

## BergStak® 0.635mm Connector

### MICRO PITCH LOW PROFILE HIGH SPEED BOARD-TO-BOARD CONNECTOR

BergStak® 0.635mm pitch is a compact board-to-board connector with low stack height of 3.00mm. Available in 80 and 140 positions it support applications which require high pin counts and low profile connection.

BergStak® 0.635mm supports signal speeds up to 8Gb/s with an open-pin-field, providing design flexibility.

- Micro pitch of 0.635mm
- Low profile design to support 3mm stack height
- Polarization feature to prevent mis-mating
- Side walls to protect the contacts during mating
- High-speed performance



#### TARGET MARKETS



#### FEATURES

- Micro pitch of 0.635mm with a low profile design
- High pin counts of 80 and 140
- Polarization and mis-alignment features to support correct and easier mating
- Side walls to protect contacts
- High-speed performance of 8Gb/s with open-pin-field

#### BENEFITS

- High performance, space saving solution
- Ideal for applications that require high pin counts
- Prevents mis-mating and ensures proper mating
- Minimizes contact deforming risk during mating
- Offers design flexibility for high speed applications

## TECHNICAL INFORMATION

### MATERIAL

- Housing: High temperature thermoplastic LCP, Black (UL94V-0)
- Terminal: Copper Alloy, High spring
- Plating: Gold flash

### ELECTRICAL PERFORMANCE

- Current Rating: 0.5A per contact (all contacts powered)
- Insulation Resistance: 1000MΩ min.
- Voltage Rating: 100VAC/DC
- LLCR: 20mΩ max.
- Data rate: 8Gb/s

### MECHANICAL PERFORMANCE

- Mating and un-mating Force: 0.7N max. & 0.12N min./contact
- Durability: 50 cycles
- Mechanical Shock: EIA 364-27
- Vibration: MIL-STD-202, Method 201

### ENVIRONMENTAL

- Operating Temperature Range: -55°C to +85°C
- Salt Spray: 5% Salt Concentration, 48H
- SO2 Gas: 50 ± 5ppm SO2 gas, 24H

### APPROVALS AND CERTIFICATIONS

- UL E66906

### SPECIFICATIONS

- Product Specification: GS-12-1709

### PACKAGING

- Tape and Reel

### TARGET MARKETS/APPLICATIONS



Advanced Driver Assistance Systems (ADAS)



Server/Storage

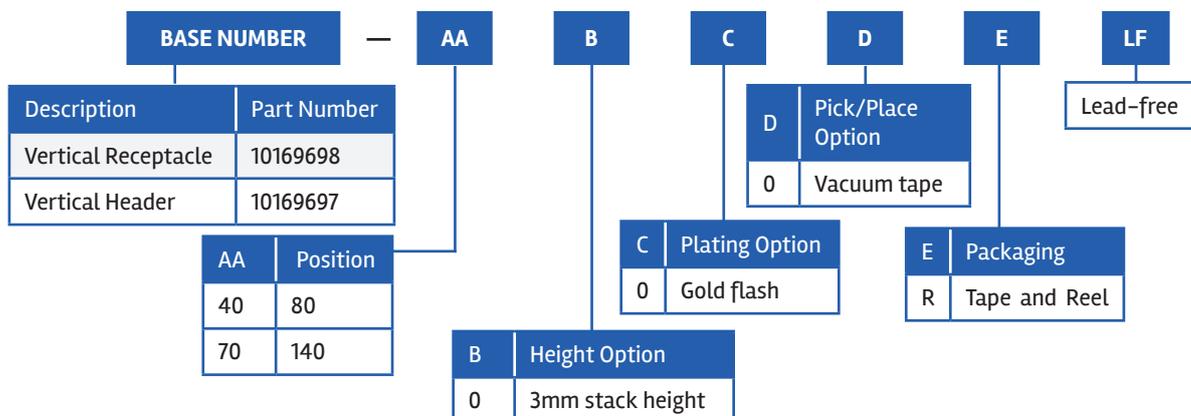


Automation Machines



Medical Devices

## PART NUMBER SELECTOR



## PART NUMBERS

Description	Part Numbers
BergStak® 0.635mm, 80position, Receptacle, 3mm stack height	10169698-4000RLF
BergStak® 0.635mm, 140position, Receptacle, 3mm stack height	10169698-7000RLF
BergStak® 0.635mm, 80position, Header, 3mm stack height	10169697-4000RLF
BergStak® 0.635mm, 140position, Header, 3mm stack height	10169697-7000RLF