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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 \(PDF\)](#)

**General**

Product Family	I/O Connectors
Series	83612
Application	Wire-to-Board
Comments	Pin Contact
Component Type	Plug
Overview	<a href="#">Commercial Micro-D High-Density Connectors</a>
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**

Contained Per -  
ED/79/2015 (17  
December 2015)  
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

**China RoHS**

## Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

PK-83098-636

PS-83421-001

SD-83612-002

1,3,5-tris-[(2S  
and 2R)-2,3-  
epoxypropyl]-1,3,5-t  
#,#-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  
(H<sub>3</sub>AsO<sub>4</sub>), 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 (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
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)  
1-Methyl-2-  
pyrrolidone  
1,2-  
Benzenedicarboxylic  
acid, di-C7-11-  
branched  
2-ethoxyethyl acetate  
2-Ethoxyethanol

Pitch, coal tar, high-temp.; Pitch  
Tris(2-chloroethyl) phosphate  
Boric acid, disodium salt, hydrate

**Halogen-Free**

**Status**

**Low-Halogen**

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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
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China ROHS  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[83612 Series](#)

**Mates With**

[83422 Cable Assembly](#)

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