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Part Number: [0836129020](#)
Status: **Active**
Overview: Commercial Micro-D High-Density Connectors
Description: 1.27mm Pitch Commercial Micro D, PCB Mount, Right Angle Plug, 15 Circuits

Documents:

[3D Model](#) [Packaging Specification PK-83098-636 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-83421-001-001 \(PDF\)](#)

General

| | |
|----------------|--|
| Product Family | I/O Connectors |
| Series | 83612 |
| Application | Wire-to-Board |
| Comments | Pin Contact |
| Component Type | Plug |
| Overview | Commercial Micro-D High-Density Connectors |
| Product Name | Commercial Micro-D |
| Type | N/A |
| UPC | 800755952933 |

Physical

| | |
|--------------------------------|-----------------|
| Boot Color | N/A |
| Circuits (Loaded) | 15 |
| Circuits (maximum) | 15 |
| Durability (mating cycles max) | 500 |
| Gender | Plug |
| Lock to Mating Part | Yes |
| Material - Plating Mating | Gold |
| Net Weight | 4.567/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length | 2.79mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.52mm |
| Packaging Type | Tube |
| Panel Mount | Yes |
| Pitch - Mating Interface | 1.27mm |
| Pitch - Termination Interface | 1.27mm |
| Plating min - Mating | 0.381µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Ports | 1 |
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +125°C |
| Termination Interface: Style | Through Hole |
| Waterproof / Dustproof | No |
| Wire Size AWG | N/A |

Electrical

| | |
|-------------------------------|-------------|
| Current - Maximum per Contact | 1.0A |
| Shield Type | Full Shield |
| Shielded | Yes |
| Voltage - Maximum | 350V AC |

Material Info



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant
REACH SVHC

China RoHS

Contained Per -
ED/21/2016 (20 June 2016)
chromium trioxide
4,4'-methylenedi-o-toluidine
1,2-diethoxyethane
methoxyacetic acid
1,2-Benzenedicarboxylic acid, bis(3-methylbutyl)
Disodium 3,3'-[[1,1'-Biphenyl]-4,4'-Diylbis(Azo)heptacosafuorotetradecanoic acid
tricosafuorododecanoic acid
Dipentyl phthalate (DPP)
C,C'-azodi(formamide)
6-methoxy-m-toluidine
furan
4-o-tolylazo-o-toluidine
Imidazolidine-2-thione
4-methyl-m-phenylenediamine
o-toluidine
dinoseb (ISO)
Dihexyl-phthalate
Acetamide, N-methyl-dimethyl sulphate
propylene oxide
diethyl sulphate
4-aminoazobenzene

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

PK-83098-636

PS-83421-001-001

SD-83612-002

1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-t
 α,α -Bis[4-(dimethylamino)phenyl]-4
(phenylamino)
[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phen
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(
Diboron-trioxide
4,4'-
bis(dimethylamino)-4''-
(methylamino)trityl
Disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
5-sec-butyl-2-(2,4-
dimethylcyclohex-3-
en-1-yl)-5
1,2-
benzenedicarboxylic
acid, di-C6-10-alkyl
est
reaction mass of
2-ethylhexyl 10-
ethyl-4,4-dioct
2-(2H-Benzotriazol-2-
yl)-4,6-
ditertpentylphenol
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
2,4-Di-tert-butyl-6-(5-
chlorobenzotriazol-2-
yl)p
1,3-Propanesultone
Sodium perborate;
perboric acid, sodium
salt
Methylhexahydrophthalic
anhydride
hexahydro-2-
benzofuran-1,3-dione
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
4-Nonylphenol,
branched and linear,
ethoxylated
4-(1,1,3,3-
tetramethylbutyl)phenol,
ethoxylated
Trixylyl phosphate
4-Nonylphenol,
branched and linear
[substances w
Acids generated from
chromium trioxide and
their
HBCDD
4,4'-oxydianiline and
its salts

Boric acid
Disodium tetraborate
Hydrazine
Lead 2,4,6-Trinitro-M-
Phenylene Dioxide
n-pentyl-
isopentylphthalate
3-ethyl-2-methyl-2-
(3-methylbutyl)-1,3-
oxazolidi
1,2-
benzenedicarboxylic
acid, dipentylester,
bra
pentacosafuorotridecanoic
acid
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
sodium
peroxometaborate
henicosafuoroundecanoic
acid
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
Bis (2-ethylhexyl)
phthalate (DEHP)
Diarsenic-trioxide
Diarsenic-pentaoxide
Dibutyl phthalate
(DBP)
4,4'-
Methylenedianiline
Arsenic acid
(H₃AsO₄), triethyl
ester
Dibutyltin-dichloride
1-bromopropane
1,2-dichloroethane
1,2,3-
Trichloropropane
Trichloroethylene
Decabromodiphenylether
Dichromium
tris(chromate)
Pentazinc-chromate-
octahydroxide
Potassium
hydroxyoctaoxidizincatedichromate
Strontium-chromate
Sodium-chromate
Potassium-dichromate
Potassium-chromate
Ammonium-
dichromate
Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
Lead-diazide
Trilead-diarsenate
Lead-dipicrate
Lead sulfochromate
yellow

Lead chromate
molybdate sulfate red
Lead chromate
Perfluorononan-1-
oic acid
(2,2,3,3,4,4,5,5,6,6,7
nitrobenzene
Butyl benzyl phthalate
(BBP)
1,2-bis(2-
methoxyethoxy)ethane
1,2-Dimethoxyethane
N,N,N',N'-
tetramethyl-4,4'-
methyldianiline
4,4'-
bis(dimethylamino)benzophenone
formamide
2,2'-dichloro-4,4'-
methylenedianiline
phenolphthalein
1,2-
Benzenedicarboxylic
acid, bis(2-
methoxyethyl
Formaldehyde,
oligomeric reaction
products with
2-Methoxyaniline; o-
Anisidine
Arsenic-acid
N,N-
dimethylacetamide
bis(2-methoxyethyl)
ether
Calcium-arsenate
1,2-
Benzenedicarboxylic
acid, di-C6-8-
branched a
2,4-dinitrotoluene
Anthracene oil;
Anthracene oil
Anthracene oil,
anthracene paste;
Anthracene Oil
Anthracene oil,
anthracene paste,
anthracene fra
Anthracene oil,
anthracene paste,
distn. lights;
Anthracene oil,
anthracene-low;
Anthracene Oil F
Diisobutyl phthalate
(DIBP)
Pitch, coal tar, high-
temp.; Pitch
Tris(2-chloroethyl)
phosphate
Boric acid, disodium
salt, hydrate
2-Ethoxyethanol
2-ethoxyethyl acetate

1,2-
Benzenedicarboxylic
acid, di-C7-11-
branched
1-Methyl-2-
pyrrolidone

**Halogen-Free
Status**

Low-Halogen

**Need more information on product
environmental compliance?**

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any
non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Contained:

BBP,DIBP,DEHP,DBP

Search Parts in this Series

[83612](#) Series

Mates With

[83422](#) Cable Assembly

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