

# Product Compliance Declaration

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## Contact Information

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

## Part Information

**Part Number** 1600746006 **Part Weight** 18.659G

**Part Name** MX150UL ASSY RCPT 2X6 CPA BLK A/12

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
MX150UL ASSY RCPT 2X6 CPA BLK A/12	Assembly		100	18.659
MX150 UL V0 REC 2X6 SEALED HSG BLACK A	Component		60.3462	11.26
PA6 GF BLACK	Material		60.3462	11.26
PA6	Substance		25.9187	4.83617
GF-Fibre	Substance		18.1039	3.378
Further Additives, not to declare	Substance	system	2.1121	0.3941
Carbon black	Substance	1333-86-4	0.3319	0.06193
Antimonytrioxide	Substance	1309-64-4	2.1121	0.3941
Flame Retardant, ISO 1043-4 FR(17)	Substance		11.7675	2.1957
MX150 UL V0 Receptacle 2x6 TPA, Ash gray	Component		18.5969	3.47
PA6 GF ASH GRAY	Material		18.5969	3.47
PA6	Substance		7.7826	1.45216
GF-Fibre	Substance		5.5791	1.041

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
Antimonytrioxide	Substance	1309-64-4	1.0228	0.19085
Carbon black	Substance	1333-86-4	0.093	0.01735
Flame Retardant, ISO 1043-4 FR(17)	Substance		3.6264	0.67665
Cobalt titanite green spinel	Substance	68186-85-6	0.0002	0.000035
Pigment portion, not to declare	Substance	system	0.2976	0.05552
Further Additives, not to declare	Substance	system	0.1953	0.036435
MX150 1.5 RCPT GROM CAP 12CKT 2X6 BLK	Component		9.5879	1.789
PA66+PS-GF20 BLACK	Material		9.5879	1.789
PS	Substance		2.1093	0.39358
PA66	Substance		5.1774	0.96606
GF-Fibre	Substance		1.9176	0.3578
Pigment portion, not to declare	Substance	system	0.0288	0.005367
Further Additives, not to declare	Substance	system	0.3548	0.066193
MX MATTE SEAL RCPT CKT X LTBLUE	Component		6.7528	1.26
VMQ	Material		6.7528	1.26
VMQ	Substance		3.9369	0.73458
Siloxanes and Silicones, di-Me, Me vinyl, vinyl group-terminated	Substance	68083-18-1	2.6336	0.4914
Silicon dioxide	Substance	7631-86-9	0.0338	0.0063
Siloxanes and silicones, di-Me, Me Ph	Substance	63148-52-7	0.0878	0.01638
Dimethylsilicone	Substance	63148-62-9	0.0169	0.00315
Cobalt-aluminate-blue-spinel	Substance	1345-16-0	0.0169	0.00315
Titanium-dioxide	Substance	13463-67-7	0.027	0.00504
MX PERIPHERAL SEAL CKT X	Component		2.6797	0.5
VMQ	Material		2.6797	0.5
Siloxanes and Silicones, di-Me, Me vinyl, vinyl group-terminated	Substance	68083-18-1	0.7235	0.135
Silicon dioxide	Substance	7631-86-9	0.0429	0.008
Siloxanes and silicones, di-Me, Me Ph	Substance	63148-52-7	0.0482	0.009
Dimethylsilicone	Substance	63148-62-9	0.0054	0.001

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
VMQ	Substance		1.7096	0.319
Cerium-tetrahydroxide	Substance	12014-56-1	0.0107	0.002
Nepheline syenite	Substance	37244-96-5	0.1206	0.0225
Chromium(III)oxide	Substance	1308-38-9	0.0188	0.0035
MX150 CPA	Component		2.0366	0.38
PBT GF30	Material		2.0366	0.38
PBT	Substance		1.4093	0.26296
GF-Fibre	Substance		0.611	0.114
Further Additives, not to declare	Substance	system	0.0061	0.00114
Pigment portion, not to declare	Substance	system	0.0102	0.0019

## 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(2021)4569-DC (8 July 2021)

### Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Decamethylcyclopentasiloxane	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Disodium 3,3'-[[1,1'-Biphenyl]-4,4'-Diylbis(Azo)]Bis(4-Aminonaphthalene-1-	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
1,2-diethoxyethane	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Dibutyltin-dichloride	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
C.I. Direct Black 38	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Disodium-octaborate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Dibutylbis(pentane-2,4-dionato-O,O')tin	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
2-(2H-Benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
diisohexyl phthalate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
n-pentyl-isopentylphthalate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Aluminosilicate Refractory Ceramic Fibres	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Zirconia Aluminosilicate Refractory Ceramic Fibres	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Fluoranthene	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Pyrene	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Dioctyltin dilaurate, stannane, dioctyl-, bis(cocoacyloxy) derivs., and any other stannane,	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	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-	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Methylhexahydrophthalic anhydride	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
bis(2-(2-methoxyethoxy)ethyl) ether	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Fatty Acids, C16-18, Lead Salts	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
[Phthalato(2-)]dioxotrilead	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Tetralead-trioxide-sulphate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Trilead-dioxide-phosphonate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Lead oxide sulfate (Pb <sub>2</sub> O(SO <sub>4</sub> ))	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Lead-dinitrate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
pyrochlore, antimony lead yellow	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Cadmium	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Cadmium-sulphide	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Cadmium-oxide	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Decabromodiphenylether	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
1,2-bis(2-methoxyethoxy)ethane	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
1,2-Dimethoxyethane	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Pentazinc-chromate-octahydroxide	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Strontium-chromate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Boric acid, disodium salt, hydrate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Tris(2-chloroethyl) phosphate	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	1,000	2,000	Impurity
Lead sulfochromate yellow	MX150 UL V0 Receptacle 2x6 TPA, Ash gray	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
Antimonytrioxide	PA6 GF ASH GRAY	*Note	55,000	Yes
Antimonytrioxide	PA6 GF BLACK	*Note	50,000	Yes
Cerium-tetrahydroxide	VMQ	*Note	4,000	Yes
glass, oxide, chemicals	PA6 GF ASH GRAY	*Note	300,000	Yes
glass, oxide, chemicals	PA6 GF BLACK	*Note	330,000	Yes
Cobalt titanite green spinel	PA6 GF ASH GRAY	*Note	10	Yes
Cobalt-aluminate-blue-spinel	VMQ	*Note	2,500	Yes

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

### Exemptions

None

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## 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 Chlorine combined	PA6 GF BLACK	1,500	220,000	Yes
Bromine and Chlorine combined	PA6 GF ASH GRAY	1,500	195,000	Yes
Bromine and its compounds	PA6 GF BLACK	900	220,000	Yes
Bromine and its compounds	PA6 GF ASH GRAY	900	195,000	Yes

## China ROHS Declaration Information

Part Number 1600746006		<b>Hazardous Substances</b>				
Part Name MX150UL ASSY RCPT 2X6 CPA BLK A/12						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
MX150UL ASSY RCPT 2X6 CPA BLK A/12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MX150 UL V0 REC 2X6 SEALED HSG BLACK A	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MX150 UL V0 Receptacle 2x6 TPA, Ash gray	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MX150 1.5 RCPT GROM CAP 12CKT 2X6 BLK	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MX MATTE SEAL RCPT CKT X LTBLUE	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MX PERIPHERAL SEAL CKT X	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MX150 CPA	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## 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

Oct 7, 2021

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