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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](#) [Product Specification PS-83421-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**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**

**Reference - Drawing Numbers**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Yes -ED/39/2015 (15 June 2015)

1,2-Benzenedicarboxylic acid, di-C7-11-branched  
 1,2-Benzenedicarboxylic acid, di-C6-8-branched a  
 Calcium-arsenate bis(2-methoxyethyl) ether  
 N,N-dimethylacetamide  
 Arsenic-acid  
 2-methoxyaniline  
 Formaldehyde, oligomeric reaction products with  
 1,2-Benzenedicarboxylic acid, bis(2-methoxyethyl phenolphthalein  
 2,2'-dichloro-4,4'-methylenedianiline  
 1,2-Dimethoxyethane  
 1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-t  
 4-aminoazobenzene  
 2-ethoxyethyl acetate  
 2-Methoxyethanol  
 2-Ethoxyethanol

**China RoHS**

Pitch, coal tar, high-temp.; Pitch  
Diisobutyl-phthalate  
Anthracene oil,  
anthracene-low;  
Anthracene Oil F  
Anthracene oil,  
anthracene paste,  
distn. lights;  
Anthracene oil,  
anthracene paste,  
anthracene fra  
Anthracene oil,  
anthracene paste;  
Anthracene Oil  
Anthracene oil;  
Anthracene oil  
Bis(tributyltin) oxide  
Cobalt-dichloride  
4,4'-  
Methylenedianiline  
Dibutyltin-dichloride  
Alkanes, C10-13,  
chloro  
dimethyl sulphate  
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-(2H-1,2,3-  
benzotriazol-2-yl)-4,6-  
di-tert-butyl  
2-ethylhexyl 10-  
ethyl-4,4-dioctyl-7-  
oxo-8-oxa-3,  
hexahydro-2-  
benzofuran-1,3-dione  
Anthracene  
4-Nonylphenol,  
branched and linear,  
ethoxylated  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
4-Nonylphenol,  
branched and linear  
[substances w  
Acids generated from  
chromium trioxide and  
their  
Sodium dichromate  
4,4'-oxydianiline and  
its salts  
Lead 2,4,6-Trinitro-M-  
Phenylene Dioxide

n-pentyl-  
isopentylphthalate  
1,2-  
benzenedicarboxylic  
acid, dipentylester,  
bra  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
C.I. Direct Black 38  
chromium trioxide  
4,4'-methylenedi-o-  
toluidine  
1,2-  
Benzenedicarboxylic  
acid, bis(3-  
methylbutyl)  
Disodium 3,3'-[[1,1'-  
Biphenyl]-4,4'-  
Diy]bis(Azo)  
1,2-  
Benzenedicarboxylic  
acid, dipentyl ester  
6-methoxy-m-toluidine  
4-o-tolylazo-o-  
toluidine  
Imidazolidine-2-thione  
4-methyl-m-  
phenylenediamine  
o-toluidine  
Dihexyl-phthalate  
C,C'-  
azodi(formamide)  
furan  
dinoseb (ISO)  
Acetamide, N-methyl-  
propylene oxide  
diethyl sulphate  
#,#-Bis[4-  
(dimethylamino)phenyl]-4  
(phenylamino)  
[4-[[4-Anilino-1-  
naphthyl][4-  
(dimethylamino)phen  
Diboron-trioxide  
4,4'-  
bis(dimethylamino)-4''-  
(methylamino)trityl  
[4-[4,4'-  
Bis(dimethylamino)benzhydrylidene]cyclo  
1,2-bis(2-  
methoxyethoxy)ethane  
N,N,N',N'-  
tetramethyl-4,4'-  
methylenedianiline  
4,4'-  
bis(dimethylamino)benzophenone  
formamide  
1-Methyl-2-  
pyrrolidone  
Boric acid, disodium  
salt, hydrate  
Tris(2-chloroethyl)  
phosphate

2,4-dinitrotoluene  
Butyl benzyl phthalate  
(BBP)  
Di-(2-ethylhexyl)phthalat  
Diarsenic-trioxide  
Diarsenic-pentaoxide  
Dibutylphthalate  
Arsenic acid  
(H<sub>3</sub>AsO<sub>4</sub>), triethyl  
ester  
1-bromopropane  
1,2-dichloroethane  
1,2,3-  
Trichloropropane  
Trichloroethylene  
Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
tricosafuorododecanoic  
acid  
Decabromodiphenylether  
Dichromium  
tris(chromate)  
Pentazinc-chromate-  
octahydroxide  
Potassium  
hydroxyoctaoxidizincatedichromate  
Strontium-chromate  
Sodium-chromate  
Potassium-dichromate  
Potassium-chromate  
Ammonium-  
dichromate  
Lead-diazide  
Trilead-diarsenate  
Lead-dipicrate  
Lead sulfochromate  
yellow  
Lead chromate  
molybdate sulfate red  
Lead chromate  
Sodium perborate;  
perboric acid, sodium  
salt  
Methylhexahydrophthalic  
anhydride  
4-(1,1,3,3-  
tetramethylbutyl)phenol,  
ethoxylated  
Trixylyl phosphate  
HBCDD  
Boric acid  
Disodium tetraborate  
Hydrazine  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
pentacosafuorotridecanoic  
acid  
sodium  
peroxometaborate  
henicosafuoroundecanoic  
acid  
1,2-diethoxyethane

methoxyacetic acid  
heptacosafuorotetradecanoic  
acid

**Halogen-Free  
Status**

**Low-Halogen**

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environmental compliance?**

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non-product compliance questions.

China ROHS  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[83612](#) Series

**Mates With**

[83422](#) Cable Assembly

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