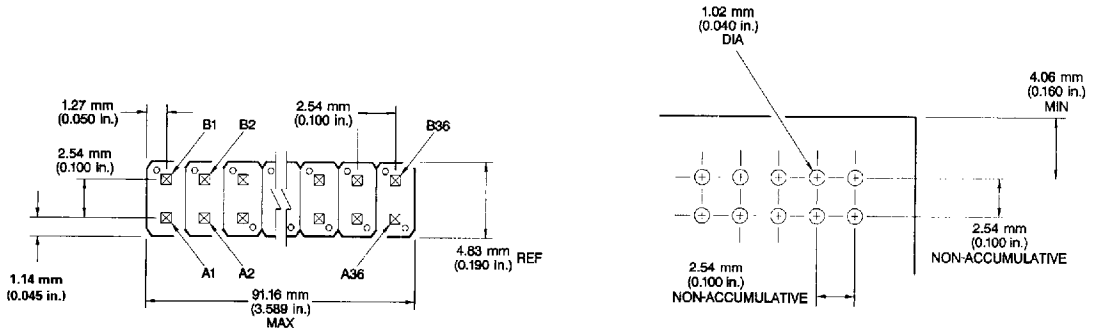
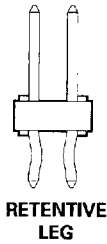
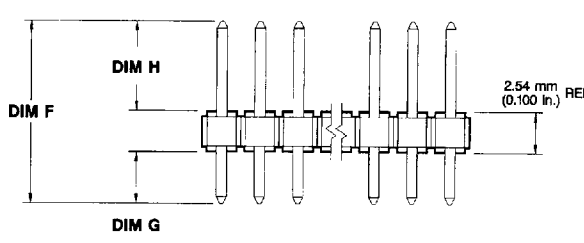


**Unshrouded Headers**  
**2.54 x 2.54 mm (0.100 x 0.100 in.)**

**Description**  
**Straight 2-Row BergStik® II Headers**  
**Retentive Leg**



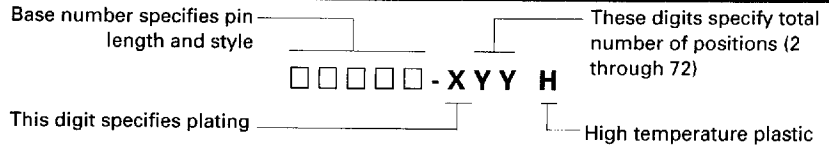
**RECOMMENDED HOLE PATTERN**



**RETENTIVE LEG**

A183396-0198 B

**Ordering Data**



**Plating**

0.76 µm (30 µin.) gold over 1.27 µm (50 µin.) nickel	-1YY	3.81 µm (150 µin.) tin-lead	-4YY
0.38 µm (15 µin.) gold over 1.27 µm (50 µin.) nickel	-2YY	0.38 µm (15 µin.) GXT™ over 1.27 µm (50 µin.) nickel	-5YY
1.27 µm (50 µin.) gold over 1.27 µm (50 µin.) nickel	-3YY	0.76 µm (30 µin.) GXT™ over 1.27 µm (50 µin.) nickel	-6YY

Part Numbers	Dimensions					
	H-Mating (Length Above Plastic)		G-Tail (Length Below Plastic)		F (Overall Pin Length)	
	mm	in.	mm	in.	mm	in.
90824-XYYH	5.08	0.200	3.05	0.120	10.67	0.420
94654-XYYH	5.84	0.230	2.16	0.085	10.80	0.425
69192-XYYH	5.84	0.230	3.05	0.120	11.43	0.450
<b>86380-XYYH</b>	<b>6.35</b>	<b>0.250</b>	<b>3.05</b>	<b>0.120</b>	<b>11.94</b>	<b>0.470</b>
<b>78548-XYYH</b>	<b>8.08</b>	<b>0.318</b>	<b>3.05</b>	<b>0.120</b>	<b>13.67</b>	<b>0.538</b>
<b>87837-XYYH</b>	<b>9.27</b>	<b>0.365</b>	<b>3.05</b>	<b>0.120</b>	<b>14.86</b>	<b>0.585</b>
79214-XYYH	10.16	0.400	3.05	0.120	15.75	0.620
88714-XYYH	10.67	0.420	3.05	0.120	16.26	0.640
78577-XYYH	10.92	0.430	3.05	0.120	16.51	0.650
<b>86584-XYYH</b>	<b>13.72</b>	<b>0.540</b>	<b>3.05</b>	<b>0.120</b>	<b>19.30</b>	<b>0.760</b>
<b>87920-XYYH</b>	<b>15.49</b>	<b>0.610</b>	<b>3.05</b>	<b>0.120</b>	<b>21.08</b>	<b>0.830</b>
<b>87456-XYYH</b>	<b>15.75</b>	<b>0.620</b>	<b>3.05</b>	<b>0.120</b>	<b>21.34</b>	<b>0.840</b>
95654-XYYH	16.76	0.660	3.05	0.120	22.35	0.880
89580-XYYH	18.03	0.710	3.05	0.120	23.62	0.930
87457-XYYH	19.56	0.770	3.05	0.120	25.15	0.990
<b>95068-XYYH</b>	<b>25.91</b>	<b>1.020</b>	<b>3.05</b>	<b>0.120</b>	<b>31.50</b>	<b>1.240</b>
<b>88526-XYYH</b>	<b>28.45</b>	<b>1.120</b>	<b>3.05</b>	<b>0.120</b>	<b>34.04</b>	<b>1.340</b>

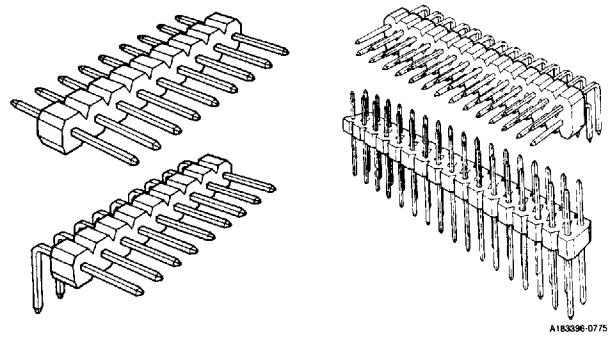
Ordering data shown is for our standard product offering. for non-standard or custom products, contact your authorized Berg Electronics representative.



# Unshrouded Headers

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

**BergStik® II Headers**  
**BergCon® System**



A183396-0775

## Features

- 1-Row: 1 through 36 total positions.  
2-Row: 2 through 72 total positions.  
3-Row: 9 through 108 total positions.
- End-to-end and side-to-side 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.
- Standoffs allow cleaning to eliminate soldering contaminants.
- Optional retention tail provides 2.224 N (0.5 lbf) minimum retention prior to soldering on 1.58 mm (0.062 in.) thick pc boards.
- High-temperature plastic for infra-red soldering operations.
- Available with gold, GXT™ (palladium nickel alloy with gold flash) and tin-lead platings.

## Options

- Advanced ground.
- Retentive leg solder tails.
- Custom polarization available.

## 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 . . . . .	13-122, 13-132, and 13-136
▪ PV™/Mini-latch Housing . . . . .	13-4 and 13-16
▪ Quickie III™ . . . . .	23-4
▪ 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

## Application Equipment

Description	Page
▪ Cutting tool HT-320 . . . . .	13-69

## 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 . . . . . 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 . . . . . 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

- Retentive leg insertion force\* . . . . . >44.48 N (10 lbf) max\*
- Retentive leg connector retention . . . . . 2.22 N (0.5 lbf) min\*
- Contact retention (pin to housing) . . . . . 8.88 N (2 lbf)

### Operating Environment

- Temperature range . . . . . -65°C to +130°C

### Packaging

- Antistatic Bags
- Antistatic Tubes . . . . . available on selected part numbers

\*Per retentive pin-pair.

## Customer Support Materials

Description	Order No.	Description	Order No.
Customer Product Drawings . . . . .	By Part Number	Product Samples . . . . .	Upon Request
Product Specifications . . . . .	BUS-12-050	Test Data . . . . .	Upon Request
Product Substitutions . . . . .	Contact Technical Support		

■ 9005411 0002556 668 ■

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