



*Electronics*

# **.8mm Free Height (FH) Connector System**

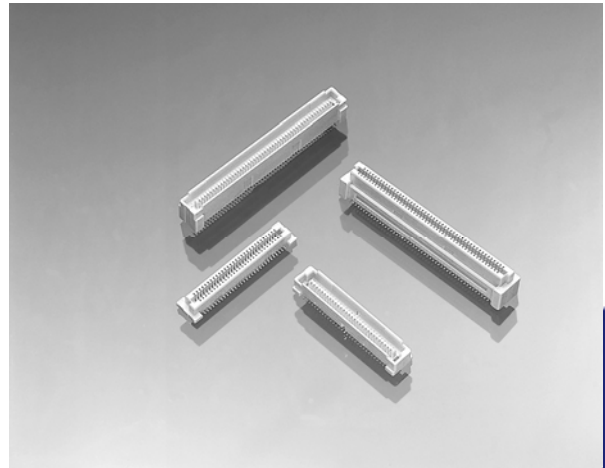
*Now offering 30u" Gold Plating Options  
and Right Angle Plugs*

## **DESCRIPTION**

The popular .8mm FH connector system is now available with 30u" Gold Plating. In addition, a right angle plug in 60 and 80 positions is also available. The right angle plug product is a thru-hole, while the balance of the product line remains surface mount.

## **APPLICATION**

The 30u" Gold product is intended for stacking applications in high end Computer, Telecommunications, Industrial, and Mil/Aero applications. The right angle plug is ideal for test cards and card extenders, and mates to standard vertical receptacles.



## **KEY FEATURES**

- Available Position Sizes: 40 thru 200 positions in increments of 20 positions
- Stack Height Options: 5mm thru 16mm in increments of 1mm
- Tube, Tube with Pickup Cap, and Tape and Reel Packaging Options
- Polarized locating posts
- 8u" Gold, and 30u" Gold plating options
- RoHS Compliant numbers available now
- Optional Solder Peg (holddown)
- Right Angle Plugs in 60 and 80 positions

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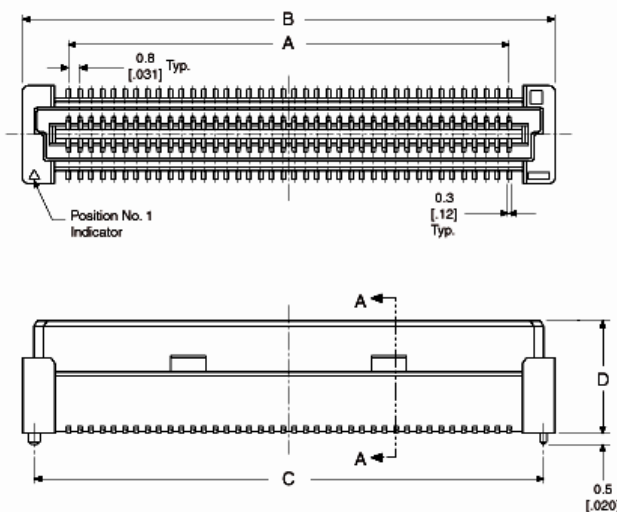
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## RECEPTACLE PART NUMBERS

Height	Plating Au Thickness	Package Type	Pickup Cap	40pos	60pos	80pos	100pos	120pos	140pos	160pos	180pos	200pos
5H	8u"	Tube	no	177983-1	177983-2	177983-3	177983-4	177983-5	177983-6	177983-8	177983-9	1-177983-0
		Tube	yes	179229-1	179229-2	179229-3	179229-4	179229-5	179229-6	179229-8	179229-9	1-179229-0
		Tape and Reel	yes	177985-1	177985-2	177985-3	177985-4	177985-5	177985-6	177985-8		
	30u"	Tube	no	1123000-1	1123000-2	1123000-3	1123000-4	1123000-5	1123000-6	1123000-8	1123000-9	1-1123000-0
		Tube	yes									
		Tape and Reel	yes	353999-1	353999-2	353999-3	353999-4	353999-5	353999-6	353999-8		
9H	8u"	Tube	no	5-179009-1	5-179009-2	5-179009-3	5-179009-4	5-179009-5	5-179009-6	5-179009-8	5-179009-9	6-179009-0
		Tube	yes		5-179232-2	5-179232-3	5-179232-4	5-179232-5	5-179232-6	5-179232-8	5-179232-9	6-179232-0
		Tape and Reel	yes	5-179180-1	5-179180-2	5-179180-3	5-179180-4	5-179180-5	5-179180-6			
	30u"	Tube	no	84613-1	84613-2	84613-3	84613-4	84613-5	84613-6	84613-8	84613-9	1-84613-0
		Tube	yes									
		Tape and Reel	yes	7-179180-1	7-179180-2	7-179180-3	7-179180-4	7-179180-5	7-179180-6			
13H	8u"	Tube	no	5-179010-1	5-179010-2	5-179010-3	5-179010-4	5-179010-5	5-179010-6	5-179010-8	5-179010-9	6-179010-0
		Tube	yes	5-179233-1	5-179233-2	5-179233-3	5-179233-4	5-179233-5	5-179233-6	5-179233-8	5-179233-9	6-179233-0
		Tape and Reel	yes	84616-1	84616-2	84616-3	84616-4	84616-5	84616-6	84616-8	84616-9	
	30u"	Tube	no	5-1123212-1	5-1123212-2	5-1123212-3	5-1123212-4	5-1123212-5	5-1123212-6	5-1123212-8	5-1123212-9	6-1123212-0
		Tube	yes									7-1123212-0
		Tape and Reel	yes	84618-1	84618-2	84618-3	84618-4	84618-5	84618-6	84618-8	84618-9	

Stack Height = ((Rcpt Height + Plug Height) - 5)

example: ((13H Rcpt + 6H Plug) - 5) = ((13 + 6) - 5) = 14mm stack height



No. of Positions	Dimensions			Height	5H	9H	13H
	A	B	C				
40	15.20	21.80	20.20	Dim D	3.75	7.75	11.75
	.598	.858	.795		.148	.305	.483
60	23.20	29.80	28.20	Dim E	6.00	6.80	6.80
	.913	1.173	1.110		.236	.268	.268
80	31.20	37.80	36.20				
	1.228	1.488	1.425				
100	39.20	45.80	44.20				
	1.543	1.803	1.740				
120	47.20	53.80	52.20				
	1.858	2.118	2.055				
140	55.20	61.80	60.20				
	2.173	2.433	2.370				
160	63.20	69.80	68.20				
	2.488	2.748	2.685				
180	71.20	77.80	76.20				
	2.803	3.063	3.000				
200	79.20	85.80	84.20				
	3.118	3.378	3.315				

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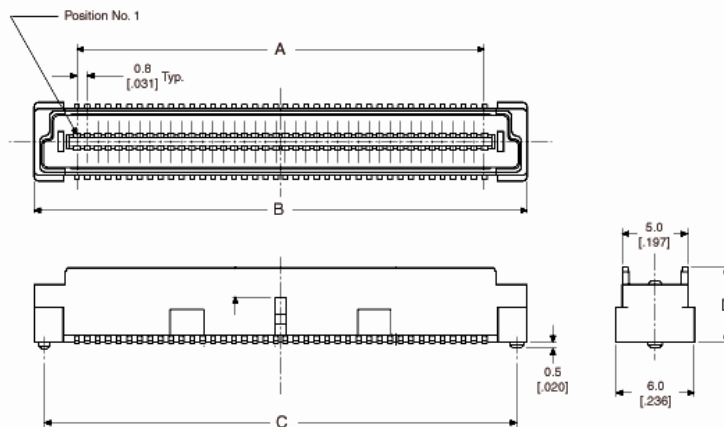
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## PLUG PART NUMBERS

Height	Plating Au Thickness	Package Type	Pickup Cap	40pos	60pos	80pos	100pos	120pos	140pos	160pos	180pos	200pos
5H	8u"	Tube	no	177984-1	177984-2	177984-3	177984-4	177984-5	177984-6	177984-8	177984-9	1-177984-0
		Tube	yes	179230-1	179230-2	179230-3	179230-4	179230-5	179230-6	179230-8	179230-9	1-179230-0
		Tape and Reel	yes	177986-1	177986-2	177986-3	177986-4	177986-5	177986-6	177986-8		
	30u"	Tube	no	84614-1	84614-2	84614-3	84614-4	84614-5	84614-6	84614-8	84614-9	1-84614-0
		Tube	yes									
6H	8u"	Tube	no	179029-1	179029-2	179029-3	179029-4	179029-5	179029-6	179029-8	179029-9	1-179029-0
		Tube	yes	2-179230-1	2-179230-2	2-179230-3	2-179230-4	2-179230-5	2-179230-6	2-179230-8	2-179230-9	3-179230-0
		Tape and Reel	yes	1-177986-1	1-177986-2	1-177986-3	1-177986-4	1-177986-5	1-177986-6			
	30u"	Tube	no	84615-1	84615-2	84615-3	84615-4	84615-5	84615-6	84615-8	84615-9	1-84615-0
		Tube	yes							1-84615-8	1-84615-9	2-84615-0
7H	8u"	Tube	no	179030-1	179030-2	179030-3	179030-4	179030-5	179030-6	179030-8	179030-9	1-179030-0
		Tube	yes	4-179230-1	4-179230-2	4-179230-3	4-179230-4	4-179230-5	4-179230-6	4-179230-8	4-179230-9	5-179230-0
		Tape and Reel	yes	2-177986-1	2-177986-2	2-177986-3	2-177986-4	2-177986-5	2-177986-6			
	30u"	Tube	no	1-179030-1	1-179030-2	1-179030-3	1-179030-4	1-179030-5	1-179030-6	1-179030-8	1-179030-9	2-179030-0
		Tube	yes	2-179030-1	2-179030-2	2-179030-3	2-179030-4	2-179030-5	2-179030-6	2-179030-8	2-179030-9	3-179030-0
8H	8u"	Tube	no	179031-1	179031-2	179031-3	179031-4	179031-5	179031-6	179031-8	179031-9	1-179031-0
		Tube	yes	6-179230-1	6-179230-2	6-179230-3	6-179230-4	6-179230-5	6-179230-6	6-179230-8	6-179230-9	7-179230-0
		Tape and Reel	yes	3-177986-1	3-177986-2	3-177986-3	3-177986-4	3-177986-5	3-177986-6	3-177986-8	3-177986-9	
	30u"	Tube	no	1123002-1	1123002-2	1123002-3	1123002-4	1123002-5	1123002-6	1123002-8	1123002-9	1-1123002-0
		Tube	yes									
R/A	8u"	Tube	no		316229-3	316229-2						

Stack Height = ((Rept Height + Plug Height) - 5)

example: ((13H Rept + 6H Plug) - 5) = ((13 + 6) - 5) = 14mm stack height

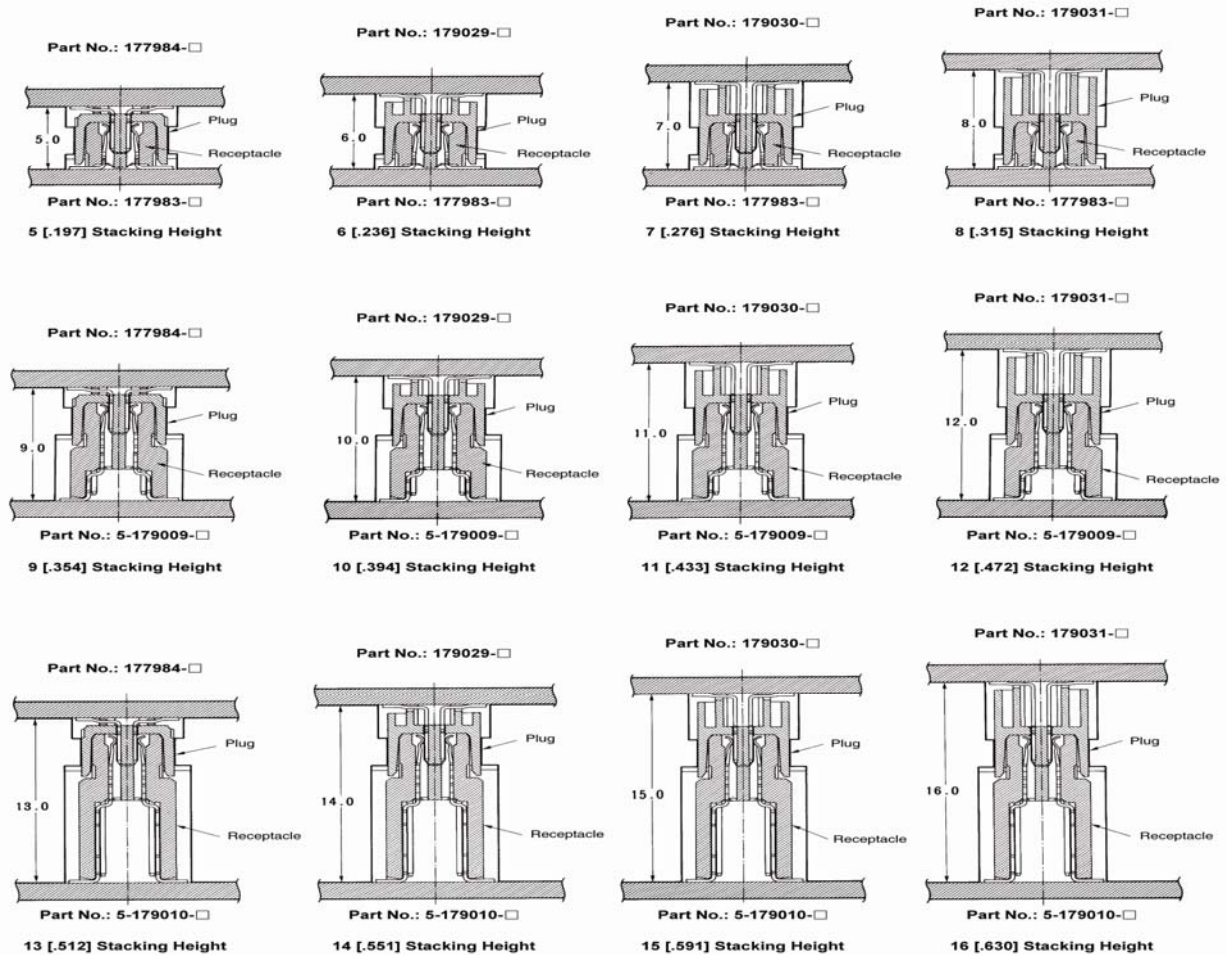


No. of Positions	Dimensions			Height	5H	6H	7H	8H
	A	B	C					
40	15.20	21.80	20.20	Dim D	4.60	5.60	6.60	7.60
	.598	.858	.795		.181	.220	.260	.300
60	23.20	29.80	28.20					
	.913	1.173	1.110					
80	31.20	37.80	36.20					
	1.228	1.488	1.425					
100	39.20	45.80	44.20					
	1.543	1.803	1.740					
120	47.20	53.80	52.20					
	1.858	2.118	2.055					
140	55.20	61.80	60.20					
	2.173	2.433	2.370					
160	63.20	69.80	68.20					
	2.488	2.748	2.685					
180	71.20	77.80	76.20					
	2.803	3.063	3.000					
200	79.20	85.80	84.20					
	3.118	3.378	3.315					

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## BOARD-TO-BOARD STACKING HEIGHTS (By Plug/Receptacle Combinations)



Note: See charts for specific dash nos. of sizes 40 to 200 positions (in 20-position increments).

## FOR MORE INFORMATION

Product Specification: 108-5390

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