

# .050" PIN STRIP HEADER (Straight)

## FEATURES

- Super low profile for tight applications
- Smaller centers allow higher density packaging
- Pin tip geometry reduces insertion forces
- Custom applications available ... call us!
- Mates with Crane's ATF and AFF Series Sockets

Smaller

## STANDARD PART DIMENSIONS

| MATING |          | Single Row PFH                   | Dual Row PFH    | Dual Row PFF    |
|--------|----------|----------------------------------|-----------------|-----------------|
| P      | POST "B" | 0.220" / 5,58mm                  | 0.220" / 5,58mm | 0.220" / 5,58mm |
|        | POST "C" | 0.120" / 3,05mm                  | 0.120" / 3,05mm | 0.120" / 3,05mm |
|        | POST "I" | See Selected Options (next page) |                 |                 |

| INSULATOR BODY |            | Single Row PFH  | Dual Row PFH    | Dual Row PFF    |
|----------------|------------|-----------------|-----------------|-----------------|
| W              | WIDTH      | 0.100" / 2,54mm | 0.180" / 4,57mm | 0.130" / 3,30mm |
| H              | HEIGHT     | 0.050" / 1,27mm | 0.050" / 1,27mm | 0.050" / 1,27mm |
| C              | ROW TO ROW | N/A             | 0.100" / 2,54mm | 0.050" / 1,27mm |

| PC TAIL |        | Single Row PFH  | Dual Row PFH    | Dual Row PFF    |
|---------|--------|-----------------|-----------------|-----------------|
| L       | LENGTH | 0.100" / 2,54mm | 0.100" / 2,54mm | 0.100" / 2,54mm |

For other lengths, see Selected Options (next page)

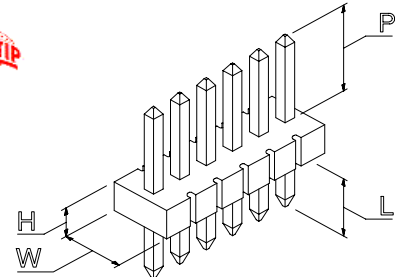
## MATERIALS

|                |  |
|----------------|--|
| INSULATOR BODY | High Temperature Thermoplastic (UL94V-O) |
| POST           | Phosphor Bronze                          |

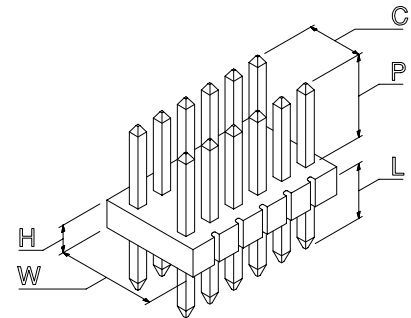
See SPECIFICATIONS and PERFORMANCE DATA for more detail

**Mates with Crane's ATF and AFF Series Board Mount Sockets**

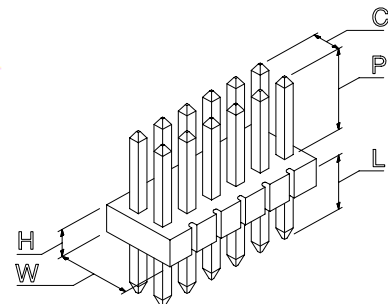
## SINGLE ROW (1 to 60 Positions) PFH




## DUAL ROW (2 to 100 Positions) PFH



## DUAL ROW (2 to 120 Positions) - PFF



**SAMPLE HOTLINE: 1-800-676-7644**

| 0.050" (1,27mm) Centers<br>0.018" (0,46mm) Square or<br>Round Mating Posts  |        | HOW TO ORDER CRANE'S PFF / PFH SERIES |   |                          |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
|---|--------|---------------------------------------|---|--------------------------|---|------|--------|----------|---|---|---|--|--|--|--|--|--|--|--|
|   |        | STANDARD PART NUMBER                  |   |                          |   |      |        | OPTIONAL |   |   |   |  |  |  |  |  |  |  |  |
|   |        |                                       |   |                          |   |      | --     |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>PRODUCT SERIES</b>   |        | PF                                    |   |                          |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>INSULATOR STYLE</b>  |        | SINGLE                                |   | H                        |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | 050 x 100                             |   | DUAL                     |   | H    |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | 050 x 050                             |   | DUAL                     |   | F    |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>TOTAL NUMBER OF POSITIONS</b>  |        | SINGLE                                |   | 01-60                    |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | DUAL                                  |   | 02-120                   |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>NUMBER OF ROWS</b>   |        | SINGLE                                |   | S                        |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | DUAL                                  |   | D                        |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>TYPE OF HEADER</b>   |        | STRAIGHT                              |   | S                        |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>PLATING (See Specs Below)</b>  |        | G or T                                |   |                          |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>MATING POST DATA</b>   |        | Mating Post Length                    |   | Min. Gold Plated Area    |   |      |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | 0.220" / 5,58mm                       |   | 0.150" / 3,81mm          |   | B    |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | 0.120" / 3,05mm                       |   | 0.080" / 2,03mm          |   | C    |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | OPTIONAL LENGTH - See Below           |   |                          |   | I    |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>TAIL (0.100" / 2,54mm) STANDARD</b>  |        | SQUARE                                |   | 0.018" / 0,46mm          |   | Q    |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>TAIL OPTIONS</b>   |        | KINKED                                |   | 0.018" / 0,46mm          |   | K    |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | ROUNDED                               |   | 0.020" / 0,51mm Diagonal |   | R    |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   |        | ROUND (WHOLE PIN)                     |   | 0.018" / 0,46mm Diameter |   | D    |        |          |   |   |   |  |  |  |  |  |  |  |  |
| <b>SELECTED OPTIONS</b>   |        |                                       |   |                          | POST  | TAIL |        |          |   |   |   |  |  |  |  |  |  |  |  |
| If the standard dimensions shown above meet your needs, please disregard this section.<br><br>If you need one of our OPTIONAL dimensions, just add the designator (see chart) to the end of the standard part number. For example, to order a 0.300" post with a 0.100" tail, specify:<br><br><b>PFH60SS-GIR300</b><br><br>Many other sizes are available. Please contact the factory for more information. |        |                                       |   |                          |  | I    | 0.080" | 0.100"   | 0 | 8 | 0 |  |  |  |  |  |  |  |  |
|   |        |                                       |   |                          |   |      | 0.200" | 0.100"   | 2 | 0 | 0 |  |  |  |  |  |  |  |  |
|   |        |                                       |   |                          |   |      | 0.300" | 0.100"   | 3 | 0 | 0 |  |  |  |  |  |  |  |  |
|   |        |                                       |   |                          |   |      | 0.400" | 0.100"   | 4 | 0 | 0 |  |  |  |  |  |  |  |  |
| C   | 0.120" | 0.070"                                | T | 0                        | 7   | 0    |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   | 0.120" | 0.180"                                | T | 1                        | 8   | 0    |        |          |   |   |   |  |  |  |  |  |  |  |  |
|   | 0.120" | 0.280"                                | T | 2                        | 8   | 0    |        |          |   |   |   |  |  |  |  |  |  |  |  |

|   |        |        |   |   |   |   |
|---|--------|--------|---|---|---|---|
|   | 0.120" | 0.380" | T | 3 | 8 | 0 |
| B | 0.220" | 0.080" | T | 0 | 8 | 0 |
|   | 0.220" | 0.180" | T | 1 | 8 | 0 |
|   | 0.220" | 0.280" | T | 2 | 8 | 0 |
|   | 0.220" | 0.380" | T | 3 | 8 | 0 |

## CRANE CONNECTORS - PLATING SPECIFICATIONS

| PLATING OPTIONS |            | CONTACT AREA<br>Inches (Millimeters) | PC TAIL<br>Inches (Millimeters)       | UNDERPLATE<br>Inches (Millimeters)  |
|-----------------|------------|--------------------------------------|---------------------------------------|-------------------------------------|
| <b>G</b>        | Selective  | 15 $\mu$ l" (0,00038) Gold           | 100 $\mu$ l" (0,00254) Tin/Lead - Min | 50 $\mu$ l" (0,00127) Nickel - Min. |
| <b>T</b>        | Tin / Lead | 100 $\mu$ l" (0,00254) Tin / Lead    | 100 $\mu$ l" (0,00254) Tin/Lead - Min | 50 $\mu$ l" (0,00127) Nickel - Min. |
| <b>M</b>        | Selective  | 50 $\mu$ l" (0,00127) Gold           | 100 $\mu$ l" (0,00254) Tin/Lead - Min | 50 $\mu$ l" (0,00127) Nickel - Min. |
| <b>H</b>        | Selective  | 30 $\mu$ l" (0,00076) Gold           | 100 $\mu$ l" (0,00254) Tin/Lead - Min | 50 $\mu$ l" (0,00127) Nickel - Min. |
| <b>L</b>        | Selective  | 10 $\mu$ l" (0,00025) Gold           | 100 $\mu$ l" (0,00254) Tin/Lead - Min | 50 $\mu$ l" (0,00127) Nickel - Min. |
| <b>F</b>        | Selective  | 3 $\mu$ l" (0,00008) Gold            | 100 $\mu$ l" (0,00254) Tin/Lead - Min | 50 $\mu$ l" (0,00127) Nickel - Min. |

### ENGINEERING NOTE:

The information presented in this catalog page is accurate to the best of our knowledge. Due to ongoing efforts to advance design and material performance, the information is subject to change without notice.

### STANDARDS

ISO9001



Crane Connectors  
File No. A-3620

Registered by UL to ISO9001 under UL's accreditation by Raad voor de Certificatie (RvC), the Dutch Council for Certification.

**SAMPLE HOTLINE: 1-800-676-7644**

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