from IMDS

### Contained Substances Exceeding Threshold

| Substance Group              | Substance Location | Threshold (PPM) | Concentration (PPM) | Intentionally Added |
|------------------------------|--------------------|-----------------|---------------------|---------------------|
| Cobalt-aluminate-blue-spinel | VMQ                | *Note           | 2,500               | Yes                 |
| Cobalt titanite green spinel | PA6 GF ASH GRAY    | *Note           | 10                  | Yes                 |
| glass, oxide, chemicals      | PA6 GF DARK GRAY   | *Note           | 330,000             | Yes                 |
| glass, oxide, chemicals      | PA6 GF ASH GRAY    | *Note           | 300,000             | Yes                 |
| Antimonytrioxide             | PA6 GF DARK GRAY   | *Note           | 50,000              | Yes                 |
| Antimonytrioxide             | PA6 GF ASH GRAY    | *Note           | 55,000              | Yes                 |

**\*Note:** For GADSL substance declarable/prohibited threshold values, please reference <http://www.gadsl.org/>

### Exemptions

None

## 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   | N/A |
| Termination Base Alloy               | N/A |
| Solder Alloy                         | N/A |
| Process Capability                   | N/A |
| Maximum Exposure Time (seconds)      | N/A |
| Maximum Process Temperature (C)      | N/A |
| Maximum Cycles at Reflow Temperature | N/A |
| J-STD-020 Moisture Sensitivity Level | N/A |

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Form Rev - F

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