

SURFACE MOUNT HEADER (Straight, Dual Insulator)

FEATURES

- MATE-RITE TIP™ prevents scraping of mating socket
- Industry standard compatible
- IR, Vapor Phase and Wave Solder compatible
- Unique board retention option prevents unwanted movement
- Mates with Crane's ATP, ABH, ABS, ABT, ATS sockets; JUN jumpers

STANDARD PART DIMENSIONS

MATING		Single Row	Dual Row
P	POST LENGTH	Please refer to the chart on the next page for a wide selection of common board spacing options. Call us if the size you need is not listed.	
I	INSULATOR SPACING		
L	PIN LENGTH		

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

RECOMMENDEDE PC BOARD LAYOUT

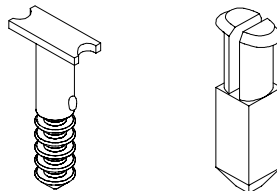
		Single Row	Dual Row
A	PAD CENTERLINE SPACING	0.100" / 2,54mm	0.100" / 2,54mm
B		0.140" / 3,56mm	0.240" / 6,10mm
C	PEG HOLE LOCATION	0.070" / 1,78mm	0.120" / 3,05mm
D		0.050" / 1,27mm	0.050" / 1,27mm
E	PAD SIZE	0.045" / 1,14mm	0.045" / 1,14mm
F		0.080" / 2,03mm	0.080" / 2,03mm
G	PEG HOLE DIA.	Please refer to HOLD DOWN PEG section	

MATERIALS

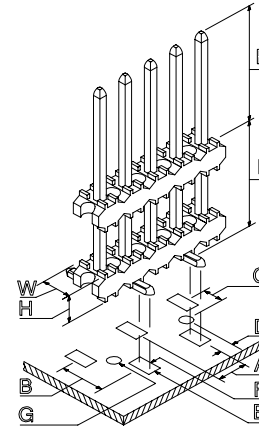
INSULATOR BODY	High Temp Thermoplastic (UL94V-O)
POST	Phosphor Bronze

OPTIONAL HOLD DOWN PEGS (See Special Section In Website Catalog)

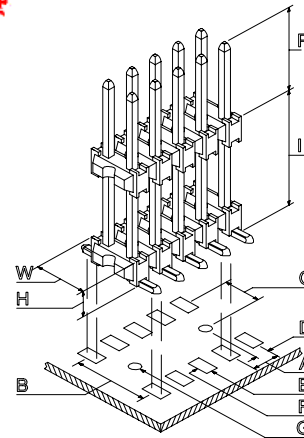
Crane's unique hold-down pegs (top and bottom entry available) secure part to the PC board preventing misalignment during handling or soldering.



SINGLE ROW (3 to 40 positions)



DUAL ROW (4 to 80 positions)



CRANE CONNECTORS

4700 Smith Road • Cincinnati, OH 45212
 Phone: 800-676-7644 (US) or 800-420-7310 (Canada)

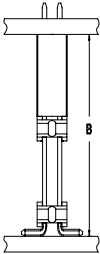
**0.100" (2,54mm) Centers
0.025" (0,64mm) Square
Mating Posts**

HOW TO ORDER CRANE'S GMPEG SERIES

STANDARD PART NUMBER

OPTIONAL

PRODUCT SERIES	GMPEG											
See note below for insulator options.												
TOTAL NUMBER OF POSITIONS	SINGLE	03-40										
	DUAL	04-80										
NUMBER OF ROWS	SINGLE		S									
	DUAL		D									
TYPE OF HEADER	STRAIGHT		S									
PLATING (Please See Plating Chart Below)	CHOOSE G, T or M, H, L, F											
NOTE: Due to the number of options, not all platings are stocked for all lengths. Contact factory for availability.												
TAIL (SURFACE MOUNT)	COINED	0.028" / 0,71mm DIAGONAL								S		

SELECTED OPTIONS	POST LENGTH "P"	BODY SPACING "I"	PIN LENGTH L = P + I + 0.080"			
Many other sizes are available. Please call 1-800-676-7644 (or E-mail us at info@craneconnectors.com) and give us your exact requirements.	0.120" = G	0.300" = E	0.500" = I	G	E	I
	0.130" = I	0.400" = G	0.610" = M	I	G	M
BOARD-TO-BOARD SPACING ("B" DIM) WHEN USED WITH ATP BOARD MOUNT SOCKET	0.130" = I	0.500" = I	0.710" = Q	I	I	Q
	0.100" = D	0.700" = N	0.880" = W	D	N	W
	0.100" = D	0.900" = Q	1.080" = Y	D	Q	Y
GMPEG HEADER MATED WITH ATP SOCKET 	0.425" / 10,80mm	0.200" = Q	0.100" = Z	Q	Z	C
	0.500" / 12,70mm	0.200" = Q	0.175" = B	Q	B	G
	0.525" / 13,34mm	0.220" = S	0.200" = C	S	C	I
	0.625" / 15,99mm	0.230" = B	0.300" = E	B	E	M
	0.750" / 19,00mm	0.170" = N	0.425" = H	N	H	P
	0.875" / 22,23mm	0.210" = R	0.550" = J	R	J	V
	1.000" / 25,40mm	0.180" = V	0.675" = M	V	M	X
	1.125" / 28,58mm	0.200" = Q	0.800" = O	Q	O	Y
	1.225" / 31,12mm	0.220" = S	0.900" = Q	S	Q	D

SAMPLE HOTLINE: 1-800-676-7644

CRANE CONNECTORS - PLATING SPECIFICATIONS

PLATING OPTIONS		CONTACT AREA Inches (Millimeters)	PC TAIL Inches (Millimeters)	UNDERPLATE Inches (Millimeters)
G	Selective	15 μ " (0,00038) gold	100 μ " (0,00254) Tin/Lead - Min	50 μ " (0,00127) Nickel - Min.
T	Tin / Lead	100 μ " (0,00254) Tin / Lead	100 μ " (0,00254) Tin/Lead - Min	50 μ " (0,00127) Nickel - Min.
M	Selective	50 μ " (0,00127) Gold	100 μ " (0,00254) Tin/Lead - Min	50 μ " (0,00127) Nickel - Min.
H	Selective	30 μ " (0,00076) Gold	100 μ " (0,00254) Tin/Lead - Min	50 μ " (0,00127) Nickel - Min.
L	Selective	10 μ " (0,00025) Gold	100 μ " (0,00254) Tin/Lead - Min	50 μ " (0,00127) Nickel - Min.
F	Selective	3 μ " (0,00008) Gold	100 μ " (0,00254) Tin/Lead - Min	50 μ " (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 provides 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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 Phone: (513) 631-4700 • Fax (513) 631-5700 • Toll Free US (800) 676-7644 • Canada (800) 420-7310