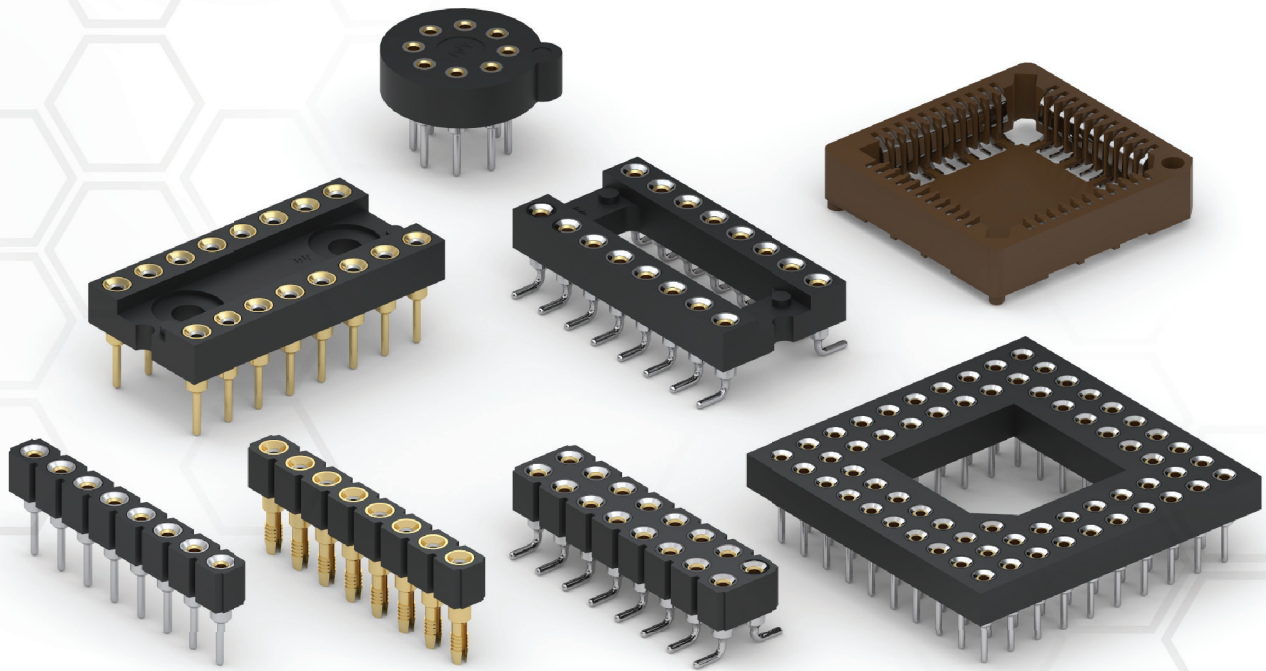




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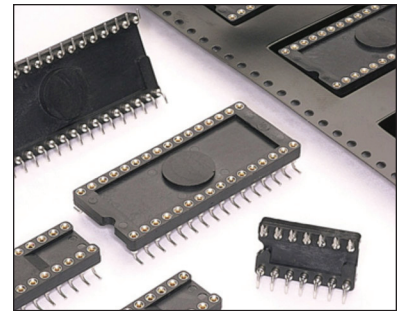
# IC SOCKETS TO SOCKETS



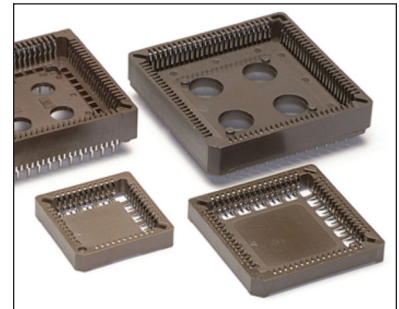


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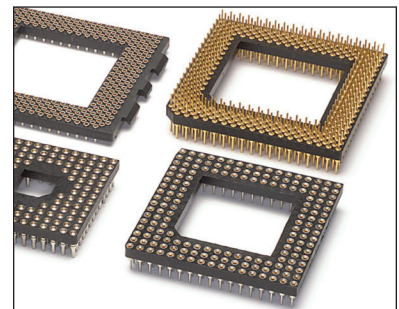
**MILL-MAX IC SOCKETS PROVIDE A VARIETY OF OPTIONS FOR MAKING DEVICE-TO-BOARD CONNECTIONS.** Our IC Sockets utilize the Mill-Max receptacle as the connection between the IC device and the circuit board. The precision-machined receptacle shell is available in multiple variations to fit many applications. We offer a wide choice of sockets in several board termination types including: solder-tail, press-fit, surface mount and wrapost. These sockets allow for upgradeability and field repair and provide versatility for device substitution between models of a product line.



IC Sockets can be loaded manually for soldering or press-fitting, or when volume placement is required, sockets can be packaged on tape and reel providing labor-saving solutions for our customers.

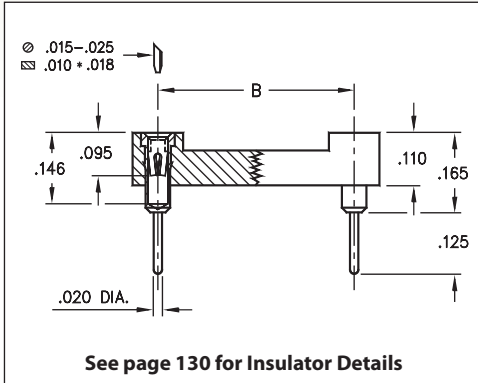


We will gladly quote custom application-specific products in addition to the products found on the following pages.

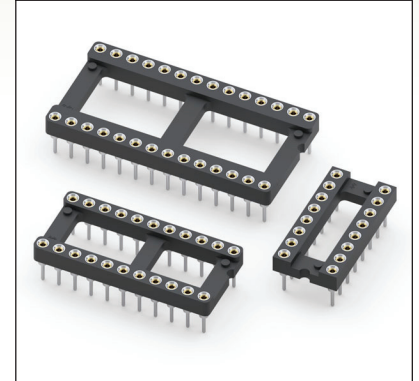


# DUAL-IN-LINE SOCKETS

## SERIES 110...001 • STANDARD SOLDER TAIL • OPEN FRAME



- All DIP sockets accept .015" - .025" diameter and standard IC leads
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 110 uses MM #1001 pins. See page 165 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



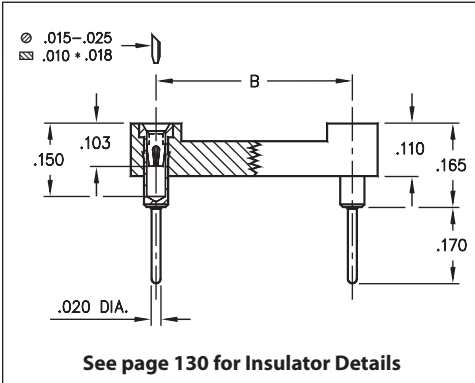
Total number of pins				Quantity per tube	<h3>ORDERING INFORMATION</h3>									
	A	B	C											
10	0.5	0.2	0.3	40	110-XX-210-41-001000									
4	0.2	0.3	0.4	102	110-XX-304-41-001000									
6	0.3	0.3	0.4	67	110-XX-306-41-001000									
8	0.4	0.3	0.4	50	110-XX-308-41-001000									
10	0.5	0.3	0.4	40	110-XX-310-41-001000									
14	0.7	0.3	0.4	28	110-XX-314-41-001000									
16	0.8	0.3	0.4	25	110-XX-316-41-001000									
18	0.9	0.3	0.4	22	110-XX-318-41-001000									
20	1.0	0.3	0.4	20	110-XX-320-41-001000									
22	1.1	0.3	0.4	18	110-XX-322-41-001000									
24	1.2	0.3	0.4	16	110-XX-324-41-001000									
28	1.4	0.3	0.4	14	110-XX-328-41-001000									
20	1.0	0.4	0.5	20	110-XX-420-41-001000									
22	1.1	0.4	0.5	18	110-XX-422-41-001000									
24	1.2	0.4	0.5	16	110-XX-424-41-001000									
28	1.4	0.4	0.5	14	110-XX-428-41-001000									
32	1.6	0.4	0.5	12	110-XX-432-41-001000									
24	1.2	0.6	0.7	16	110-XX-624-41-001000									
28	1.4	0.6	0.7	14	110-XX-628-41-001000									
32	1.6	0.6	0.7	12	110-XX-632-41-001000									
36	1.8	0.6	0.7	11	110-XX-636-41-001000									
40	2.0	0.6	0.7	10	110-XX-640-41-001000									
42	2.1	0.6	0.7	9	110-XX-642-41-001000									
48	2.4	0.6	0.7	8	110-XX-648-41-001000									
50	2.5	0.6	0.7	8	110-XX-650-41-001000									
52	2.6	0.6	0.7	7	110-XX-652-41-001000									
50	2.5	0.9	1.0	8	110-XX-950-41-001000									
52	2.6	0.9	1.0	7	110-XX-952-41-001000									
64	3.2	0.9	1.0	6	110-XX-964-41-001000									
<b>SPECIFY PLATING CODE XX =</b>					11	13	91	93	99	41	43	44	47	
Sleeve (Pin)					10 μ" Au	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn	200 μ" Sn	
Contact (Clip)					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	100 μ" Sn/Pb	10 μ" Au	30 μ" Au	100 μ" Sn	Au Flash	

XX=Plating Code  
See Below

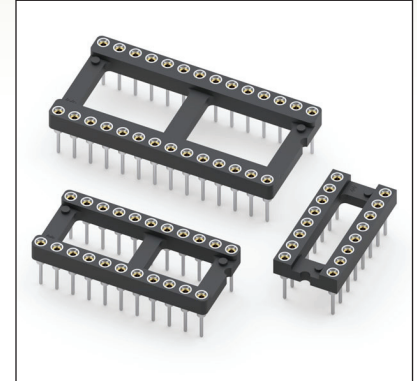


# DUAL-IN-LINE SOCKETS

## SERIES 111 • LONG SOLDER TAIL FOR MULTI-LAYER PCB • OPEN FRAME



- DIP sockets with increased solder tail length of .170", allowing application on multi-layer PCBs up to .139" thick
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 111 uses MM #0134 pins. See page 165 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



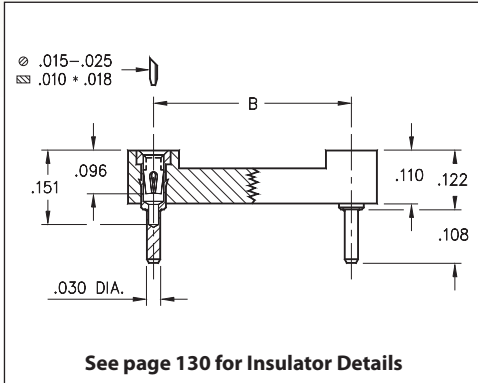
Total number of pins	Pin Spacing Dimensions (mm)			Quantity per tube	ORDERING INFORMATION						
	A	B	C								
10	0.5	0.2	0.3	40	111-XX-210-41-001000						
4	0.2	0.3	0.4	102	111-XX-304-41-001000						
6	0.3	0.3	0.4	67	111-XX-306-41-001000						
8	0.4	0.3	0.4	50	111-XX-308-41-001000						
10	0.5	0.3	0.4	40	111-XX-310-41-001000						
14	0.7	0.3	0.4	28	111-XX-314-41-001000						
16	0.8	0.3	0.4	25	111-XX-316-41-001000						
18	0.9	0.3	0.4	22	111-XX-318-41-001000						
20	1.0	0.3	0.4	20	111-XX-320-41-001000						
22	1.1	0.3	0.4	18	111-XX-322-41-001000						
24	1.2	0.3	0.4	16	111-XX-324-41-001000						
28	1.4	0.3	0.4	14	111-XX-328-41-001000						
20	1.0	0.4	0.5	20	111-XX-420-41-001000						
22	1.1	0.4	0.5	18	111-XX-422-41-001000						
24	1.2	0.4	0.5	16	111-XX-424-41-001000						
28	1.4	0.4	0.5	14	111-XX-428-41-001000						
32	1.6	0.4	0.5	12	111-XX-432-41-001000						
24	1.2	0.6	0.7	16	111-XX-624-41-001000						
28	1.4	0.6	0.7	14	111-XX-628-41-001000						
32	1.6	0.6	0.7	12	111-XX-632-41-001000						
36	1.8	0.6	0.7	11	111-XX-636-41-001000						
40	2.0	0.6	0.7	10	111-XX-640-41-001000						
42	2.1	0.6	0.7	9	111-XX-642-41-001000						
48	2.4	0.6	0.7	8	111-XX-648-41-001000						
50	2.5	0.6	0.7	8	111-XX-650-41-001000						
52	2.6	0.6	0.7	7	111-XX-652-41-001000						
50	2.5	0.9	1.0	8	111-XX-950-41-001000						
52	2.6	0.9	1.0	7	111-XX-952-41-001000						
64	3.2	0.9	1.0	6	111-XX-964-41-001000						
<b>SPECIFY PLATING CODE XX =</b> Sleeve (Pin) Contact (Clip)					91	93		41	43	47	
					200 μ" Sn/Pb	200 μ" Sn/Pb		200 μ" Sn	200 μ" Sn	200 μ" Sn	
					10 μ" Au	30 μ" Au		10 μ" Au	30 μ" Au	Au Flash	

XX=Plating Code  
See Below

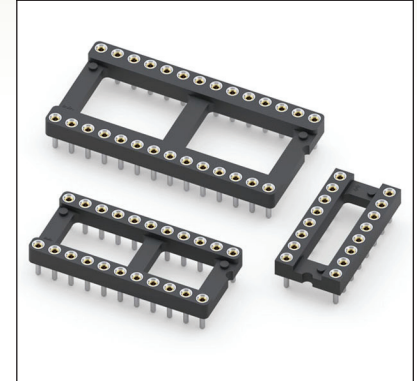


# DUAL-IN-LINE SOCKETS

## SERIES 115...001 • VERY LOW PROFILE • OPEN FRAME



- Low profile DIP socket, sits only .122" above the PCB
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 115 uses MM #0501 pins. See page 162 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



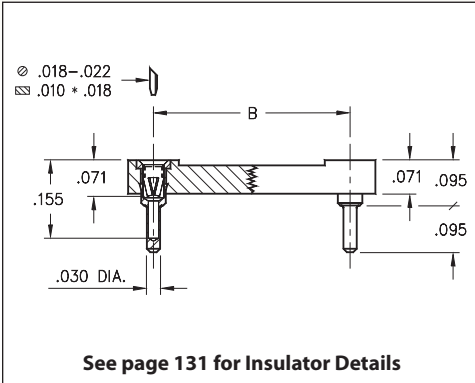
Total number of pins				Quantity per tube	ORDERING INFORMATION								
	A	B	C										
10	0.5	0.2	0.3	41	115-XX-210-41-001000								
4	0.2	0.3	0.4	102	115-XX-304-41-001000								
6	0.3	0.3	0.4	67	115-XX-306-41-001000								
8	0.4	0.3	0.4	50	115-XX-308-41-001000								
10	0.5	0.3	0.4	40	115-XX-310-41-001000								
14	0.7	0.3	0.4	28	115-XX-314-41-001000								
16	0.8	0.3	0.4	25	115-XX-316-41-001000								
18	0.9	0.3	0.4	22	115-XX-318-41-001000								
20	1.0	0.3	0.4	20	115-XX-320-41-001000								
22	1.1	0.3	0.4	18	115-XX-322-41-001000								
24	1.2	0.3	0.4	16	115-XX-324-41-001000								
28	1.4	0.3	0.4	14	115-XX-328-41-001000								
20	1.0	0.4	0.5	20	115-XX-420-41-001000								
22	1.1	0.4	0.5	18	115-XX-422-41-001000								
24	1.2	0.4	0.5	16	115-XX-424-41-001000								
28	1.4	0.4	0.5	14	115-XX-428-41-001000								
32	1.6	0.4	0.5	12	115-XX-432-41-001000								
24	1.2	0.6	0.7	16	115-XX-624-41-001000								
28	1.4	0.6	0.7	14	115-XX-628-41-001000								
32	1.6	0.6	0.7	12	115-XX-632-41-001000								
36	1.8	0.6	0.7	11	115-XX-636-41-001000								
40	2.0	0.6	0.7	10	115-XX-640-41-001000								
42	2.1	0.6	0.7	9	115-XX-642-41-001000								
48	2.4	0.6	0.7	8	115-XX-648-41-001000								
50	2.5	0.6	0.7	8	115-XX-650-41-001000								
52	2.6	0.6	0.7	7	115-XX-652-41-001000								
50	2.5	0.9	1.0	8	115-XX-950-41-001000								
52	2.6	0.9	1.0	7	115-XX-952-41-001000								
64	3.2	0.9	1.0	6	115-XX-964-41-001000								
<b>SPECIFY PLATING CODE XX =</b>					91	93	41	43	47				
					Sleeve (Pin)	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn			
					Contact (Clip)	10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	Au Flash			

XX=Plating Code  
See Below

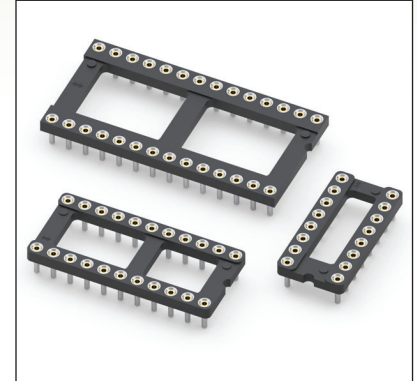


# DUAL-IN-LINE SOCKETS

## SERIES 115...003 • ULTRA LOW PROFILE • OPEN FRAME



- Our lowest profile DIP socket with an above PCB height of only .095"
- Special short Hi-Rel, 4-finger BeCu #12 contact is rated at 3 amps. See page 252 for details
- Series 115 uses MM #1534 pins. See page 161 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



Total number of pins	Pin Spacing			Quantity per tube	ORDERING INFORMATION							
	A	B	C									
6	0.3	0.3	0.4	68	115-XX-306-41-003000							
8	0.4	0.3	0.4	50	115-XX-308-41-003000							
14	0.7	0.3	0.4	28	115-XX-314-41-003000							
16	0.8	0.3	0.4	25	115-XX-316-41-003000							
18	0.9	0.3	0.4	22	115-XX-318-41-003000							
20	1.0	0.3	0.4	20	115-XX-320-41-003000							
22	1.1	0.3	0.4	18	115-XX-322-41-003000							
24	1.2	0.3	0.4	16	115-XX-324-41-003000							
28	1.4	0.3	0.4	14	115-XX-328-41-003000							
20	1.0	0.4	0.5	20	115-XX-420-41-003000							
22	1.1	0.4	0.5	18	115-XX-422-41-003000							
24	1.2	0.4	0.5	16	115-XX-424-41-003000							
28	1.4	0.4	0.5	14	115-XX-428-41-003000							
24	1.2	0.6	0.7	16	115-XX-624-41-003000							
28	1.4	0.6	0.7	14	115-XX-628-41-003000							
32	1.6	0.6	0.7	12	115-XX-632-41-003000							
36	1.8	0.6	0.7	11	115-XX-636-41-003000							
40	2.0	0.6	0.7	10	115-XX-640-41-003000							
48	2.4	0.6	0.7	8	115-XX-648-41-003000							
50	2.5	0.6	0.7	8	115-XX-650-41-003000							

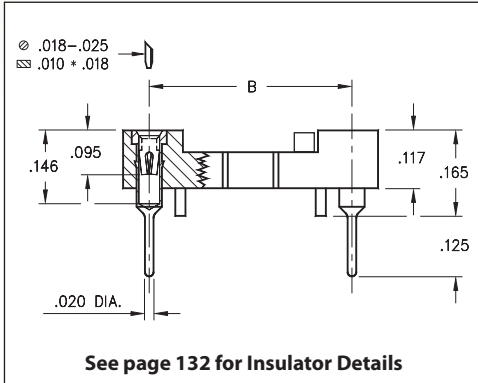
XX=Plating Code  
See Below



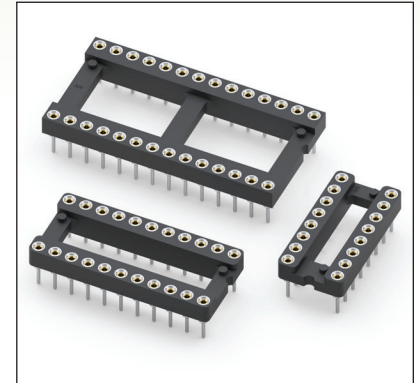
SPECIFY PLATING CODE XX =	91	93	41	43	44	47
Sleeve (Pin)	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn	200 μ" Sn
Contact (Clip)	10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	100 μ" Sn	Au Flash

# DUAL-IN-LINE SOCKETS

## SERIES 110...605 • AUTOMATIC INSERTION • OPEN FRAME



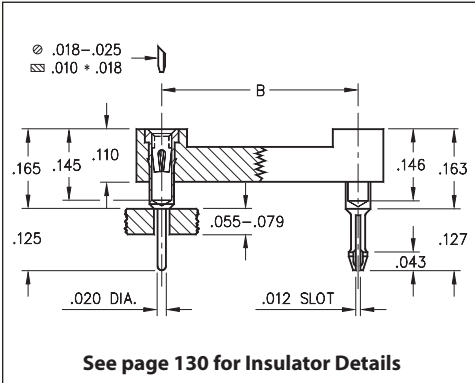
- High temperature thermoplastic insulator with standoffs is compatible with standard automatic insertion equipment and all soldering processes
- Soft copper alloy machined pins allow clinching. Chamfered contact entry allows for ease of IC insertion without bent leads
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 110 uses MM #1005 pins. See page 166 for details
- For Electrical, Mechanical and Environmental Data, see page 264 for details



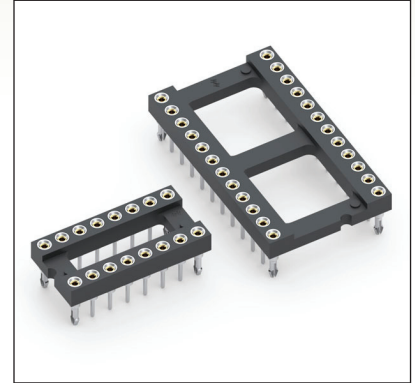
Total number of pins				Quantity per tube	<h3>ORDERING INFORMATION</h3>						
	A	B	C								
6	0.3	0.3	0.4	67	110-XX-306-41-605000						
8	0.4	0.3	0.4	50	110-XX-308-41-605000						
14	0.7	0.3	0.4	28	110-XX-314-41-605000						
16	0.8	0.3	0.4	25	110-XX-316-41-605000						
18	0.9	0.3	0.4	22	110-XX-318-41-605000						
20	1.0	0.3	0.4	20	110-XX-320-41-605000						
24	1.2	0.3	0.4	16	110-XX-324-41-605000						
22	1.1	0.4	0.5	18	110-XX-422-41-605000						
24	1.2	0.6	0.7	16	110-XX-624-41-605000						
28	1.4	0.6	0.7	14	110-XX-628-41-605000						
32	1.6	0.6	0.7	12	110-XX-632-41-605000						
40	2.0	0.6	0.7	10	110-XX-640-41-605000						
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">                     XX=Plating Code See Below                 </div>					<div style="border: 1px solid black; padding: 5px; display: inline-block; color: white; background-color: green;">                     RoHS-2 2011/65/EU                 </div>						
<b>SPECIFY PLATING CODE XX =</b>					91	93	41	43	47		
Sleeve (Pin)					200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn		
Contact (Clip)					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	Au Flash		

# DUAL-IN-LINE SOCKETS

## SERIES 101 • CLINCH PIN • OPEN FRAME



- Special lock-down feature prevents floating of socket during soldering. Open insulator with ladder construction
- Socket pins feature closed end construction eliminating any solder wicking problems
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 101 uses MM #1001 and MM #0156 pins. See page 165 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



## ORDERING INFORMATION

Total number of pins	Pin Spacing			Quantity per tube	
	A	B	C		
6	0.3	0.3	0.4	67	101-93-306-41-56X000
8	0.4	0.3	0.4	50	101-93-308-41-56X000
14	0.7	0.3	0.4	28	101-93-314-41-56X000
16	0.8	0.3	0.4	25	101-93-316-41-56X000
18	0.9	0.3	0.4	22	101-93-318-41-56X000
20	1.0	0.3	0.4	20	101-93-320-41-56X000
24	1.2	0.3	0.4	16	101-93-324-41-56X000
28	1.4	0.3	0.4	14	101-93-328-41-56X000
22	1.1	0.4	0.5	18	101-93-422-41-56X000
24	1.2	0.6	0.7	16	101-93-624-41-56X000
28	1.4	0.6	0.7	14	101-93-628-41-56X000
32	1.6	0.6	0.7	12	101-93-632-41-56X000
40	2.0	0.6	0.7	10	101-93-640-41-56X000
48	2.4	0.6	0.7	8	101-93-648-41-56X000
64	3.2	0.9	1.0	6	101-93-964-41-56X000

### Clinch Pins:

Two Opposite Corner Pins **X = 0**

Four Corner Pins **X = 8**

XX=Plating Code  
See Below



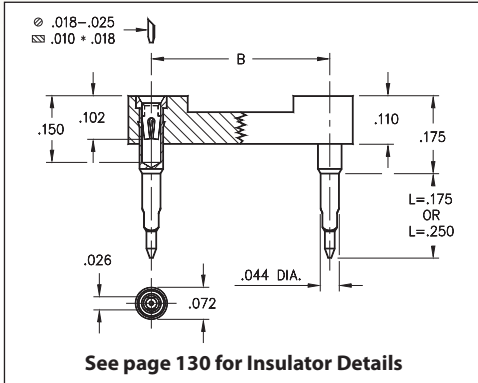
SPECIFY PLATING CODE XX =		93			
Sleeve (Pin)		200 μ" Sn/Pb			
Contact (Clip)		30 μ" Au			



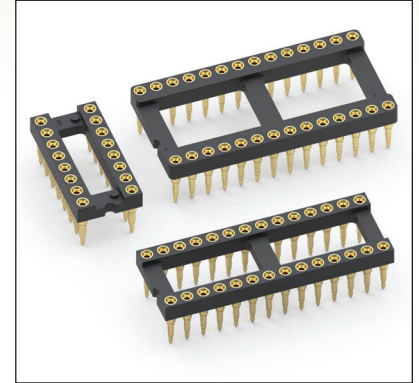


# DUAL-IN-LINE SOCKETS

## SERIES 104 • SOLDERLESS PRESS-FIT • OPEN FRAME



- Designed for solderless press-fit into plated through-holes
- Pin lengths are suitable for .062" and .093"-.125" thick panels
- Required plated through hole is .036"-.041". Use a 1.1mm drill prior to plating
- Series 104 uses MM #0477 or MM #0478 pins with a BeCu #30 contact, rated at 3 amps. See page 162 for details
- Insulators are high temperature thermoplastic
- For Electrical, Mechanical and Environmental Data, see page 264 for details



Total number of pins				Quantity per tube	ORDERING INFORMATION					
	A	B	C		L = .175 (for .062" thick panel)	L = .250 (for .125" thick panel)				
	10	0.5	0.2		0.3	40	104-XX-210-41-770000	104-XX-210-41-780000		
4	0.2	0.3	0.4	102	104-XX-304-41-770000	104-XX-304-41-780000				
6	0.3	0.3	0.4	67	104-XX-306-41-770000	104-XX-306-41-780000				
8	0.4	0.3	0.4	50	104-XX-308-41-770000	104-XX-308-41-780000				
10	0.5	0.3	0.4	40	104-XX-310-41-770000	104-XX-310-41-780000				
14	0.7	0.3	0.4	28	104-XX-314-41-770000	104-XX-314-41-780000				
16	0.8	0.3	0.4	25	104-XX-316-41-770000	104-XX-316-41-780000				
18	0.9	0.3	0.4	22	104-XX-318-41-770000	104-XX-318-41-780000				
20	1.0	0.3	0.4	20	104-XX-320-41-770000	104-XX-320-41-780000				
22	1.1	0.3	0.4	18	104-XX-322-41-770000	104-XX-322-41-780000				
24	1.2	0.3	0.4	16	104-XX-324-41-770000	104-XX-324-41-780000				
28	1.4	0.3	0.4	14	104-XX-328-41-770000	104-XX-328-41-780000				
20	1.0	0.4	0.5	20	104-XX-420-41-770000	104-XX-420-41-780000				
22	1.1	0.4	0.5	18	104-XX-422-41-770000	104-XX-422-41-780000				
24	1.2	0.4	0.5	16	104-XX-424-41-770000	104-XX-424-41-780000				
28	1.4	0.4	0.5	14	104-XX-428-41-770000	104-XX-428-41-780000				
32	1.6	0.4	0.5	12	104-XX-432-41-770000	104-XX-432-41-780000				
24	1.2	0.6	0.7	16	104-XX-624-41-770000	104-XX-624-41-780000				
28	1.4	0.6	0.7	14	104-XX-628-41-770000	104-XX-628-41-780000				
32	1.6	0.6	0.7	12	104-XX-632-41-770000	104-XX-632-41-780000				
36	1.8	0.6	0.7	11	104-XX-636-41-770000	104-XX-636-41-780000				
40	2.0	0.6	0.7	10	104-XX-640-41-770000	104-XX-640-41-780000				
42	2.1	0.6	0.7	9	104-XX-642-41-770000	104-XX-642-41-780000				
48	2.4	0.6	0.7	8	104-XX-648-41-770000	104-XX-648-41-780000				
50	2.5	0.6	0.7	8	104-XX-650-41-770000	104-XX-650-41-780000				
52	2.6	0.6	0.7	7	104-XX-652-41-770000	104-XX-652-41-780000				
50	2.5	0.9	1.0	8	104-XX-950-41-770000	104-XX-950-41-780000				
52	2.6	0.9	1.0	7	104-XX-952-41-770000	104-XX-952-41-780000				
64	3.2	0.9	1.0	6	104-XX-964-41-770000	104-XX-964-41-780000				
<b>SPECIFY PLATING CODE XX =</b>					11	13				
Sleeve (Pin)					10 μ" Au	10 μ" Au				
Contact (Clip)					10 μ" Au	30 μ" Au				

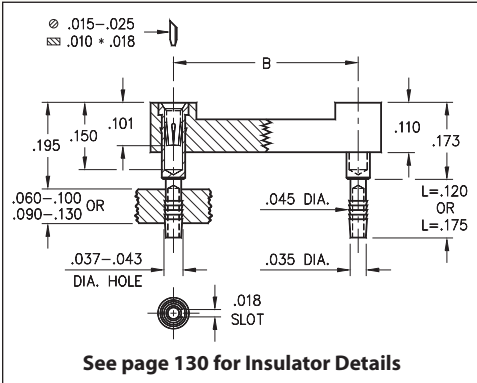


XX=Plating Code  
See Below

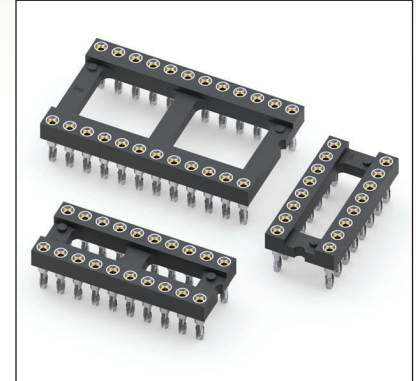


# DUAL-IN-LINE SOCKETS

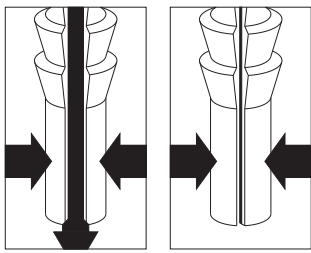
## SERIES 146 • SOLDERLESS PRESS-FIT, COMPLIANT TAIL • OPEN FRAME



- Unique compliant tail pins conform to a  $.040" \pm .003"$  finished plated through hole diameter without stressing inner layers
- Two tails lengths are offered for  $.060"$ - $.100"$  and  $.090"$ - $.130"$  thick panels
- Series 146 uses MM #4612 or MM #4613 pins with a BeCu #30 contact, rated at 3 amps. See page 162 for details
- Insulators are high temperature thermoplastic
- For Electrical, Mechanical and Environmental Data, see page 264 for details



### APPLICATION OF COMPLIANT TAIL PINS



Mill-Max's patented\* precision-machined pins feature compliant tails that are hollow and slotted to conform to a  $.040" \pm .003"$  diameter PTH. As the pin is inserted, the slot compresses to fit the PTH, thus avoiding damage (see illustration at left). The pin's tail has fine serrations that form a perfect "gas tight" connection that doesn't require soldering. And since the pin doesn't damage the hole, compliant tail sockets and connectors can be easily replaced.  
\*Patent No. 4,799,904.

Total number of pins				Quantity per tube	ORDERING INFORMATION			
	A	B	C		L = .120 (for .060"- .100" thick panel)	L = .175 (for .090"- .130" thick panel)		
6	0.3	0.3	0.4	67	146-XX-306-41-012000	146-XX-306-41-013000		
8	0.4	0.3	0.4	50	146-XX-308-41-012000	146-XX-308-41-013000		
14	0.7	0.3	0.4	28	146-XX-314-41-012000	146-XX-314-41-013000		
16	0.8	0.3	0.4	25	146-XX-316-41-012000	146-XX-316-41-013000		
18	0.9	0.3	0.4	22	146-XX-318-41-012000	146-XX-318-41-013000		
20	1.0	0.3	0.4	20	146-XX-320-41-012000	146-XX-320-41-013000		
24	1.2	0.3	0.4	16	146-XX-324-41-012000	146-XX-324-41-013000		
22	1.1	0.4	0.5	18	146-XX-422-41-012000	146-XX-422-41-013000		
24	1.2	0.6	0.7	16	146-XX-624-41-012000	146-XX-624-41-013000		
28	1.4	0.6	0.7	14	146-XX-628-41-012000	146-XX-628-41-013000		
32	1.6	0.6	0.7	12	146-XX-632-41-012000	146-XX-632-41-013000		
40	2.0	0.6	0.7	10	146-XX-640-41-012000	146-XX-640-41-013000		
<b>SPECIFY PLATING CODE XX =</b>					91	93	41	43
Sleeve (Pin)					200 $\mu$ " Sn/Pb	200 $\mu$ " Sn/Pb	200 $\mu$ " Sn	200 $\mu$ " Sn
Contact (Clip)					10 $\mu$ " Au	30 $\mu$ " Au	10 $\mu$ " Au	30 $\mu$ " Au

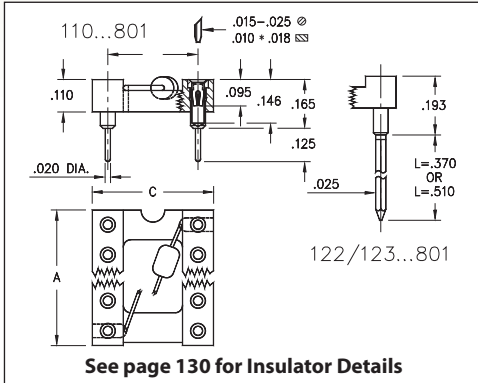


XX=Plating Code  
See Below

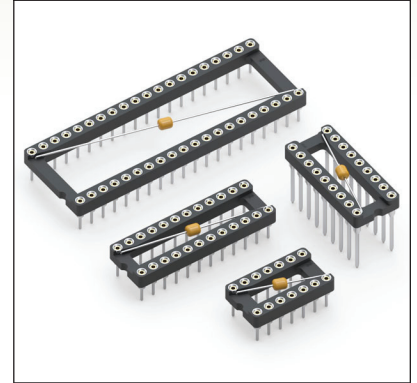


# DUAL-IN-LINE SOCKETS

## SERIES 110, 122, 123 • INTEGRAL DECOUPLING CAPACITOR • OPEN FRAME



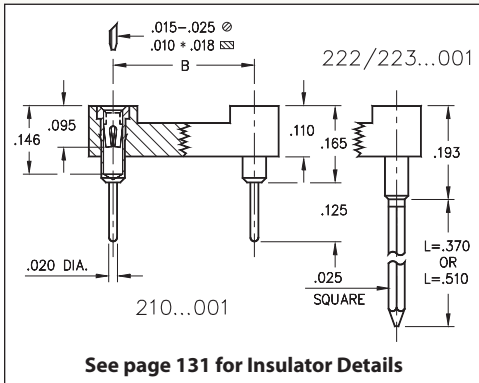
- Low profile DIP sockets w/ integral decoupling capacitor: .1μ F 20%-50V multi-layer ceramic epoxy encapsulated. Temp. range: -25° C to +85° C
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 110, 122 and 123 use MM #1001, #0088 or #0089 pins. See pages 165 & 198 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



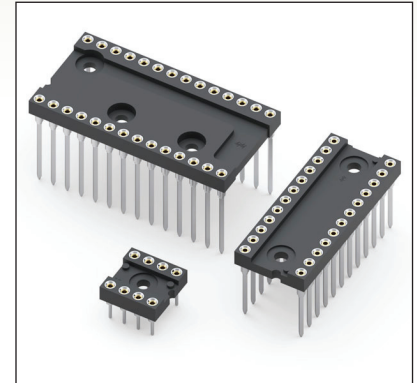
Total number of pins				Quantity per tube	ORDERING INFORMATION					
	A	B	C		Solder Tail	L = .370 (2 Level Wrappost)	L = .510 (3 Level Wrappost)			
14	0.7	0.3	0.4	28	110-XX-314-41-801000	122-XX-314-41-801000	123-XX-314-41-801000			
16	0.8	0.3	0.4	25	110-XX-316-41-801000	122-XX-316-41-801000	123-XX-316-41-801000			
18	0.9	0.3	0.4	22	110-XX-318-41-801000	122-XX-318-41-801000	123-XX-318-41-801000			
20	1.0	0.3	0.4	20	110-XX-320-41-801000	122-XX-320-41-801000	123-XX-320-41-801000			
22	1.1	0.3	0.4	18	110-XX-322-41-801000	122-XX-322-41-801000	123-XX-322-41-801000			
24	1.2	0.3	0.4	16	110-XX-324-41-801000	122-XX-324-41-801000	123-XX-324-41-801000			
28	1.4	0.3	0.4	14	110-XX-328-41-801000	122-XX-328-41-801000	123-XX-328-41-801000			
24	1.2	0.6	0.7	16	110-XX-624-41-801000	122-XX-624-41-801000	123-XX-624-41-801000			
28	1.4	0.6	0.7	14	110-XX-628-41-801000	122-XX-628-41-801000	123-XX-628-41-801000			
32	1.6	0.6	0.7	12	110-XX-632-41-801000	122-XX-632-41-801000	123-XX-632-41-801000			
40	2.0	0.6	0.7	10	110-XX-640-41-801000	122-XX-640-41-801000	123-XX-640-41-801000			
					<b>XX=Plating Code See Below</b>					
<b>SPECIFY PLATING CODE XX =</b>					13		93		43	
Sleeve (Pin)					10 μ" Au		200 μ" Sn/Pb		200 μ" Sn	
Contact (Clip)					30 μ" Au		30 μ" Au		30 μ" Au	

# DUAL-IN-LINE SOCKETS

## SERIES 210, 222, 223 • SOLDER TAIL AND WRAPOST • CLOSED FRAME



- Closed frame insulator withstands high mechanical impact
- Available with standard solder pins, 2-level or 3-level wraposts
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 210, 222 and 223 use MM #1001, #0088 or #0089 pins. See pages 165 & 198 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

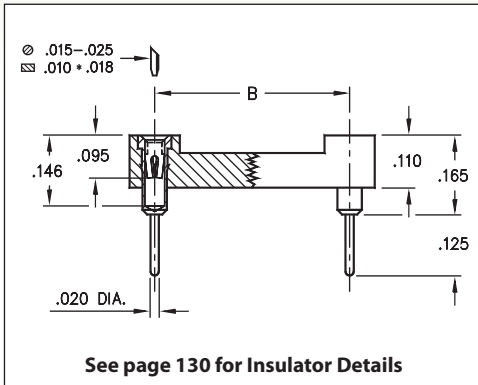


Total number of pins	Pin Configuration			Quantity per tube	ORDERING INFORMATION								
	A	B	C		Solder Tail	L = .370 (2 Level Wrapost)		L = .510 (3 Level Wrapost)					
6	0.3	0.3	0.4	67	210-XX-306-41-001000	222-XX-306-41-001000	223-XX-306-41-001000						
8	0.4	0.3	0.4	50	210-XX-308-41-001000	222-XX-308-41-001000	223-XX-308-41-001000						
10	0.5	0.3	0.4	40	210-XX-310-41-001000	222-XX-310-41-001000	223-XX-310-41-001000						
14	0.7	0.3	0.4	28	210-XX-314-41-001000	222-XX-314-41-001000	223-XX-314-41-001000						
16	0.8	0.3	0.4	25	210-XX-316-41-001000	222-XX-316-41-001000	223-XX-316-41-001000						
18	0.9	0.3	0.4	22	210-XX-318-41-001000	222-XX-318-41-001000	223-XX-318-41-001000						
20	1.0	0.3	0.4	20	210-XX-320-41-001000	222-XX-320-41-001000	223-XX-320-41-001000						
22	1.1	0.3	0.4	18	210-XX-322-41-001000	222-XX-322-41-001000	223-XX-322-41-001000						
24	1.2	0.3	0.4	16	210-XX-324-41-001000	222-XX-324-41-001000	223-XX-324-41-001000						
22	1.1	0.4	0.5	18	210-XX-422-41-001000	222-XX-422-41-001000	223-XX-422-41-001000						
24	1.2	0.4	0.5	16	210-XX-424-41-001000	222-XX-424-41-001000	223-XX-424-41-001000						
24	1.2	0.6	0.7	16	210-XX-624-41-001000	222-XX-624-41-001000	223-XX-624-41-001000						
28	1.4	0.6	0.7	14	210-XX-628-41-001000	222-XX-628-41-001000	223-XX-628-41-001000						
32	1.6	0.6	0.7	12	210-XX-632-41-001000	222-XX-632-41-001000	223-XX-632-41-001000						
36	1.8	0.6	0.7	11	210-XX-636-41-001000	222-XX-636-41-001000	223-XX-636-41-001000						
40	2.0	0.6	0.7	10	210-XX-640-41-001000	222-XX-640-41-001000	223-XX-640-41-001000						
64	3.2	0.9	1.0	6	210-XX-964-41-001000	222-XX-964-41-001000	223-XX-964-41-001000						
XX=Plating Code See Below					RoHS-2 2011/65/EU								
<b>SPECIFY PLATING CODE XX =</b>					11	13	91	93	99	41	43	44	47
Sleeve (Pin)					10 μ" Au	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn	200 μ" Sn
Contact (Clip)					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	100 μ" Sn/Pb	10 μ" Au	30 μ" Au	100 μ" Sn	Au Flash

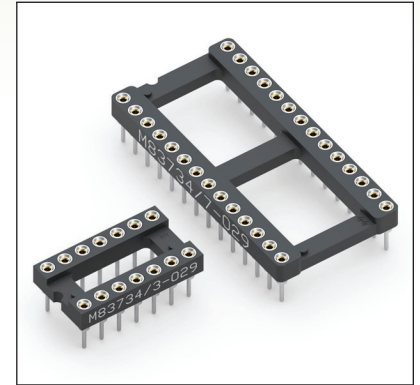


# DUAL-IN-LINE SOCKETS

**SERIES 110...530 • MIL-DTL-83734 APPROVED, SOLDER TAIL • OPEN FRAME**



- Sockets are XY stackable
- Socket pins feature closed end construction eliminating any solder wicking problems
- Packaged in tubes compatible with automatic insertion equipment
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 110 uses MM #1001 pins. See page 165 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

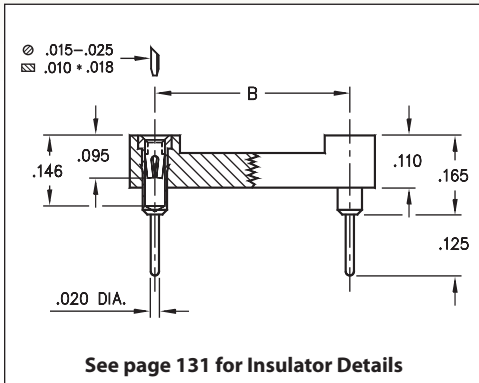


Total number of pins				Quantity per tube	<b>ORDERING INFORMATION</b>			
	A	B	C		Mill-Max Part Number		Military Part Number	
8	0.4	0.3	0.4	50	110-XX-308-41-530000	M83734/2-YYY		
14	0.7	0.3	0.4	28	110-XX-314-41-530000	M83734/3-YYY		
16	0.8	0.3	0.4	25	110-XX-316-41-530000	M83734/4-YYY		
18	0.9	0.3	0.4	22	110-XX-318-41-530000	M83734/5-YYY		
20	1.0	0.3	0.4	20	110-XX-320-41-530000	M83734/13-YYY		
22	1.1	0.4	0.5	18	110-XX-422-41-530000	M83734/6-YYY		
24	1.2	0.6	0.7	16	110-XX-624-41-530000	M83734/8-YYY		
28	1.4	0.6	0.7	14	110-XX-628-41-530000	M83734/7-YYY		
40	2.0	0.6	0.7	10	110-XX-640-41-530000	M83734/10-YYY		
48	2.4	0.6	0.7	8	110-XX-648-41-530000	M83734/14-YYY		
64	3.2	0.9	1.0	6	110-XX-964-41-530000	M83734/15-YYY		
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">                     XX=Plating Code See Below                 </div>					<b>SEE PAGE 103 FOR COMPLETE MIL-DTL-83734 QPL</b>			
SPECIFY MILL-MAX PLATING CODE XX =					<b>33</b>	<b>83</b>	<b>88</b>	
FOR MILITARY PLATING CODE YYY =					<b>028</b>	<b>029</b>	<b>030</b>	
Sleeve (Pin)					30 μ" min. Au	300 μ" Sn/Pb	300 μ" Sn/Pb	
Contact (Clip)					30 μ" min. Au	30 μ" min. Au	100 μ" Sn/Pb	

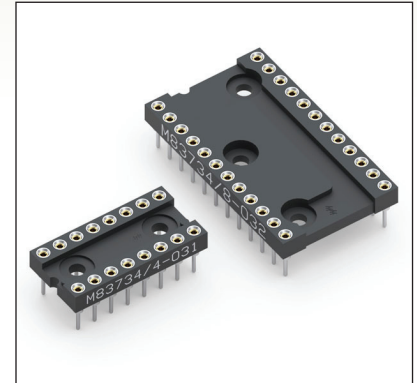


# DUAL-IN-LINE SOCKETS

**SERIES 210...101 • MIL-DTL-83734 APPROVED, SOLDER TAIL • CLOSED FRAME**



- Sockets are XY stackable
- Socket pins feature closed end construction eliminating any solder wicking problems
- Packaged in tubes compatible with automatic insertion equipment
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 210 uses MM #1001 pins. See page 165 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

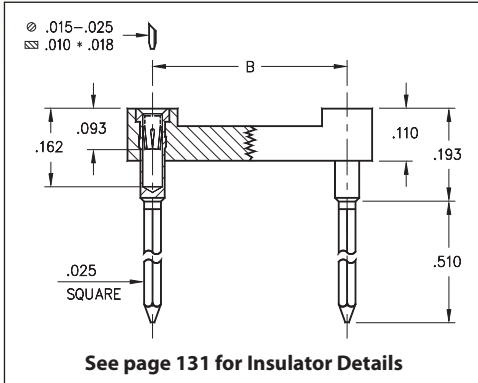


Total number of pins				Quantity per tube	ORDERING INFORMATION		
	A	B	C		Mill-Max Part Number	Military Part Number	
6	0.3	0.3	0.4	67	210-XX-306-41-101000	M83734/1-YYY	
8	0.4	0.3	0.4	50	210-XX-308-41-101000	M83734/2-YYY	
14	0.7	0.3	0.4	28	210-XX-314-41-101000	M83734/3-YYY	
16	0.8	0.3	0.4	25	210-XX-316-41-101000	M83734/4-YYY	
18	0.9	0.3	0.4	22	210-XX-318-41-101000	M83734/5-YYY	
20	1.0	0.3	0.4	20	210-XX-320-41-101000	M83734/13-YYY	
22	1.1	0.4	0.5	18	210-XX-422-41-101000	M83734/6-YYY	
24	1.2	0.6	0.7	16	210-XX-624-41-101000	M83734/8-YYY	
28	1.4	0.6	0.7	14	210-XX-628-41-101000	M83734/7-YYY	
32	1.6	0.6	0.7	10	210-XX-632-41-101000	M83734/17-YYY	
36	1.8	0.6	0.7	11	210-XX-636-41-101000	M83734/9-YYY	
40	2.0	0.6	0.7	8	210-XX-640-41-101000	M83734/10-YYY	
64	3.2	0.9	1.0	6	210-XX-964-41-101000	M83734/15-YYY	
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">                     XX=Plating Code See Below                 </div>					<b>SEE PAGE 103 FOR COMPLETE MIL-DTL-83734 QPL</b>		
SPECIFY MILL-MAX PLATING CODE XX =					<b>33</b>	<b>83</b>	<b>88</b>
FOR MILITARY PLATING CODE YYY =					<b>031</b>	<b>032</b>	<b>033</b>
(6 PIN ONLY) YYY =					<b>025</b>	<b>026</b>	<b>027</b>
(32 PIN ONLY) YYY =					<b>013</b>	<b>014</b>	<b>015</b>
Sleeve (Pin)					30 μ" min. Au	300 μ" Sn/Pb	300 μ" Sn/Pb
Contact (Clip)					30 μ" min. Au	30 μ" min. Au	100 μ" Sn/Pb

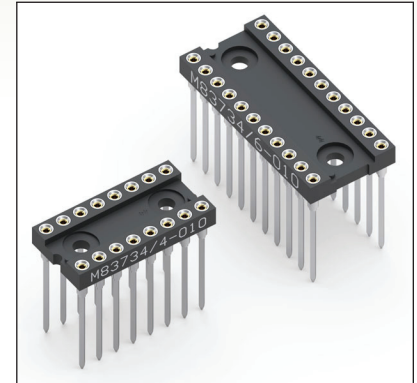


# DUAL-IN-LINE SOCKETS

**SERIES 223...101 • MIL-DTL-83734 APPROVED, 3 LEVEL WRAPOST • CLOSED FRAME**



- Sockets are XY stackable
- Socket pins feature closed end construction eliminating any solder wicking problems
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 223 uses MM #0038-3 or #0088-3 pins. See page 198 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



Total number of pins				Quantity per tube	<b>ORDERING INFORMATION</b>	
	A	B	C		Mill-Max Part Number	Military Part Number
6	0.3	0.3	0.4	67	223-XX-306-41-101000	M83734/1-YYY
8	0.4	0.3	0.4	50	223-XX-308-41-101000	M83734/2-YYY
14	0.7	0.3	0.4	28	223-XX-314-41-101000	M83734/3-YYY
16	0.8	0.3	0.4	25	223-XX-316-41-101000	M83734/4-YYY
18	0.9	0.3	0.4	22	223-XX-318-41-101000	M83734/5-YYY
20	1.0	0.3	0.4	20	223-XX-320-41-101000	M83734/13-YYY
22	1.1	0.4	0.5	18	223-XX-422-41-101000	M83734/6-YYY
24	1.2	0.6	0.7	16	223-XX-624-41-101000	M83734/8-YYY
28	1.4	0.6	0.7	14	223-XX-628-41-101000	M83734/7-YYY
32	1.6	0.6	0.7	12	223-XX-632-41-101000	M83734/17-YYY
36	1.8	0.6	0.7	11	223-XX-636-41-101000	M83734/9-YYY
40	2.0	0.6	0.7	10	223-XX-640-41-101000	M83734/10-YYY
64	3.2	0.9	1.0	6	223-XX-964-41-101000	M83734/15-YYY

XX=Plating Code  
See Below

SEE PAGE 103 FOR COMPLETE MIL-DTL-83734 QPL			
SPECIFY MILL-MAX PLATING CODE XX =	<b>33</b>	<b>83</b>	<b>88</b>
SPECIFY MILL-MAX PLATING CODE XX =	<b>010</b>	<b>011</b>	<b>012</b>
(32 PIN ONLY) YYY =	<b>007</b>	<b>008</b>	<b>009</b>
Sleeve (Pin)	30 μ" min. Au	300 μ" Sn/Pb	300 μ" Sn/Pb
Contact (Clip)	30 μ" min. Au	30 μ" min. Au	100 μ" Sn/Pb



# DUAL-IN-LINE SOCKETS

## DIP SOCKETS QUALIFIED TO MIL-DTL-83734

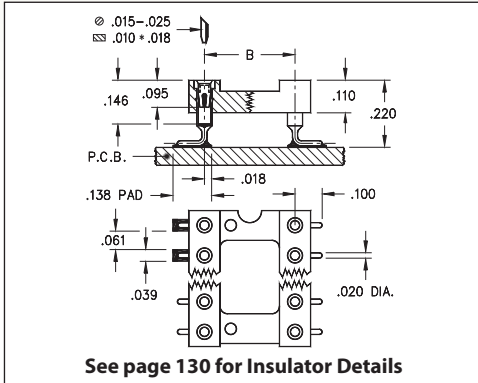
MIL SPEC #	MILL-MAX #	MIL SPEC #	MILL-MAX #	MIL SPEC #	MILL-MAX #
M83734/1-010	223-33-306-41-101000	M83734/7-010	223-33-628-41-101000	M83734/15-030	110-88-964-41-530000
M83734/1-011	223-83-306-41-101000	M83734/7-011	223-83-628-41-101000	M83734/15-031	210-33-964-41-101000
M83734/1-012	223-88-306-41-101000	M83734/7-012	223-88-628-41-101000	M83734/15-032	210-83-964-41-101000
M83734/1-025	210-33-306-41-101000	M83734/7-028	110-33-628-41-530000	M83734/15-033	210-88-964-41-101000
M83734/1-026	210-83-306-41-101000	M83734/7-029	110-83-628-41-530000		
M83734/1-027	210-88-306-41-101000	M83734/7-030	110-88-628-41-530000	M83734/17-001	221-33-632-41-101000
		M83734/7-031	210-33-628-41-101000	M83734/17-002	221-83-632-41-101000
M83734/2-010	223-33-308-41-101000	M83734/7-032	210-83-628-41-101000	M83734/17-003	221-88-632-41-101000
M83734/2-011	223-83-308-41-101000	M83734/7-033	210-88-628-41-101000	M83734/17-004	222-33-632-41-101000
M83734/2-012	223-88-308-41-101000			M83734/17-005	222-83-632-41-101000
M83734/2-028	110-33-308-41-530000	M83734/8-010	223-33-624-41-101000	M83734/17-006	222-88-632-41-101000
M83734/2-029	110-83-308-41-530000	M83734/8-011	223-83-624-41-101000	M83734/17-007	223-33-632-41-101000
M83734/2-030	110-88-308-41-530000	M83734/8-012	223-88-624-41-101000	M83734/17-008	223-83-632-41-101000
M83734/2-031	210-33-308-41-101000	M83734/8-028	110-33-624-41-530000	M83734/17-009	223-88-632-41-101000
M83734/2-032	210-83-308-41-101000	M83734/8-029	110-83-624-41-530000	M83734/17-013	210-33-632-41-101000
M83734/2-033	210-88-308-41-101000	M83734/8-030	110-88-624-41-530000	M83734/17-014	210-83-632-41-101000
		M83734/8-031	210-33-624-41-101000	M83734/17-015	210-88-632-41-101000
M83734/3-010	223-33-314-41-101000	M83734/8-032	210-83-624-41-101000		
M83734/3-011	223-83-314-41-101000	M83734/8-033	210-88-624-41-101000		
M83734/3-012	223-88-314-41-101000				
M83734/3-028	110-33-314-41-530000	M83734/9-010	223-33-636-41-101000		
M83734/3-029	110-83-314-41-530000	M83734/9-011	223-83-636-41-101000		
M83734/3-030	110-88-314-41-530000	M83734/9-012	223-88-636-41-101000		
M83734/3-031	210-33-314-41-101000	M83734/9-031	210-33-636-41-101000		
M83734/3-032	210-83-314-41-101000	M83734/9-032	210-83-636-41-101000		
M83734/3-033	210-88-314-41-101000	M83734/9-033	210-88-636-41-101000		
M83734/4-010	223-33-316-41-101000	M83734/10-010	223-33-640-41-101000		
M83734/4-011	223-83-316-41-101000	M83734/10-011	223-83-640-41-101000		
M83734/4-012	223-88-316-41-101000	M83734/10-012	223-88-640-41-101000		
M83734/4-028	110-33-316-41-530000	M83734/10-028	110-33-640-41-530000		
M83734/4-029	110-83-316-41-530000	M83734/10-029	110-83-640-41-530000		
M83734/4-030	110-88-316-41-530000	M83734/10-030	110-88-640-41-530000		
M83734/4-031	210-33-316-41-101000	M83734/10-031	210-33-640-41-101000		
M83734/4-032	210-83-316-41-101000	M83734/10-032	210-83-640-41-101000		
M83734/4-033	210-88-316-41-101000	M83734/10-033	210-88-640-41-101000		
M83734/5-010	223-33-318-41-101000	M83734/13-010	223-33-320-41-101000		
M83734/5-011	223-83-318-41-101000	M83734/13-011	223-83-320-41-101000		
M83734/5-012	223-88-318-41-101000	M83734/13-012	223-88-320-41-101000		
M83734/5-028	110-33-318-41-530000	M83734/13-028	110-33-320-41-530000		
M83734/5-029	110-83-318-41-530000	M83734/13-029	110-83-320-41-530000		
M83734/5-030	110-88-318-41-530000	M83734/13-030	110-88-320-41-530000		
M83734/5-031	210-33-318-41-101000	M83734/13-031	210-33-320-41-101000		
M83734/5-032	210-83-318-41-101000	M83734/13-032	210-83-320-41-101000		
M83734/5-033	210-88-318-41-101000	M83734/13-033	210-88-320-41-101000		
M83734/6-010	223-33-422-41-101000	M83734/14-028	110-33-648-41-530000		
M83734/6-011	223-83-422-41-101000	M83734/14-029	110-83-648-41-530000		
M83734/6-012	223-88-422-41-101000	M83734/14-030	110-88-648-41-530000		
M83734/6-028	110-33-422-41-530000				
M83734/6-029	110-83-422-41-530000	M83734/15-010	223-33-964-41-101000		
M83734/6-030	110-88-422-41-530000	M83734/15-011	223-83-964-41-101000		
M83734/6-031	210-33-422-41-101000	M83734/15-012	223-88-964-41-101000		
M83734/6-032	210-83-422-41-101000	M83734/15-028	110-33-964-41-530000		
M83734/6-033	210-88-422-41-101000	M83734/15-029	110-83-964-41-530000		



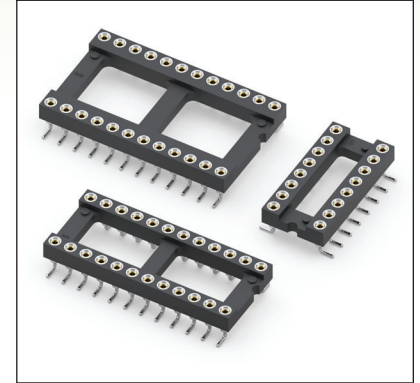


# DUAL-IN-LINE SOCKETS

## SERIES 110...105 • SURFACE MOUNT, GULL WING • OPEN FRAME



- Socket pins feature closed end construction eliminating any solder wicking problems
- Gull wing terminals provide maximum strength and permit easy visual inspection of solder joints. Series 110 uses Mill-Max #1005 pins. See page 166 for details
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



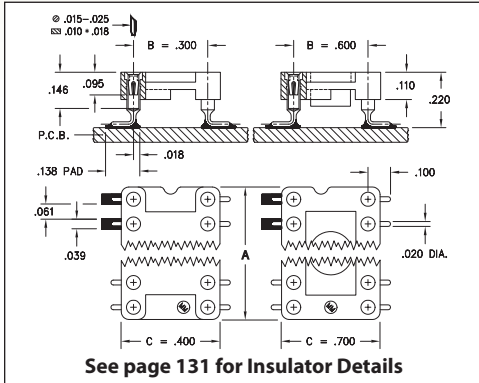
Total number of pins				Quantity per tube	<h3>ORDERING INFORMATION</h3>															
	A	B	C																	
10	0.5	0.2	0.3	40	110-XX-210-41-105000															
4	0.2	0.3	0.4	102	110-XX-304-41-105000															
6	0.3	0.3	0.4	67	110-XX-306-41-105000															
8	0.4	0.3	0.4	50	110-XX-308-41-105000															
10	0.5	0.3	0.4	40	110-XX-310-41-105000															
14	0.7	0.3	0.4	28	110-XX-314-41-105000															
16	0.8	0.3	0.4	25	110-XX-316-41-105000															
18	0.9	0.3	0.4	22	110-XX-318-41-105000															
20	1.0	0.3	0.4	20	110-XX-320-41-105000															
22	1.1	0.3	0.4	18	110-XX-322-41-105000															
24	1.2	0.3	0.4	16	110-XX-324-41-105000															
28	1.4	0.3	0.4	14	110-XX-328-41-105000															
20	1.0	0.4	0.5	20	110-XX-420-41-105000															
22	1.1	0.4	0.5	18	110-XX-422-41-105000															
24	1.2	0.4	0.5	16	110-XX-424-41-105000															
28	1.4	0.4	0.5	14	110-XX-428-41-105000															
32	1.6	0.4	0.5	12	110-XX-432-41-105000															
24	1.2	0.6	0.7	16	110-XX-624-41-105000															
28	1.4	0.6	0.7	14	110-XX-628-41-105000															
32	1.6	0.6	0.7	12	110-XX-632-41-105000															
36	1.8	0.6	0.7	11	110-XX-636-41-105000															
40	2.0	0.6	0.7	10	110-XX-640-41-105000															
42	2.1	0.6	0.7	9	110-XX-642-41-105000															
48	2.4	0.6	0.7	8	110-XX-648-41-105000															
50	2.5	0.6	0.7	8	110-XX-650-41-105000															
52	2.6	0.6	0.7	7	110-XX-652-41-105000															
50	2.5	0.9	1.0	8	110-XX-950-41-105000															
52	2.6	0.9	1.0	7	110-XX-952-41-105000															
64	3.2	0.9	1.0	6	110-XX-964-41-105000															
See page 264 for coplanarity information					<b>SPECIFY PLATING CODE XX=</b>					91	93			43	47					
					Sleeve (Pin)										200 μ" Sn/Pb	200 μ" Sn/Pb			200 μ" Sn	200 μ" Sn
					Contact (Clip)										10 μ" Au	30 μ" Au			30 μ" Au	Au Flash

XX=Plating Code  
See Below

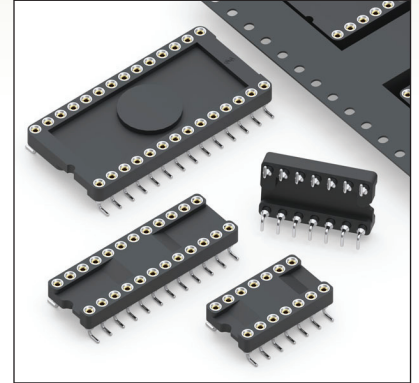


# DUAL-IN-LINE SOCKETS

**SERIES 210...105 • SMT, AUTO PLACEMENT, GULL WING • CLOSED FRAME**



- Closed frame insulator is vision system compatible
- Gull wing terminals provide maximum strength and permit easy visual inspection of solder joints. Series 210 uses Mill-Max #1005 pins. See page 166 for details
- Available packaged in tubes or on tape & reel per EIA-481
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- High-temp Nylon 46 insulator is suitable for all forms of reflow soldering
- For Electrical, Mechanical and Environmental Data, see page 264 for details

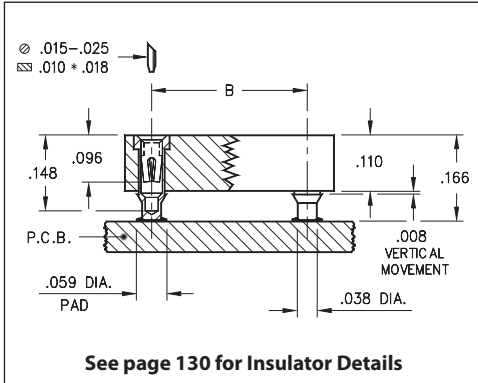


Total number of pins				Quantity per tube	ORDERING INFORMATION					
	A	B	C		Tube Packaging	Tape & Reel Packaging	Tape Width (mm)	QTY per Reel		
<b>VACUUM PAD TOP SURFACE ONLY</b>										
6	0.3	0.3	0.4	67	210-XX-306-41-105000	210-XX-306-41-105799	16	400		
8	0.4	0.3	0.4	50	210-XX-308-41-105000	210-XX-308-41-105799	24	400		
14	0.7	0.3	0.4	28	210-XX-314-41-105000	210-XX-314-41-105799	32	400		
16	0.8	0.3	0.4	25	210-XX-316-41-105000	210-XX-316-41-105799	32	400		
18	0.9	0.3	0.4	22	210-XX-318-41-105000	210-XX-318-41-105799	44	400		
20	1.0	0.3	0.4	20	210-XX-320-41-105000	210-XX-320-41-105799	44	400		
24	1.2	0.3	0.4	16	210-XX-324-41-105000	210-XX-324-41-105799	44	400		
<b>VACUUM PAD TOP AND BOTTOM</b>										
24	1.2	0.6	0.7	16	210-XX-624-41-105000	210-XX-624-41-105799	44	300		
28	1.4	0.6	0.7	14	210-XX-628-41-105000	210-XX-628-41-105799	56	300		
32	1.6	0.6	0.7	12	210-XX-632-41-105000	210-XX-632-41-105799	56	300		
40	2.0	0.6	0.7	10	210-XX-640-41-105000	NOT AVAILABLE				
See page 264 for coplanarity information					<b>SPECIFY PLATING CODE XX=</b>					
					Sleeve (Pin)			93		43
					Contact (Clip)			200 μ" Sn/Pb		200 μ" Sn
								30 μ" Au		30 μ" Au

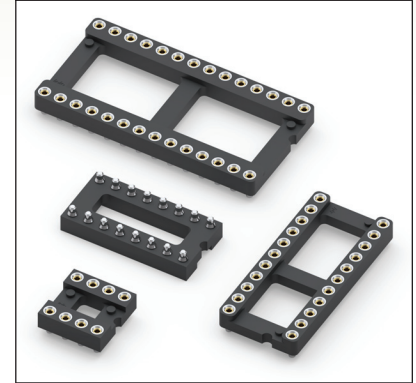




# DUAL-IN-LINE SOCKETS

## SERIES 114 • SURFACE MOUNT, STUB TAIL • OPEN FRAME



- Unique floating contacts compensate for the effects of unevenly dispensed solder paste
- Socket pins feature closed end construction eliminating any solder/flux wicking problems
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 114 uses MM #1434 pins. See page 162 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data see page 264 for details



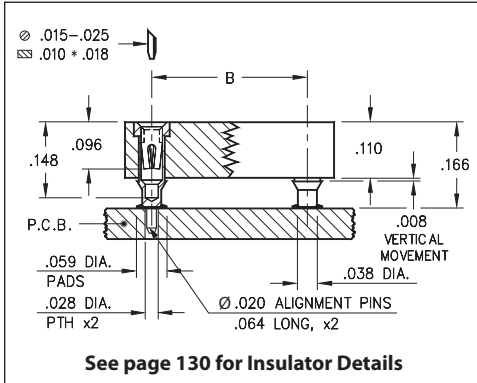
Total number of pins	Pin Spacing Dimensions			Quantity per tube	ORDERING INFORMATION						
	A	B	C								
10	0.5	0.2	0.3	41	114-XX-210-41-117000						
4	0.2	0.3	0.4	100	114-XX-304-41-117000						
6	0.3	0.3	0.4	67	114-XX-306-41-117000						
8	0.4	0.3	0.4	50	114-XX-308-41-117000						
10	0.5	0.3	0.4	40	114-XX-310-41-117000						
14	0.7	0.3	0.4	28	114-XX-314-41-117000						
16	0.8	0.3	0.4	25	114-XX-316-41-117000						
18	0.9	0.3	0.4	22	114-XX-318-41-117000						
20	1.0	0.3	0.4	20	114-XX-320-41-117000						
22	1.1	0.3	0.4	18	114-XX-322-41-117000						
24	1.2	0.3	0.4	16	114-XX-324-41-117000						
28	1.4	0.3	0.4	14	114-XX-328-41-117000						
20	1.0	0.4	0.5	20	114-XX-420-41-117000						
22	1.1	0.4	0.5	18	114-XX-422-41-117000						
24	1.2	0.4	0.5	16	114-XX-424-41-117000						
28	1.4	0.4	0.5	14	114-XX-428-41-117000						
32	1.6	0.4	0.5	12	114-XX-432-41-117000						
24	1.2	0.6	0.7	16	114-XX-624-41-117000						
28	1.4	0.6	0.7	14	114-XX-628-41-117000						
32	1.6	0.6	0.7	12	114-XX-632-41-117000						
36	1.8	0.6	0.7	11	114-XX-636-41-117000						
40	2.0	0.6	0.7	10	114-XX-640-41-117000						
42	2.1	0.6	0.7	9	114-XX-642-41-117000						
48	2.4	0.6	0.7	8	114-XX-648-41-117000						
50	2.5	0.6	0.7	8	114-XX-650-41-117000						
52	2.6	0.6	0.7	7	114-XX-652-41-117000						
50	2.5	0.9	1.0	8	114-XX-950-41-117000						
52	2.6	0.9	1.0	7	114-XX-952-41-117000						
64	3.2	0.9	1.0	6	114-XX-964-41-117000						
<b>SPECIFY PLATING CODE XX =</b> Sleeve (Pin)  Contact (Clip) 					91	93	41	43	47		
					200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn		
					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	Au Flash		

XX=Plating Code  
See Below

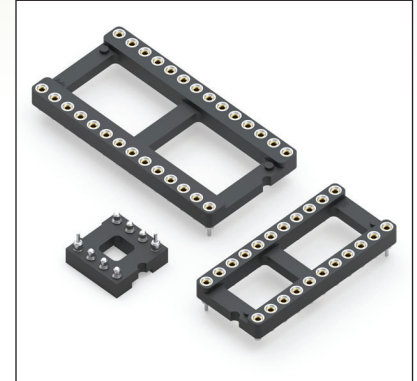


# DUAL-IN-LINE SOCKETS

## SERIES 113 • SURFACE MOUNT, STUB TAIL W/ ALIGNMENT PINS • OPEN FRAME



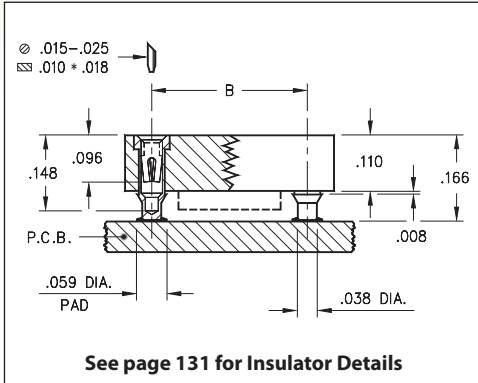
- Unique floating contacts compensate for the effects of unevenly dispensed solder paste
- Two corner alignment pins (power & ground positions) permit manual placement
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 113 uses MM #1334 and #1434 pins. See pages 162 and 171
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



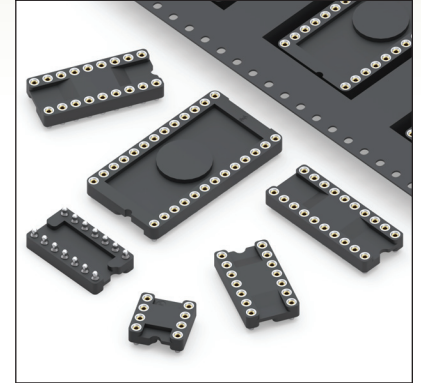
Total number of pins	ALIGNMENT PINS			Quantity per tube	ORDERING INFORMATION			
	A	B	C					
10	0.5	0.2	0.3	41	113-XX-210-41-117000			
4	0.2	0.3	0.4	100	113-XX-304-41-117000			
6	0.3	0.3	0.4	67	113-XX-306-41-117000			
8	0.4	0.3	0.4	50	113-XX-308-41-117000			
10	0.5	0.3	0.4	40	113-XX-310-41-117000			
14	0.7	0.3	0.4	28	113-XX-314-41-117000			
16	0.8	0.3	0.4	25	113-XX-316-41-117000			
18	0.9	0.3	0.4	22	113-XX-318-41-117000			
20	1.0	0.3	0.4	20	113-XX-320-41-117000			
22	1.1	0.3	0.4	18	113-XX-322-41-117000			
24	1.2	0.3	0.4	16	113-XX-324-41-117000			
28	1.4	0.3	0.4	14	113-XX-328-41-117000			
20	1.0	0.4	0.5	20	113-XX-420-41-117000			
22	1.1	0.4	0.5	18	113-XX-422-41-117000			
24	1.2	0.4	0.5	16	113-XX-424-41-117000			
28	1.4	0.4	0.5	14	113-XX-428-41-117000			
32	1.6	0.4	0.5	12	113-XX-432-41-117000			
24	1.2	0.6	0.7	16	113-XX-624-41-117000			
28	1.4	0.6	0.7	14	113-XX-628-41-117000			
32	1.6	0.6	0.7	12	113-XX-632-41-117000			
36	1.8	0.6	0.7	11	113-XX-636-41-117000			
40	2.0	0.6	0.7	10	113-XX-640-41-117000			
42	2.1	0.6	0.7	9	113-XX-642-41-117000			
48	2.4	0.6	0.7	8	113-XX-648-41-117000			
50	2.5	0.6	0.7	8	113-XX-650-41-117000			
52	2.6	0.6	0.7	7	113-XX-652-41-117000			
50	2.5	0.9	1.0	8	113-XX-950-41-117000			
52	2.6	0.9	1.0	7	113-XX-952-41-117000			
64	3.2	0.9	1.0	6	113-XX-964-41-117000			
<b>XX=Plating Code See Below</b>					<b>RoHS-2 2011/65/EU</b>			
<b>SPECIFY PLATING CODE XX =</b>					93		43	
Sleeve (Pin)					200 μ" Sn/Pb		200 μ" Sn	
Contact (Clip)					30 μ" Au		30 μ" Au	

# DUAL-IN-LINE SOCKETS

## SERIES 214 • SURFACE MOUNT, AUTO PLACEMENT, STUB TAIL • CLOSED FRAME



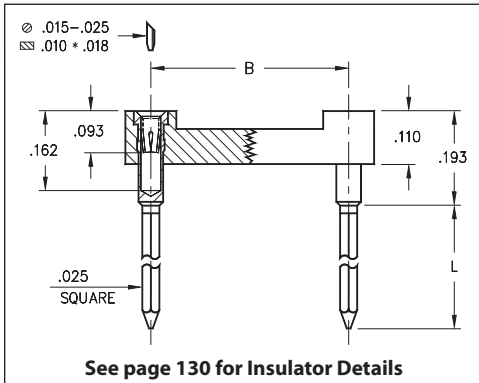
- Unique floating contacts compensate for the effects of unevenly screened solder paste
- Available packaged in tubes or on tape & reel per EIA-481
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 214 uses MM #1434 pins. See page 162 for details
- High temp. Nylon 46 insulator is suitable for all surface mount soldering processes. Closed frame insulator is vision system compatible
- For Electrical, Mechanical and Environmental Data, see page 264 for details



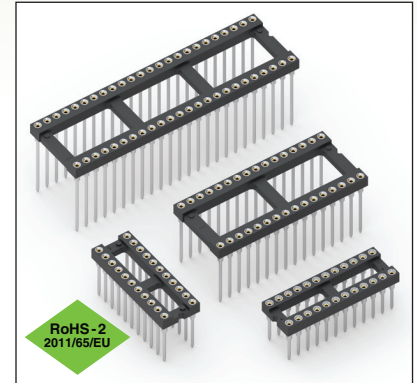
Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		Tube Packaging	Tape & Reel Packaging	Tape Width (mm)	QTY per Reel	
<b>VACUUM PAD TOP SURFACE ONLY</b>									
6	0.3	0.3	0.4	67	214-XX-306-01-670800	214-XX-306-01-670799	16	750	
8	0.4	0.3	0.4	50	214-XX-308-01-670800	214-XX-308-01-670799	16	1000	
14	0.7	0.3	0.4	28	214-XX-314-01-670800	214-XX-314-01-670799	32	750	
16	0.8	0.3	0.4	25	214-XX-316-01-670800	214-XX-316-01-670799	32	750	
18	0.9	0.3	0.4	22	214-XX-318-01-670800	214-XX-318-01-670799	44	750	
20	1.0	0.3	0.4	20	214-XX-320-01-670800	214-XX-320-01-670799	44	750	
<b>VACUUM PAD TOP AND BOTTOM</b>									
24	1.2	0.6	0.7	16	214-XX-624-01-670800	214-XX-624-01-670799	44	400	
28	1.4	0.6	0.7	14	214-XX-628-01-670800	214-XX-628-01-670799	56	400	
32	1.6	0.6	0.7	12	214-XX-632-01-670800	214-XX-632-01-670799	56	400	
40	2.0	0.6	0.7	10	214-XX-640-01-670800	NOT AVAILABLE			
<b>SPECIFY PLATING CODE XX =</b>								99	44
Sleeve (Pin)								200 μ" Sn/Pb	200 μ" Sn
Contact (Clip)								100 μ" Sn/Pb	100 μ" Sn

# DUAL-IN-LINE SOCKETS

## SERIES 121, 122, 123, 124 • 1 - 4 LEVEL WRAPPOST • OPEN FRAME



- Solderless wrappost terminals are firmly locked in the insulator body to withstand torque of a wrapping tool
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 121, 122, 123 and 124 use MM #0040, #0086, #0088 and #0089 pins. See page 198 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

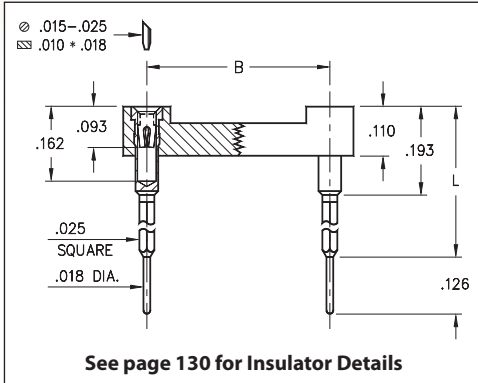


Total number of pins				Quantity per tube	ORDERING INFORMATION						
	A	B	C		L = .260 (1 Level Wrappost)	L = .370 (2 Level Wrappost)	L = .510 (3 Level Wrappost)	L = .630 (4 Level Wrappost)			
	10	0.5	0.2		0.3	40	121-XX-210-41-001000	122-XX-210-41-001000	123-XX-210-41-001000	124-XX-210-41-002000 <i>43 or 93 Plating Code ONLY</i>	
4	0.2	0.3	0.4	102	121-XX-304-41-001000	122-XX-304-41-001000	123-XX-304-41-001000	124-XX-304-41-002000			
6	0.3	0.3	0.4	67	121-XX-306-41-001000	122-XX-306-41-001000	123-XX-306-41-001000	124-XX-306-41-002000			
8	0.4	0.3	0.4	50	121-XX-308-41-001000	122-XX-308-41-001000	123-XX-308-41-001000	124-XX-308-41-002000			
10	0.5	0.3	0.4	40	121-XX-310-41-001000	122-XX-310-41-001000	123-XX-310-41-001000	124-XX-310-41-002000			
14	0.7	0.3	0.4	28	121-XX-314-41-001000	122-XX-314-41-001000	123-XX-314-41-001000	124-XX-314-41-002000			
16	0.8	0.3	0.4	25	121-XX-316-41-001000	122-XX-316-41-001000	123-XX-316-41-001000	124-XX-316-41-002000			
18	0.9	0.3	0.4	22	121-XX-318-41-001000	122-XX-318-41-001000	123-XX-318-41-001000	124-XX-318-41-002000			
20	1.0	0.3	0.4	20	121-XX-320-41-001000	122-XX-320-41-001000	123-XX-320-41-001000	124-XX-320-41-002000			
22	1.1	0.3	0.4	18	121-XX-322-41-001000	122-XX-322-41-001000	123-XX-322-41-001000	124-XX-322-41-002000			
24	1.2	0.3	0.4	16	121-XX-324-41-001000	122-XX-324-41-001000	123-XX-324-41-001000	124-XX-324-41-002000			
28	1.4	0.3	0.4	14	121-XX-328-41-001000	122-XX-328-41-001000	123-XX-328-41-001000	124-XX-328-41-002000 <i>43 or 93 Plating Code ONLY</i>			
20	1.0	0.4	0.5	20	121-XX-420-41-001000	122-XX-420-41-001000	123-XX-420-41-001000	124-XX-420-41-002000			
22	1.1	0.4	0.5	18	121-XX-422-41-001000	122-XX-422-41-001000	123-XX-422-41-001000	124-XX-422-41-002000			
24	1.2	0.4	0.5	16	121-XX-424-41-001000	122-XX-424-41-001000	123-XX-424-41-001000	124-XX-424-41-002000			
28	1.4	0.4	0.5	14	121-XX-428-41-001000	122-XX-428-41-001000	123-XX-428-41-001000	124-XX-428-41-002000			
32	1.6	0.4	0.5	12	121-XX-432-41-001000	122-XX-432-41-001000	123-XX-432-41-001000	124-XX-432-41-002000 <i>43 or 93 Plating Code ONLY</i>			
24	1.2	0.6	0.7	16	121-XX-624-41-001000	122-XX-624-41-001000	123-XX-624-41-001000	124-XX-624-41-002000			
28	1.4	0.6	0.7	14	121-XX-628-41-001000	122-XX-628-41-001000	123-XX-628-41-001000	124-XX-628-41-002000			
32	1.6	0.6	0.7	12	121-XX-632-41-001000	122-XX-632-41-001000	123-XX-632-41-001000	124-XX-632-41-002000			
36	1.8	0.6	0.7	11	121-XX-636-41-001000	122-XX-636-41-001000	123-XX-636-41-001000	124-XX-636-41-002000			
40	2.0	0.6	0.7	10	121-XX-640-41-001000	122-XX-640-41-001000	123-XX-640-41-001000	124-XX-640-41-002000			
42	2.1	0.6	0.7	9	121-XX-642-41-001000	122-XX-642-41-001000	123-XX-642-41-001000	124-XX-642-41-002000			
48	2.4	0.6	0.7	8	121-XX-648-41-001000	122-XX-648-41-001000	123-XX-648-41-001000	124-XX-648-41-002000			
50	2.5	0.6	0.7	8	121-XX-650-41-001000	122-XX-650-41-001000	123-XX-650-41-001000	124-XX-650-41-002000			
52	2.6	0.6	0.7	7	121-XX-652-41-001000	122-XX-652-41-001000	123-XX-652-41-001000	124-XX-652-41-002000 <i>43 or 93 Plating Code ONLY</i>			
50	2.5	0.9	1.0	8	121-XX-950-41-001000	122-XX-950-41-001000	123-XX-950-41-001000	124-XX-950-41-002000			
52	2.6	0.9	1.0	7	121-XX-952-41-001000	122-XX-952-41-001000	123-XX-952-41-001000	124-XX-952-41-002000			
64	3.2	0.9	1.0	6	121-XX-964-41-001000	122-XX-964-41-001000	123-XX-964-41-001000	124-XX-964-41-002000			
<b>SPECIFY PLATING CODE XX =</b>					13 ◆	91	93	41 ◆	43 ◆	47 ◆	<b>XX=Plating Code See to Left</b>
Sleeve (Pin)					10 μ" Au	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn	
Contact (Clip)					30 μ" Au	10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	Au Flash	

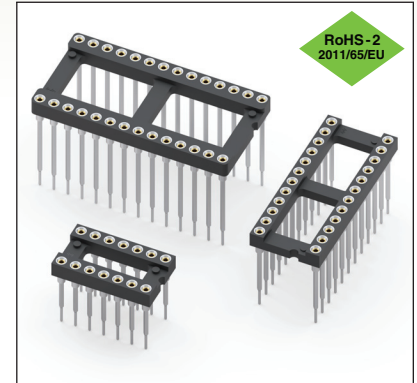


# DUAL-IN-LINE SOCKETS

## SERIES 126 • PLUGGABLE WRAPPOST • OPEN FRAME



- Combines one through three level wrappost with pluggable solder tails
- Suitable for use as an interconnect socket with intermediate wire wrapped connections
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 126 uses MM #2601, #2602 and #2603 pins. See page 199 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

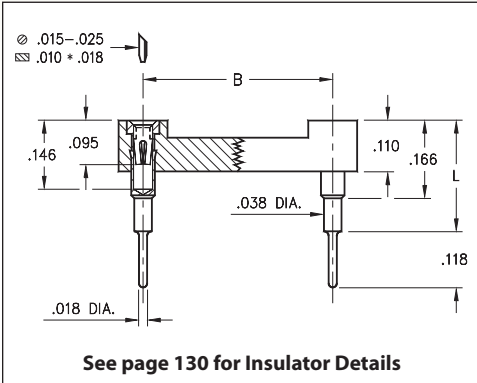


Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		L = .425 (1 Level Wrappost = .232)	L = .543 (2 Level Wrappost = .350)	L = .661 (3 Level Wrappost = .469)		
10	0.5	0.2	0.3	40	126-XX-210-41-001000	126-XX-210-41-002000	126-XX-210-41-003000		
4	0.2	0.3	0.4	102	126-XX-304-41-001000	126-XX-304-41-002000	126-XX-304-41-003000		
6	0.3	0.3	0.4	67	126-XX-306-41-001000	126-XX-306-41-002000	126-XX-306-41-003000		
8	0.4	0.3	0.4	50	126-XX-308-41-001000	126-XX-308-41-002000	126-XX-308-41-003000		
10	0.5	0.3	0.4	40	126-XX-310-41-001000	126-XX-310-41-002000	126-XX-310-41-003000		
14	0.7	0.3	0.4	28	126-XX-314-41-001000	126-XX-314-41-002000	126-XX-314-41-003000		
16	0.8	0.3	0.4	25	126-XX-316-41-001000	126-XX-316-41-002000	126-XX-316-41-003000		
18	0.9	0.3	0.4	22	126-XX-318-41-001000	126-XX-318-41-002000	126-XX-318-41-003000		
20	1.0	0.3	0.4	20	126-XX-320-41-001000	126-XX-320-41-002000	126-XX-320-41-003000		
22	1.1	0.3	0.4	18	126-XX-322-41-001000	126-XX-322-41-002000	126-XX-322-41-003000		
24	1.2	0.3	0.4	16	126-XX-324-41-001000	126-XX-324-41-002000	126-XX-324-41-003000		
28	1.4	0.3	0.4	14	126-XX-328-41-001000	126-XX-328-41-002000	126-XX-328-41-003000		
20	1.0	0.4	0.5	20	126-XX-420-41-001000	126-XX-420-41-002000	126-XX-420-41-003000		
22	1.1	0.4	0.5	18	126-XX-422-41-001000	126-XX-422-41-002000	126-XX-422-41-003000		
24	1.2	0.4	0.5	16	126-XX-424-41-001000	126-XX-424-41-002000	126-XX-424-41-003000		
28	1.4	0.4	0.5	14	126-XX-428-41-001000	126-XX-428-41-002000	126-XX-428-41-003000		
32	1.6	0.4	0.5	12	126-XX-432-41-001000	126-XX-432-41-002000	126-XX-432-41-003000		
24	1.2	0.6	0.7	16	126-XX-624-41-001000	126-XX-624-41-002000	126-XX-624-41-003000		
28	1.4	0.6	0.7	14	126-XX-628-41-001000	126-XX-628-41-002000	126-XX-628-41-003000		
32	1.6	0.6	0.7	12	126-XX-632-41-001000	126-XX-632-41-002000	126-XX-632-41-003000		
36	1.8	0.6	0.7	11	126-XX-636-41-001000	126-XX-636-41-002000	126-XX-636-41-003000		
40	2.0	0.6	0.7	10	126-XX-640-41-001000	126-XX-640-41-002000	126-XX-640-41-003000		
42	2.1	0.6	0.7	9	126-XX-642-41-001000	126-XX-642-41-002000	126-XX-642-41-003000		
48	2.4	0.6	0.7	8	126-XX-648-41-001000	126-XX-648-41-002000	126-XX-648-41-003000		
50	2.5	0.6	0.7	8	126-XX-650-41-001000	126-XX-650-41-002000	126-XX-650-41-003000		
52	2.6	0.6	0.7	7	126-XX-652-41-001000	126-XX-652-41-002000	126-XX-652-41-003000		
50	2.5	0.9	1.0	8	126-XX-950-41-001000	126-XX-950-41-002000	126-XX-950-41-003000		
52	2.6	0.9	1.0	7	126-XX-952-41-001000	126-XX-952-41-002000	126-XX-952-41-003000		
64	3.2	0.9	1.0	6	126-XX-964-41-001000	126-XX-964-41-002000	126-XX-964-41-003000		
SPECIFY PLATING CODE XX =					91	93	41 ◆	43 ◆	 XX=Plating Code See to Left
Sleeve (Pin)					200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	
Contact (Clip)					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	

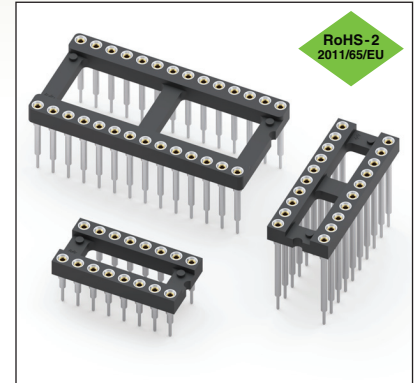


# DUAL-IN-LINE SOCKETS

## SERIES 116 • ELEVATED • OPEN FRAME



- Ideal for raised component requirements and stacking of PCBs
- Sockets are XY stackable
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 116 uses MM #0153-X pins. See page 167 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



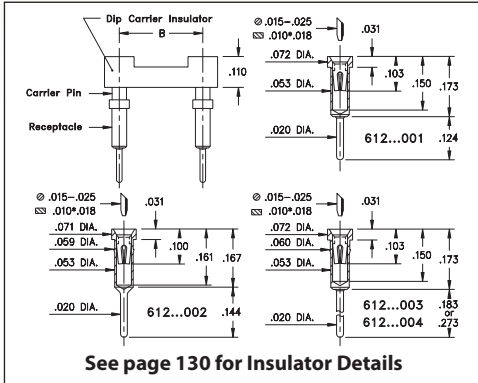
Total number of pins	Pin Spacing			Quantity per tube	ORDERING INFORMATION					
					L = .236	L = .315	L = .402	L = .472	L = .594	
	A	B	C		(#0153-1 pin)	(#0153-2 pin)	(#0153-3 pin)	(#0153-4 pin)	(#0153-5 pin)	
10	0.5	0.2	0.3	40	116-XX-210-41-006000	116-XX-210-41-003000	116-XX-210-41-007000	116-XX-210-41-008000	116-XX-210-41-001000	
4	0.2	0.3	0.4	102	116-XX-304-41-006000	116-XX-304-41-003000	116-XX-304-41-007000	116-XX-304-41-008000	116-XX-304-41-001000	
6	0.3	0.3	0.4	67	116-XX-306-41-006000	116-XX-306-41-003000	116-XX-306-41-007000	116-XX-306-41-008000	116-XX-306-41-001000	
8	0.4	0.3	0.4	50	116-XX-308-41-006000	116-XX-308-41-003000	116-XX-308-41-007000	116-XX-308-41-008000	116-XX-308-41-001000	
10	0.5	0.3	0.4	40	116-XX-310-41-006000	116-XX-310-41-003000	116-XX-310-41-007000	116-XX-310-41-008000	116-XX-310-41-001000	
14	0.7	0.3	0.4	28	116-XX-314-41-006000	116-XX-314-41-003000	116-XX-314-41-007000	116-XX-314-41-008000	116-XX-314-41-001000	
16	0.8	0.3	0.4	25	116-XX-316-41-006000	116-XX-316-41-003000	116-XX-316-41-007000	116-XX-316-41-008000	116-XX-316-41-001000	
18	0.9	0.3	0.4	22	116-XX-318-41-006000	116-XX-318-41-003000	116-XX-318-41-007000	116-XX-318-41-008000	116-XX-318-41-001000	
20	1.0	0.3	0.4	20	116-XX-320-41-006000	116-XX-320-41-003000	116-XX-320-41-007000	116-XX-320-41-008000	116-XX-320-41-001000	
22	1.1	0.3	0.4	18	116-XX-322-41-006000	116-XX-322-41-003000	116-XX-322-41-007000	116-XX-322-41-008000	116-XX-322-41-001000	
24	1.2	0.3	0.4	16	116-XX-324-41-006000	116-XX-324-41-003000	116-XX-324-41-007000	116-XX-324-41-008000	116-XX-324-41-001000	
28	1.4	0.3	0.4	14	116-XX-328-41-006000	116-XX-328-41-003000	116-XX-328-41-007000	116-XX-328-41-008000	116-XX-328-41-001000	
20	1.0	0.4	0.5	20	116-XX-420-41-006000	116-XX-420-41-003000	116-XX-420-41-007000	116-XX-420-41-008000	116-XX-420-41-001000	
22	1.1	0.4	0.5	18	116-XX-422-41-006000	116-XX-422-41-003000	116-XX-422-41-007000	116-XX-422-41-008000	116-XX-422-41-001000	
24	1.2	0.4	0.5	16	116-XX-424-41-006000	116-XX-424-41-003000	116-XX-424-41-007000	116-XX-424-41-008000	116-XX-424-41-001000	
28	1.4	0.4	0.5	14	116-XX-428-41-006000	116-XX-428-41-003000	116-XX-428-41-007000	116-XX-428-41-008000	116-XX-428-41-001000	
32	1.6	0.4	0.5	12	116-XX-432-41-006000	116-XX-432-41-003000	116-XX-432-41-007000	116-XX-432-41-008000	116-XX-432-41-001000	
24	1.2	0.6	0.7	16	116-XX-624-41-006000	116-XX-624-41-003000	116-XX-624-41-007000	116-XX-624-41-008000	116-XX-624-41-001000	
28	1.4	0.6	0.7	14	116-XX-628-41-006000	116-XX-628-41-003000	116-XX-628-41-007000	116-XX-628-41-008000	116-XX-628-41-001000	
32	1.6	0.6	0.7	12	116-XX-632-41-006000	116-XX-632-41-003000	116-XX-632-41-007000	116-XX-632-41-008000	116-XX-632-41-001000	
36	1.8	0.6	0.7	11	116-XX-636-41-006000	116-XX-636-41-003000	116-XX-636-41-007000	116-XX-636-41-008000	116-XX-636-41-001000	
40	2.0	0.6	0.7	10	116-XX-640-41-006000	116-XX-640-41-003000	116-XX-640-41-007000	116-XX-640-41-008000	116-XX-640-41-001000	
42	2.1	0.6	0.7	9	116-XX-642-41-006000	116-XX-642-41-003000	116-XX-642-41-007000	116-XX-642-41-008000	116-XX-642-41-001000	
48	2.4	0.6	0.7	8	116-XX-648-41-006000	116-XX-648-41-003000	116-XX-648-41-007000	116-XX-648-41-008000	116-XX-648-41-001000	
50	2.5	0.6	0.7	8	116-XX-650-41-006000	116-XX-650-41-003000	116-XX-650-41-007000	116-XX-650-41-008000	116-XX-650-41-001000	
52	2.6	0.6	0.7	7	116-XX-652-41-006000	116-XX-652-41-003000	116-XX-652-41-007000	116-XX-652-41-008000	116-XX-652-41-001000	
50	2.5	0.9	1.0	8	116-XX-950-41-006000	116-XX-950-41-003000	116-XX-950-41-007000	116-XX-950-41-008000	116-XX-950-41-001000	
52	2.6	0.9	1.0	7	116-XX-952-41-006000	116-XX-952-41-003000	116-XX-952-41-007000	116-XX-952-41-008000	116-XX-952-41-001000	
64	3.2	0.9	1.0	6	116-XX-964-41-006000	116-XX-964-41-003000	116-XX-964-41-007000	116-XX-964-41-008000	116-XX-964-41-001000	
<b>SPECIFY PLATING CODE XX=</b>					91	93	41	43	47	<b>XX=Plating Code See to Left</b>
Sleeve (Pin)					200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn	
Contact (Clip)					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	Au Flash	



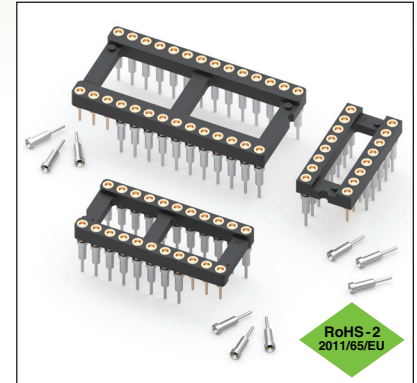


# DUAL-IN-LINE SOCKETS

## SERIES 612 • CARRIER TYPE, SOLDER TAIL • OPEN FRAME



- Convenient way to load loose receptacles on a PC board
- Removable plastic carriers can be returned for reloading
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 612 uses MM #0255, #8855, #0135 or #0132 pins. See pages 165 and 171 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

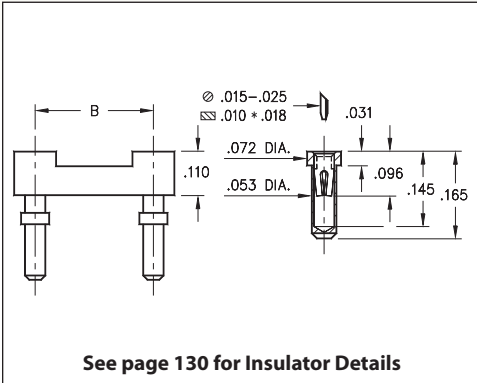


Total number of pins	 .100 (TYP)			Quantity per tube	ORDERING INFORMATION					
	A	B	C		Tail Length = .124 (.022 Min. Mounting Hole)	Tail Length = .144 (.022 Min. Mounting Hole)	Tail Length = .183 (.022 Min. Mounting Hole)	Tail Length = .273 (.022 Min. Mounting Hole)		
	10	0.5	0.2		0.3	40	612-XX-210-41-001000	612-XX-210-41-002000	612-XX-210-41-003000	612-XX-210-41-004000
4	0.2	0.3	0.4	102	612-XX-304-41-001000	612-XX-304-41-002000	612-XX-304-41-003000	612-XX-304-41-004000		
6	0.3	0.3	0.4	68	612-XX-306-41-001000	612-XX-306-41-002000	612-XX-306-41-003000	612-XX-306-41-004000		
8	0.4	0.3	0.4	50	612-XX-308-41-001000	612-XX-308-41-002000	612-XX-308-41-003000	612-XX-308-41-004000		
10	0.5	0.3	0.4	40	612-XX-310-41-001000	612-XX-310-41-002000	612-XX-310-41-003000	612-XX-310-41-004000		
14	0.7	0.3	0.4	28	612-XX-314-41-001000	612-XX-314-41-002000	612-XX-314-41-003000	612-XX-314-41-004000		
16	0.8	0.3	0.4	25	612-XX-316-41-001000	612-XX-316-41-002000	612-XX-316-41-003000	612-XX-316-41-004000		
18	0.9	0.3	0.4	22	612-XX-318-41-001000	612-XX-318-41-002000	612-XX-318-41-003000	612-XX-318-41-004000		
20	1.0	0.3	0.4	20	612-XX-320-41-001000	612-XX-320-41-002000	612-XX-320-41-003000	612-XX-320-41-004000		
22	1.1	0.3	0.4	18	612-XX-322-41-001000	612-XX-322-41-002000	612-XX-322-41-003000	612-XX-322-41-004000		
24	1.2	0.3	0.4	16	612-XX-324-41-001000	612-XX-324-41-002000	612-XX-324-41-003000	612-XX-324-41-004000		
28	1.4	0.3	0.4	14	612-XX-328-41-001000	612-XX-328-41-002000	612-XX-328-41-003000	612-XX-328-41-004000		
20	1.0	0.4	0.5	20	612-XX-420-41-001000	612-XX-420-41-002000	612-XX-420-41-003000	612-XX-420-41-004000		
22	1.1	0.4	0.5	18	612-XX-422-41-001000	612-XX-422-41-002000	612-XX-422-41-003000	612-XX-422-41-004000		
24	1.2	0.4	0.5	16	612-XX-424-41-001000	612-XX-424-41-002000	612-XX-424-41-003000	612-XX-424-41-004000		
28	1.4	0.4	0.5	14	612-XX-428-41-001000	612-XX-428-41-002000	612-XX-428-41-003000	612-XX-428-41-004000		
32	1.6	0.4	0.5	12	612-XX-432-41-001000	612-XX-432-41-002000	612-XX-432-41-003000	612-XX-432-41-004000		
24	1.2	0.6	0.7	16	612-XX-624-41-001000	612-XX-624-41-002000	612-XX-624-41-003000	612-XX-624-41-004000		
28	1.4	0.6	0.7	14	612-XX-628-41-001000	612-XX-628-41-002000	612-XX-628-41-003000	612-XX-628-41-004000		
32	1.6	0.6	0.7	12	612-XX-632-41-001000	612-XX-632-41-002000	612-XX-632-41-003000	612-XX-632-41-004000		
36	1.8	0.6	0.7	11	612-XX-636-41-001000	612-XX-636-41-002000	612-XX-636-41-003000	612-XX-636-41-004000		
40	2.0	0.6	0.7	10	612-XX-640-41-001000	612-XX-640-41-002000	612-XX-640-41-003000	612-XX-640-41-004000		
42	2.1	0.6	0.7	9	612-XX-642-41-001000	612-XX-642-41-002000	612-XX-642-41-003000	612-XX-642-41-004000		
48	2.4	0.6	0.7	8	612-XX-648-41-001000	612-XX-648-41-002000	612-XX-648-41-003000	612-XX-648-41-004000		
50	2.5	0.6	0.7	8	612-XX-650-41-001000	612-XX-650-41-002000	612-XX-650-41-003000	612-XX-650-41-004000		
52	2.6	0.6	0.7	7	612-XX-652-41-001000	612-XX-652-41-002000	612-XX-652-41-003000	612-XX-652-41-004000		
50	2.5	0.9	1.0	8	612-XX-950-41-001000	612-XX-950-41-002000	612-XX-950-41-003000	612-XX-950-41-004000		
52	2.6	0.9	1.0	7	612-XX-952-41-001000	612-XX-952-41-002000	612-XX-952-41-003000	612-XX-952-41-004000		
64	3.2	0.9	1.0	6	612-XX-964-41-001000	612-XX-964-41-002000	612-XX-964-41-003000	612-XX-964-41-004000		
<b>SPECIFY PLATING CODE XX =</b>					13	91	93	41	43	
Sleeve (Pin)					10 μ" Au	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	
Contact (Clip)					30 μ" Au	10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	

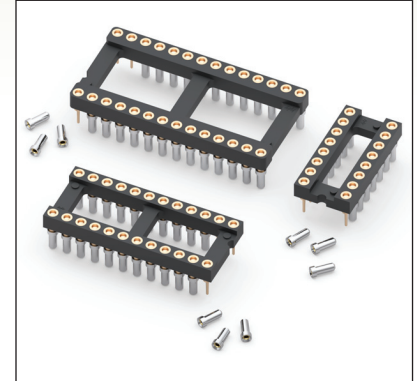


# DUAL-IN-LINE SOCKETS

## SERIES 614...001 • CARRIER TYPE, LOW PROFILE • OPEN FRAME



- Convenient way to load loose receptacles on a PC board
- Removable plastic carriers can be returned for reloading
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 614 uses MM #1401 pins. See page 170 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



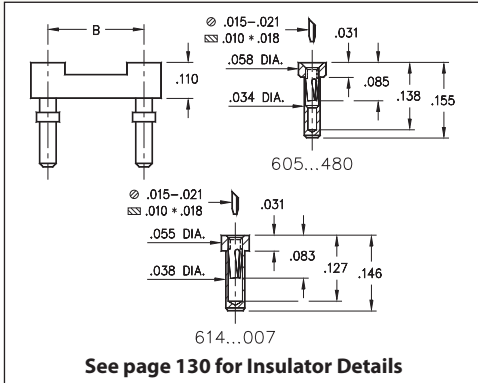
Total number of pins				Quantity per tube	<h3>ORDERING INFORMATION</h3>					
	A	B	C							
10	0.5	0.2	0.3	40	614-XX-210-41-001000					
4	0.2	0.3	0.4	102	614-XX-304-41-001000					
6	0.3	0.3	0.4	67	614-XX-306-41-001000					
8	0.4	0.3	0.4	50	614-XX-308-41-001000					
10	0.5	0.3	0.4	40	614-XX-310-41-001000					
14	0.7	0.3	0.4	28	614-XX-314-41-001000					
16	0.8	0.3	0.4	25	614-XX-316-41-001000					
18	0.9	0.3	0.4	22	614-XX-318-41-001000					
20	1.0	0.3	0.4	20	614-XX-320-41-001000					
22	1.1	0.3	0.4	18	614-XX-322-41-001000					
24	1.2	0.3	0.4	16	614-XX-324-41-001000					
28	1.4	0.3	0.4	14	614-XX-328-41-001000					
20	1.0	0.4	0.5	20	614-XX-420-41-001000					
22	1.1	0.4	0.5	18	614-XX-422-41-001000					
24	1.2	0.4	0.5	16	614-XX-424-41-001000					
28	1.4	0.4	0.5	14	614-XX-428-41-001000					
32	1.6	0.4	0.5	12	614-XX-432-41-001000					
24	1.2	0.6	0.7	16	614-XX-624-41-001000					
28	1.4	0.6	0.7	14	614-XX-628-41-001000					
32	1.6	0.6	0.7	12	614-XX-632-41-001000					
36	1.8	0.6	0.7	11	614-XX-636-41-001000					
40	2.0	0.6	0.7	10	614-XX-640-41-001000					
42	2.1	0.6	0.7	9	614-XX-642-41-001000					
48	2.4	0.6	0.7	8	614-XX-648-41-001000					
50	2.5	0.6	0.7	8	614-XX-650-41-001000					
52	2.6	0.6	0.7	7	614-XX-652-41-001000					
50	2.5	0.9	1.0	8	614-XX-950-41-001000					
52	2.6	0.9	1.0	7	614-XX-952-41-001000					
64	3.2	0.9	1.0	6	614-XX-964-41-001000					
<b>SPECIFY PLATING CODE XX =</b>					91	93	41	43		
Sleeve (Pin)					200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn		
Contact (Clip)					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au		

XX=Plating Code  
See Below

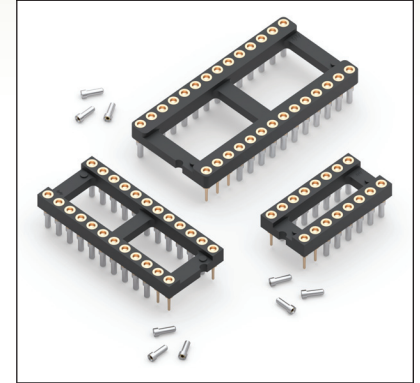
RoHS-2  
2011/65/EU

# DUAL-IN-LINE SOCKETS

## SERIES 605, 614 • CARRIER TYPE, LOW PROFILE • OPEN FRAME



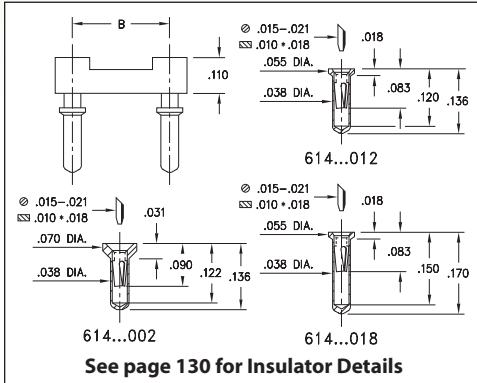
- Low profile receptacles sit only .031" high above the board
- Removable plastic carriers can be returned for reloading
- Hi-Rel, 3-finger BeCu #11 contact is rated at 3 amps. See page 251 for details
- Series 605 and 614 use MM #1407 & #0548 pins. See page 157 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



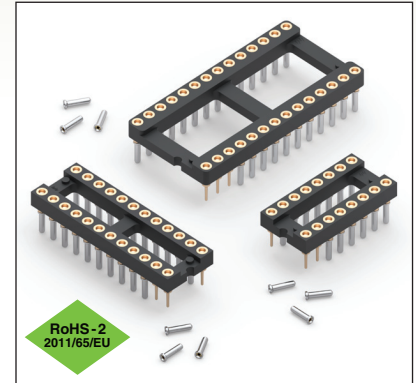
Total number of pins				Quantity per tube	ORDERING INFORMATION		<div style="text-align: center;"> <p>RoHS-2 2011/65/EU</p> <p>XX=Plating Code See Below</p> </div>	
	A	B	C		Length = .146 (.039 Min. Mounting Hole)	Length = .155 (.035 Min. Mounting Hole)		
	10	0.5	0.2		0.3	40		614-XX-210-31-007000
4	0.2	0.3	0.4	102	614-XX-304-31-007000	605-XX-304-11-480000		
6	0.3	0.3	0.4	68	614-XX-306-31-007000	605-XX-306-11-480000		
8	0.4	0.3	0.4	50	614-XX-308-31-007000	605-XX-308-11-480000		
10	0.5	0.3	0.4	40	614-XX-310-31-007000	605-XX-310-11-480000		
14	0.7	0.3	0.4	28	614-XX-314-31-007000	605-XX-314-11-480000		
16	0.8	0.3	0.4	25	614-XX-316-31-007000	605-XX-316-11-480000		
18	0.9	0.3	0.4	22	614-XX-318-31-007000	605-XX-318-11-480000		
20	1.0	0.3	0.4	20	614-XX-320-31-007000	605-XX-320-11-480000		
22	1.1	0.3	0.4	18	614-XX-322-31-007000	605-XX-322-11-480000		
24	1.2	0.3	0.4	16	614-XX-324-31-007000	605-XX-324-11-480000		
28	1.4	0.3	0.4	14	614-XX-328-31-007000	605-XX-328-11-480000		
20	1.0	0.4	0.5	20	614-XX-420-31-007000	605-XX-420-11-480000		
22	1.1	0.4	0.5	18	614-XX-422-31-007000	605-XX-422-11-480000		
24	1.2	0.4	0.5	16	614-XX-424-31-007000	605-XX-424-11-480000		
28	1.4	0.4	0.5	14	614-XX-428-31-007000	605-XX-428-11-480000		
32	1.6	0.4	0.5	12	614-XX-432-31-007000	605-XX-432-11-480000		
24	1.2	0.6	0.7	16	614-XX-624-31-007000	605-XX-624-11-480000		
28	1.4	0.6	0.7	14	614-XX-628-31-007000	605-XX-628-11-480000		
32	1.6	0.6	0.7	12	614-XX-632-31-007000	605-XX-632-11-480000		
36	1.8	0.6	0.7	11	614-XX-636-31-007000	605-XX-636-11-480000		
40	2.0	0.6	0.7	10	614-XX-640-31-007000	605-XX-640-11-480000		
42	2.1	0.6	0.7	9	614-XX-642-31-007000	605-XX-642-11-480000		
48	2.4	0.6	0.7	8	614-XX-648-31-007000	605-XX-648-11-480000		
50	2.5	0.6	0.7	8	614-XX-650-31-007000	605-XX-650-11-480000		
52	2.6	0.6	0.7	7	614-XX-652-31-007000	605-XX-652-11-480000		
50	2.5	0.9	1.0	8	614-XX-950-31-007000	605-XX-950-11-480000		
52	2.6	0.9	1.0	7	614-XX-952-31-007000	605-XX-952-11-480000		
64	3.2	0.9	1.0	6	614-XX-964-31-007000	605-XX-964-11-480000		
SPECIFY PLATING CODE XX =					91	93	41	43
Sleeve (Pin)					200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn
Contact (Clip)					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au

# DUAL-IN-LINE SOCKETS

## SERIES 614 • CARRIER TYPE, ULTRA LOW PROFILE • OPEN FRAME



- Ultra low profile receptacles sit only .018" to .031" high above the board
- Removable plastic carriers can be returned for reloading
- Hi-Rel, 3-finger BeCu #11 contact is rated at 3 amps. See page 251 for details
- Series 614 uses MM #0552-1, #0442-0, #0552-2 pins. See pages 157 and 158 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

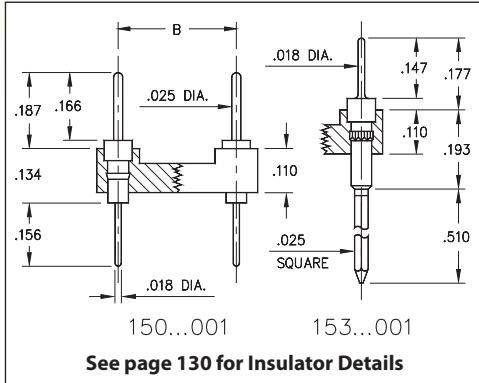


Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		Length = .136 (.039 Min. Mounting Hole)	Length = .136 (.039 Min. Mounting Hole)	Length = .170 (.039 Min. Mounting Hole)		
	10	0.5	0.2		0.3	40	614-XX-210-31-012000	614-XX-210-31-002000	614-XX-210-31-018000
4	0.2	0.3	0.4	102	614-XX-304-31-012000	614-XX-304-31-002000	614-XX-304-31-018000		
6	0.3	0.3	0.4	67	614-XX-306-31-012000	614-XX-306-31-002000	614-XX-306-31-018000		
8	0.4	0.3	0.4	50	614-XX-308-31-012000	614-XX-308-31-002000	614-XX-308-31-018000		
10	0.5	0.3	0.4	40	614-XX-310-31-012000	614-XX-310-31-002000	614-XX-310-31-018000		
14	0.7	0.3	0.4	28	614-XX-314-31-012000	614-XX-314-31-002000	614-XX-314-31-018000		
16	0.8	0.3	0.4	25	614-XX-316-31-012000	614-XX-316-31-002000	614-XX-316-31-018000		
18	0.9	0.3	0.4	22	614-XX-318-31-012000	614-XX-318-31-002000	614-XX-318-31-018000		
20	1.0	0.3	0.4	20	614-XX-320-31-012000	614-XX-320-31-002000	614-XX-320-31-018000		
22	1.1	0.3	0.4	18	614-XX-322-31-012000	614-XX-322-31-002000	614-XX-322-31-018000		
24	1.2	0.3	0.4	16	614-XX-324-31-012000	614-XX-324-31-002000	614-XX-324-31-018000		
28	1.4	0.3	0.4	14	614-XX-328-31-012000	614-XX-328-31-002000	614-XX-328-31-018000		
20	1.0	0.4	0.5	20	614-XX-420-31-012000	614-XX-420-31-002000	614-XX-420-31-018000		
22	1.1	0.4	0.5	18	614-XX-422-31-012000	614-XX-422-31-002000	614-XX-422-31-018000		
24	1.2	0.4	0.5	16	614-XX-424-31-012000	614-XX-424-31-002000	614-XX-424-31-018000		
28	1.4	0.4	0.5	14	614-XX-428-31-012000	614-XX-428-31-002000	614-XX-428-31-018000		
32	1.6	0.4	0.5	12	614-XX-432-31-012000	614-XX-432-31-002000	614-XX-432-31-018000		
24	1.2	0.6	0.7	16	614-XX-624-31-012000	614-XX-624-31-002000	614-XX-624-31-018000		
28	1.4	0.6	0.7	14	614-XX-628-31-012000	614-XX-628-31-002000	614-XX-628-31-018000		
32	1.6	0.6	0.7	12	614-XX-632-31-012000	614-XX-632-31-002000	614-XX-632-31-018000		
36	1.8	0.6	0.7	11	614-XX-636-31-012000	614-XX-636-31-002000	614-XX-636-31-018000		
40	2.0	0.6	0.7	10	614-XX-640-31-012000	614-XX-640-31-002000	614-XX-640-31-018000		
42	2.1	0.6	0.7	9	614-XX-642-31-012000	614-XX-642-31-002000	614-XX-642-31-018000		
48	2.4	0.6	0.7	8	614-XX-648-31-012000	614-XX-648-31-002000	614-XX-648-31-018000		
50	2.5	0.6	0.7	8	614-XX-650-31-012000	614-XX-650-31-002000	614-XX-650-31-018000		
52	2.6	0.6	0.7	7	614-XX-652-31-012000	614-XX-652-31-002000	614-XX-652-31-018000		
50	2.5	0.9	1.0	8	614-XX-950-31-012000	614-XX-950-31-002000	614-XX-950-31-018000		
52	2.6	0.9	1.0	7	614-XX-952-31-012000	614-XX-952-31-002000	614-XX-952-31-018000		
64	3.2	0.9	1.0	6	614-XX-964-31-012000	614-XX-964-31-002000	614-XX-964-31-018000		
<b>SPECIFY PLATING CODE XX =</b>					91	93	41 ◆	43 ◆	 XX=Plating Code See to Left
Sleeve (Pin)					200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	
Contact (Clip)					10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	

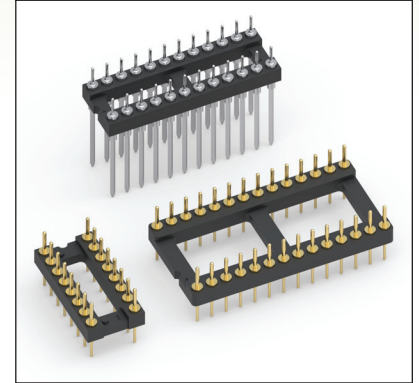



# DUAL-IN-LINE HEADERS

## SERIES 150, 153 • SOLDER TAIL AND WRAPOST • OPEN FRAME



- Series 150 DIL Headers are equipped with .025" dia. pins MM #0290. See page 215 for details
- Series 153 DIL Headers have 3-level wraposts MM #5301. See page 227 for details
- Both series have .018" dia. solder tails which are pluggable into standard contacts
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



Total number of pins	Pin Spacing			Quantity per tube	ORDERING INFORMATION		Solder Tail	3 Level Wrapost	Plating Code
	A	B	C		Solder Tail	3 Level Wrapost			
10	0.5	0.2	0.3	40	150-XX-210-00-001000	153-XX-210-00-001000			
4	0.2	0.3	0.4	102	150-XX-304-00-001000	153-XX-304-00-001000			
6	0.3	0.3	0.4	67	150-XX-306-00-001000	153-XX-306-00-001000			
8	0.4	0.3	0.4	50	150-XX-308-00-001000	153-XX-308-00-001000			
10	0.5	0.3	0.4	40	150-XX-310-00-001000	153-XX-310-00-001000			
14	0.7	0.3	0.4	29	150-XX-314-00-001000	153-XX-314-00-001000			
16	0.8	0.3	0.4	25	150-XX-316-00-001000	153-XX-316-00-001000			
18	0.9	0.3	0.4	22	150-XX-318-00-001000	153-XX-318-00-001000			
20	1.0	0.3	0.4	20	150-XX-320-00-001000	153-XX-320-00-001000			
22	1.1	0.3	0.4	18	150-XX-322-00-001000	153-XX-322-00-001000			
24	1.2	0.3	0.4	16	150-XX-324-00-001000	153-XX-324-00-001000			
28	1.4	0.3	0.4	14	150-XX-328-00-001000	153-XX-328-00-001000			
20	1.0	0.4	0.5	20	150-XX-420-00-001000	153-XX-420-00-001000			
22	1.1	0.4	0.5	18	150-XX-422-00-001000	153-XX-422-00-001000			
24	1.2	0.4	0.5	16	150-XX-424-00-001000	153-XX-424-00-001000			
28	1.4	0.4	0.5	14	150-XX-428-00-001000	153-XX-428-00-001000			
32	1.6	0.4	0.5	12	150-XX-432-00-001000	153-XX-432-00-001000			
24	1.2	0.6	0.7	16	150-XX-624-00-001000	153-XX-624-00-001000			
28	1.4	0.6	0.7	14	150-XX-628-00-001000	153-XX-628-00-001000			
32	1.6	0.6	0.7	12	150-XX-632-00-001000	153-XX-632-00-001000			
36	1.8	0.6	0.7	11	150-XX-636-00-001000	153-XX-636-00-001000			
40	2.0	0.6	0.7	10	150-XX-640-00-001000	153-XX-640-00-001000			
42	2.1	0.6	0.7	9	150-XX-642-00-001000	153-XX-642-00-001000			
48	2.4	0.6	0.7	8	150-XX-648-00-001000	153-XX-648-00-001000			
50	2.5	0.6	0.7	8	150-XX-650-00-001000	153-XX-650-00-001000			
52	2.6	0.6	0.7	7	150-XX-652-00-001000	153-XX-652-00-001000			
50	2.5	0.9	1.0	8	150-XX-950-00-001000	153-XX-950-00-001000			
52	2.6	0.9	1.0	7	150-XX-952-00-001000	153-XX-952-00-001000			
64	3.2	0.9	1.0	6	150-XX-964-00-001000	153-XX-964-00-001000			
					<b>SPECIFY PLATING CODE XX =</b>	10 ◆	90	40 ◆	
					Pin Plating 	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

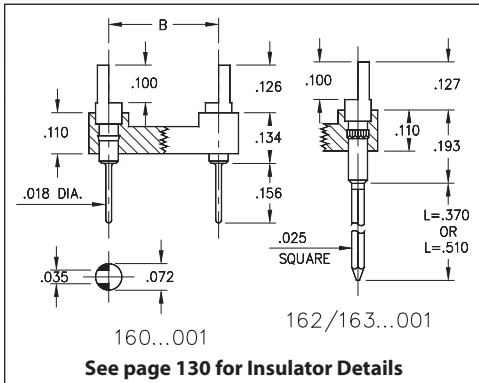


XX=Plating Code  
See Below

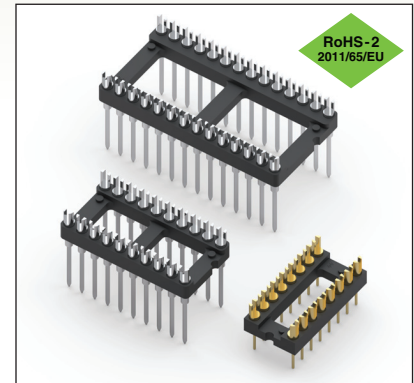


# DUAL-IN-LINE HEADERS

## SERIES 160, 162, 163 • SLOTTED, SOLDER TAIL & WRAPOST • OPEN FRAME



- Series 160, 162, and 163 DIL Headers are equipped with slotted heads to accept wires or component leads
- Series 160 terminations are pluggable .018" dia. solder tails MM #0282, See page 216 for details. Series 162 and 163 terminations are two or three level wraposts MM #1106. See page 228 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

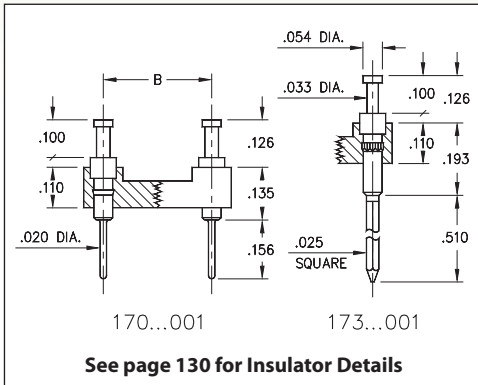


Total number of pins				Quantity per tube	ORDERING INFORMATION						
	A	B	C		Solder Tail	L = .370 (2 Level Wrapost)	L = .510 (3 Level Wrapost)				
10	0.5	0.2	0.3	41	160-XX-210-00-001000	162-XX-210-00-001000	163-XX-210-00-001000				
4	0.2	0.3	0.4	102	160-XX-304-00-001000	162-XX-304-00-001000	163-XX-304-00-001000				
6	0.3	0.3	0.4	67	160-XX-306-00-001000	162-XX-306-00-001000	163-XX-306-00-001000				
8	0.4	0.3	0.4	50	160-XX-308-00-001000	162-XX-308-00-001000	163-XX-308-00-001000				
10	0.5	0.3	0.4	40	160-XX-310-00-001000	162-XX-310-00-001000	163-XX-310-00-001000				
14	0.7	0.3	0.4	28	160-XX-314-00-001000	162-XX-314-00-001000	163-XX-314-00-001000				
16	0.8	0.3	0.4	25	160-XX-316-00-001000	162-XX-316-00-001000	163-XX-316-00-001000				
18	0.9	0.3	0.4	22	160-XX-318-00-001000	162-XX-318-00-001000	163-XX-318-00-001000				
20	1.0	0.3	0.4	20	160-XX-320-00-001000	162-XX-320-00-001000	163-XX-320-00-001000				
22	1.1	0.3	0.4	18	160-XX-322-00-001000	162-XX-322-00-001000	163-XX-322-00-001000				
24	1.2	0.3	0.4	16	160-XX-324-00-001000	162-XX-324-00-001000	163-XX-324-00-001000				
28	1.4	0.3	0.4	14	160-XX-328-00-001000	162-XX-328-00-001000	163-XX-328-00-001000				
20	1.0	0.4	0.5	20	160-XX-420-00-001000	162-XX-420-00-001000	163-XX-420-00-001000				
22	1.1	0.4	0.5	18	160-XX-422-00-001000	162-XX-422-00-001000	163-XX-422-00-001000				
24	1.2	0.4	0.5	16	160-XX-424-00-001000	162-XX-424-00-001000	163-XX-424-00-001000				
28	1.4	0.4	0.5	14	160-XX-428-00-001000	162-XX-428-00-001000	163-XX-428-00-001000				
32	1.6	0.4	0.5	12	160-XX-432-00-001000	162-XX-432-00-001000	163-XX-432-00-001000				
24	1.2	0.6	0.7	16	160-XX-624-00-001000	162-XX-624-00-001000	163-XX-624-00-001000				
28	1.4	0.6	0.7	14	160-XX-628-00-001000	162-XX-628-00-001000	163-XX-628-00-001000				
32	1.6	0.6	0.7	12	160-XX-632-00-001000	162-XX-632-00-001000	163-XX-632-00-001000				
36	1.8	0.6	0.7	11	160-XX-636-00-001000	162-XX-636-00-001000	163-XX-636-00-001000				
40	2.0	0.6	0.7	10	160-XX-640-00-001000	162-XX-640-00-001000	163-XX-640-00-001000				
42	2.1	0.6	0.7	9	160-XX-642-00-001000	162-XX-642-00-001000	163-XX-642-00-001000				
48	2.4	0.6	0.7	8	160-XX-648-00-001000	162-XX-648-00-001000	163-XX-648-00-001000				
50	2.5	0.6	0.7	8	160-XX-650-00-001000	162-XX-650-00-001000	163-XX-650-00-001000				
52	2.6	0.6	0.7	7	160-XX-652-00-001000	162-XX-652-00-001000	163-XX-652-00-001000				
50	2.5	0.9	1.0	8	160-XX-950-00-001000	162-XX-950-00-001000	163-XX-950-00-001000				
52	2.6	0.9	1.0	7	160-XX-952-00-001000	162-XX-952-00-001000	163-XX-952-00-001000				
64	3.2	0.9	1.0	6	160-XX-964-00-001000	162-XX-964-00-001000	163-XX-964-00-001000				
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> <b>XX=Plating Code</b> See to Right                 </div>					<b>SPECIFY PLATING CODE XX =</b>			10 ◆	90	40 ◆	
					Pin Plating	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn			



# DUAL-IN-LINE HEADERS

## SERIES 170, 173 • TURRET, SOLDER TAIL & WRAPOST • OPEN FRAME



- Series 170 & 173 DIL headers are equipped with turret heads for wiring applications
- Series 170 terminations are pluggable .020" dia. solder tails MM #0700, See page 216 for details. Series 173 terminations are three level wraposts MM #0730. See page 228 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



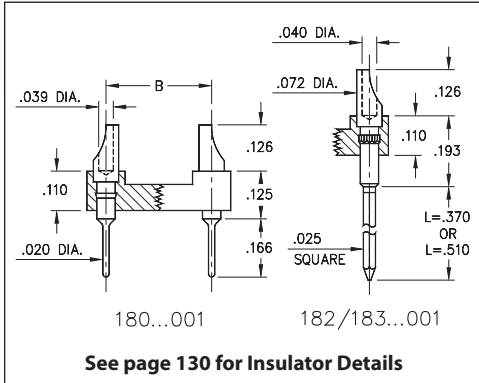
Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		Solder Tail	3 Level Wrapost			
	10	0.5	0.2		0.3	41	170-XX-210-00-001000	173-XX-210-00-001000	
4	0.2	0.3	0.4	102	170-XX-304-00-001000	173-XX-304-00-001000			
6	0.3	0.3	0.4	67	170-XX-306-00-001000	173-XX-306-00-001000			
8	0.4	0.3	0.4	50	170-XX-308-00-001000	173-XX-308-00-001000			
10	0.5	0.3	0.4	40	170-XX-310-00-001000	173-XX-310-00-001000			
14	0.7	0.3	0.4	28	170-XX-314-00-001000	173-XX-314-00-001000			
16	0.8	0.3	0.4	25	170-XX-316-00-001000	173-XX-316-00-001000			
18	0.9	0.3	0.4	22	170-XX-318-00-001000	173-XX-318-00-001000			
20	1.0	0.3	0.4	20	170-XX-320-00-001000	173-XX-320-00-001000			
22	1.1	0.3	0.4	18	170-XX-322-00-001000	173-XX-322-00-001000			
24	1.2	0.3	0.4	16	170-XX-324-00-001000	173-XX-324-00-001000			
28	1.4	0.3	0.4	14	170-XX-328-00-001000	173-XX-328-00-001000			
20	1.0	0.4	0.5	20	170-XX-420-00-001000	173-XX-420-00-001000			
22	1.1	0.4	0.5	18	170-XX-422-00-001000	173-XX-422-00-001000			
24	1.2	0.4	0.5	16	170-XX-424-00-001000	173-XX-424-00-001000			
28	1.4	0.4	0.5	14	170-XX-428-00-001000	173-XX-428-00-001000			
32	1.6	0.4	0.5	12	170-XX-432-00-001000	173-XX-432-00-001000			
24	1.2	0.6	0.7	16	170-XX-624-00-001000	173-XX-624-00-001000			
28	1.4	0.6	0.7	14	170-XX-628-00-001000	173-XX-628-00-001000			
32	1.6	0.6	0.7	12	170-XX-632-00-001000	173-XX-632-00-001000			
36	1.8	0.6	0.7	11	170-XX-636-00-001000	173-XX-636-00-001000			
40	2.0	0.6	0.7	10	170-XX-640-00-001000	173-XX-640-00-001000			
42	2.1	0.6	0.7	9	170-XX-642-00-001000	173-XX-642-00-001000			
48	2.4	0.6	0.7	8	170-XX-648-00-001000	173-XX-648-00-001000			
50	2.5	0.6	0.7	8	170-XX-650-00-001000	173-XX-650-00-001000			
52	2.6	0.6	0.7	7	170-XX-652-00-001000	173-XX-652-00-001000			
50	2.5	0.9	1.0	8	170-XX-950-00-001000	173-XX-950-00-001000			
52	2.6	0.9	1.0	7	170-XX-952-00-001000	173-XX-952-00-001000			
64	3.2	0.9	1.0	6	170-XX-964-00-001000	173-XX-964-00-001000			
					<b>SPECIFY PLATING CODE XX =</b>	10 ◆	90	40 ◆	
					Pin Plating	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	



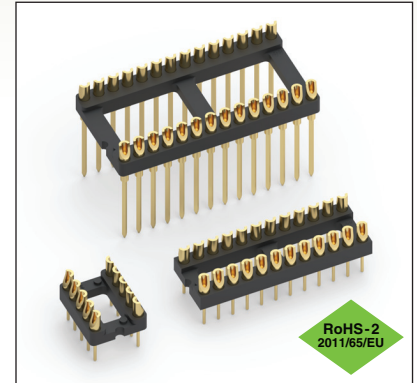
XX=Plating Code  
See Below

# DUAL-IN-LINE HEADERS

**SERIES 180, 182, 183 • SOLDER CUP, SOLDER TAIL & WRAPOST • OPEN FRAME**



- Series 180, 182, and 183 DIL Headers are equipped with solder cups for wiring applications
- Series 180 terminations are pluggable .020" dia. solder tails MM #8000, See page 216 for details. Series 182 and 183 terminations are two or three level wraposts MM #8301. See page 227 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



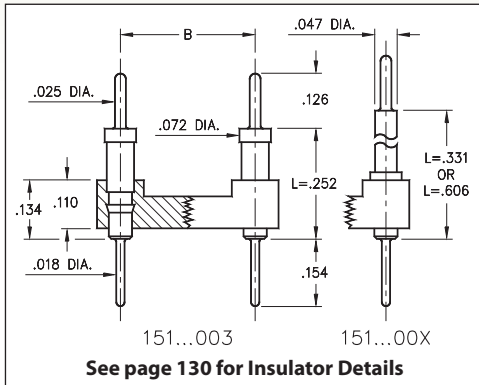
Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		Solder Tail	L = .370 (2 Level Wrapost)	L = .510 (3 Level Wrapost)		
10	0.5	0.2	0.3	41	180-10-210-00-001000	182-10-210-00-001000	183-10-210-00-001000		
4	0.2	0.3	0.4	102	180-10-304-00-001000	182-10-304-00-001000	183-10-304-00-001000		
6	0.3	0.3	0.4	67	180-10-306-00-001000	182-10-306-00-001000	183-10-306-00-001000		
8	0.4	0.3	0.4	50	180-10-308-00-001000	182-10-308-00-001000	183-10-308-00-001000		
10	0.5	0.3	0.4	40	180-10-310-00-001000	182-10-310-00-001000	183-10-310-00-001000		
14	0.7	0.3	0.4	28	180-10-314-00-001000	182-10-314-00-001000	183-10-314-00-001000		
16	0.8	0.3	0.4	25	180-10-316-00-001000	182-10-316-00-001000	183-10-316-00-001000		
18	0.9	0.3	0.4	22	180-10-318-00-001000	182-10-318-00-001000	183-10-318-00-001000		
20	1.0	0.3	0.4	20	180-10-320-00-001000	182-10-320-00-001000	183-10-320-00-001000		
22	1.1	0.3	0.4	18	180-10-322-00-001000	182-10-322-00-001000	183-10-322-00-001000		
24	1.2	0.3	0.4	16	180-10-324-00-001000	182-10-324-00-001000	183-10-324-00-001000		
28	1.4	0.3	0.4	14	180-10-328-00-001000	182-10-328-00-001000	183-10-328-00-001000		
20	1.0	0.4	0.5	20	180-10-420-00-001000	182-10-420-00-001000	183-10-420-00-001000		
22	1.1	0.4	0.5	18	180-10-422-00-001000	182-10-422-00-001000	183-10-422-00-001000		
24	1.2	0.4	0.5	16	180-10-424-00-001000	182-10-424-00-001000	183-10-424-00-001000		
28	1.4	0.4	0.5	14	180-10-428-00-001000	182-10-428-00-001000	183-10-428-00-001000		
32	1.6	0.4	0.5	12	180-10-432-00-001000	182-10-432-00-001000	183-10-432-00-001000		
24	1.2	0.6	0.7	16	180-10-624-00-001000	182-10-624-00-001000	183-10-624-00-001000		
28	1.4	0.6	0.7	14	180-10-628-00-001000	182-10-628-00-001000	183-10-628-00-001000		
32	1.6	0.6	0.7	12	180-10-632-00-001000	182-10-632-00-001000	183-10-632-00-001000		
36	1.8	0.6	0.7	11	180-10-636-00-001000	182-10-636-00-001000	183-10-636-00-001000		
40	2.0	0.6	0.7	10	180-10-640-00-001000	182-10-640-00-001000	183-10-640-00-001000		
42	2.1	0.6	0.7	9	180-10-642-00-001000	182-10-642-00-001000	183-10-642-00-001000		
48	2.4	0.6	0.7	8	180-10-648-00-001000	182-10-648-00-001000	183-10-648-00-001000		
50	2.5	0.6	0.7	8	180-10-650-00-001000	182-10-650-00-001000	183-10-650-00-001000		
52	2.6	0.6	0.7	7	180-10-652-00-001000	182-10-652-00-001000	183-10-652-00-001000		
50	2.5	0.9	1.0	8	180-10-950-00-001000	182-10-950-00-001000	183-10-950-00-001000		
52	2.6	0.9	1.0	7	180-10-952-00-001000	182-10-952-00-001000	183-10-952-00-001000		
64	3.2	0.9	1.0	6	180-10-964-00-001000	182-10-964-00-001000	183-10-964-00-001000		
XX=Plating Code See to Right					SPECIFY PLATING CODE XX =		10		
					Pin Plating		10 μ" Au		



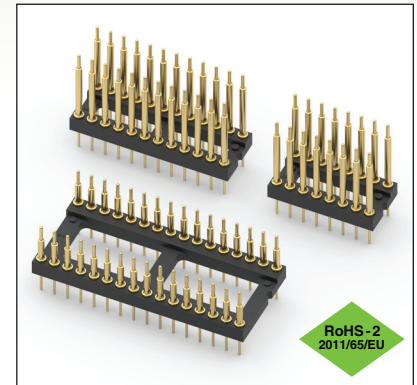


# DUAL-IN-LINE HEADERS

## SERIES 151...003, 004, 005 • INTERCONNECT • OPEN FRAME



- Series 151 DIL Headers combine .025" dia. tails with pluggable .018" dia. solder tails
- Series:
  - 151...003 uses MM #5503 pins
  - 151...004 uses MM #5504 pins
  - 151...005 uses MM #5505 pins
 See page 214 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

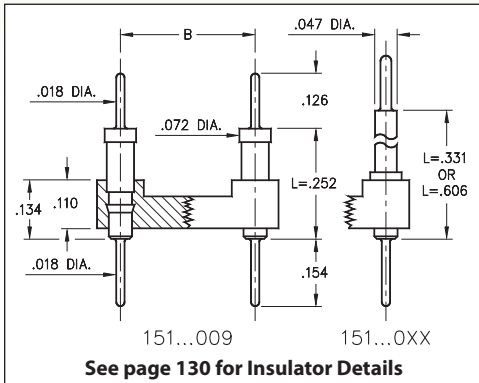


Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		L = .252	L = .331	L = .606		
10	0.5	0.2	0.3	41	151-10-210-00-003000	151-10-210-00-004000	151-10-210-00-005000		
4	0.2	0.3	0.4	102	151-10-304-00-003000	151-10-304-00-004000	151-10-304-00-005000		
6	0.3	0.3	0.4	67	151-10-306-00-003000	151-10-306-00-004000	151-10-306-00-005000		
8	0.4	0.3	0.4	50	151-10-308-00-003000	151-10-308-00-004000	151-10-308-00-005000		
10	0.5	0.3	0.4	40	151-10-310-00-003000	151-10-310-00-004000	151-10-310-00-005000		
14	0.7	0.3	0.4	28	151-10-314-00-003000	151-10-314-00-004000	151-10-314-00-005000		
16	0.8	0.3	0.4	25	151-10-316-00-003000	151-10-316-00-004000	151-10-316-00-005000		
18	0.9	0.3	0.4	22	151-10-318-00-003000	151-10-318-00-004000	151-10-318-00-005000		
20	1.0	0.3	0.4	20	151-10-320-00-003000	151-10-320-00-004000	151-10-320-00-005000		
22	1.1	0.3	0.4	18	151-10-322-00-003000	151-10-322-00-004000	151-10-322-00-005000		
24	1.2	0.3	0.4	16	151-10-324-00-003000	151-10-324-00-004000	151-10-324-00-005000		
28	1.4	0.3	0.4	14	151-10-328-00-003000	151-10-328-00-004000	151-10-328-00-005000		
20	1.0	0.4	0.5	20	151-10-420-00-003000	151-10-420-00-004000	151-10-420-00-005000		
22	1.1	0.4	0.5	18	151-10-422-00-003000	151-10-422-00-004000	151-10-422-00-005000		
24	1.2	0.4	0.5	16	151-10-424-00-003000	151-10-424-00-004000	151-10-424-00-005000		
28	1.4	0.4	0.5	14	151-10-428-00-003000	151-10-428-00-004000	151-10-428-00-005000		
32	1.6	0.4	0.5	12	151-10-432-00-003000	151-10-432-00-004000	151-10-432-00-005000		
24	1.2	0.6	0.7	16	151-10-624-00-003000	151-10-624-00-004000	151-10-624-00-005000		
28	1.4	0.6	0.7	14	151-10-628-00-003000	151-10-628-00-004000	151-10-628-00-005000		
32	1.6	0.6	0.7	12	151-10-632-00-003000	151-10-632-00-004000	151-10-632-00-005000		
36	1.8	0.6	0.7	11	151-10-636-00-003000	151-10-636-00-004000	151-10-636-00-005000		
40	2.0	0.6	0.7	10	151-10-640-00-003000	151-10-640-00-004000	151-10-640-00-005000		
42	2.1	0.6	0.7	9	151-10-642-00-003000	151-10-642-00-004000	151-10-642-00-005000		
48	2.4	0.6	0.7	8	151-10-648-00-003000	151-10-648-00-004000	151-10-648-00-005000		
50	2.5	0.6	0.7	8	151-10-650-00-003000	151-10-650-00-004000	151-10-650-00-005000		
52	2.6	0.6	0.7	7	151-10-652-00-003000	151-10-652-00-004000	151-10-652-00-005000		
50	2.5	0.9	1.0	8	151-10-950-00-003000	151-10-950-00-004000	151-10-950-00-005000		
52	2.6	0.9	1.0	7	151-10-952-00-003000	151-10-952-00-004000	151-10-952-00-005000		
64	3.2	0.9	1.0	6	151-10-964-00-003000	151-10-964-00-004000	151-10-964-00-005000		
XX=Plating Code See to Right					SPECIFY PLATING CODE XX =		10		
					Pin Plating		10 μ" Au		

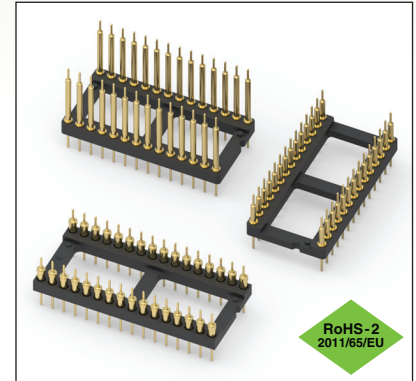


# DUAL-IN-LINE HEADERS

## SERIES 151...009, 010, 011 • INTERCONNECT • OPEN FRAME



- Series 151 DIL Headers feature .018" dia. solder tails at both ends making these headers entirely pluggable
- Series:
  - 151...009 uses MM #5509 pins
  - 151...010 uses MM #5510 pins
  - 151...011 uses MM #5511 pins
 See pages 212 and 214 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

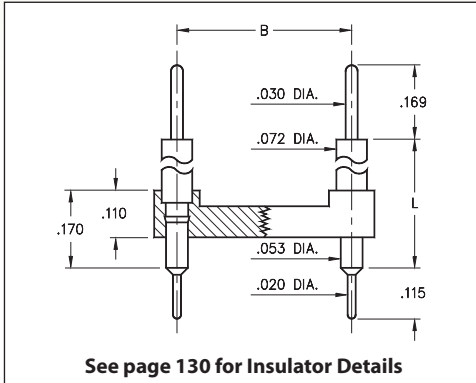


Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		L = .252	L = .331	L = .606		
10	0.5	0.2	0.3	41	151-10-210-00-009000	151-10-210-00-010000	151-10-210-00-011000		
4	0.2	0.3	0.4	102	151-10-304-00-009000	151-10-304-00-010000	151-10-304-00-011000		
6	0.3	0.3	0.4	67	151-10-306-00-009000	151-10-306-00-010000	151-10-306-00-011000		
8	0.4	0.3	0.4	50	151-10-308-00-009000	151-10-308-00-010000	151-10-308-00-011000		
10	0.5	0.3	0.4	40	151-10-310-00-009000	151-10-310-00-010000	151-10-310-00-011000		
14	0.7	0.3	0.4	28	151-10-314-00-009000	151-10-314-00-010000	151-10-314-00-011000		
16	0.8	0.3	0.4	25	151-10-316-00-009000	151-10-316-00-010000	151-10-316-00-011000		
18	0.9	0.3	0.4	22	151-10-318-00-009000	151-10-318-00-010000	151-10-318-00-011000		
20	1.0	0.3	0.4	20	151-10-320-00-009000	151-10-320-00-010000	151-10-320-00-011000		
22	1.1	0.3	0.4	18	151-10-322-00-009000	151-10-322-00-010000	151-10-322-00-011000		
24	1.2	0.3	0.4	16	151-10-324-00-009000	151-10-324-00-010000	151-10-324-00-011000		
28	1.4	0.3	0.4	14	151-10-328-00-009000	151-10-328-00-010000	151-10-328-00-011000		
20	1.0	0.4	0.5	20	151-10-420-00-009000	151-10-420-00-010000	151-10-420-00-011000		
22	1.1	0.4	0.5	18	151-10-422-00-009000	151-10-422-00-010000	151-10-422-00-011000		
24	1.2	0.4	0.5	16	151-10-424-00-009000	151-10-424-00-010000	151-10-424-00-011000		
28	1.4	0.4	0.5	14	151-10-428-00-009000	151-10-428-00-010000	151-10-428-00-011000		
32	1.6	0.4	0.5	12	151-10-432-00-009000	151-10-432-00-010000	151-10-432-00-011000		
24	1.2	0.6	0.7	16	151-10-624-00-009000	151-10-624-00-010000	151-10-624-00-011000		
28	1.4	0.6	0.7	14	151-10-628-00-009000	151-10-628-00-010000	151-10-628-00-011000		
32	1.6	0.6	0.7	12	151-10-632-00-009000	151-10-632-00-010000	151-10-632-00-011000		
36	1.8	0.6	0.7	11	151-10-636-00-009000	151-10-636-00-010000	151-10-636-00-011000		
40	2.0	0.6	0.7	10	151-10-640-00-009000	151-10-640-00-010000	151-10-640-00-011000		
42	2.1	0.6	0.7	9	151-10-642-00-009000	151-10-642-00-010000	151-10-642-00-011000		
48	2.4	0.6	0.7	8	151-10-648-00-009000	151-10-648-00-010000	151-10-648-00-011000		
50	2.5	0.6	0.7	8	151-10-650-00-009000	151-10-650-00-010000	151-10-650-00-011000		
52	2.6	0.6	0.7	7	151-10-652-00-009000	151-10-652-00-010000	151-10-652-00-011000		
50	2.5	0.9	1.0	8	151-10-950-00-009000	151-10-950-00-010000	151-10-950-00-011000		
52	2.6	0.9	1.0	7	151-10-952-00-009000	151-10-952-00-010000	151-10-952-00-011000		
64	3.2	0.9	1.0	6	151-10-964-00-009000	151-10-964-00-010000	151-10-964-00-011000		
XX=Plating Code See to Right					SPECIFY PLATING CODE XX =		10 ◆		
					Pin Plating		10 μ" Au		



# DUAL-IN-LINE HEADERS

## SERIES 134 • INTERCONNECT • OPEN FRAME

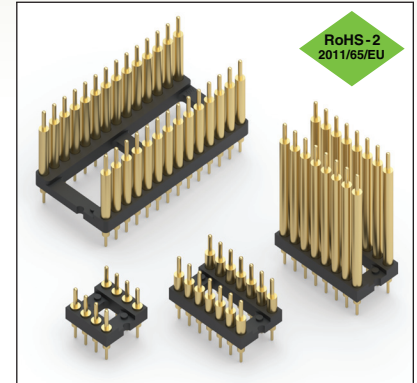


• Series 134 DIL Headers combine .030" diameter pins with pluggable .020" diameter solder tails

• Series:  
 134...020 uses MM #3402 pins  
 134...010 uses MM #3401 pins  
 134...050 uses MM #3405 pins  
 134...000 uses MM #3400 pins  
 134...100 uses MM #3410 pins  
 See page 215 for details

• Insulators are high temperature thermoplastic, suitable for all soldering operations

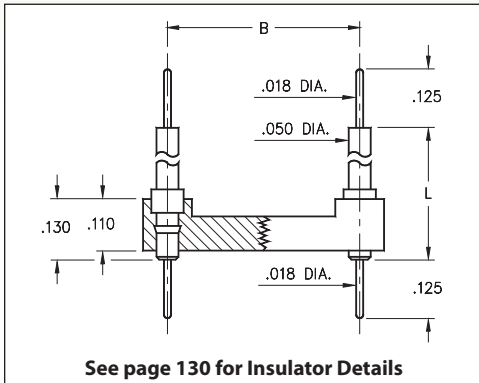
• For Electrical, Mechanical and Environmental Data, see page 264 for details



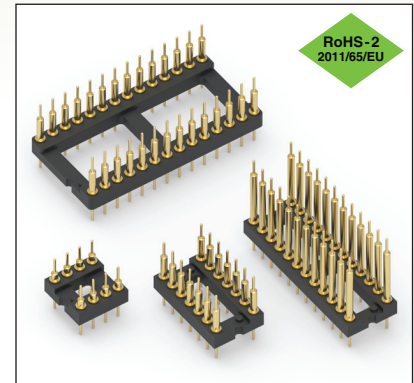
Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		L = .190	L = .236	L = .315	L = .605	L = 1.070
	.100 (TYP)								
10	0.5	0.2	0.3	41	134-10-210-00-020000	134-10-210-00-010000	134-10-210-00-050000	134-10-210-00-000000	134-10-210-00-100000
4	0.2	0.3	0.4	102	134-10-304-00-020000	134-10-304-00-010000	134-10-304-00-050000	134-10-304-00-000000	134-10-304-00-100000
6	0.3	0.3	0.4	67	134-10-306-00-020000	134-10-306-00-010000	134-10-306-00-050000	134-10-306-00-000000	134-10-306-00-100000
8	0.4	0.3	0.4	50	134-10-308-00-020000	134-10-308-00-010000	134-10-308-00-050000	134-10-308-00-000000	134-10-308-00-100000
10	0.5	0.3	0.4	40	134-10-310-00-020000	134-10-310-00-010000	134-10-310-00-050000	134-10-310-00-000000	134-10-310-00-100000
14	0.7	0.3	0.4	28	134-10-314-00-020000	134-10-314-00-010000	134-10-314-00-050000	134-10-314-00-000000	134-10-314-00-100000
16	0.8	0.3	0.4	25	134-10-316-00-020000	134-10-316-00-010000	134-10-316-00-050000	134-10-316-00-000000	134-10-316-00-100000
18	0.9	0.3	0.4	22	134-10-318-00-020000	134-10-318-00-010000	134-10-318-00-050000	134-10-318-00-000000	134-10-318-00-100000
20	1.0	0.3	0.4	20	134-10-320-00-020000	134-10-320-00-010000	134-10-320-00-050000	134-10-320-00-000000	134-10-320-00-100000
22	1.1	0.3	0.4	18	134-10-322-00-020000	134-10-322-00-010000	134-10-322-00-050000	134-10-322-00-000000	134-10-322-00-100000
24	1.2	0.3	0.4	16	134-10-324-00-020000	134-10-324-00-010000	134-10-324-00-050000	134-10-324-00-000000	134-10-324-00-100000
28	1.4	0.3	0.4	14	134-10-328-00-020000	134-10-328-00-010000	134-10-328-00-050000	134-10-328-00-000000	134-10-328-00-100000
20	1.0	0.4	0.5	20	134-10-420-00-020000	134-10-420-00-010000	134-10-420-00-050000	134-10-420-00-000000	134-10-420-00-100000
22	1.1	0.4	0.5	18	134-10-422-00-020000	134-10-422-00-010000	134-10-422-00-050000	134-10-422-00-000000	134-10-422-00-100000
24	1.2	0.4	0.5	16	134-10-424-00-020000	134-10-424-00-010000	134-10-424-00-050000	134-10-424-00-000000	134-10-424-00-100000
28	1.4	0.4	0.5	14	134-10-428-00-020000	134-10-428-00-010000	134-10-428-00-050000	134-10-428-00-000000	134-10-428-00-100000
32	1.6	0.4	0.5	12	134-10-432-00-020000	134-10-432-00-010000	134-10-432-00-050000	134-10-432-00-000000	134-10-432-00-100000
24	1.2	0.6	0.7	16	134-10-624-00-020000	134-10-624-00-010000	134-10-624-00-050000	134-10-624-00-000000	134-10-624-00-100000
28	1.4	0.6	0.7	14	134-10-628-00-020000	134-10-628-00-010000	134-10-628-00-050000	134-10-628-00-000000	134-10-628-00-100000
32	1.6	0.6	0.7	12	134-10-632-00-020000	134-10-632-00-010000	134-10-632-00-050000	134-10-632-00-000000	134-10-632-00-100000
36	1.8	0.6	0.7	11	134-10-636-00-020000	134-10-636-00-010000	134-10-636-00-050000	134-10-636-00-000000	134-10-636-00-100000
40	2.0	0.6	0.7	10	134-10-640-00-020000	134-10-640-00-010000	134-10-640-00-050000	134-10-640-00-000000	134-10-640-00-100000
42	2.1	0.6	0.7	9	134-10-642-00-020000	134-10-642-00-010000	134-10-642-00-050000	134-10-642-00-000000	134-10-642-00-100000
48	2.4	0.6	0.7	8	134-10-648-00-020000	134-10-648-00-010000	134-10-648-00-050000	134-10-648-00-000000	134-10-648-00-100000
50	2.5	0.6	0.7	8	134-10-650-00-020000	134-10-650-00-010000	134-10-650-00-050000	134-10-650-00-000000	134-10-650-00-100000
52	2.6	0.6	0.7	7	134-10-652-00-020000	134-10-652-00-010000	134-10-652-00-050000	134-10-652-00-000000	134-10-652-00-100000
50	2.5	0.9	1.0	8	134-10-950-00-020000	134-10-950-00-010000	134-10-950-00-050000	134-10-950-00-000000	134-10-950-00-100000
52	2.6	0.9	1.0	7	134-10-952-00-020000	134-10-952-00-010000	134-10-952-00-050000	134-10-952-00-000000	134-10-952-00-100000
64	3.2	0.9	1.0	6	134-10-964-00-020000	134-10-964-00-010000	134-10-964-00-050000	134-10-964-00-000000	134-10-964-00-100000
<b>XX=Plating Code See to Right</b> SPECIFY PLATING CODE XX =					10				
					Pin Plating	10 μ" Au			

# DUAL-IN-LINE HEADERS

## SERIES 142 • INTERCONNECT • OPEN FRAME



- Series 142 DIL Headers have double-ended .018" diameter pluggable solder tails
- Used to interconnect PC Boards with spacings of .210", .335", .585" or .835". Series 142 uses MM #4259-1, -2, -3 or -4 pins. See page 212 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

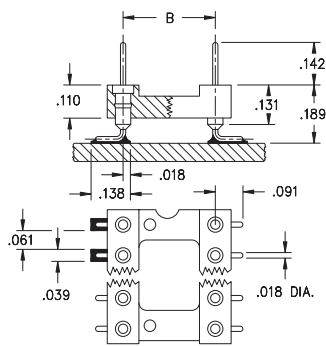


Total number of pins				Quantity per tube	ORDERING INFORMATION			
	A	B	C		L = .210	L = .335	L = .585	L = .835
6	0.3	0.3	0.4	67	142-XX-306-00-591000	142-XX-306-00-592000	142-XX-306-00-593000	142-XX-306-00-594000
8	0.4	0.3	0.4	50	142-XX-308-00-591000	142-XX-308-00-592000	142-XX-308-00-593000	142-XX-308-00-594000
14	0.7	0.3	0.4	29	142-XX-314-00-591000	142-XX-314-00-592000	142-XX-314-00-593000	142-XX-314-00-594000
16	0.8	0.3	0.4	25	142-XX-316-00-591000	142-XX-316-00-592000	142-XX-316-00-593000	142-XX-316-00-594000
18	0.9	0.3	0.4	22	142-XX-318-00-591000	142-XX-318-00-592000	142-XX-318-00-593000	142-XX-318-00-594000
20	1.0	0.3	0.4	40	142-XX-320-00-591000	142-XX-320-00-592000	142-XX-320-00-593000	142-XX-320-00-594000
24	1.2	0.3	0.4	17	142-XX-324-00-591000	142-XX-324-00-592000	142-XX-324-00-593000	142-XX-324-00-594000
22	1.1	0.4	0.5	14	142-XX-422-00-591000	142-XX-422-00-592000	142-XX-422-00-593000	142-XX-422-00-594000
24	1.2	0.6	0.7	16	142-XX-624-00-591000	142-XX-624-00-592000	142-XX-624-00-593000	142-XX-624-00-594000
28	1.4	0.6	0.7	14	142-XX-628-00-591000	142-XX-628-00-592000	142-XX-628-00-593000	142-XX-628-00-594000
32	1.6	0.6	0.7	12	142-XX-632-00-591000	142-XX-632-00-592000	142-XX-632-00-593000	142-XX-632-00-594000
40	2.0	0.6	0.7	10	142-XX-640-00-591000	142-XX-640-00-592000	142-XX-640-00-593000	142-XX-640-00-594000
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">                     XX=Plating Code See to Right                 </div>					SPECIFY PLATING CODE XX =			
					Pin Plating	10	90	40
					10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	



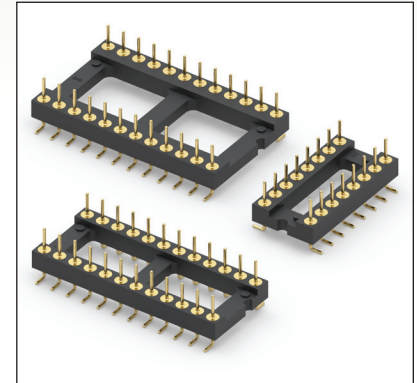
# DUAL-IN-LINE HEADERS

## SERIES 150 • SURFACE MOUNT, GULL WING • OPEN FRAME



See page 130 for Insulator Details

- Surface mount Gull Wing DIP headers for adapters and board stacking on .100" lead spacing
- Gull wing terminals provide maximum strength and permit easy visual inspection of solder joints
- Series 150 uses MM #3404 pins. See page 212 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

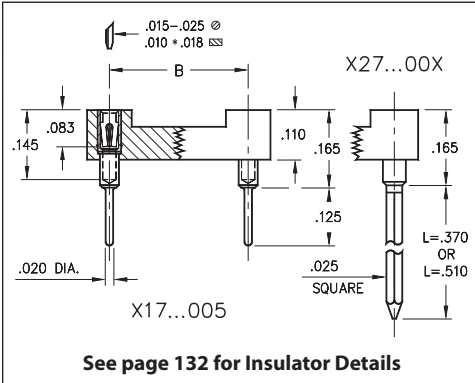


Total number of pins				Quantity per tube	ORDERING INFORMATION					
	A	B	C							
10	0.5	0.2	0.3	40	150-10-210-00-106000					
4	0.2	0.3	0.4	102	150-10-304-00-106000					
6	0.3	0.3	0.4	67	150-10-306-00-106000					
8	0.4	0.3	0.4	50	150-10-308-00-106000					
10	0.5	0.3	0.4	40	150-10-310-00-106000					
14	0.7	0.3	0.4	29	150-10-314-00-106000					
16	0.8	0.3	0.4	25	150-10-316-00-106000					
18	0.9	0.3	0.4	22	150-10-318-00-106000					
20	1.0	0.3	0.4	20	150-10-320-00-106000					
22	1.1	0.3	0.4	18	150-10-322-00-106000					
24	1.2	0.3	0.4	16	150-10-324-00-106000					
28	1.4	0.3	0.4	14	150-10-328-00-106000					
20	1.0	0.4	0.5	20	150-10-420-00-106000					
22	1.1	0.4	0.5	18	150-10-422-00-106000					
24	1.2	0.4	0.5	16	150-10-424-00-106000					
28	1.4	0.4	0.5	14	150-10-428-00-106000					
32	1.6	0.4	0.5	12	150-10-432-00-106000					
24	1.2	0.6	0.7	16	150-10-624-00-106000					
28	1.4	0.6	0.7	14	150-10-628-00-106000					
32	1.6	0.6	0.7	12	150-10-632-00-106000					
36	1.8	0.6	0.7	11	150-10-636-00-106000					
40	2.0	0.6	0.7	10	150-10-640-00-106000					
42	2.1	0.6	0.7	9	150-10-642-00-106000					
48	2.4	0.6	0.7	8	150-10-648-00-106000					
50	2.5	0.6	0.7	8	150-10-650-00-106000					
52	2.6	0.6	0.7	7	150-10-652-00-106000					
50	2.5	0.9	1.0	8	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;">                     XX=Plating Code See Below                 </div>	150-10-950-00-106000				
52	2.6	0.9	1.0	7		150-10-952-00-106000				
64	3.2	0.9	1.0	6		150-10-964-00-106000				
See page 264 for coplanarity information					SPECIFY PLATING CODE XX =		10	◆		
					Pin Plating		10 μ" Au			

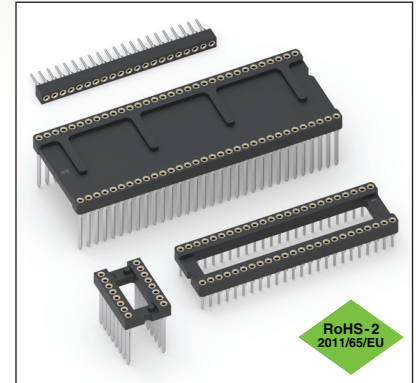


# DUAL-IN-LINE SOCKETS

**SERIES 117, 127, 217, 227, 317, 327 • SHRINK DIP, SOLDER TAIL & WRAPOST**



- High density DIP sockets and strips for devices featuring .070" lead spacing
- Solder tails use MM #1802 receptacles, See page 169 for details. Wraposts use MM #1702-2 or 1703-3 receptacles, See page 198 for details
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details

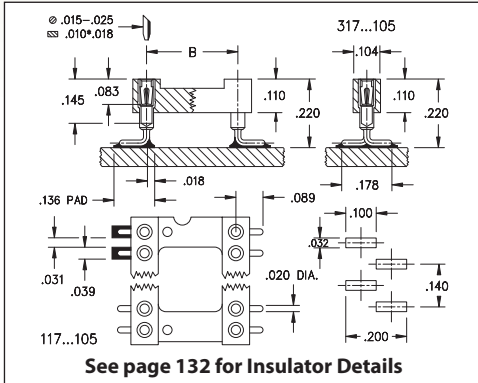


Total number of pins	Pin Spacing			Quantity per tube	ORDERING INFORMATION						
	A	B	C		Solder Tail	L = .370 (2 Level Wrapost)	L = .510 (3 Level Wrapost)				
					<b>OPEN FRAME DIP SOCKET</b>						
16	0.572	0.3	0.39	35	117-XX-316-41-005000	127-XX-316-41-002000	127-XX-316-41-003000				
28	0.992	0.4	0.49	20	117-XX-428-41-005000	127-XX-428-41-002000	127-XX-428-41-003000				
30	1.062	0.4	0.49	18	117-XX-430-41-005000	127-XX-430-41-002000	127-XX-430-41-003000				
48	1.692	0.4	0.49	12	117-XX-448-41-005000	127-XX-448-41-002000	127-XX-448-41-003000				
20	0.712	0.6	0.69	28	117-XX-620-41-005000	127-XX-620-41-002000	127-XX-620-41-003000				
28	0.992	0.6	0.69	20	117-XX-628-41-005000	127-XX-628-41-002000	127-XX-628-41-003000				
40	1.412	0.6	0.69	14	117-XX-640-41-005000	127-XX-640-41-002000	127-XX-640-41-003000				
42	1.482	0.6	0.69	13	117-XX-642-41-005000	127-XX-642-41-002000	127-XX-642-41-003000				
48	1.692	0.6	0.69	11	117-XX-648-41-005000	127-XX-648-41-002000	127-XX-648-41-003000				
52	1.832	0.6	0.69	11	117-XX-652-41-005000	127-XX-652-41-002000	127-XX-652-41-003000				
56	1.972	0.6	0.69	10	117-XX-656-41-005000	127-XX-656-41-002000	127-XX-656-41-003000				
64	2.252	0.6	0.69	8	117-XX-664-41-005000	127-XX-664-41-002000	127-XX-664-41-003000				
68	2.392	0.6	0.69	8	117-XX-668-41-005000	127-XX-668-41-002000	127-XX-668-41-003000				
64	2.252	0.75	0.84	8	117-XX-764-41-005000	127-XX-764-41-002000	127-XX-764-41-003000				
					<b>CLOSED FRAME DIP SOCKET</b>						
64	2.252	0.75	0.84	8	217-XX-764-41-005000	227-XX-764-41-002000	227-XX-764-41-003000				
					<b>SINGLE ROW STRIP SOCKET</b>						
					If desired, we will supply any length up to 21 pins.						
21	1.482	---	.104	-	317-XX-121-41-005000	327-XX-121-41-002000	327-XX-121-41-003000				
<div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> <b>XX=Plating Code See to Right</b> </div>					<b>SPECIFY PLATING CODE XX=</b>		91	93	41	43	47
					Sleeve (Pin)		200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn	200 μ" Sn
					Contact (Clip)		10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au	Au Flash

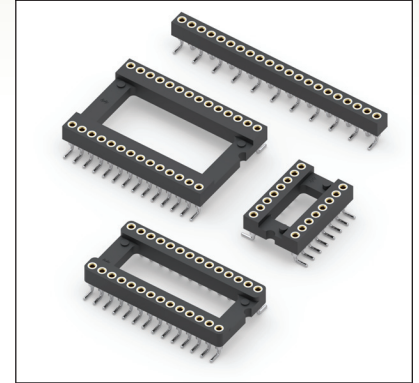


# DUAL-IN-LINE SOCKETS

## SERIES 117, 317 • GULL WING SHRINK DIP SOCKETS & STRIPS, SMT SOLDER TAIL



- Surface mount Gull Wing DIP & strip sockets for devices featuring .070" lead spacing
- Gull wing terminals provide maximum strength and permit easy visual inspection of solder joints
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Series 117 and 317 use MM #1802 pins. See page 169 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



Total number of pins	Pin Spacing Dimensions			Quantity per tube	ORDERING INFORMATION					
	A	B	C							
16	0.572	0.3	0.39	35	117-XX-316-41-105000					
28	0.992	0.4	0.49	20	117-XX-428-41-105000					
30	1.062	0.4	0.49	18	117-XX-430-41-105000					
48	1.692	0.4	0.49	12	117-XX-448-41-105000					
20	0.712	0.6	0.69	28	117-XX-620-41-105000					
28	0.992	0.6	0.69	20	117-XX-628-41-105000					
40	1.412	0.6	0.69	14	117-XX-640-41-105000					
42	1.482	0.6	0.69	13	117-XX-642-41-105000					
48	1.692	0.6	0.69	12	117-XX-648-41-105000					
52	1.832	0.6	0.69	11	117-XX-652-41-105000					
56	1.972	0.6	0.69	10	117-XX-656-41-105000					
64	2.252	0.6	0.69	9	117-XX-664-41-105000					
68	2.392	0.6	0.69	8	117-XX-668-41-105000					
64	2.252	0.75	0.84	8	117-XX-764-41-105000					
					<b>SINGLE ROW STRIP SOCKET</b> If desired, we will supply any length up to 21 pins.					
21	1.482	---	.104	-	317-XX-121-41-105000					
See page 264 for coplanarity information					<b>SPECIFY PLATING CODE XX=</b>					
					Sleeve (Pin)		91	41	43	
					Contact (Clip)		200 μ" Sn/Pb	10 μ" Au	200 μ" Sn	30 μ" Au

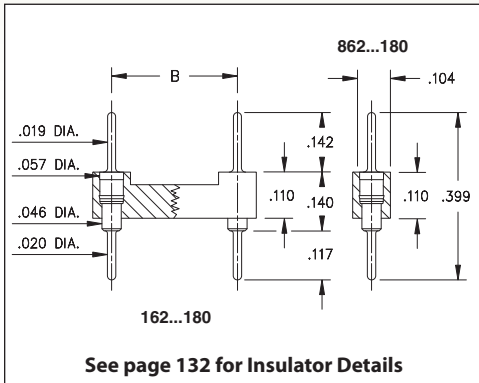
XX=Plating Code  
See Below

RoHS-2  
2011/65/EU

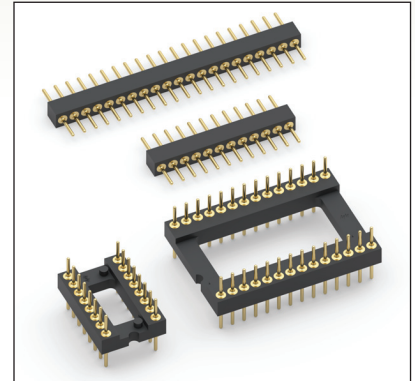


# DUAL-IN-LINE HEADERS

## SERIES 162, 862 • SHRINK DIP HEADER AND STRIPS, SOLDER TAIL



- High density DIP headers & strips for adapters and board stacking applications with .070" lead spacing
- Series 162 DIP headers and Series 862 strip headers use MM #6218 pins. See page 208 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



Total number of pins				Quantity per tube	<h3>ORDERING INFORMATION</h3>				
	A	B	C						
16	0.572	0.3	0.39	35	162-XX-316-00-180000				
28	0.992	0.4	0.49	20	162-XX-428-00-180000				
30	1.062	0.4	0.49	18	162-XX-430-00-180000				
48	1.692	0.4	0.49	12	162-XX-448-00-180000				
20	0.712	0.6	0.69	28	162-XX-620-00-180000				
28	0.992	0.6	0.69	20	162-XX-628-00-180000				
40	1.412	0.6	0.69	14	162-XX-640-00-180000				
42	1.482	0.6	0.69	13	162-XX-642-00-180000				
48	1.692	0.6	0.69	12	162-XX-648-00-180000				
52	1.832	0.6	0.69	11	162-XX-652-00-180000				
56	1.972	0.6	0.69	10	162-XX-656-00-180000				
64	2.252	0.6	0.69	9	162-XX-664-00-180000				
68	2.392	0.6	0.69	8	162-XX-668-00-180000				
64	2.252	0.75	0.84	8	162-XX-764-00-180000				
					<b>SINGLE ROW STRIP HEADER</b> If desired, we will supply any length up to 21 pins.				
21	1.482	---	.104	---	862-XX-021-00-180000				
<b>SPECIFY PLATING CODE XX =</b>					10	90	40		
Pin Plating					10 μ" Au	200 μ" Sn/Pb	200 μ" Sn		

XX=Plating Code  
See Below

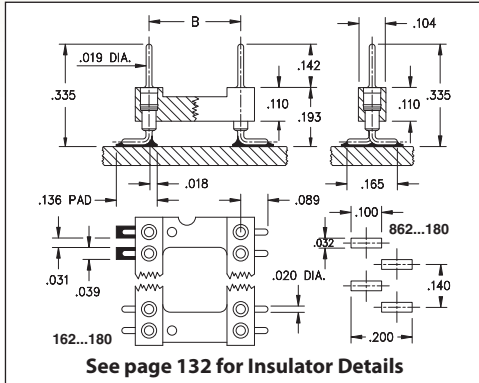
RoHS-2  
2011/65/EU



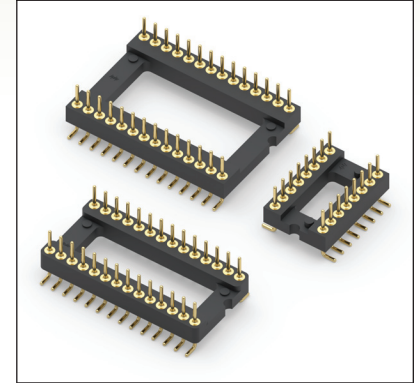


# DUAL-IN-LINE HEADERS

## SERIES 162, 862 • GULL WING SHRINK DIP HEADERS & STRIPS, SMT SOLDER TAIL



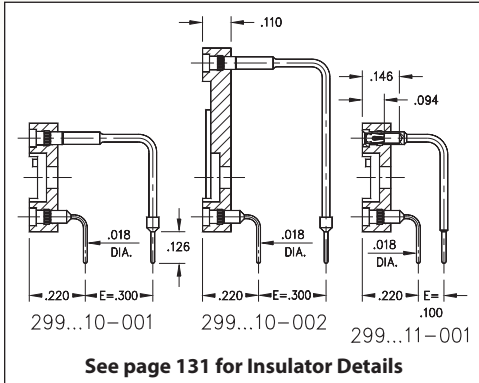
- Surface mount Gull Wing DIP headers & strips for adapters and board stacking applications with .070" lead spacing
- Gull wing terminals provide maximum strength and permit easy visual inspection of solder joints
- Series 162 and Series 862 use MM #6218 pins. See page 208 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



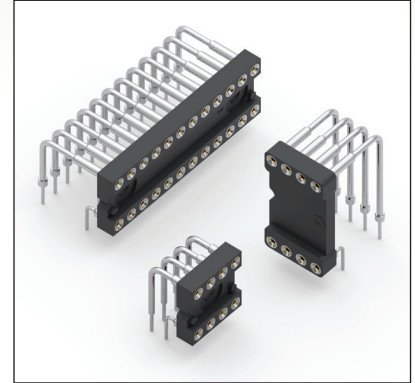
Total number of pins				Quantity per tube	<h3>ORDERING INFORMATION</h3>					
	A	B	C							
16	0.572	0.3	0.39	35	162-10-316-30-180000					
28	0.992	0.4	0.49	20	162-10-428-30-180000					
30	1.062	0.4	0.49	18	162-10-430-30-180000					
48	1.692	0.4	0.49	12	162-10-448-30-180000					
20	0.712	0.6	0.69	28	162-10-620-30-180000					
28	0.992	0.6	0.69	20	162-10-628-30-180000					
40	1.412	0.6	0.69	14	162-10-640-30-180000					
42	1.482	0.6	0.69	13	162-10-642-30-180000					
48	1.692	0.6	0.69	12	162-10-648-30-180000					
52	1.832	0.6	0.69	11	162-10-652-30-180000					
56	1.972	0.6	0.69	10	162-10-656-30-180000					
64	2.252	0.6	0.69	9	162-10-664-30-180000					
68	2.392	0.6	0.69	8	162-10-668-30-180000					
64	2.252	0.75	0.84	8	162-10-764-30-180000					
<b>XX=Plating Code See Below</b>										
					<b>SINGLE ROW STRIP SOCKET</b> If desired, we will supply any length up to 21 pins.					
21	1.482	---	.104	---	862-10-021-30-180000					
See page 264 for coplanarity information					<b>SPECIFY PLATING CODE XX =</b>		10	◆		
					Pin Plating		10 μ" Au			

# DUAL-IN-LINE SOCKETS

## SERIES 299 • RIGHT ANGLE MOUNT • CLOSED FRAME



- Ideal for mounting components, such as LED displays, where the face must be parallel to the PCB surface
- Sockets have solder tail termination and are available with either .300" (standard) or .100" row spacing
- Series 299 uses MM #1103/0903, #1103/1610 or #1103/0904 pins. See pages 166 & 167 for details
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



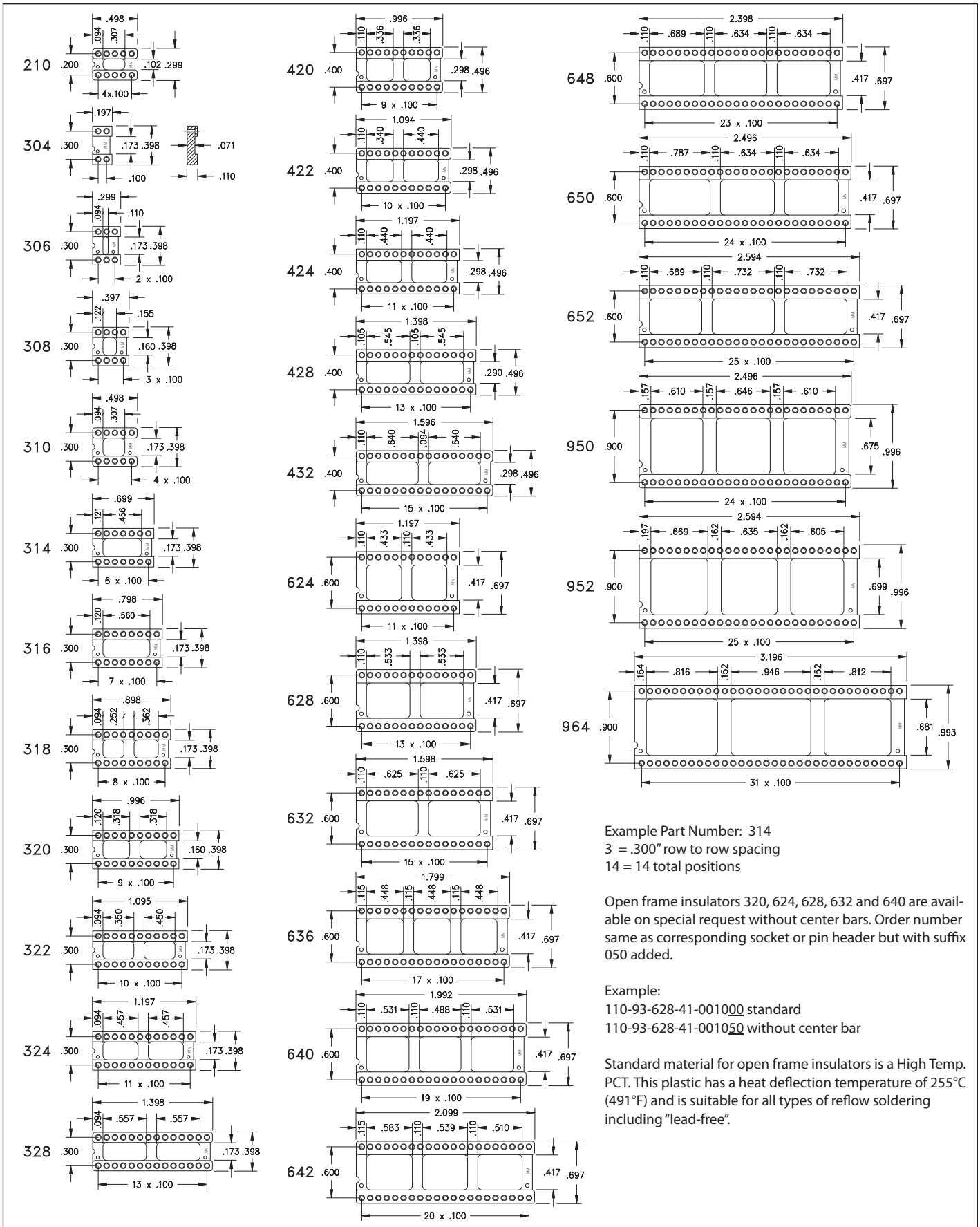
Total number of pins				Quantity per tube	ORDERING INFORMATION	
	A	B	C		E = .100	E = .300
6	0.3	0.3	0.4		299-XX-306-11-001000	* 299-XX-306-10-001000
8	0.4	0.3	0.4		299-XX-308-11-001000	* 299-XX-308-10-001000
10	0.5	0.3	0.4		299-XX-310-11-001000	* 299-XX-310-10-001000
12	0.6	0.3	0.4	33	299-XX-312-11-001000	* 299-XX-312-10-001000
14	0.7	0.3	0.4	29	299-XX-314-11-001000	* 299-XX-314-10-001000
16	0.8	0.3	0.4	25	299-XX-316-11-001000	* 299-XX-316-10-001000
18	0.9	0.3	0.4	22	299-XX-318-11-001000	* 299-XX-318-10-001000
20	1.0	0.3	0.4	20	299-XX-320-11-001000	* 299-XX-320-10-001000
24	1.2	0.3	0.4	16	299-XX-324-11-001000	* 299-XX-324-10-001000
8	0.4	0.6	0.7	50		299-XX-608-10-002000
10	0.5	0.6	0.7	40		299-XX-610-10-002000
12	0.6	0.6	0.7	34		299-XX-612-10-002000
14	0.7	0.6	0.7	28		299-XX-614-10-002000
16	0.8	0.6	0.7	25		299-XX-616-10-002000
18	0.9	0.6	0.7	22		299-XX-618-10-002000
20	1.0	0.6	0.7	20		299-XX-620-10-002000
22	1.1	0.6	0.7	18		299-XX-622-10-002000
24	1.2	0.6	0.7	16		299-XX-624-10-002000
26	1.3	0.6	0.7	15		299-XX-626-10-002000
28	1.4	0.6	0.7	14		299-XX-628-10-002000
30	1.5	0.6	0.7	13		299-XX-630-10-002000
32	1.6	0.6	0.7	12		299-XX-632-10-002000
36	1.8	0.6	0.7	11		299-XX-636-10-002000
40	2.0	0.6	0.7	10		299-XX-640-10-002000
SPECIFY PLATING CODE XX =					93	43
Sleeve (Pin)					200 μ" Sn/Pb	200 μ" Sn
Contact (Clip)					30 μ" Au	30 μ" Au



XX=Plating Code  
See Below

\* Not available in tubes

# DUAL-IN-LINE INSULATORS STANDARD OPEN FRAME



Example Part Number: 314  
 3 = .300" row to row spacing  
 14 = 14 total positions

Open frame insulators 320, 624, 628, 632 and 640 are available on special request without center bars. Order number same as corresponding socket or pin header but with suffix 050 added.

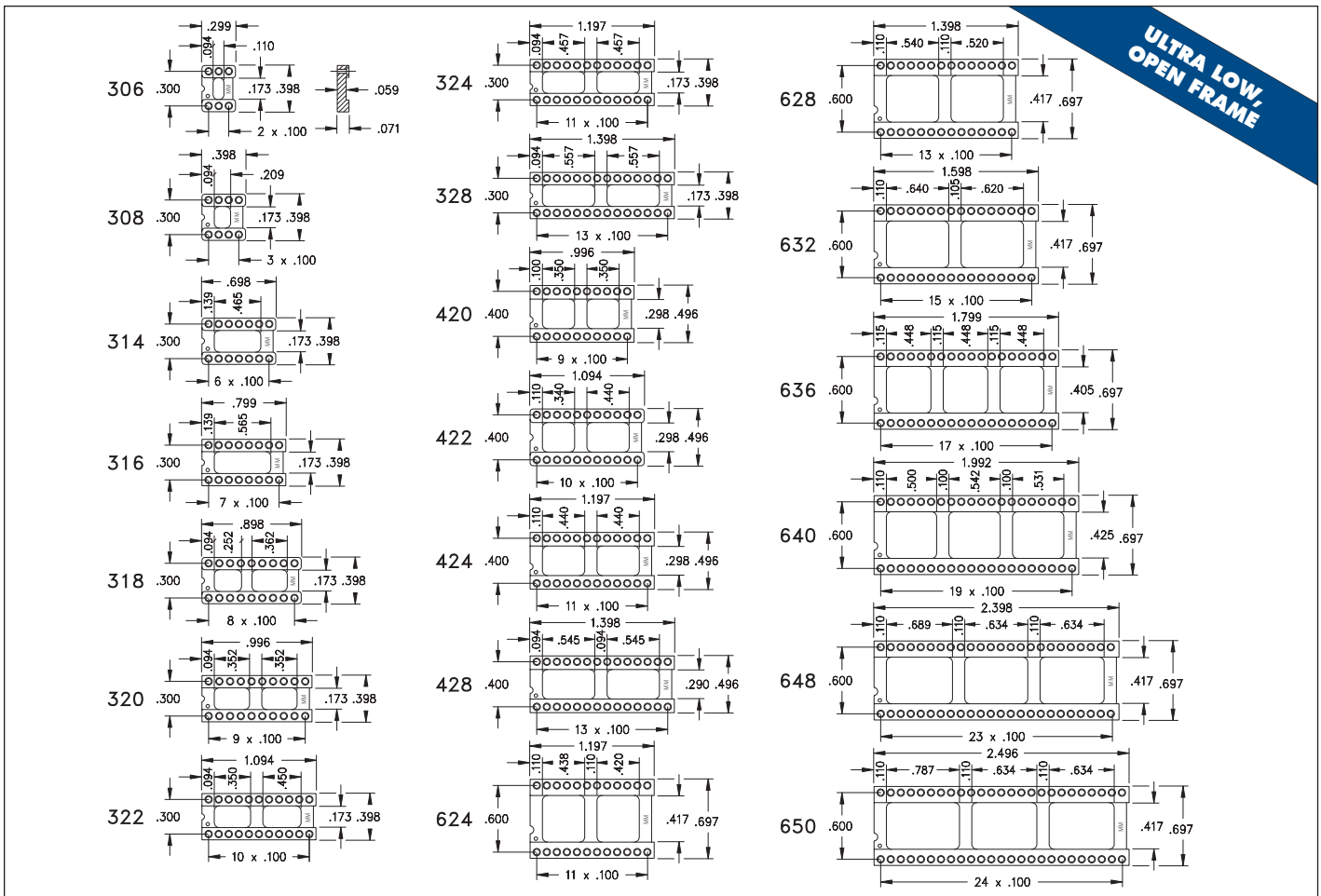
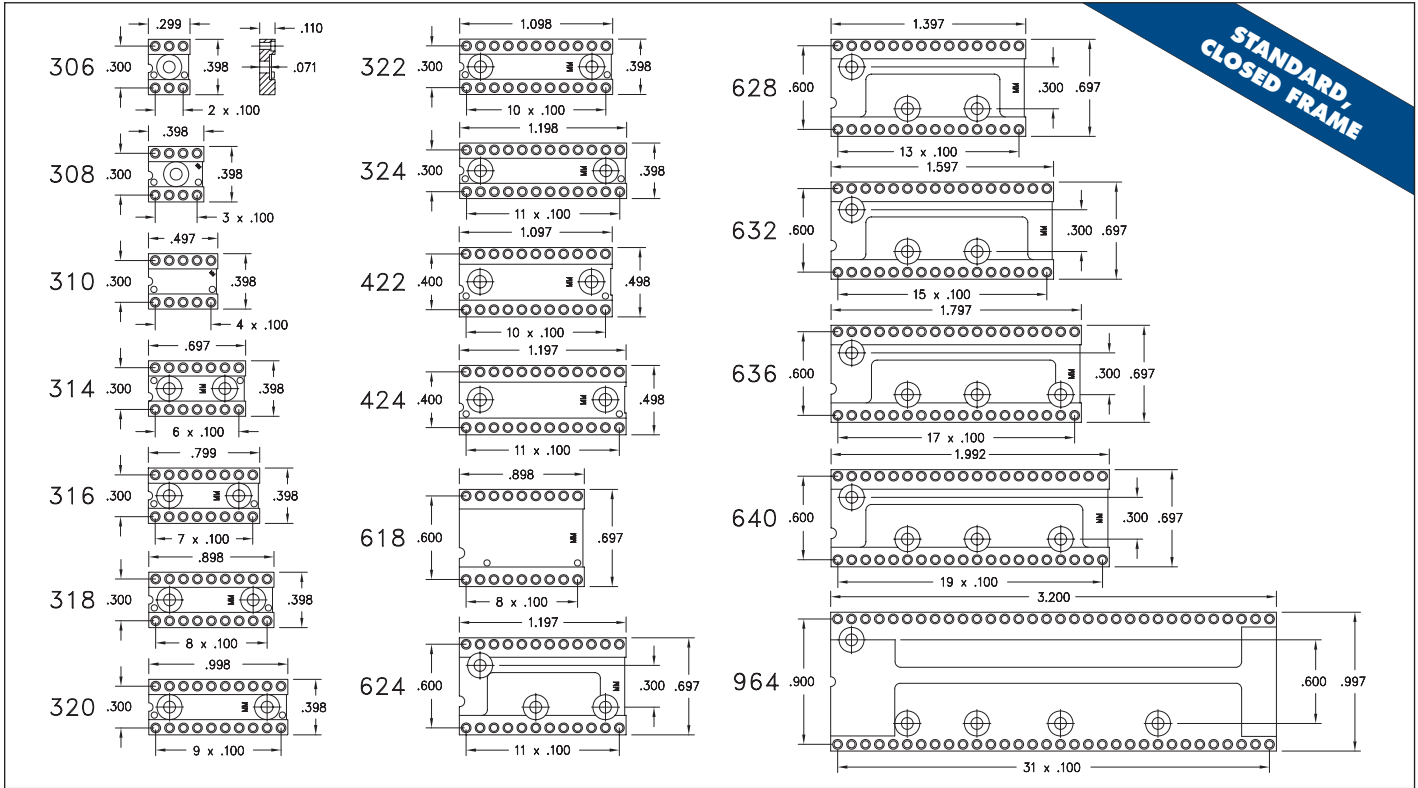
Example:  
 110-93-628-41-001000 standard  
 110-93-628-41-001050 without center bar

Standard material for open frame insulators is a High Temp. PCT. This plastic has a heat deflection temperature of 255°C (491°F) and is suitable for all types of reflow soldering including "lead-free".



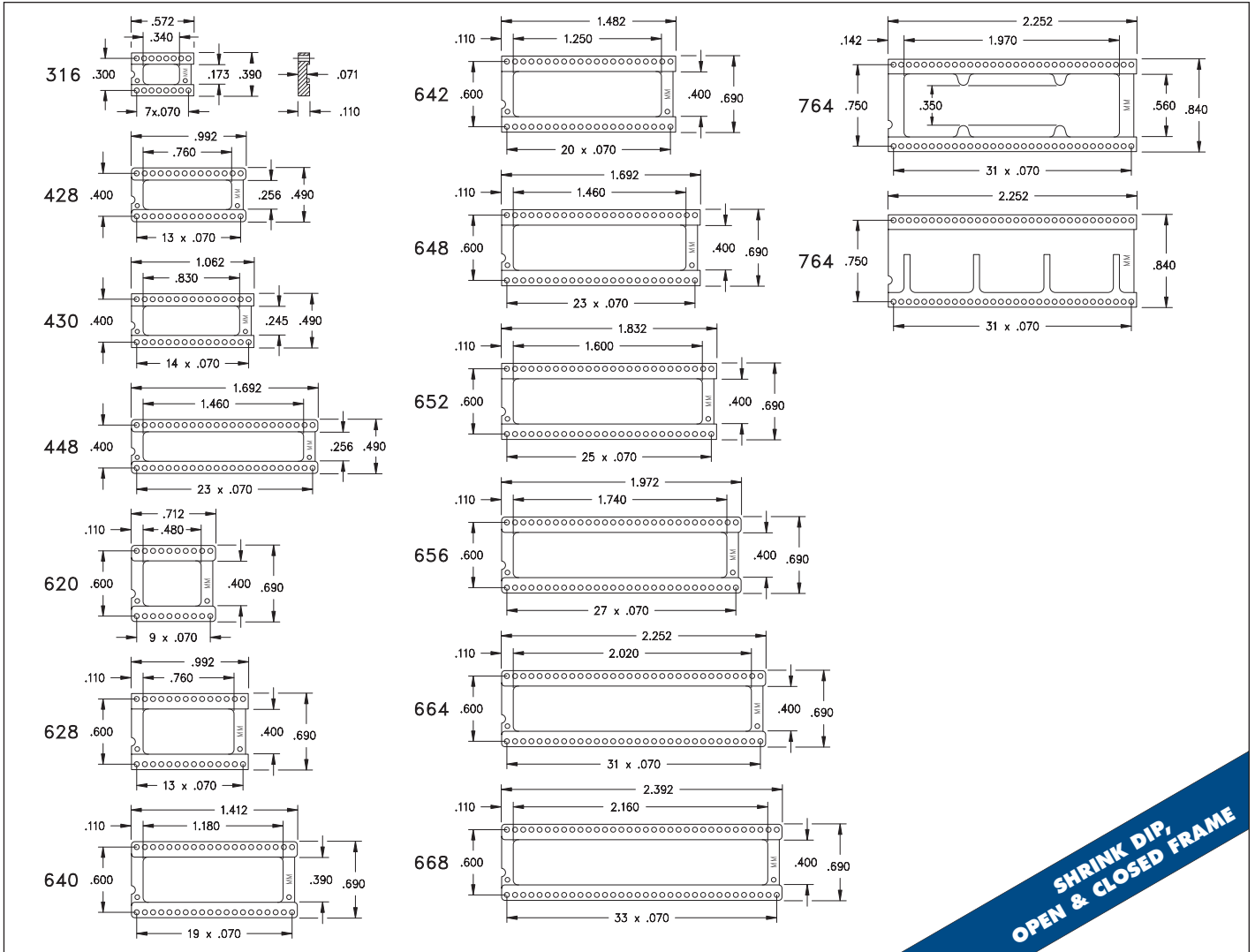
# DUAL-IN-LINE INSULATORS

## STANDARD, CLOSED FRAME • ULTRA LOW PROFILE, OPEN FRAME

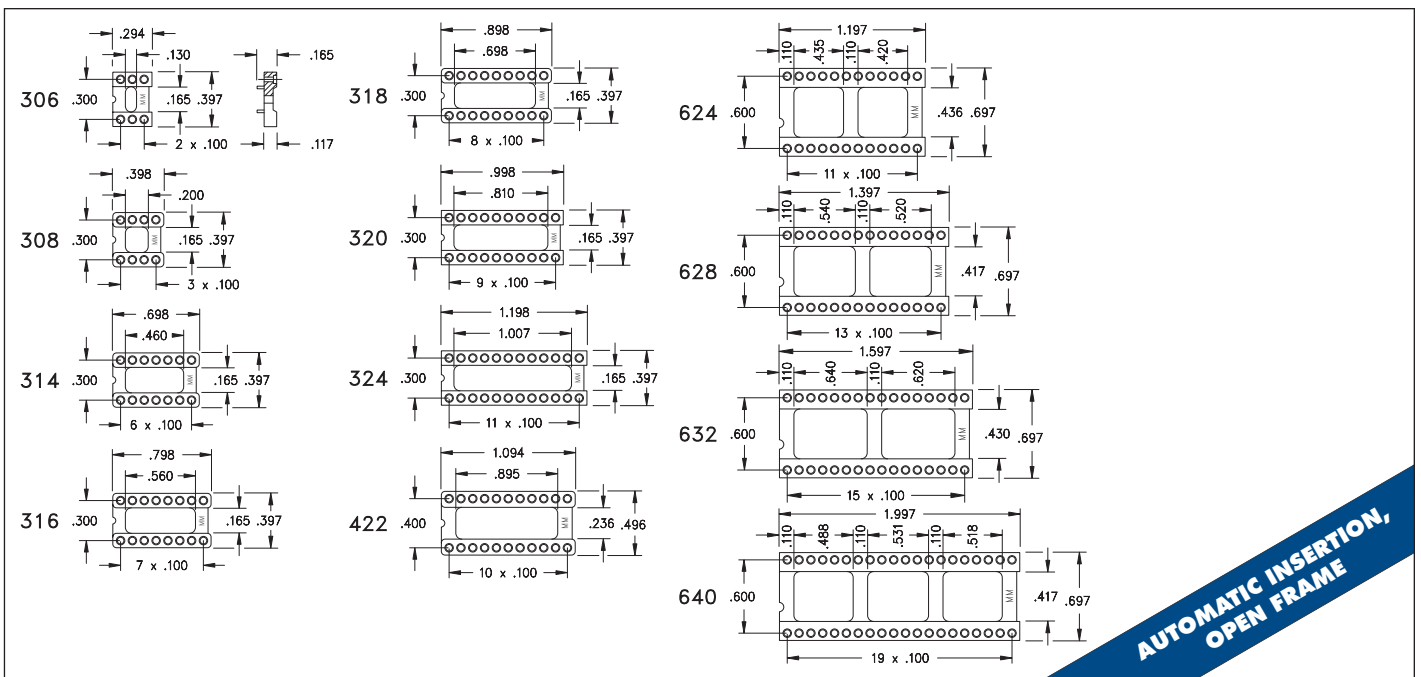


# DUAL-IN-LINE INSULATORS

## SHRINK DIP, OPEN & CLOSED FRAME • AUTOMATIC INSERTION, OPEN FRAME



**SHRINK DIP,  
OPEN & CLOSED FRAME**

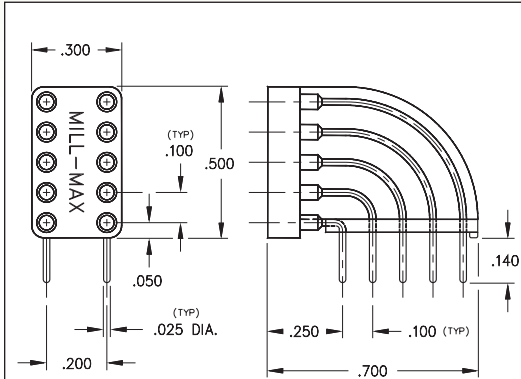


**AUTOMATIC INSERTION,  
OPEN FRAME**

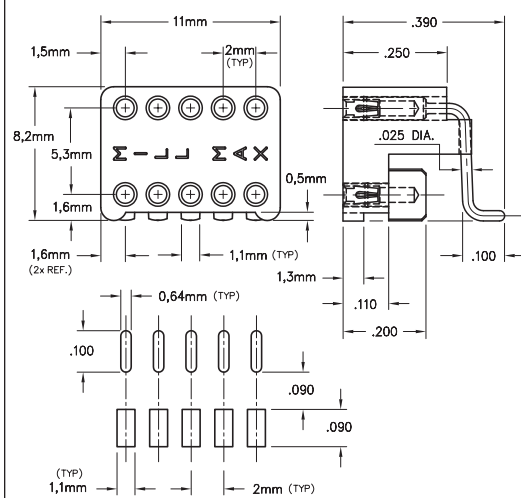


# DUAL-IN-LINE SOCKETS

## SERIES 296, 299, 594 • DISPLAY SOCKETS

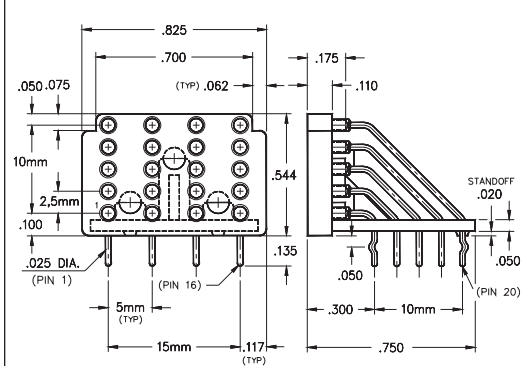


**FIG. 1**



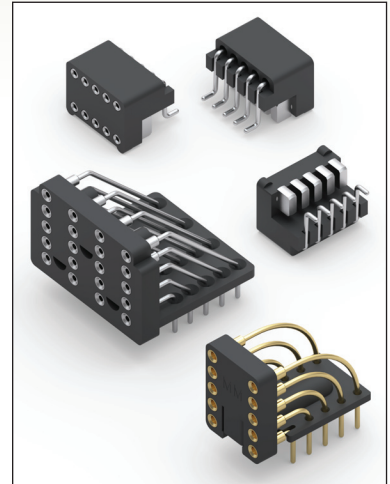
**FOOTPRINT**

**FIG. 2**





**FIG. 3**

- Series 296, 299 and 594 display sockets are used to mount dot matrix and 7-segment LED displays at the edge of and perpendicular to a printed circuit board. This positions the display directly behind the translucent front panel of the equipment
- Series 299 & 594 are through-hole mount and can be wave or intrusive reflow soldered
- Series 296 is surface mount and can be supplied on carrier tape for automated "pick 'n place" assembly
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- See also page 129 for Right Angle DIP Sockets
- Insulators are high temp. Nylon 46, suitable for all soldering processes including "lead-free"
- For Electrical, Mechanical and Environmental Data, see page 264 for details



## ORDERING INFORMATION

<b>FIG. 1</b>	<b>Series 299...001</b>	<b>10 Pin Vertical Display Socket</b>	
	Discrete Sockets		
	299-99-210-12-001800	Plating Code	
<b>FIG. 2</b>	<b>Series 296...691</b>	<b>10 Pin Horizontal Display Socket</b>	
	Discrete Sockets		
	296-XX-010-30-691800	Plating Code	
<b>FIG. 3</b>	<b>Series 296...692</b>	<b>10 Pin Horizontal Display Socket</b>	
	Supplied on 24mm wide carrier tape per EIA-481: 450 per 13" reel		
	296-XX-010-30-692800	Plating Code	
<b>FIG. 3</b>	<b>Series 594...007</b>	<b>20 Pin Vertical Display Socket</b>	
	Discrete Sockets		
	594-XX-020-01-007032	Plating Code	
	<b>RoHS-2 2011/65/EU</b>	<b>XX=Plating Code See Below</b>	
	<b>SPECIFY PLATING CODE XX=</b>		
	Sleeve (Pin) 	99	44
	Contact (Clip) 	200 μ"Sn/Pb	200 μ"Sn
		200 μ"Sn/Pb	200 μ"Sn



# DUAL-IN-LINE SOCKETS

## SERIES 110, 410 • RELAY AND ZIG-ZAG SOCKETS

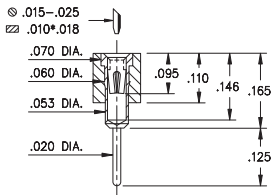


Fig. 1

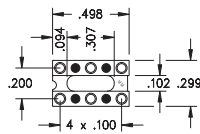


Fig. 2

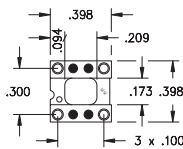


Fig. 3

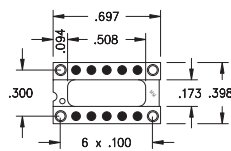
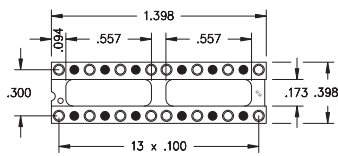
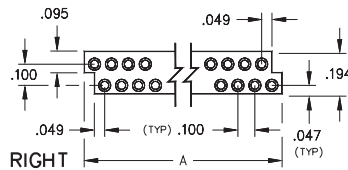
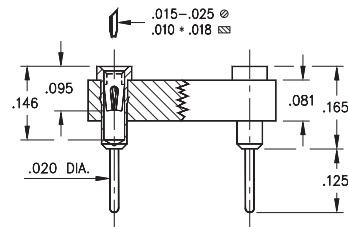
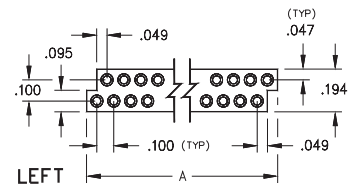


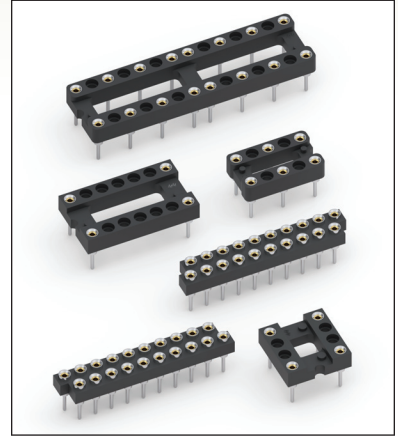
Fig. 4



○ = Loaded Position ● = Empty Position



- Relay sockets accept devices with I/O pins on .100" grid
- Additional Relay DIP socket patterns are available on Page 135
- Zig-Zag strip sockets are suitable for IC's and memory chips with staggered double row patterns
- Series 110 and 410 use MM #1001 receptacles. See page 165 for details
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



## ORDERING INFORMATION

### Selectively Loaded Sockets For Dual-In-Line Relays

	Number of Pins	Ordering Information
<b>FIG. 1</b>	6	110-XX-210-10-001000
<b>FIG. 2</b>	4	110-XX-308-10-001000
<b>FIG. 3</b>	4	110-XX-314-10-001000
<b>FIG. 4</b>	16	110-XX-328-10-001000

### Staggered (Zig-Zag) Strip Sockets

Dim 'A'	Number of Pins	Insulator Body	Ordering Information
0.747	14	Left, Stackable	410-XX-214-10-001000
0.747	14	Right, Stackable	410-XX-214-10-002000
0.847	16	Left, Stackable	410-XX-216-10-001000
0.847	16	Right, Stackable	410-XX-216-10-002000
1.047	20	Left, Stackable	410-XX-220-10-001000
1.047	20	Right, Stackable	410-XX-220-10-002000
1.247	24	Left, Stackable	410-XX-224-10-001000
1.247	24	Right, Stackable	410-XX-224-10-002000
1.447	28	Left, Stackable	410-XX-228-10-001000
1.447	28	Right, Stackable	410-XX-228-10-002000

XX=Plating Code See Below

RoHS-2 2011/65/EU

SPECIFY PLATING CODE XX=	13	93	43
Sleeve (Pin)	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn
Contact (Clip)	30 μ" Au	30 μ" Au	30 μ" Au



# DUAL-IN-LINE SOCKETS

## SERIES 110 • SELECTIVELY LOADED RELAY DIP SOCKET, SOLDER TAIL

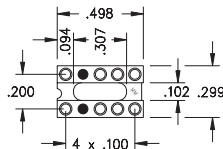
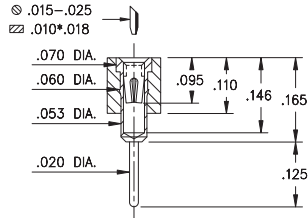


Fig. 1

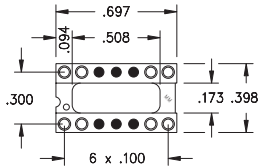


Fig. 2

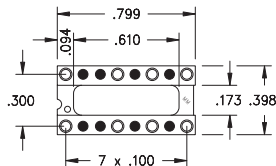


Fig. 3

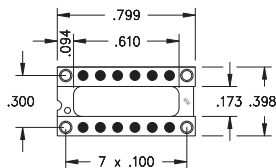


Fig. 4

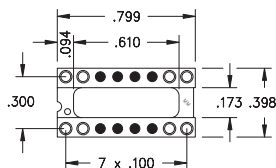


Fig. 5

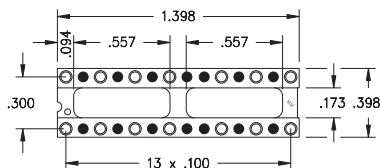
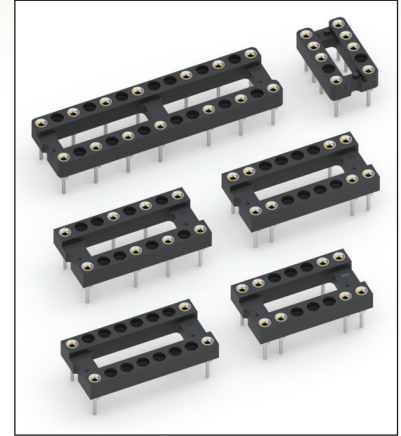


Fig. 6

○ = Loaded Position ● = Empty Position

- Relay sockets accept devices with I/O pins on .100" grid
- Additional Relay DIP socket patterns are available on Page 134
- Series 110 use MM #1001 receptacles. See page 165 for details
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details





## ORDERING INFORMATION

<b>FIG. 1</b>	<b>Series 110...002</b>	<b>8 Position Relay Socket</b>
	110-XX-210-10-002000	
<b>FIG. 2</b>	<b>Series 110...002</b>	<b>8 Position Relay Socket</b>
	110-XX-314-10-002000	
<b>FIG. 3</b>	<b>Series 110...003</b>	<b>8 Position Relay Socket</b>
	110-XX-316-10-003000	
<b>FIG. 4</b>	<b>Series 110...004</b>	<b>4 Position Relay Socket</b>
	110-XX-316-10-004000	
<b>FIG. 5</b>	<b>Series 110...005</b>	<b>8 Position Relay Socket</b>
	110-XX-316-10-005000	
<b>FIG. 6</b>	<b>Series 110...002</b>	<b>14 Position Relay Socket</b>
	110-XX-328-10-002000	

XX=Plating Code  
See Below

RoHS-2  
2011/65/EU

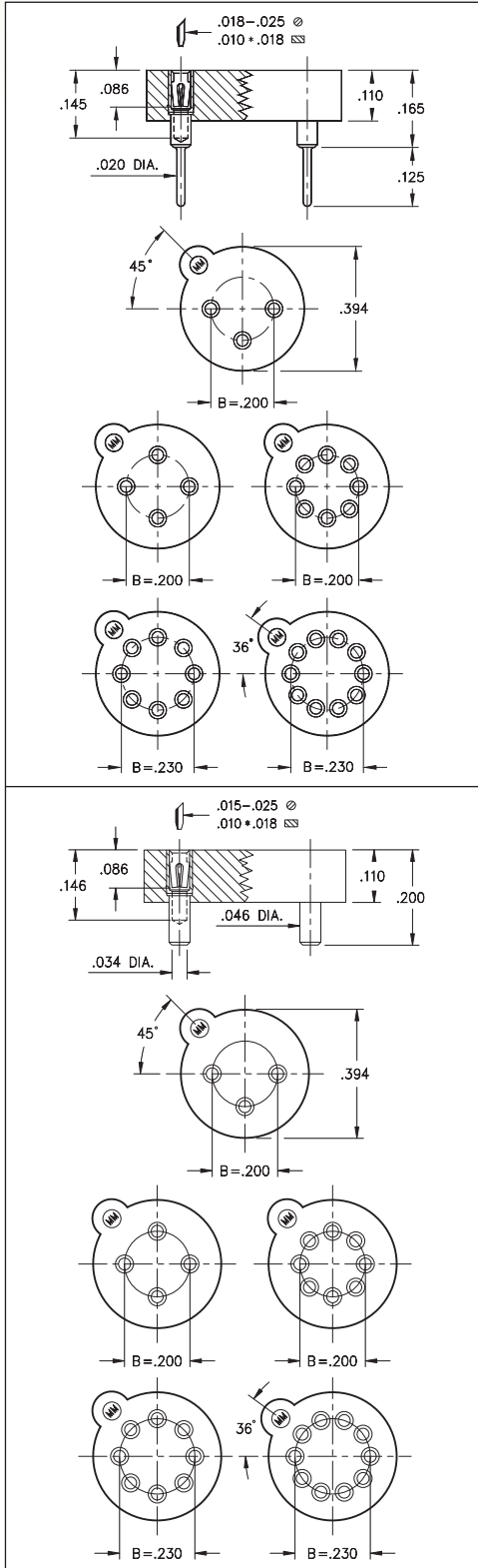
SPECIFY PLATING CODE XX=	13	93	43
Sleeve (Pin) 	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn
Contact (Clip) 	30 μ" Au	30 μ" Au	30 μ" Au





# TRANSISTOR SOCKETS

## SERIES 917 • SURFACE AND THROUGH-HOLE MOUNT



- Series 917 TO package sockets are available in 3, 4, 8 and 10 positions
- Two 8 pin versions feature pin centers on .200" or .230" circle
- Series 917...005 use MM #1705 and MM #1802 pins, see pages 168 and 169 for details. Receptacles use Hi-Rel, 4 finger #30 contact rated at 3 amps. See page 253 for details
- Series 917...001 uses MM #1701 pins. See page 171 for details. Receptacles use Hi-Rel, 4 finger #30 contact rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- For Electrical, Mechanical and Environmental Data, see page 264 for details



### ORDERING INFORMATION

Transistor Sockets (Through-Hole Mount)			
Type	Circle Dia.	Number of Pins	Ordering Information
TO-5	0.200	3	917-XX-103-41-005000
TO-5	0.200	4	917-XX-104-41-005000
TO-5	0.200	8	917-XX-108-41-005000
TO-100	0.230	8	917-XX-208-41-005000
TO-100	0.230	10	917-XX-210-41-005000

Transistor Sockets (Surface Mount)			
Type	Circle Dia.	Number of Pins	Ordering Information
TO-5	0.200	3	917-XX-103-41-001000
TO-5	0.200	4	917-XX-104-41-001000
TO-5	0.200	8	917-XX-108-41-001000
TO-100	0.230	8	917-XX-208-41-001000
TO-100	0.230	10	917-XX-210-41-001000



### Tape and Reel Packaging: (Surface Mount ONLY)

**Ordering Information:** 917-XX-XXX-41-001799

Available on 24mm wide tape, 730 parts per 13" reel

XX=Plating Code  
See Below

RoHS-2  
2011/65/EU

SPECIFY PLATING CODE XX=	91	93	41	43	47
Sleeve (Pin) 	200 μ"Sn/Pb	200 μ"Sn/Pb	200 μ"Sn	200 μ"Sn	200 μ"Sn
Contact (Clip) 	10 μ"Au	30 μ"Au	10 μ"Au	30 μ"Au	Au Flash

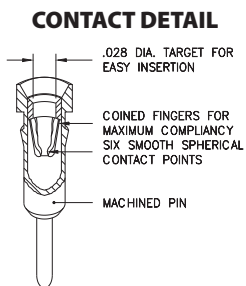


# PIN GRID ARRAY SOCKETS

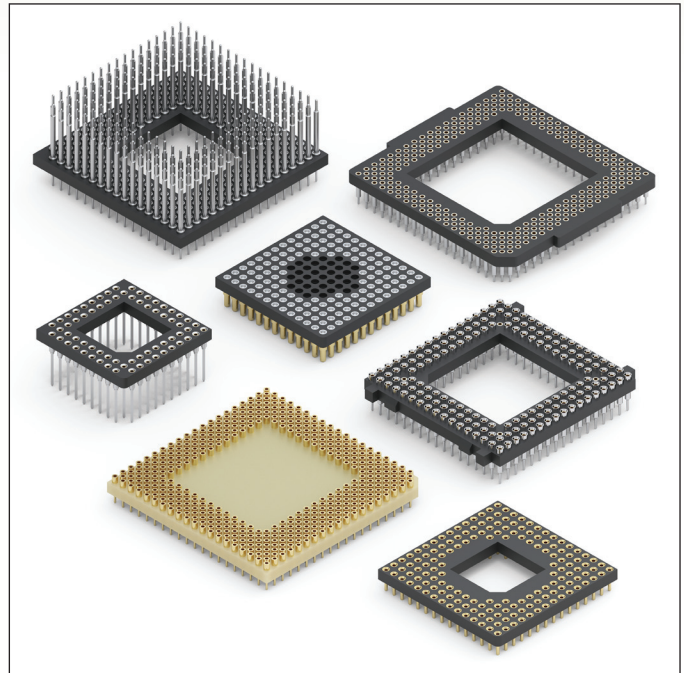
## TECHNICAL SPECIFICATIONS

Pin grid array sockets are designed to accept high pin count IC's. They use low force 6-finger contacts to ease insertion / extraction of the device. Standard low force (MM #32) contact is used for pin counts up to 150, ultra-low force (MM #35) contact is recommended for 150 pins or more but less than 250 pins. The "ultra lite" (MM #43) is recommended for 250 pins or more.

PGA sockets all have precision-machined pins. This offers the lowest possible profile. The closed bottom design also eliminates flux and solder contamination, and the pins are in-line with contact entry.



Insulator bodies are molded from high temperature PCT polyester suitable for all forms of soldering including wave, infra-red reflow and vapor phase.



### TECHNICAL SPECIFICATIONS

#### Materials

##### Insulator body:

- High temperature glass-filled thermoplastic polyester (PCT)
- Heat deflection temperature (HDT @ 264 PSI) = 255°C (490°F)
- Self-extinguishing, rated UL94V-0

##### Receptacle (Sleeve):

- Screw machined brass (ASTM-B16-00), plated 10 μ" gold, 200 μ" tin or 200 μ" tin-lead (SnPb 90/10) over 100 μ" nickel.

##### Pin:

- Screw machined brass (ASTM-B16-00), plated 10 μ" gold, 200 μ" tin or 200 μ" tin-lead (SnPb 90/10) over 100 μ" nickel.

##### Contact (clip):

- Stamped beryllium-copper (ASTM-B194-01), plated 10 μ" or 30 μ" gold over 50 μ" nickel.

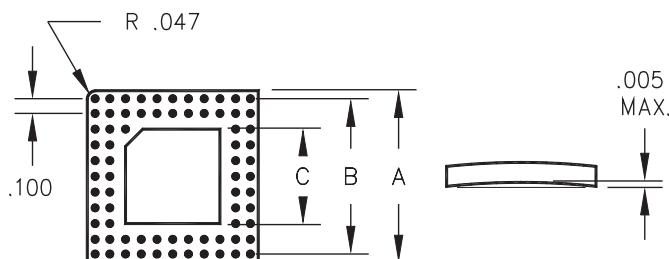
### Mechanical Data

- Insertion characteristics:
  - Measured with a polished steel gauge .018" diameter
  - Low force MM#32 (01 suffix) typical insertion force 50 grams  
typical extraction force 30 grams
  - Ultra-low force MM#35 (02 suffix) typical insertion force 25 grams  
typical extraction force 15 grams
  - "Ultra lite" MM#43 (03 suffix) typical insertion force 12.5 grams  
typical extraction force 7.5 grams
- Mechanical life: 100 cycles min.

### Electrical & Environmental Data

- See general specifications on page 264.

### DIMENSIONS OF PGA SOCKET INSULATORS



DIMENSIONS A, B, and C can be calculated as follows:

**N1** = GRID SIZE (# of pins per side, outer most row only for interstitial patterns)

**N2** = WINDOW SIZE

$$A = N1 \times .100"$$

$$B = (N1-1) \times .100"$$

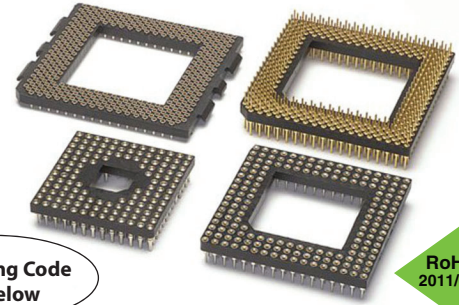
$$C = (N2 \times .100") - .016"$$



# PIN GRID ARRAY SOCKETS

**SERIES 510,511,513,514,515,518,522,523 • .100" AND INTERSTITIAL GRID • SURFACE MOUNT, THROUGH-HOLE AND WIREWRAP**

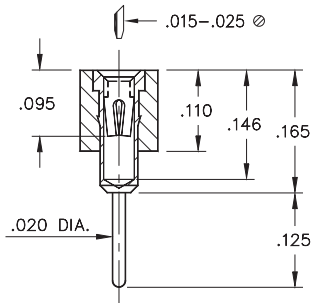
- Series 510, 511, 514, 515, 522 and 523 PGA sockets are available on .100" centers
- Series 513 and 518 PGA sockets are available for Interstitial patterns
- Choice of three low force clips to cover all applications
- High temperature PCT polyester insulator material suitable for all forms of soldering including lead-free
- For Electrical, Mechanical and Environmental Data, see page 137 for details



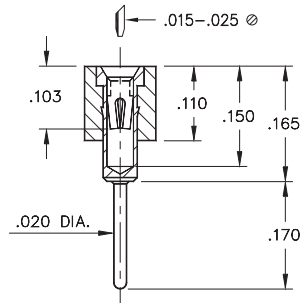
**XX=Plating Code  
See Below**

**RoHS-2  
2011/65/EU**

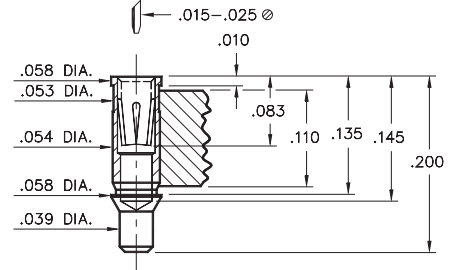
**SERIES 510** (Standard Solder Tail)



**SERIES 511** (Long Solder Tail)

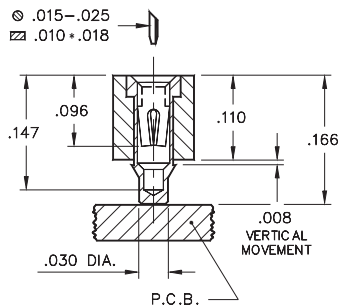


**SERIES 513** (SMT Receptacle)

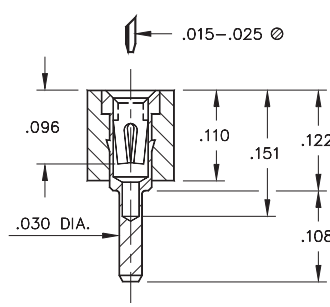


Interstitial Patterns Only

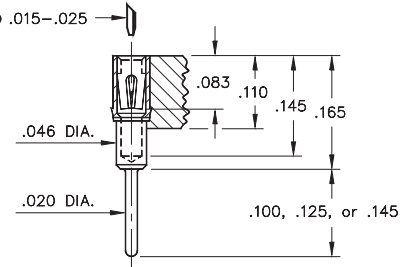
**SERIES 514** (SMT Receptacle)



**SERIES 515** (Low Profile Solder Tail)

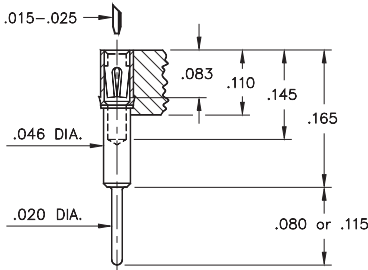


**SERIES 518** (Solder Tail No, Heatsink Tabs)



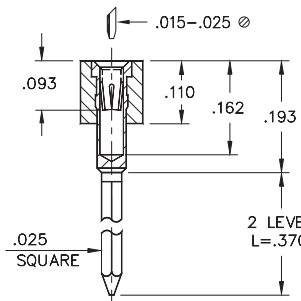
Interstitial Patterns Only

**SERIES 518** (Solder Tail w/ Heatsink Tabs)

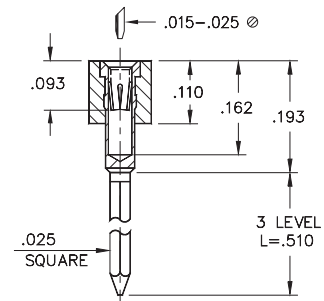


Interstitial Patterns Only



**SERIES 522** (2 Level Wrapost)



**SERIES 523** (3 Level Wrapost)



Visit [www.mill-max.com/pgs](http://www.mill-max.com/pgs) to configure a formal part number

SPECIFY PLATING CODE XX=	13	91	93	99	43
Sleeve (Pin) 	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn
Contact (Clip) 	30 μ" Au	10 μ" Au	30 μ" Au	100 μ" Sn/Pb	30 μ" Au

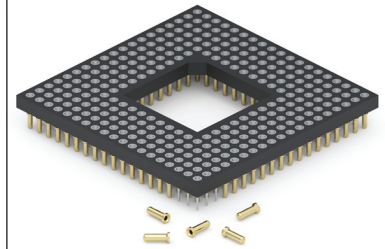
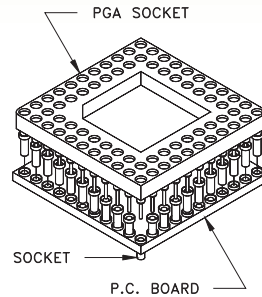


# PIN GRID ARRAY SOCKETS

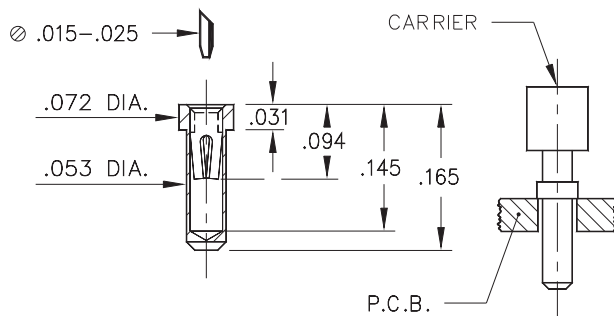
## SERIES 605, 614 • .100" AND INTERSTITIAL GRID • CARRIER TYPE

- Series 614 & 605 PGA carrier sockets offer 4 receptacle styles
- Many combinations of receptacles and clips to cover all applications
- Carrier sockets provide a convenient way of loading groups of receptacles onto a PC board
- Removeable insulator makes carriers ideal for low profile applications
- High temperature PCT polyester insulator material suitable for all forms of soldering including lead-free
- For Electrical, Mechanical and Environmental Data, see page 137 for details

### APPLICATION OF PGA SOCKET CARRIERS

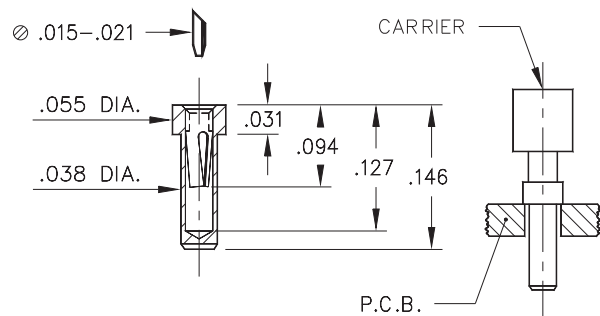


### SERIES 614...001, 002, 003 LOW PROFILE SOCKET

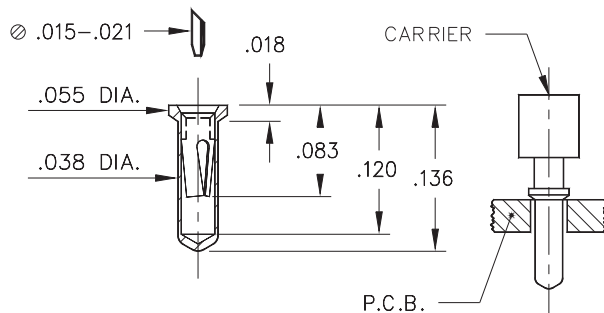


For .100" Grid Only

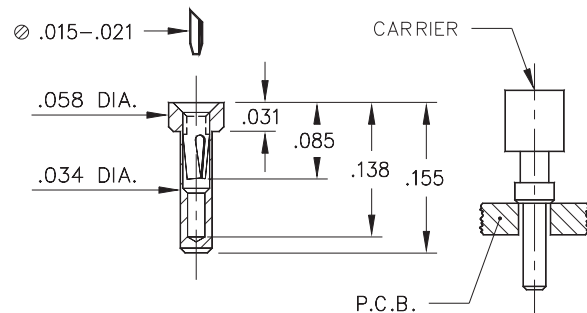
### SERIES 614...007 MINIATURE SOCKET



### SERIES 614...012 LOWEST PROFILE SOCKET



### SERIES 605...048 REDUCED BARREL SOCKET



XX=Plating Code  
See Below

RoHS-2  
2011/65/EU

Visit [www.mill-max.com/pga](http://www.mill-max.com/pga)  
to configure a formal part number

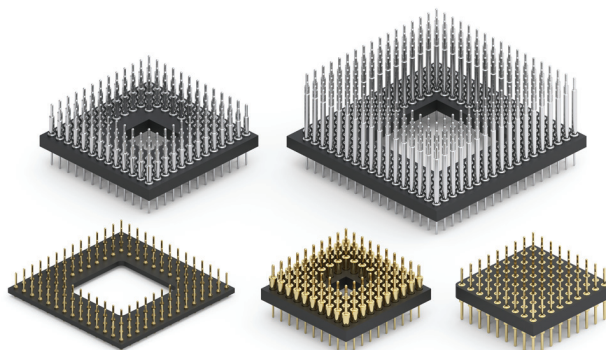
SPECIFY PLATING CODE XX=	13	93	43
Sleeve (Pin)	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn
Contact (Clip)	30 μ" Au	30 μ" Au	30 μ" Au



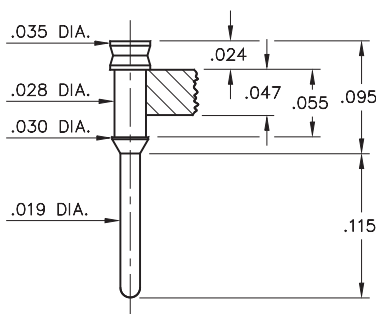
# PIN GRID ARRAY HEADERS

**SERIES 507, 550, 551, 599 • .100" AND INTERSTITIAL GRID • SURFACE MOUNT AND THROUGH-HOLE**

- Series 551 and 599 headers are available on .100" centers
- Series 507 and 550 PGA headers are available for interstitial patterns and designed for SMT adapter applications
- Series 550 and 551 are through-hole mount for adapter & board stacking applications
- Series 550 and 551 use High temperature PCT polyester insulator material suitable for all forms of soldering
- Series 507 and 599 use FR-4 epoxy insulator material
- For Electrical, Mechanical and Environmental Data, see page 137 for details

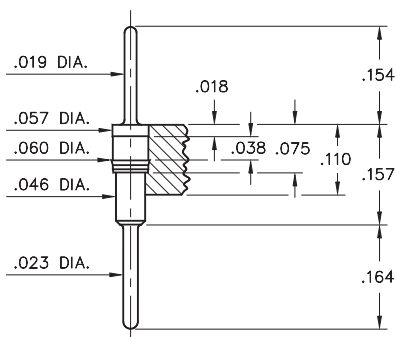


**SERIES 507**  
SMT HEADER PIN TYPE #0737



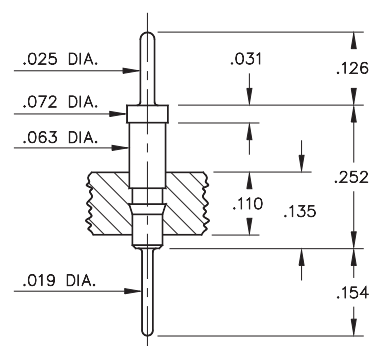
Interstitial Patterns Only

**SERIES 550**  
HEADER PIN TYPE #5012

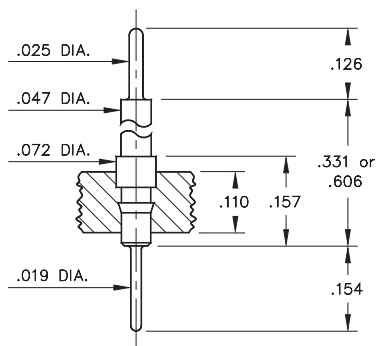


Interstitial Patterns Only

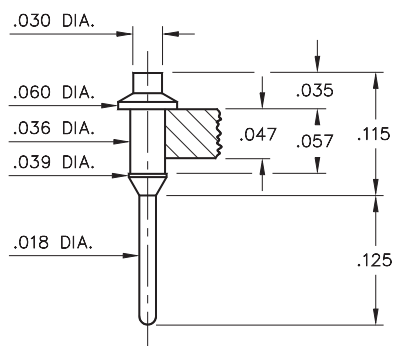
**SERIES 551**  
HEADER PIN TYPE #5503



**SERIES 551**  
HEADER PIN TYPE #5504 & #5505



**SERIES 599**  
SMT HEADER PIN TYPE #9976



XX=Plating Code  
See Below

RoHS-2  
2011/65/EU

Visit [www.mill-max.com/pga](http://www.mill-max.com/pga) to configure a formal part number

**SPECIFY PLATING CODE XX =**

10

90

40

Pin Plating



10 μ" Au

200 μ" Sn/Pb

200 μ" Sn



# SERIES 540, 579, 582, 587, 599, 940 BGA AND PLCC SPECIFICATIONS

## TECHNICAL SPECIFICATIONS FOR BGA ADAPTER SYSTEM

### Materials:

- Socket contact: Three finger, stamped beryllium copper alloy 172, HT (Mill-Max type #04 or #05); plated 10  $\mu$ " gold over 50  $\mu$ " nickel.
- Socket shell and adapter pins: Precision machined brass alloy; plated 10  $\mu$ " gold over 100  $\mu$ " nickel.
- Insulator material: .047" or .062" thick glass-epoxy type FR-4, rated UL94V-0. TCE = 10-13ppm/ $^{\circ}$ C,  $\epsilon_r$  = 5.0

### Mechanical:

- Insertion and withdrawal forces (using .010" dia. polished steel gage pin): Insertion: .36N typ. per pin  
Withdrawal: .20N typ. per pin
- Insertion force of an actual 225 pin device: 90N
- Durability: 100 cycles
- Coplanarity: less than or equal to .005"

### Electrical:

- Current rating (per pin): 1A
- Working voltage: 100 VRMS/150 VDC max.
- Low level contact resistance: 10 m $\Omega$  max.
- Insulation resistance @ 500 VRMS: Initial value: 1,000,000 M $\Omega$  min.  
After climatic tests: 10,000 M $\Omega$  min.

- Dielectric withstanding voltage: 500 VRMS
- Capacitance between adjacent contacts: 1 pF max.
- Self inductance per pin: 2 nH max.
- Electrical length: 31 pS

### Environmental:

- Operating temperature range: -55  $^{\circ}$ C to +125  $^{\circ}$ C  
BGA adapter/socket systems have withstood the following environmental tests without mechanical or electrical failure:
- Damp heat, steady state: 40  $^{\circ}$ C, 93% rH, 21 days
- Damp heat, cyclic: 25/55  $^{\circ}$ C, 6 days
- Dry heat: 100 $^{\circ}$ C, 1,000 hours
- Thermal shock: -55 to +125  $^{\circ}$ C, 5 cycles
- Random vibration: 50 to 500 Hz, 8g, 20 min. per axis
- Shock: 50 g per axis
- Solderability: 235  $^{\circ}$ C, 2 seconds
- Resistance to soldering heat: 270  $^{\circ}$ C, 10 seconds
- Resistance to corrosion:
- Salt spray: 48 hours
- Sulphur dioxide: 96 hours @ 25 ppm SO<sub>2</sub>, 25  $^{\circ}$ C, 75% rH
- Hydrogen sulphide: 96 hours @ 12 ppm H<sub>2</sub>S, 25 $^{\circ}$ C, 75% rH

## TECHNICAL SPECIFICATIONS FOR 540 SERIES PLCC SOCKETS

### Materials:

- Insulator: Glass filled thermoplastic, self-extinguishing rated, UL94V-0, color black.
- Contact: Plated copper alloy overall nickel underplating, tin finish.

### Mechanical Data:

- Contact pressure (per contact): 150 grams min.
- Mechanical data (cycles): 50 cycles min.

### Electrical Data:

- Rated current: SMD types: 1A  
Through-hole types: 2A
- Contact resistance: 20 m $\Omega$  max.
- Insulation resistance: 5,000 M $\Omega$  min.
- Dielectric strength: 600 VRMS
- Capacitance: 2pF max.

### Environmental Data:

- Operating temperature: -55/+125  $^{\circ}$ C
- Vibration (No electrical discontinuity greater than 1 $\mu$ s): 10-2000 HZ, 15 g
- Climactic category (EIA): 365-17A

## TECHNICAL SPECIFICATIONS FOR 940 SERIES PLCC SOCKETS

### Materials:

- Insulator: PPS Polyphenylene Sulfide, Rated UL94V-0.
- Contact: Phosphor Bronze with a tin finish and nickel underplate.

### Mechanical Data:

- Contact pressure (per contact): 150 grams min.
- Mechanical data (cycles): 25 cycles min.

### Electrical Data:

- Rated current: SMD types: 1A  
Through-hole types: 1A
- Contact resistance: 30 m $\Omega$  max.
- Insulation resistance: 10,000 M $\Omega$  min.
- Dielectric strength: 600 VAC
- Capacitance: 1pF max.

### Environmental Data:

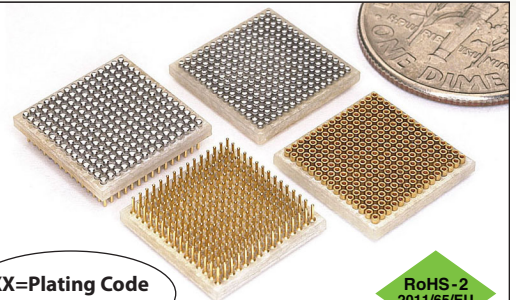
- Operating temperature: -55/+105  $^{\circ}$ C
- Vibration (No electrical discontinuity greater than 1 $\mu$ s): 10-2000 HZ, 15 g
- Climactic category (EIA): 365-17A



# BALL GRID ARRAYS

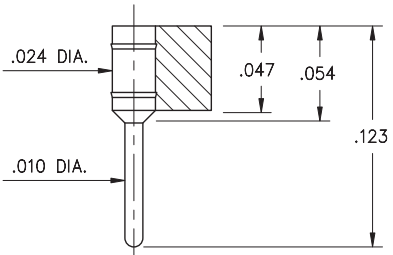
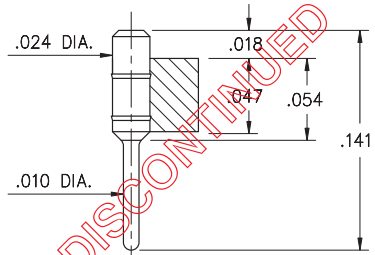
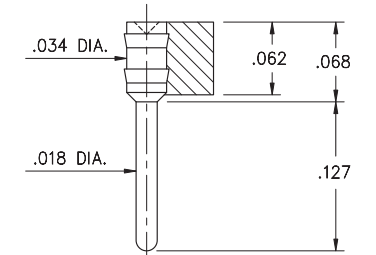
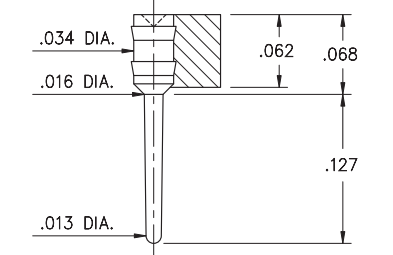
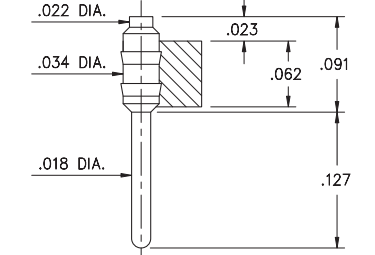
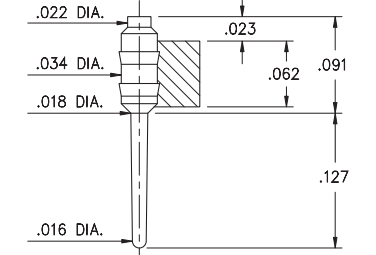
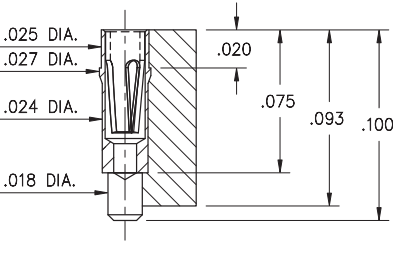
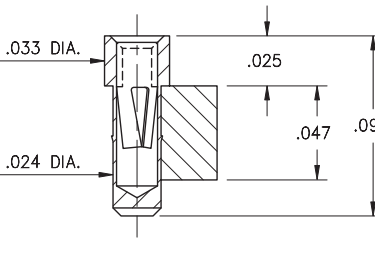
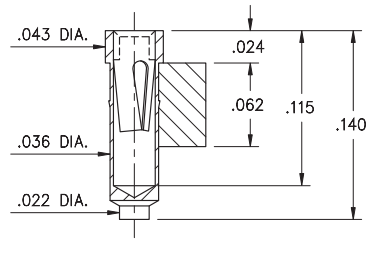





## SERIES 540,579,582,587,599 • FOR 0,8mm GRID, 1mm GRID & .050" GRID • MALE PIN ADAPTERS AND FEMALE SOCKETS

- BGA adapter/socket systems are a reliable way to make BGAs pluggable. They may also be used as a high density board-to-board interconnect
- The BGA device for a 0,8mm or 1mm grid is soldered to a 9929 adapter (or a 7929 adapter is soldered to a PCB), then either one can be plugged into a 9953 (0.8mm grid) or 9928 (1mm grid) surface mount socket
- The BGA device for a .050" grid is soldered to a 8737/4048 adapter (or a 4098/4054 adapter is soldered to a PCB), then either one can be plugged into a 8214 surface mount socket
- Both socket and adapter have the same footprint as the BGA device
- Insertion force is .4N per pin for standard pins 7929/9929, 8737/4098. Tapered EZ-IN pins 4048/4054 reduce insertion force to only .08N, and are recommended for pin counts greater than 500
- Insulator material is FR-4 epoxy having a TCE to match the BGA device and circuit board
- For Electrical, Mechanical and Environmental Data, see page 141 for details



XX=Plating Code  
See Below

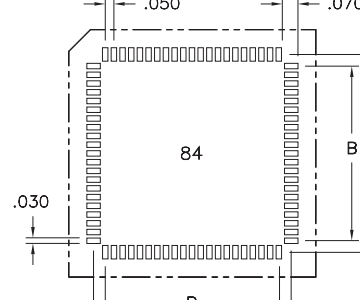
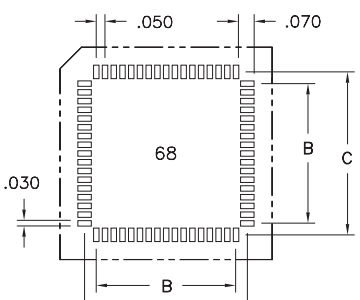
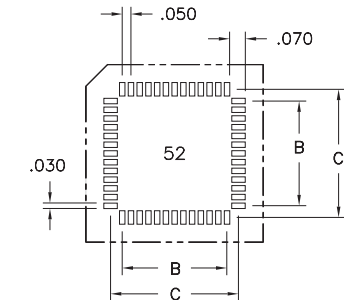
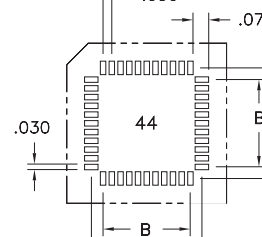
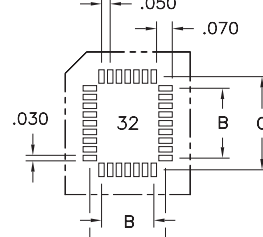
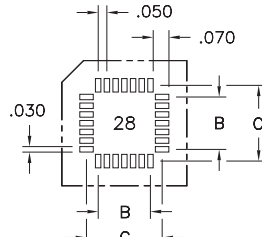
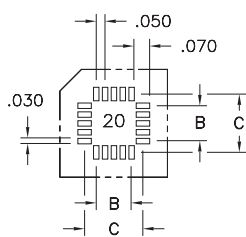
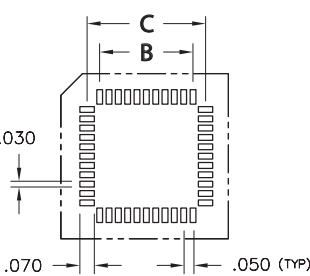
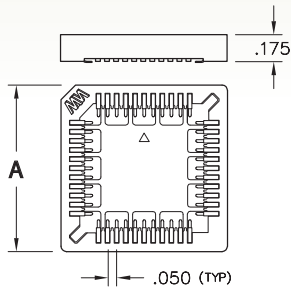


<p><b>SERIES 599...429</b> BGA MOUNT TYPE #9929</p>  <p>For 0,8mm &amp; 1mm Grid Only</p>	<p><b>SERIES 579...429</b> PCB MOUNT TYPE #7929</p>  <p>For 0,8mm &amp; 1mm Grid Only</p>	<p><b>SERIES 587...437</b> BGA MOUNT TYPE #8737</p>  <p>For .050" Grid Only</p>
<p><b>SERIES 540...448</b> EZ-IN BGA MOUNT TYPE #4048</p>  <p>For .050" Grid Only</p>	<p><b>SERIES 540...498</b> STANDARD PCB MOUNT TYPE #4098</p>  <p>For .050" Grid Only</p>	<p><b>SERIES 540...454</b> EZ-IN PCB MOUNT TYPE #4054</p>  <p>For .050" Grid Only</p>
<p><b>SERIES 599...453</b> SURFACE MOUNT TYPE #9953</p>  <p>For 0,8mm Grid Only</p>	<p><b>SERIES 599...428</b> SURFACE MOUNT TYPE #9928</p>  <p>For 1mm Grid Only</p>	<p><b>SERIES 582...414</b> SURFACE MOUNT TYPE #8214</p>  <p>For .050" Grid Only</p>
<p>Visit <a href="http://www.mill-max.com/bga">www.mill-max.com/bga</a> to configure a formal part number</p>	<p><b>SPECIFY PLATING CODE XX =</b></p> <p>Sleeve (Pin)  11  10 μ" Au</p> <p>Contact (Clip)  10 μ" Au</p>	<p><b>SPECIFY PLATING CODE XX =</b></p> <p>Pin Plating  10  10 μ" Au</p>



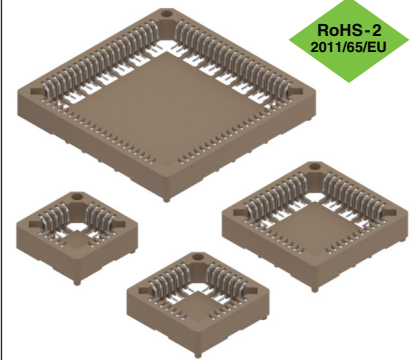
# STANDARD PLCC SOCKETS

## SERIES 940 • SURFACE MOUNT



RECTANGULAR \*

- Note: Not end stackable
- Accepts JEDEC PLCCs MO-047 and MO-052
- Low profile for high density PC board stacking
- Standoffs provide clearance for heat dissipation and cleaning
- Contacts are plated with 150 μ" tin
- Insulator material is glass reinforced PPS
- For Electrical, Mechanical and Environmental Data, see page 141 for details



### PCB LAYOUT FOR SURFACE MOUNT

Number of Contacts	Ordering Information	- A -	- B -	- C -	Qty. per Tube	Qty. per Reel
20	940-44-020-17-40000X	0.613	0.200	0.334	32	470
28	940-44-028-17-40000X	0.713	0.300	0.434	27	390
32 *	940-44-032-17-40000X *	0.813 / .713	0.400 / .300	0.534 / .434	24	390
44	940-44-044-17-40000X	0.900	0.500	0.634	21	250
52	940-44-052-17-40000 <sup>4</sup> (Only)	1.013	0.600	0.734	19	250
68	940-44-068-17-40000X	1.213	0.800	0.934	16	220
84	940-44-084-17-40000X	1.413	1.000	1.134	14	200

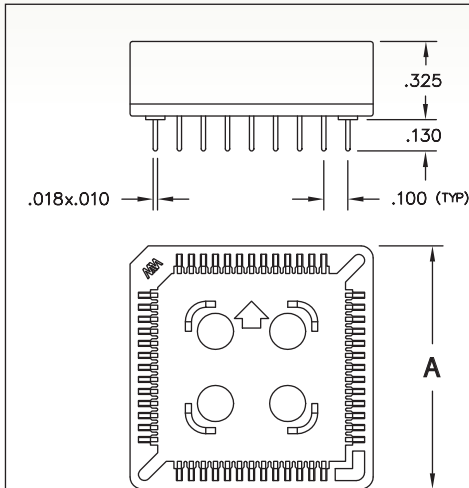
Packaging Codes: X = 0 (Tubes)  
X = 4 (Tape & Reel)



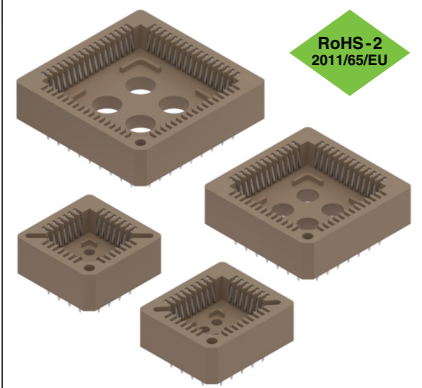


# STANDARD PLCC SOCKETS

## SERIES 940 • THROUGH-BOARD MOUNT

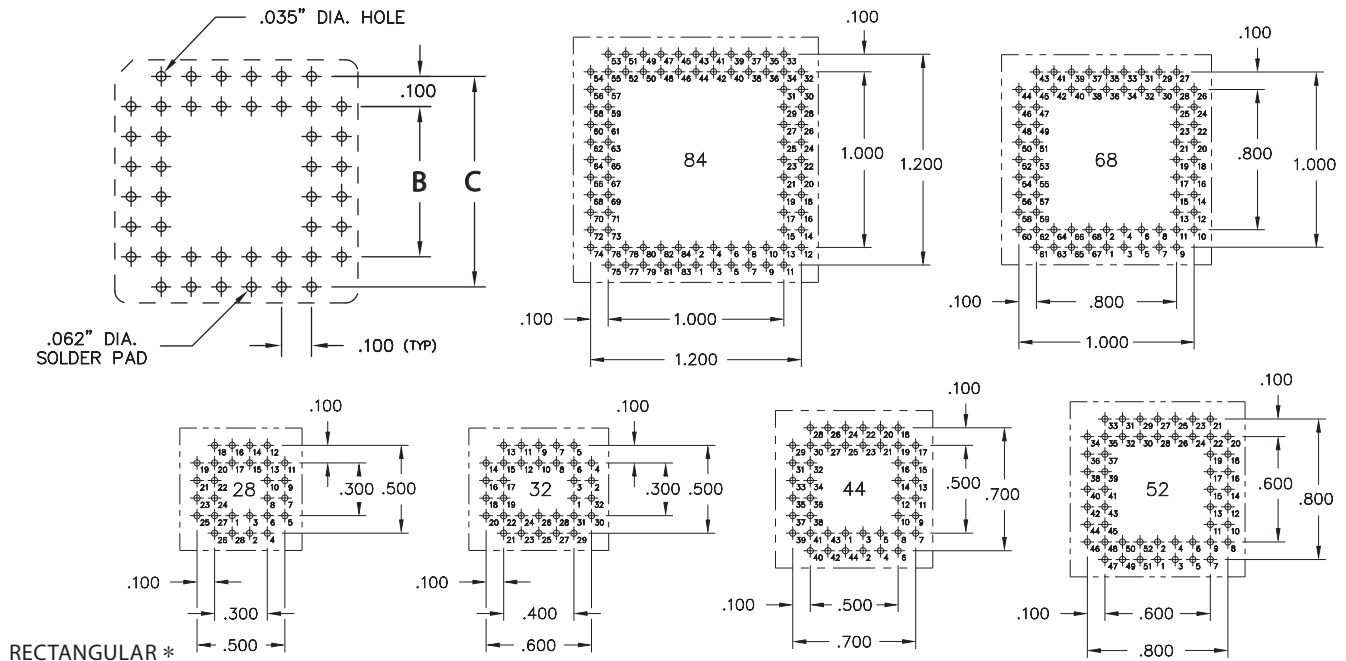


- Note: Not end stackable
- Accepts JEDEC PLCCs MS-016 & MS-018 leaded plastic substrates
- Internal standoffs insure proper positioning of chip carrier in socket
- Standoffs provide clearance for heat dissipation and cleaning
- Contacts are plated with 150  $\mu$ " tin
- Insulator material is glass reinforced PPS
- For Electrical, Mechanical and Environmental Data, see page 141 for details



### PRINTED CIRCUIT DRILLING PATTERNS (TOP VIEW)

.035" dia. min. mounting holes

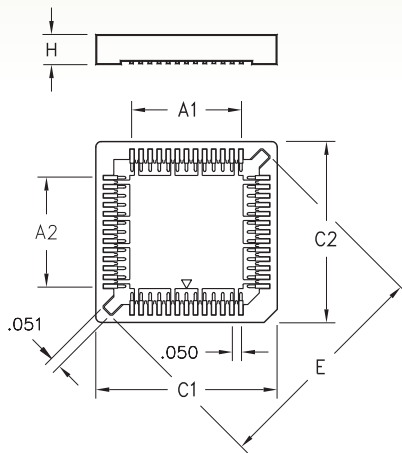


Number of Contacts	Ordering Information	- A -	- B -	- C -	Quantity per Tube
20	940-44-020-24-000000	0.613	0.200	0.400	38
28	940-44-028-24-000000	0.713	0.300	0.500	33
32 *	940-44-032-24-000000 *	0.813 / .713	0.400 / .300	0.600 / .500	29
44	940-44-044-24-000000	0.913	0.500	0.700	26
52	940-44-052-24-000000	1.013	0.600	0.800	23
68	940-44-068-24-000000	1.220	0.800	1.000	19
84	940-44-084-24-000000	1.413	1.000	1.200	16
100	940-44-100-24-000000	1.603	1.200	1.400	25
	Plating Code 44 $\blacklozenge$ = 150 $\mu$ " Sn				

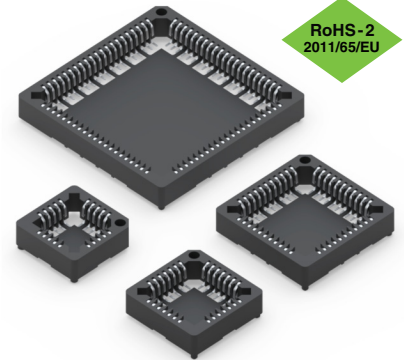


# COMPACT PLC SOCKETS

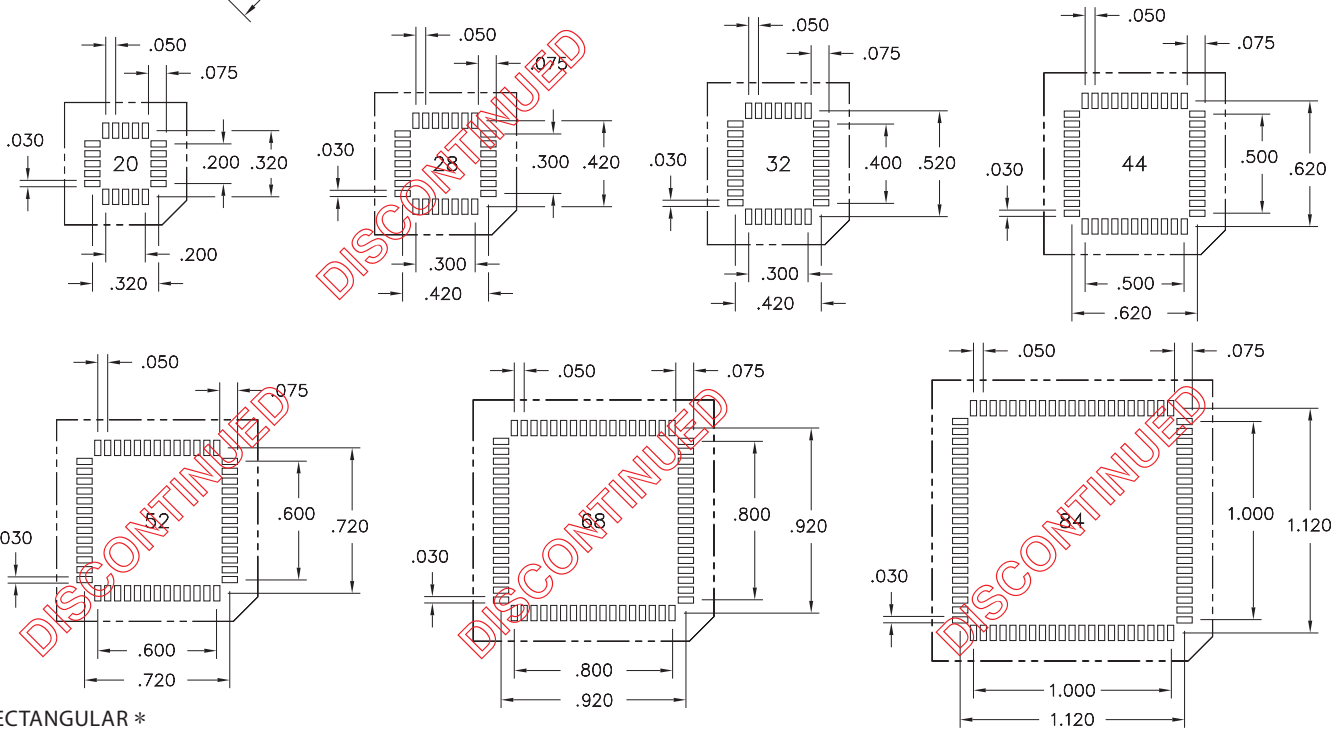
## SERIES 540 • SURFACE MOUNT



- Note: Not end stackable
- Designed for JEDEC type devices
- Open frame design in solder area improves results of IR soldering and facilitates visual inspection of solder pads
- Contacts are plated with 150 μ" tin
- The insulator is molded PPS (Ryton R-4)
- For Electrical, Mechanical and Environmental Data, see page 141 for details



### PCB LAYOUT FOR SURFACE MOUNT



RECTANGULAR \*

Number of Contacts	Ordering Information	- A1 -	- A2 -	- C1 -	- C2 -	- E -	- H -	Qty. per Tube	Tape Width mm	Qty. per Reel
20	540-44-020-17-40000X	0.200	0.200	0.585	0.585	0.657	0.180	34	24	490
28	540-44-028-17-40000X	0.300	0.300	0.685	0.685	0.799	0.180	29	32	400
32 *	540-44-032-17-40000X *	0.300	0.400	0.670	0.770	0.885	0.148	26	32	400
44	540-44-044-17-40000X	0.500	0.500	0.885	0.885	1.082	0.180	22	44	250
52	540-44-052-17-40000X	0.600	0.600	1.000	1.000	1.224	0.180	20	44	250
68	540-44-068-17-40000X	0.800	0.800	1.202	1.202	1.507	0.180	16	44	220
84	540-44-084-17-40000X	1.000	1.000	1.400	1.400	1.791	0.180	14	56	200
Packaging Codes: X = 0 (Tubes) X = 4 (Tape & Reel)										

