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Part Number: [2010221018](#)
Status: **Active**
Overview: [Slim-Grid Board-to-Board Connectors](#)
Description: Slim-Grid Header, 18 Circuits, Through Hole, Vertical, Shrouded, 0.05µm Gold (Au) Plated, 2.40mm Tail Length, Tube, Lead-Free

Documents:

- | | |
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| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification 2009890001-000 (PDF) | Product Literature (PDF) |
| Packaging Specification 2010220001-000 (PDF) | |

Agency Certification

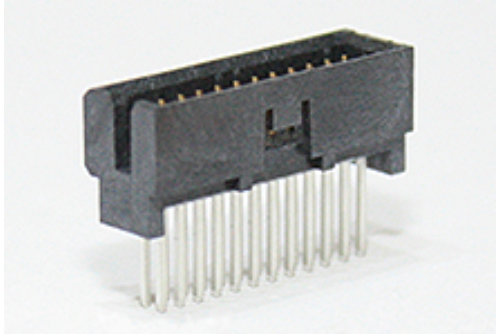
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	201022
Application	Board-to-Board, Signal
Comments	4.3 Amps per Pole with only 1 contact powered up 1.4 Amps per Pole with max contacts powered up
Overview	Slim-Grid Board-to-Board Connectors
Product Name	Slim-Grid
UPC	889056899338

Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
Color - Resin	Black
Durability (mating cycles max)	500
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Matte Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.575/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	2.40mm
PCB Locator	No
PCB Retention	None
PCB Thickness - Recommended	2.40mm
Packaging Type	Tube
Pitch - Mating Interface	1.27mm
Pitch - Termination Interface	1.27mm
Plating min - Mating	0.051µm
Plating min - Termination	2.000µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)9139-DC (19
Jan 2021)

Halogen-Free

Status

Low-Halogen

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

China RoHS

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[201022](#) Series

Mates With

Slim-Grid Receptacle [78120](#)

Temperature Range - Operating	-55° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1.4A
Voltage - Maximum	125V AC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	010
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	2010220001-000
Product Specification	2009890001-000
Sales Drawing	2010220024-000

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