molex



Part Number : 919990478
Product Description : Appli-Mate RAST 5 Header, Vertical, 2 Circuits, Silver (Ag) Plating, Position Keys 1a & 2b, Code Key d20, Latch Between Circuits 1 & 2, PCB Polarization A, Glow-Wire Capable
Series Number : 91999
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

919990478_sd.pdf

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

PK-90858-001-001.pdf

PS-99020-0037-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)6375-DC (05 Nov 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

Downloaded from Arrow.com.

- 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	PCB Headers and Receptacles
Series	91999
Description	Appli-Mate RAST 5 Header, Vertical, 2 Circuits, Silver (Ag) Plating, Position Keys 1a & 2b, Code Key d20, Latch Between Circuits 1 & 2, PCB Polarization A, Glow-Wire Capable
Application	Power, Wire-to-Board
Comments	This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to

Downloaded from Arrow.com.

	heat and fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.
Component Type	PCB Header
Product Name	RAST 5
UPC	883906536145

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	16.0A
Voltage - Maximum	250V AC

Physical

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural (White)
Durability (mating cycles max)	10
First Mate / Last Break	No
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes

Downloaded from Arrow.com.

Material - Metal	Brass
Material - Plating Mating	Silver
Material - Plating Termination	Silver
Material - Resin	Nylon
Net Weight	2.613/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Bag
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.50mm
PC Tail Length	3.50mm
Pitch - Mating Interface	5.00mm
Pitch - Termination Interface	5.00mm
Plating min - Mating	2.000µm
Plating min - Termination	0.100µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-20° to +120°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
Appli-Mate RAST 5 IDT Housings	91778
Appli-Mate RAST 5 IDT Housings	91779
5.00mm Pitch Appli-Mate RAST 5 IDT Connector System Female Receptacles	91954

Use with Part(s)

Description	Part Number

Downloaded from Arrow.com.

Use With	RAST Standard Interface

Application Tooling

Global

Description	Part Number
RAST 5 Power Semi-Automatic IDC Machine	2166580200

Downloaded from Arrow.com.