

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 0026481165 **Part Weight** 6.239G

Part Name KK 156 Header Assy FrLk Bkwy 16 ckt Tin

Product Composition

Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
KK 156 Header Assy FrLk Bkwy 16 ckt Tin	Assembly		100	6.239
KK.045 Sq Pin Bando .750 (197) Sn	Assembly		48.4693	3.024
KK.045 Sq Pin Bando .750 (999) unplt	Component		47.4435	2.96
Cartridge Brass 70% Unplated	Material		47.4435	2.96
Copper	Substance	7440-50-8	33.2105	2.072
Zinc (metal)	Substance	7440-66-6	14.2331	0.888
Tin Plating	Material		0.4616	0.0288
Tin	Substance	7440-31-5	0.4616	0.0288
Nickel Plating	Material		0.5642	0.0352
Nickel	Substance	7440-02-0	0.5641	0.035196
Further Additives, not to declare	Substance	system	6E-05	0.000004
KK 156 Header Friction Lock Brwy 24 ckt	Component		51.5307	3.215
PBT GF BLACK	Material		51.5307	3.215

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Name	Type	CAS Number	Proportion (% Total)	Mass (Grams)
PBT	Substance		32.9349	2.054806
GF-Fibre	Substance		3.4951	0.218061
Flame Retardant, ISO 1043-4 FR(17)	Substance		11.3143	0.705901
Antimonytrioxide	Substance	1309-64-4	2.9798	0.185911
Pigment portion, not to declare	Substance	system	0.4033	0.025161
Further Additives, not to declare	Substance	system	0.4033	0.025161

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(2020)4578-DC (25 June 2020)

Contained Substances Exceeding Threshold

Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
heneicosfluoroundecanoic acid	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
chromium trioxide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,3-propanesultone	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1-vinylimidazole	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4,4'-methylenedi-o-toluidine	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dibutyltin dichloride	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
methoxyacetic acid	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, bis(3-methylbutyl) ester (9CI)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
octamethylcyclotetrasiloxane	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
benzene-1,2,4-tricarboxylic acid 1,2-anhydride	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,010	Impurity
decamethylcyclopentasiloxane	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,100	Impurity
dodecamethylcyclohexasiloxane	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
heptacosafuorotetradecanoic acid	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
tricosafuorododecanoic acid	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Dipentyl phthalate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
6-methoxy-m-toluidine	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
furan	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1-bromopropane	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
nitrobenzene	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4-o-tolylazo-o-toluidine	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
ethylene thiourea	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4-methyl-m-phenylenediamine	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
o-toluidine	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
butyl 4-hydroxybenzoate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dinoseb (ISO)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dihexyl phthalate (DnHP)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dicyclohexyl phthalate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,010	Impurity
N-methylacetamide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dimethyl sulphate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
diethyl sulphate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4-aminoazobenzene	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Fatty acids, C16-18, lead salts	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
[phthalato(2-)]dioxotrilead	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
Perfluorohexane-1-sulphonic acid and its salts	KK.045 Sq Pin Bando .750 (999) unplt	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-(4,6-1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Cadmium sulphate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Sodium perborate; perboric acid, sodium salt	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
hexahydro-2-benzofuran-1,3-dione	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	KK.045 Sq Pin Bando .750 (999) unplt	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-	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol,	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Chrysene	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Cadmium nitrate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,005	Impurity
Pyrene	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Trixylyl phosphate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Zirconia Aluminosilicate Refractory Ceramic Fibres	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Aluminosilicate Refractory Ceramic Fibres	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Boric acid	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Disodium tetraborate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Hydrazine	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,3-BENZENEDIOL, TRINITRO-, LEAD SALT	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
n-pentyl-isopentylphthalate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
pentacosafuorotridecanoic acid	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Terphenyl, hydrogenated	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,100	Impurity

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dibutylbis(pentane-2,4-dionato-O,O')tin	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Disodium-octaborate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,100	Impurity
sodium peroxometaborate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Ammonium-pentadecafluorooctanoate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
pentazinc chromate octahydroxide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,2-dichloroethane	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
trilead diarsenate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
2-methoxyaniline	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
arsenic acid	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
N,N-dimethylacetamide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
lead dipicrate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
potassium hydroxyoctaoxodizincatedichromate(1-)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
bis(2-methoxyethyl) ether	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Calcium-arsenate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
N-methyl-2-pyrrolidone	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
2-ethoxyethyl acetate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Cobalt sulphate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Acetic acid, cobalt(2+) salt	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Carbonic acid, cobalt(2+) salt (1:1)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Boric acid, disodium salt, hydrate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
sodium chromate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
potassium dichromate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
potassium chromate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
ammonium dichromate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity

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Tris(2-chloroethyl) phosphate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Lead sulfochromate yellow	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Lead chromate molybdate sulfate red	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
lead chromate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Anthracene oil, anthracene-low; Anthracene Oil Fraction	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Anthracene oil, anthracene paste, distn. lights; Anthracene Oil Fraction	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Anthracene oil, anthracene paste, anthracene fraction; Anthracene Oil Fraction	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Anthracene oil, anthracene paste; Anthracene Oil Fraction	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Butylbenzylphthalate (BBP)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
lead hydrogen arsenate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
bis(2-ethylhexyl) phthalate (DEHP)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dibutyl phthalate (DBP)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4,4'-diaminodiphenylmethane	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
triethyl arsenate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Sulfurous acid, lead salt, dibasic	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Acetic acid, lead salt, basic	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
cadmium hydroxide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,005	Impurity
Lead titanium zirconium oxide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dioxobis(stearato)trilead	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
tetralead trioxide sulphate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Trilead-dioxide-phosphonate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
pentalead tetraoxide sulphate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
lead oxide sulfate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Silicic acid, lead salt	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
cadmium chloride	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
lead dinitrate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
pyrochlore, antimony lead yellow	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Cadmium-fluoride	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
cadmium	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity

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lead	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,100	Impurity
α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol [with \geq	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]]methylene]cyclohexa-2,5	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Formaldehyde, polymer with benzenamine	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl) ester	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
lead diazide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
phenolphthalein	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
dichromium tris(chromate)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4,4'-bis(dimethylamino)benzophenone	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,2-dimethoxyethane	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
cadmium carbonate	KK.045 Sq Pin Bando .750 (999) unplt	1,000	1,005	Impurity
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with \geq 0.1% of Michler's ketone (EC No.	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
bis(pentabromophenyl) ether	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Diboron-trioxide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
cadmium oxide (non-pyrophoric)	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
cadmium sulphide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
orange lead	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
trilead bis(carbonate) dihydroxide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
Lead oxide	KK.045 Sq Pin Bando .750 (999) unplt	1,000	2,000	Impurity
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	KK.045 Sq Pin Bando .750 (999) unplt	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
lead	Cartridge Brass 70% (CA260)	*Note	350	Yes

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Substance Group	Substance Location	Threshold (PPM)	Concentration (PPM)	Intentionally Added
lead		*Note	500	Yes
Antimonytrioxide	PBT GF BLACK	*Note	70,000	Yes
nickel powder [particle diameter < 1 mm]	Ep-Ni	*Note	997,500	Yes
copper	Cartridge Brass 70% (CA260)	*Note	700,000	Yes
glass, oxide, chemicals	PBT GF BLACK	*Note	80,000	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
	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	PBT GF BLACK	900	250,000	Yes
Bromine and Chlorine combined	PBT GF BLACK	1,500	250,000	Yes

China ROHS Declaration Information

Part Number	0026481165		Hazardous Substances				
Part Name	KK 156 Header Assy FrLk Bkwy 16 ckt Tin						
Part Information							
Components		Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK 156 Header Assy FrLk Bkwy 16 ckt Tin		○	○	○	○	○	○

Form Rev - F

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Components	Lead	Mercury	Cadmium	Hex. Chromium	PBB	PBDE
KK.045 Sq Pin Bando .750 (197) Sn	○	○	○	○	○	○
KK.045 Sq Pin Bando .750 (999) unplt	○	○	○	○	○	○
KK 156 Header Friction Lock Brwy 24 ckt	○	○	○	○	○	○

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

Jan 15, 2021

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