

# Product Compliance Declaration

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## Contact Information

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

## Part Information

**Part Number** 0022032051 **Part Weight** 0.333025G

**Part Name** KK 100 Hdr Flat Vert Tin 5Ckt

## Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 100 Hdr Flat Vert Tin 5Ckt	Assembly		100	0.333025
.560 x .0261 Sq Brass Bando Pin Tin	Assembly		76.5783	0.255024
.560 x .0261 Sq Brass Bando Pin Unplated	Component		73.5682	0.245
Cartridge Brass 70% Unplated	Material		73.5682	0.245
Copper	Substance	7440-50-8	51.4977	0.1715
Zinc (metal)	Substance	7440-66-6	22.0704	0.0735
Tin Plating	Material		1.3586	0.004524
Tin	Substance	7440-31-5	1.3586	0.004525
Nickel Plating	Material		1.6515	0.0055
Nickel	Substance	7440-02-0	1.6514	0.005499
Further Additives, not to declare	Substance	system	0.0002	6E-07
KK 100 Header Flat 05 Ckt 4030-05	Component		23.4217	0.078
PA66 WHITE	Material		23.4217	0.078

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
PA66	Substance		19.9084	0.0663
Flame Retardant, ISO 1043-4 FR(30)	Substance		2.3422	0.0078
Further Additives, not to declare	Substance	system	1.1711	0.0039

## 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)10043-DC (17 Jan 2022)

### Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Benzo(ghi)perylene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
tricosafuorododecanoic acid	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
heptacosafuorotetradecanoic acid	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Dodecamethylcyclohexasiloxane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Decamethylcyclopentasiloxane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Benzene-1,2,4-tricarboxylic acid 1,2-anhydride	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Disodium 3,3'-[[1,1'-Biphenyl]-4,4'-Diylbis(Azo)]Bis(4-Aminonaphthalene-1-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, bis(3-methylbutyl) ester (9CI)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
methoxyacetic acid	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
1,2-diethoxyethane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dibutyltin-dichloride	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
2-methylimidazole	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4,4'-methylenedi-o-toluidine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1-vinylimidazole	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,3-Propanesultone	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
chromium trioxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
C.I. Direct Black 38	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
heneicosfluoroundecanoic acid	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Ammonium-pentadecafluorooctanoate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
sodium peroxometaborate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Disodium-octaborate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Acetamide, N-methyl-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
p-(1,1-dimethylpropyl)phenol	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dicyclohexyl-phthalate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dihexyl-phthalate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Phenanthrene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dinoseb	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
butyl 4-hydroxybenzoate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
o-toluidine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-methyl-m-phenylenediamine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Imidazolidine-2-thione	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-o-tolylazo-o-toluidine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-tert-butylphenol	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
nitrobenzene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
1-bromopropane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Ethylenediamine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
furan	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-Methoxyethyl acetate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Glutaral	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
6-methoxy-m-toluidine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
C,C'-azodi(formamide)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,4-dioxane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dipentyl phthalate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
bis(2-(2-methoxyethoxy)ethyl) ether	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2,2-bis(bromomethyl)propane-1,3-diol (BMP); 2,2-dimethylpropan-1-ol, tribromo derivative/3-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Medium-chain chlorinated paraffins (MCCP)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
orthoboric acid, sodium salt	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Perfluorobutane sulfonic acid (PFBS) and its salts	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Fluoranthene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Pyrene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Benz[a]anthracene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cadmium nitrate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Chrysene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" <sup>TM</sup> )	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Diocetyl tin dilaurate, stannane, dioctyl-, bis(cocoacyloxy) derivs., and any other stannane,	.560 x .0261 Sq Brass Bando Pin Unplated	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-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
hexahydro-2-benzofuran-1,3-dione	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Methylhexahydrophthalic anhydride	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity

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Sodium perborate; perboric acid, sodium salt	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cadmium sulphate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Perfluorohexane-1-sulphonic acid and its salts	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Terphenyl, hydrogenated	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
diisohexyl phthalate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
pentacosafuorotridecanoic acid	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4,4-isobutylethylidenediphenol	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-benzyl-2-dimethylamino-4-morpholinobutyrophenone	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
n-pentyl-isopentylphthalate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
S-(tricyclo(5.2.1.0 <sub>2,6</sub> )deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,3-BENZENEDIOL, TRINITRO-, LEAD SALT	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Hydrazine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Disodium tetraborate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Boric acid	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4,4'-Oxydianiline and its salts	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Aluminosilicate Refractory Ceramic Fibres	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Zirconia Aluminosilicate Refractory Ceramic Fibres	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Acids generated from chromium trioxide and their oligomers	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-Nonylphenol, branched and linear, ethoxylated [Substances with a linear and/or branched alkyl	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-Heptylphenol, branched and linear	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Carbonic acid, cobalt(2+) salt (1:1)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Acetic acid, cobalt(2+) salt	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cobalt-dinitrate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cobalt sulphate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-Ethoxyethyl acetate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Strontium-chromate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1-Methyl-2-pyrrolidone	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2,3-Trichloropropane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Calcium-arsenate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
bis(2-methoxyethyl) ether	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Potassium hydroxyoctaoxodizincatedichromate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Lead-dipicrate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
N,N-dimethylacetamide (DMAc, DMA)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Arsenic-acid	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-methoxyaniline	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Trilead-diarsenate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2-dichloroethane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Formaldehyde, polymer with benzenamine	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
phenolphthalein	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dichromium tris(chromate)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2,2'-dichloro-4,4'-methylenedianiline	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Arsenic acid (H3AsO4), triethyl ester	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4,4'-diaminodiphenylmethane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dibutylphthalate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Di-(2-ethylhexyl)phthalat	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Arsenic acid (H3AsO4), lead(2+) salt (1:1)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
2,4-Dinitrotoluene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Anthracene oil; Anthracene oil	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Anthracene oil, anthracene paste; Anthracene Oil Fraction	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Anthracene oil, anthracene paste, anthracene fraction; Anthracene Oil Fraction	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Anthracene oil, anthracene paste, distn. lights; Anthracene Oil Fraction	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Anthracene oil, anthracene-low; Anthracene Oil Fraction	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Diisobutyl-phthalate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Lead chromate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Lead chromate molybdate sulfate red	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Lead sulfochromate yellow	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Pitch, coal tar, high-temp.	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Tris(2-chloroethyl) phosphate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Ammonium-dichromate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Potassium-chromate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Potassium-dichromate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Sodium-chromate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Boric acid, disodium salt, hydrate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Trichloroethylene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
2-Ethoxyethanol	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
formamide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cadmium-chloride	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Silicic acid, lead salt	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Lead oxide sulfate (Pb <sub>2</sub> O(SO <sub>4</sub> ))	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Lead-titanium-trioxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Pentalead-tetraoxide-sulphate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Trilead-dioxide-phosphonate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Tetralead-trioxide-sulphate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Dioxobis(stearato)trilead	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Lead titanium zirconium oxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Borate(1-), tetrafluoro-, lead (2+)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cyanamide, lead(2+) salt (1:1)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cadmium Hydroxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Acetic Acid, Lead Salt, Basic	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Sulfurous Acid, Lead Salt, Dibasic	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
[Phthalato(2-)]dioxotrilead	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Fatty Acids, C16-18, Lead Salts	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Lead(II) methanesulfonate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4-aminoazobenzene	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
diethyl sulphate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
propylene oxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4,4'-(1-Methylpropylidene)bisphenol	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
dimethyl sulphate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Tetraethyllead	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4,4'-bis(dimethylamino)benzophenone	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
N,N,N',N'-tetramethyl-4,4'-methyldianiline	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2-Dimethoxyethane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,2-bis(2-methoxyethoxy)ethane	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Lead di(acetate)	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cadmium-carbonate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No.	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Decabromodiphenylether	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Diboron-trioxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cadmium-oxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Cadmium-sulphide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Lead(II,IV)-oxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Trilead bis(carbonate) dihydroxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Lead Oxide	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
[4-[[4-Anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohe...	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol [with $\geq$	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Lead	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	2,000	Impurity
Cadmium	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Cadmium-fluoride	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
pyrochlore, antimony lead yellow	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity
Lead-dinitrate	.560 x .0261 Sq Brass Bando Pin Unplated	1,000	3,000	Impurity

## GADSL Declaration Information

**Regulatory Revision** GADSL imported from IMDS

### Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
copper	Cartridge Brass 70% (CA260)	*Note	700,000	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
Lead	e-plate Sn (electrodeposited Tin Coatings, bright and matt)	*Note	500	Yes
Lead	Cartridge Brass 70% (CA260)	*Note	350	Yes

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

### Exemptions

Part Name	Exemption
Ep-Ni	33 Other application (Surface not routinely touched or nickel release rate < 0.5 $\mu$ g/cm <sup>2</sup> /week)
e-plate Sn (electrodeposited Tin Coatings, bright and matt)	44 Concentration within acceptable GADSL limits
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 0022032051		<b>Hazardous Substances</b>				
Part Name KK 100 Hdr Flat Vert Tin 5Ckt						
Part Information						
Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 100 Hdr Flat Vert Tin 5Ckt	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
.560 x .0261 Sq Brass Bando Pin Tin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
.560 x .0261 Sq Brass Bando Pin Unplated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
KK 100 Header Flat 05 Ckt 4030-05	<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

## Process Information

Component Plating / Surface Finish	MSn-RNi
Termination Base Alloy	Brass
Solder Alloy	N/A
Process Capability	WAVE
Maximum Exposure Time (seconds)	005
Maximum Process Temperature (C)	235

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Maximum Cycles at Reflow Temperature	001
J-STD-020 Moisture Sensitivity Level	N/A

Mar 2, 2022

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