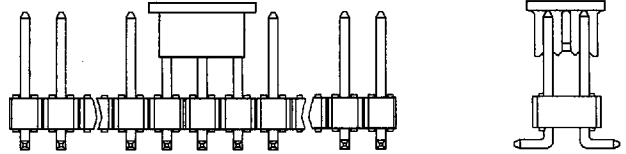


Unshrouded Headers

2.54 x 2.54 mm (0.100 x 0.100 in.)
Centerlines

BergStik® II Surface-Mount Headers BergCon® System



Features

- 2-Row: 2 through 34 total positions.
- End-to-end stackable on 2.54 mm (0.100 in.) centerlines.
- Can be manually broken to the desired length.
- Drawn (not stamped) 0.64 mm (0.025 in.) square wire presents four surfaces of equal quality.
- High-temperature plastic for infra-red soldering operations.
- Available with gold and tin-lead platings.

Mating Data

Mates with 0.64 mm (0.025 in.) compatible receptacles on 2.54 mm (0.100 in.) centerlines.

| Berg Electronics Products | Page |
|------------------------------------|----------------------------|
| ▪ Card Connectors | 13-124, 13-134, and 13-138 |
| ▪ PV™/Mini-latch Housing | 13-4 and 13-16 |
| ▪ Quickie III™ | 23-4 |
| ▪ Duflex™ | 21-4 |
| ▪ Clincher™ | 20-2 |
| ▪ Mini-jump™ | 13-44 |

Specifications

- MIL-G-45204
- MIL-P-55110
- MIL-P-81728
- QQ-W-343
- ASTM B-159

Approvals and Certifications

File no. E66906

File no. LR46923

Options

- Tape-on-reel, bags, or tube packaging.
- Custom polarization available.

Technical Data

Materials

- Housing material High temperature, Glass-filled PCT (UL 94 V-0)
 - ▶ Color Black
 - ▶ Applicable soldering processes. Wave, Vapor-phase, IR reflow
- Pin Phosphor-bronze

Plating

- Underplate 1.27 µm (50 µin.) nickel
- Finish (Duplex-plated)
 - ▶ Contact area 0.38 µm (15 µin.) gold or 0.76 µm (30 µin.) gold
 - ▶ Surface-mount area tin-lead
- Finish (Simplex-plated) 0.38 µm (15 µin.) gold or 0.76 µm (30 µin.) gold or 1.27 µm (50 µin.) gold or 0.38 µm (15 µin.) GXT™ or 0.76 µm (30 µin.) GXT™
- Finish (Simplex-plated) 3.81 µm (150 µin.) tin-lead

Electrical Performance

- Insulation resistance. 5000 MΩ min
- Withstanding voltage 1500 V ac rms (sea level)
- Current rating 3 amp continuous

Mechanical Performance

- Contact retention (pin to housing) 8.88 N (2 lbf)

Operating Environment

- Temperature range -65°C to +130°C

Packaging

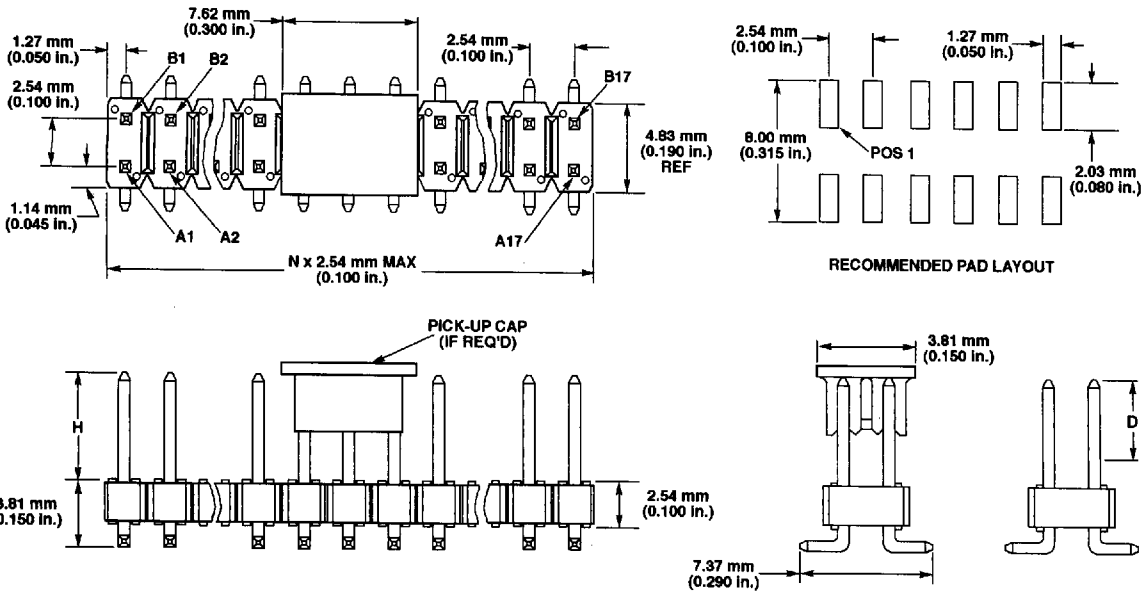
- Antistatic Bags Standard
- Antistatic Tubes. available on selected part numbers
- Tape-on-reel Available on selected part numbers

Customer Support Materials

| Description | Order No. | Description | Order No. |
|------------------------------------|---------------------------|--------------------------|--------------|
| Customer Product Drawings. | By Part Number | Product Samples. | Upon Request |
| Product Specifications. | BUS-12-114 | Test Data | Upon Request |
| Product Substitutions | Contact Technical Support | | |

Description

Straight 2-Row BergStik® II Surface-Mount Headers



Ordering Data

Duplex Plated

Base number specifies pin length and style

□ □ □ □ □ - X Y Y

This digit specifies plating

These digits specify total number of positions (4 through 34 available)

0.76 μm (30 μin.) gold over 1.27 μm (50 μin.) nickel on contact area
0.38 μm (15 μin.) gold over 1.27 μm (50 μin.) nickel on contact area

-1YY
-2YY

Plating

| Part Numbers | Dimensions | | | |
|--------------|------------------------------------|-------|---------------------|-------|
| | H-Mating (Length Above Plastic) | | D (Contact Area) | |
| | mm | in. | mm | in. |
| 95157-XY Y | 5.84 | 0.230 | 4.70 | 0.185 |
| 95159-XY Y | 8.08 | 0.318 | 5.08 | 0.200 |

Ordering Data

Simplex Plated

Base number specifies pin length and style

□ □ □ □ □ - X Y Y H

These digits specify total number of positions (4 through 34 available)

This digit specifies plating

High temperature plastic

0.76 μm (30 μin.) gold over 1.27 μm (50 μin.) nickel
0.38 μm (15 μin.) gold over 1.27 μm (50 μin.) nickel
1.27 μm (50 μin.) gold over 1.27 μm (50 μin.) nickel

-1YY
-2YY
-3YY

3.81 μm (150 μin.) tin-lead
0.38 μm (15 μin.) GXT™ over 1.27 μm (50 μin.) nickel
0.76 μm (30 μin.) GXT™ over 1.27 μm (50 μin.) nickel

-4YY
-5YY
-6YY

Plating

| Part Numbers | H-Mating (Length Above Plastic) | |
|--------------|---------------------------------|-------|
| | mm | in. |
| 71216-XY YH | 5.84 | 0.230 |
| 71217-XY YH | 8.08 | 0.318 |

Ordering data shown is for our standard product offering. for non-standard or custom products, contact your authorized Berg Electronics representative.