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**Part Number:** [0877610001](#)  
**Status:** **Active**  
**Overview:** [Milli-Grid Connector System](#)  
**Description:** Milli-Grid Header, Dual Row Dual Body, Through Hole, Vertical, 10 Circuits, 0.38µm Gold (Au) Selective Plating, 22.86mm Stacking Height, Pocket Tray Packaging, Lead-Free

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-89990-487-001 (PDF)</a>
<a href="#">Product Specification PS-87761-100-001 (PDF)</a>	<a href="#">Test Summary 877610000-TS-000 (PDF)</a>
<a href="#">Application Specification 503940001-AS-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Packaging Specification PK-87761-001-001 (PDF)</a>	

**Agency Certification**

UL E29179

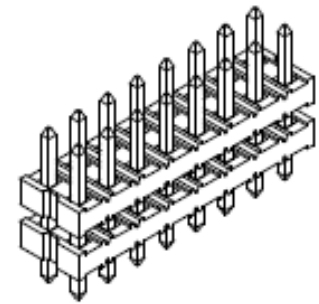
**General**

Product Family	PCB Headers
Series	<a href="#">87761</a>
Application	Board-to-Board, Signal
Overview	<a href="#">Milli-Grid Connector System</a>
Product Name	Dual Body, Milli-Grid
UPC	756054411322

**Physical**

Breakaway	Yes
Circuits (Loaded)	10
Circuits (maximum)	10
Color - Resin	Black
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Mated Height	5.08mm
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	Nylon
Net Weight	0.336/g
Number of Rows	2
Orientation	Vertical
PCB Locator	No
PCB Retention	None
Packaging Type	Tray
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Plating min - Mating	0.381µm
Polarized to Mating Part	No
Polarized to PCB	No
Shrouded	No
Stackable	No
Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Through Hole

**Electrical**



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contained Per -  
D(2020)4578-DC (25  
June 2020)  
C,C'-  
azodi(formamide)  
di-n-pentyl phthalate  
(DPP)  
tricosafuorododecanoic  
acid  
perfluorooctanoic acid  
heptacosafuorotetradecanoic  
acid  
dodecamethylcyclohexasiloxane  
decamethylcyclopentasiloxane  
octamethylcyclotetrasiloxane  
disodium 3,3'-[[1,1'-  
biphenyl]-4,4'-  
diylbis(azo)  
diisopentylphthalate  
methoxyacetic acid  
1,2-diethoxyethane  
dibutyltin dichloride  
2-methylimidazole  
4,4'-methylenedi-o-  
toluidine  
1-vinylimidazole  
1,3-propanesultone  
chromium trioxide  
disodium 4-  
amino-3-[[4'-[(2,4-  
diaminophenyl)azo]  
henicosafuoroundecanoic  
acid  
ammoniumpentadecafluorooctanoate  
sodium  
peroxometaborate  
disodium octaborate

**China RoHS**

Current - Maximum per Contact 2.0A  
Voltage - Maximum 125V

#### Solder Process Data

Duration at Max. Process Temperature (seconds) 010  
Lead-free Process Capability WAVE  
Max. Cycles at Max. Process Temperature 003  
Process Temperature max. C 250

#### Material Info

#### Reference - Drawing Numbers

Application Specification 503940001-AS-000  
Packaging Specification PK-87761-001-001, PK-89990-487-001  
Product Specification PS-87761-100-001  
Sales Drawing SD-87761-052-001  
Test Summary 877610000-TS-000

1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-t benzo[a]pyrene  
4-aminoazobenzene  
diethyl sulphate  
propylene oxide  
dimethyl sulphate  
N-methylacetamide  
p-(1,1-dimethylpropyl)phenol  
dihexyl phthalate (DnHP)  
phenanthrene  
dinoseb (ISO)  
butyl 4-hydroxybenzoate  
o-toluidine  
4-methyl-m-phenylenediamine  
ethylene thiourea  
4-o-tolylazo-o-toluidine  
4-tert-butylphenol  
nitrobenzene  
1-bromopropane  
ethylenediamine  
furan  
2-methoxyethyl acetate  
6-methoxy-m-toluidine  
4-Nonylphenol, branched and linear  
[substances w Trixylyl phosphate  
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated  
4-Nonylphenol, branched and linear, ethoxylated  
4-Heptylphenol, branched and linear  
Nonadecafluorodecanoic acid (PFDA) and its sodiu  
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propio  
Tris(4-nonylphenyl, branched and linear) phosphi  
Fluoranthene  
Pyrene  
Chrysene  
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o  
Reaction  
products of 1,3,4-thiadiazolidine-2,5-d  
Perfluorononan-1-oic acid  
(2,2,3,3,4,4,5,5,6,6,7  
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated

hexahydro-2-  
benzofuran-1,3-dione  
Methylhexahydrophthalic  
anhydride  
Sodium perborate;  
perboric acid, sodium  
salt  
Cadmium sulphate  
reaction mass of  
2-ethylhexyl 10-  
ethyl-4,4-dioct  
1,2-  
benzenedicarboxylic  
acid, di-C6-10-alkyl  
est  
5-sec-butyl-2-(2,4-  
dimethylcyclohex-3-  
en-1-yl)-5  
Perfluorohexane-1-  
sulphonic acid and its  
salts  
1,7,7-trimethyl-3-  
(phenylmethylene)bicyclo[2.2.1  
2-ethylhexyl 10-  
ethyl-4,4-dioctyl-7-  
oxo-8-oxa-3,  
dibutylbis(pentane-2,4-  
dionato-O,O')tin  
2-(2H-benzotriazol-2-  
yl)-4,6-  
ditertpentylphenol  
2-(2H-benzotriazol-2-  
yl)-4-(tert-butyl)-6-  
(sec-b  
Terphenyl,  
hydrogenated  
1,2-  
Benzenedicarboxylic  
acid, dihexyl ester,  
bra  
diisohexyl phthalate  
pentacosafuorotridecanoic  
acid  
1,2-  
benzenedicarboxylic  
acid, dipentylester,  
bra  
2-methyl-1-(4-  
methylthiophenyl)-2-  
morpholinoprop  
4,4-  
isobutylethylidenediphenol  
2-benzyl-2-  
dimethylamino-4-  
morpholinobutyropheno  
3-ethyl-2-methyl-2-  
(3-methylbutyl)-1,3-  
oxazolidi  
n-pentyl-  
isopentylphthalate  
1,3-BENZENEDIOL,  
TRINITRO-, LEAD  
SALT  
Hydrazine  
Disodium tetraborate

Boric acid  
4,4'-Oxydianiline and  
its salts  
Aluminosilicate  
Refractory Ceramic  
Fibres  
Zirconia  
Aluminosilicate  
Refractory Ceramic  
Fibr  
Acids generated from  
chromium trioxide and  
their  
trichloroethylene  
2-ethoxyethanol  
cobalt carbonate  
cobalt di(acetate)  
cobalt dinitrate  
cobalt sulphate  
2-ethoxyethyl acetate  
strontium chromate  
1,2-  
benzenedicarboxylic  
acid; di-C7-11-  
branched  
N-methyl-2-  
pyrrolidone  
1,2,3-trichloropropane  
1,2-  
benzenedicarboxylic  
acid; di-C6-8-  
branched a  
calcium arsenate  
bis(2-methoxyethyl)  
ether  
potassium  
hydroxyoctaoxidizincatedichromate(1-)  
lead dipicrate  
N,N-  
dimethylacetamide  
arsenic acid  
2-methoxyaniline  
trilead diarsenate  
1,2-dichloroethane  
pentazinc chromate  
octahydroxide  
Formaldehyde,  
polymer with  
benzenamine  
triethyl arsenate  
4,4'-  
diaminodiphenylmethane  
dibutyl phthalate  
(DBP)  
bis(2-ethylhexyl)  
phthalate (DEHP)  
lead hydrogen  
arsenate  
Butylbenzylphthalate  
(BBP)  
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)  
lead chromate  
Lead chromate  
molybdate sulfate red  
Lead sulfochromate  
yellow  
Pitch, coal tar, high-  
temp.; Pitch  
tris(2-chloroethyl)  
phosphate  
ammonium  
dichromate  
potassium chromate  
potassium dichromate  
sodium chromate  
tetraboron disodium  
heptaoxide, hydrate  
 $\alpha,\alpha$ -Bis[4-  
(dimethylamino)phenyl]-4  
(phenylamino)  
lead  
cadmium  
cadmium fluoride  
pyrochlore, antimony  
lead yellow  
lead dinitrate  
cadmium chloride  
Silicic acid, lead salt  
lead oxide sulfate  
lead titanium trioxide  
pentalead tetraoxide  
sulphate  
trilead dioxide  
phosphonate  
tetralead trioxide  
sulphate  
dioxobis(stearato)trilead  
Lead titanium  
zirconium oxide  
lead  
bis(tetrafluoroborate)  
lead cyanamidate  
Acetic acid, lead salt,  
basic  
Sulfurous acid, lead  
salt, dibasic  
Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
[phthalato(2-)]dioxotrilead  
Fatty acids, C16-18,  
lead salts

lead(II)  
methanesulphonate  
bis(2-methoxyethyl)  
phthalate  
lead diazide  
phenolphthalein  
dichromium  
tris(chromate)  
2,2'-dichloro-4,4'-  
methylenedianiline  
formamide  
tetraethyllead  
4,4'-  
bis(dimethylamino)benzophenone  
N,N,N',N'-  
tetramethyl-4,4'-  
methyldianiline  
1,2-dimethoxyethane  
1,2-bis(2-  
methoxyethoxy)ethane  
lead di(acetate)  
[4-[4,4'-  
bis(dimethylamino)  
benzhydrylidene]cycl  
4,4'-  
bis(dimethylamino)-4''-  
(methylamino)trityl  
bis(pentabromophenyl)  
ether  
diboron trioxide  
cadmium oxide (non-  
pyrophoric)  
cadmium sulphide  
orange lead  
trilead bis(carbonate)  
dihydroxide  
Lead oxide  
1,3,5-  
tris(oxiranylmethyl)-1,3,5-  
triazine-2,4,6(  
[4-[[4-anilino-1-  
naphthyl]]4-  
(dimethylamino)phen

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Relevant

**Search Parts in this Series**

[87761](#) Series

**Mates With**

[79109](#) Board-to-Board Top/Bottom Entry  
SMT Receptacle