Part Number : 511102051
Product Description : 2.00mm Pitch, Milli-Grid Receptacle Housing, 20 Circuits, with Center Polarization Key, with Locking Ramp, Lead-Free
Series Number : 51110
Status : Active
Product Category : Connector Housings



Documents & Resources

Drawings

511102051_sd.pdf

PK-51110-300-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Specifications

503940001-AS-000.pdf

PS-51110-001-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents
- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Connector Housings
Series	51110
Description	2.00mm Pitch, Milli-Grid Receptacle Housing, 20 Circuits, with Center Polarization Key, with Locking Ramp, Lead-Free
Application	Signal, Wire-to-Board
Comments	Applicable Wire Ranges: 24-30 AWG (series 50394 terminal) and 22-28 AWG (series 87396 terminal)
Product Name	Milli-Grid
UPC	800753573888

Agency

CSA	LR19980
UL	E29179

Physical

Circuits (maximum)	20
Color - Resin	Black
Flammability	94V-0

Gender	Receptacle
Glow-Wire Capable	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Resin	Polyester
Net Weight	0.425/g
Number of Rows	2
Packaging Type	Bag
Panel Mount	No
Pitch - Mating Interface	2.00mm
Pitch - Termination Interface	2.00mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40° to +105°C

Mates With / Use With

Mates with Part(s)

Description	Part Number
Milli-Grid Vertical Through Hole Headers	87758
Milli-Grid Vertical Surface Mount Headers	87759
Milli-Grid Right-Angle Through Hole Headers	87760
Milli-Grid Vertical, Dual Row, Through Hole Headers	87831
Milli-Grid Vertical, Dual Row, Surface Mount Headers	87832
Milli-Grid BMI Vertical, Dual Row, Through Hole Headers	151013
Milli-Grid Vertical, Dual Row, Through Hole Headers	151117
Milli-Grid Vertical, Dual Row, Surface Mount Headers	151118
Milli-Grid Right-Angle, Dual Row, Through Hole Headers	151119

Milli-Grid Right-Angle, Dual Row, Surface Mount Headers	151120
Milli-Grid Right-Angle Dual Row Through Hole Headers	87833

Use with Part(s)

Description	Part Number
Pre-Crimped Lead Milli-Grid Female-to-Milli-Grid Female, Gold (Au) Plating, 150.00mm Length, 24 AWG, Black	797581095
Pre-Crimped Lead Milli-Grid Female-to-Milli-Grid Female, Gold (Au) Plating, 300.00mm Length, 24 AWG, Black	797581096
Milli-Grid Female Crimp Terminals	50394
Milli-Grid Female Crimp Terminals	87396

Application Tooling

Global

Description	Part Number
Extractor Tool for Milli-Grid 2.0 Housings	638242800