

# SURFACE MOUNT HEADER (Straight)

## FEATURES

- MATE-RITE TIP reduces possibility of scraping mating socket
  - Industry standard compatible
  - IR, Vapor and Wave Solder compatible
  - Board retention option prevents unwanted movement
- Mates with Crane's ATP, ATS sockets; JUN jumpers

## STANDARD PART DIMENSIONS

MATING		Single Row	Dual Row
P	POST "A"	0.318" / 8,08mm	0.318" / 8,08mm
	POST "B"	0.230" / 5,84mm	0.230" / 5,84mm
	POST "I"	See Selected Options (next page down)	

INSULATOR BODY		Single Row	Dual Row
W	WIDTH	0.096" / 2,44mm	0.198" / 5,03mm
H	HEIGHT	0.098" / 2,49mm	0.098" / 2,49mm
I	Height Above Board	0.130" / 3,30mm	0.130" / 3,30mm

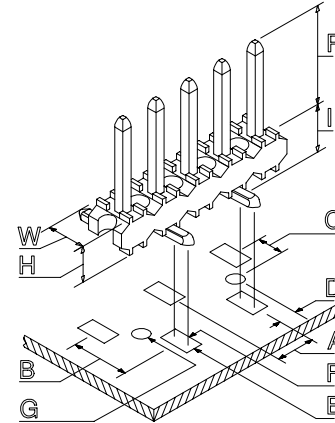
RECOMMENDED PC BOARD LAYOUT		Single Row	Dual Row
A	PAD CENTERLINE SPACING	0.100" / 2,54mm	0.100" / 2,54mm
B		0.140" / 3,56mm	0.240" / 6,10mm
C	PEG HOLE LOCATION	0.070" / 1,78mm	0.120" / 3,05mm
D		0.050" / 1,27mm	0.050" / 1,27mm
E	PAD SIZE	0.045" / 1,14mm	0.045" / 1,14mm
F		0.080" / 2,03mm	0.080" / 2,03mm
G	PEG HOLE DIAMETER	Reference Catalog Page Titled "PEG-PEG"	

## MATERIALS

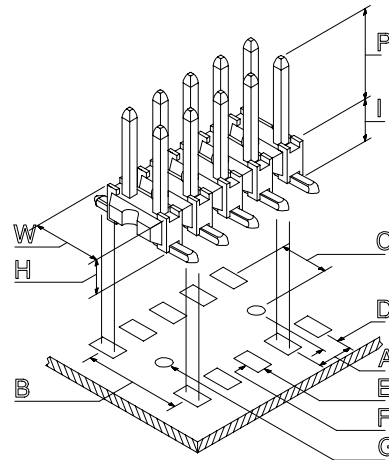
INSULATOR BODY	High Temperature Thermoplastic (UL94V-O)
POST	Phosphor Bronze

Please refer to Catalog Pages marked SPEC SHEET and TEST DATA for more detail.

## SINGLE ROW (2 to 40 Positions)



## DUAL ROW (4 to 80 Positions)



### OPTIONAL HOLD-DOWN PEGS

Crane's patented Hold-Down Pegs secure part to the PC board preventing misalignment during soldering or handling. Please see page three below for more detail.

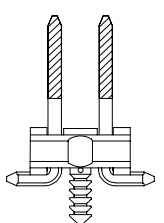
**SAMPLE HOTLINE: 1-800-676-7644**

<b>0.100" (2,54mm) Centers 0.025" (0,64mm) Square Mating Posts</b>	<b>HOW TO ORDER CRANE'S GPEG SERIES</b>									
	STANDARD PART NUMBER								OPTIONAL	
					--					
<b>PRODUCT SERIES</b>	<b>GPEG</b>									
See note below for insulator options										
<b>TOTAL NUMBER OF POSITIONS</b>	SINGLE	<b>02-40</b>								
	DUAL	<b>04-80</b>								
<b>NUMBER OF ROWS</b>	SINGLE	<b>S</b>								
	DUAL	<b>D</b>								
<b>TYPE OF HEADER</b>	STRAIGHT		<b>S</b>							
<b>PLATING (See Page Three Below)</b>	G, T or M, H, L, F									
Due to the number of options, not all platings are stocked for all pin lengths. Contact factory for availability.										
<b>MATING POST DATA</b>	Mating Post Length		Minimum Gold Plated Area							
	0.318" / 8,08mm		0.200" / 5,08mm		<b>A</b>					
	0.230" / 5,84mm		0.180" / 4,57mm		<b>B</b>					
	OPTIONAL LENGTH - See Below				<b>I</b>					
<b>TAIL (SURFACE MOUNT)</b>	COINED		0.028" / 0,71mm Diagonal		<b>S</b>					
<b>SELECTED OPTIONS</b>					POST					
If you need one of our OPTIONAL dimensions, just add one of these designators to the end of the part number.					<b>I</b>	0.185"	<b>1</b>	<b>8</b>	<b>5</b>	
						0.390"	<b>3</b>	<b>9</b>	<b>0</b>	
						0.445"	<b>4</b>	<b>4</b>	<b>5</b>	
						0.485"	<b>4</b>	<b>8</b>	<b>5</b>	

**Crane's Optional HOLD-DOWN PEG Secures Part To PCB**

Crane's unique hold-down pegs (top and bottom entry available) secure part to the PC board preventing misalignment during handling or soldering.

The part at right shows a TOP ENTRY PEG in place. Please see section in catalog Titled "Hold-Down Pegs" for ordering information.





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# CRANE CONNECTORS - PLATING SPECIFICATIONS

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

STANDARD TAIL OPTIONS ON 0.100" (2,54mm) PIN STRIP HEADERS			
"R" COINED	"K" KINKED	"F" FINE	"Q" SQUARE
The standard "R" option provided a coined tail improving solder action while making insertion easier.	The "K" option provides a kinked tail, reducing unwanted movement on the PC board.	The "F" option combines an 0.018" rounded tail with an 0.025" square post. This fine line feature allows more traces between holes.	The "Q" option provides an 0.025" square tail for use in wire wrap applications.

STANDARDS	
 UL File No. E120111 (N)	ISO9001  Crane Connectors File No. A-3620
Recognized to U.S. and Canadian requirements under the Component Recognition Program of Underwriters Laboratories Inc.	Registered by UL to ISO9001 under UL's accreditation by Raad voor de Certificatie (RvC), the Dutch Council for Certification.

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.

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

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