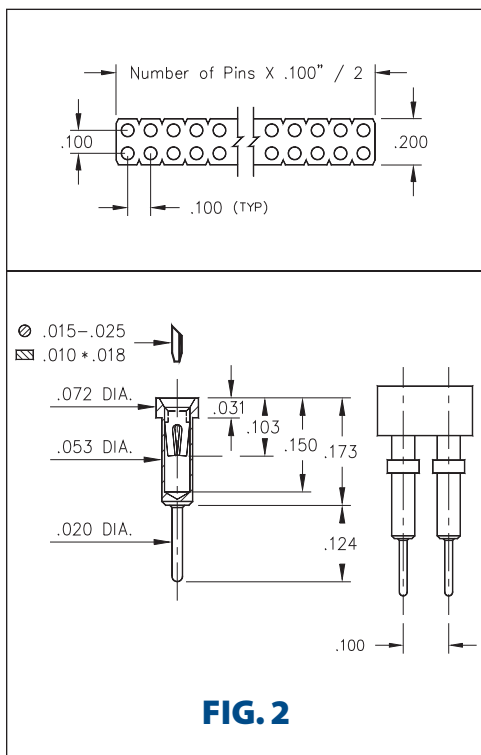
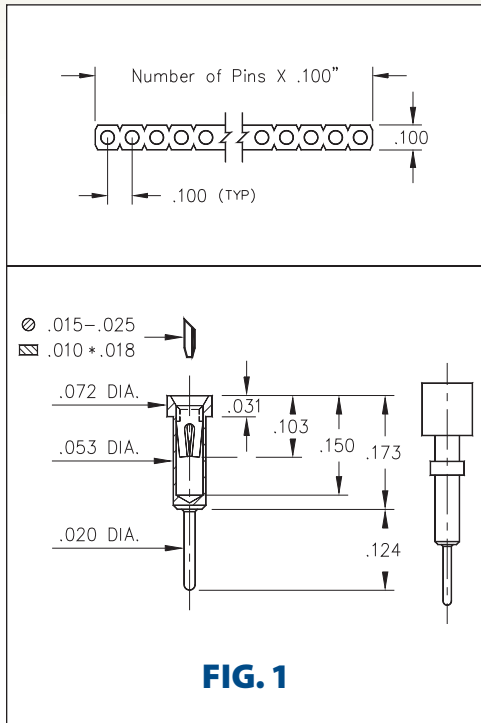


INTERCONNECTS

SERIES 712 • .100" GRID CARRIER WITH SOLDER TAIL • SINGLE AND DOUBLE ROW STRIPS



- Standard solder tail receptacles can be mounted as a low profile receptacle or by the solder tail for use in smaller diameter holes
- Series 712 use MM #0255 pins. 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



ORDERING INFORMATION

FIG. 1	Single Row (.028" or .055" min. mounting holes)	
	712-XX-1	-41-001000
	Specify number of pins	01-64
FIG. 2	Double Row (.028" or .055" min. mounting holes)	
	712-XX-2	-41-001000
	Specify number of pins	04-64



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	11	13	91	93	41	43	
Sleeve (Pin)	10 μ" Au	10 μ" Au	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	10 μ" Au	30 μ" Au	



INTERCONNECTS

SERIES 714...00X • .100" GRID LOW PROFILE CARRIERS • SINGLE AND DOUBLE ROW STRIPS

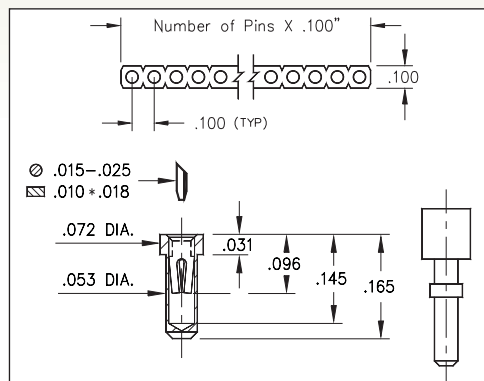


FIG. 1

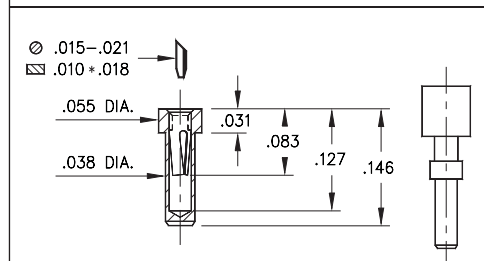


FIG. 2

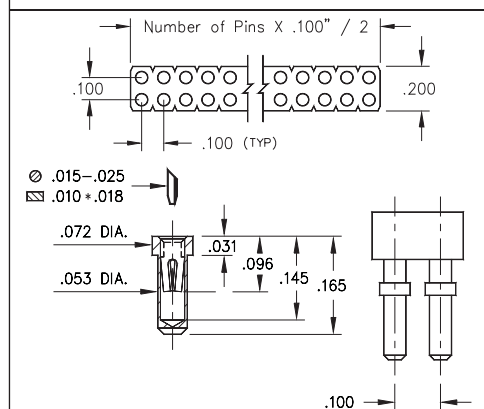


FIG. 3

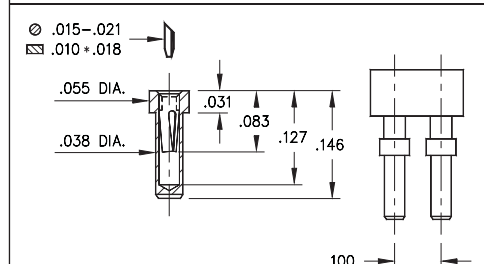
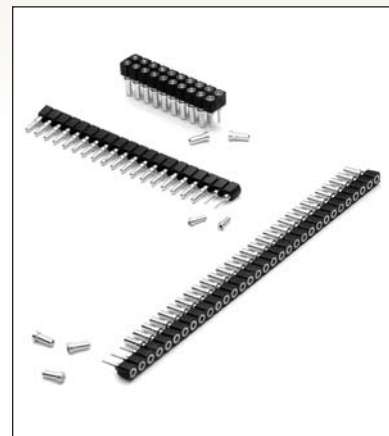


FIG. 4

- Low profile receptacles sit .031" above the board
- Series 714 use MM #1401 and MM #1407 pin receptacles. See pages 157 and 170 for details
- Hi-Rel, 4-finger BeCu #30 contact is used in the #1401 receptacle and a BeCu #11 contact is used in the #1407. Both contacts are rated at 3 amps. See pages 251 and 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Single Row (.055" min. mounting hole)					
	714-XX-1	-41-001000	Specify number of pins	01-64		
FIG. 2	Single Row (.039" min. mounting hole)					
	714-XX-1	-31-007000	Specify number of pins	01-64		
FIG. 3	Double Row (.055" min. mounting hole)					
	714-XX-2	-41-001000	Specify number of pins	04-64		
FIG. 4	Double Row (.039" min. mounting hole)					
	714-XX-2	-31-007000	Specify number of pins	04-64		
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264						
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	

INTERCONNECTS

SERIES 714...01X • .100" GRID ULTRA LOW PROFILE CARRIERS • SINGLE AND DOUBLE ROW STRIPS

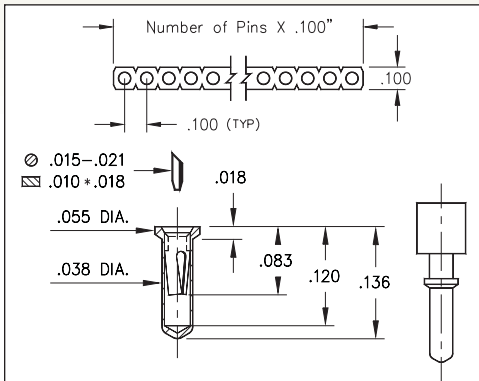


FIG. 1

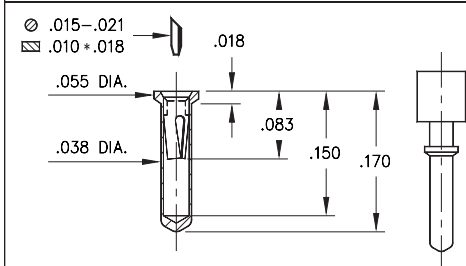


FIG. 2

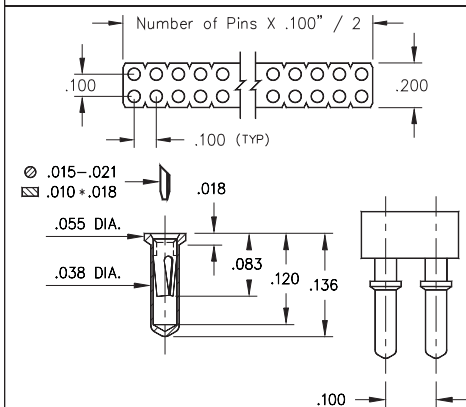


FIG. 3

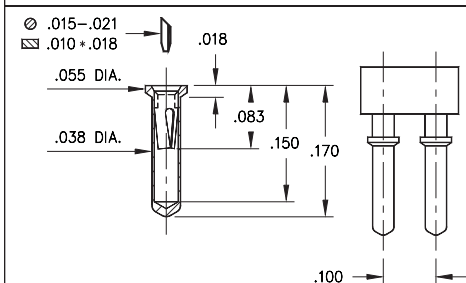
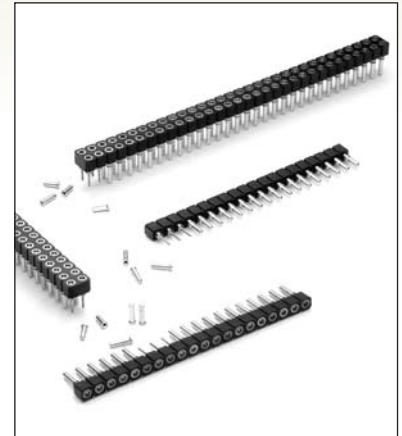


FIG. 4

- Ultra low profile receptacles sit .018" above the board
- Series 714 use MM #0552-1 and MM #0552-2 pin receptacles. See page 158 for details
- Hi-Rel, 3-finger BeCu #11 contact is rated at 3 amps. See page 251 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations

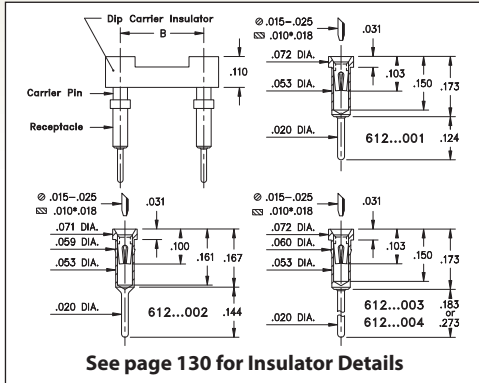


ORDERING INFORMATION

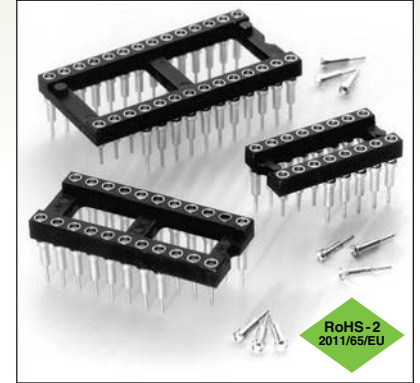
FIG. 1	Single Row (.039" min. mounting hole)					
	714-XX-1 -31-012000 Specify number of pins 01-64					
FIG. 2	Single Row (.039" min. mounting hole)					
	714-XX-1 -31-018000 Specify number of pins 01-64					
FIG. 3	Double Row (.039" min. mounting hole)					
	714-XX-2 -31-012000 Specify number of pins 04-64					
FIG. 4	Double Row (.039" min. mounting hole)					
	714-XX-2 -31-018000 Specify number of pins 04-64					
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264						
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

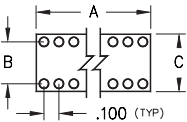
DUAL-IN-LINE SOCKETS

SERIES 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

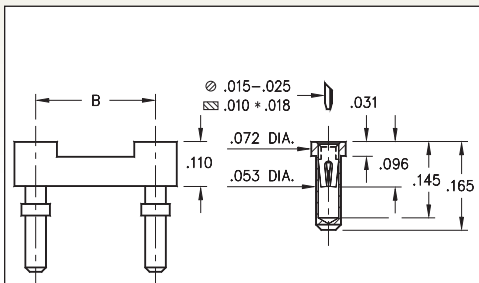


Total number of pins				Quantity per tube	ORDERING INFORMATION				
	A	B	C		Tail Length = .124	Tail Length = .144	Tail Length = .183	Tail Length = .273	
					(.022 Min. Mounting Hole)	(.022 Min. Mounting Hole)	(.022 Min. Mounting Hole)	(.022 Min. Mounting Hole)	
10	0.5	0.2	0.3	40	612-XX-210-41-001000	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	
SPECIFY PLATING CODE XX =					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
					XX=Plating Code See to Left				



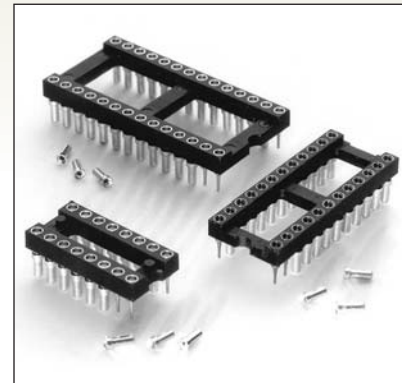
DUAL-IN-LINE SOCKETS

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

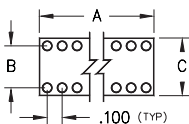


See page 130 for Insulator Details

- 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



ORDERING INFORMATION

Total number of pins				Quantity per tube	ORDERING INFORMATION
	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
SPECIFY PLATING CODE XX =					
Sleeve (Pin) 					
Contact (Clip) 					

XX=Plating Code
See Below

RoHS-2
2011/65/EU

91	93	41	43
200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn
10 μ" Au	30 μ" Au	10 μ" Au	30 μ" Au

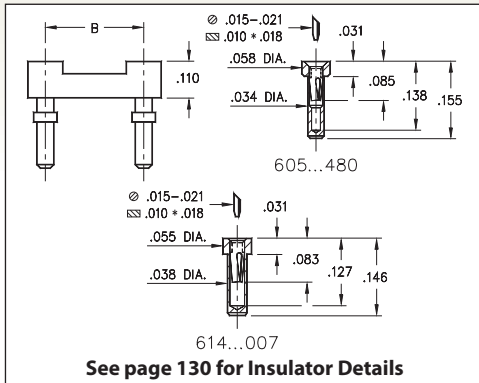
XX=Plating Code
See Below

RoHS-2
2011/65/EU

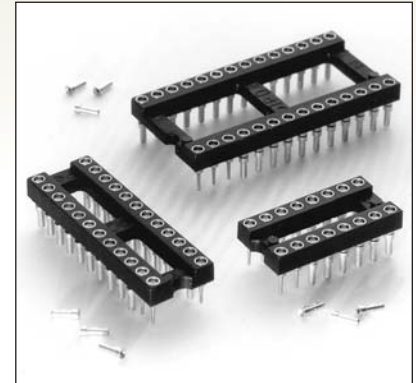


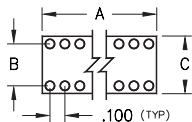
DUAL-IN-LINE SOCKETS

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

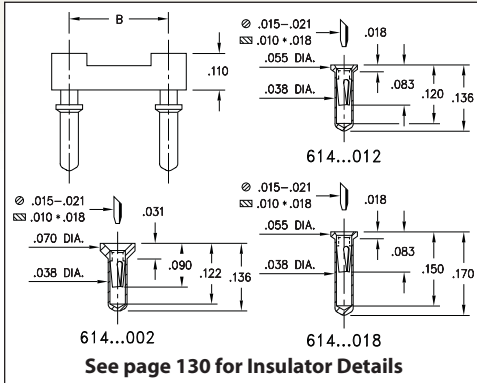


Total number of pins				Quantity per tube	ORDERING INFORMATION						
	A	B	C		Length = .146 (.039 Min. Mounting Hole)	Length = .155 (.035 Min. Mounting Hole)					
10	0.5	0.2	0.3	40	614-XX-210-31-007000	605-XX-210-11-480000	RoHS-2 2011/65/EU XX=Plating Code See Below				
4	0.2	0.3	0.4	102	614-XX-304-31-007000	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	

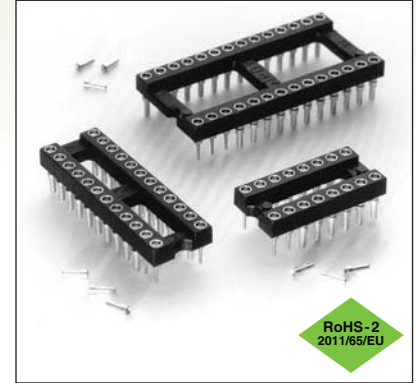


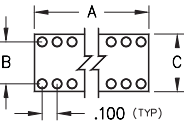
DUAL-IN-LINE SOCKETS

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



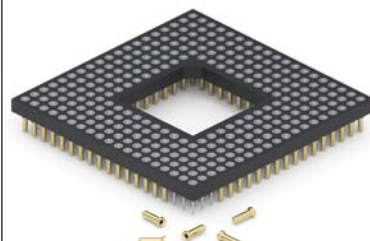
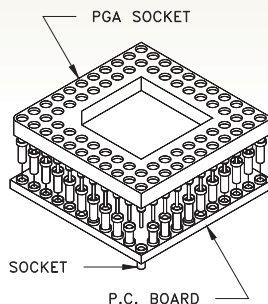
Total number of pins				Quantity per tube	ORDERING INFORMATION				
					Length = .136 (.039 Min. Mounting Hole)	Length = .136 (.039 Min. Mounting Hole)	Length = .170 (.039 Min. Mounting Hole)		
	A	B	C						
10	0.5	0.2	0.3	40	614-XX-210-31-012000	614-XX-210-31-002000	614-XX-210-31-018000		
4	0.2	0.3	0.4	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		
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	

PIN GRID ARRAY SOCKETS

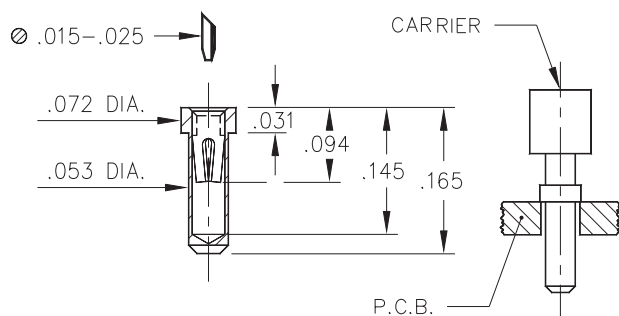
SERIES 605, 614 • .100" AND INTERSTITIAL GRID • CARRIER TYPE

- 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

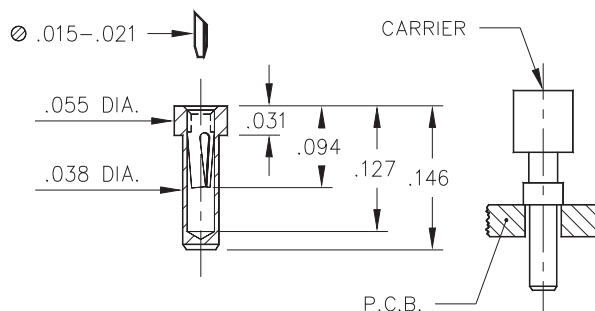


SERIES 614...001, 002, 003 LOW PROFILE SOCKET

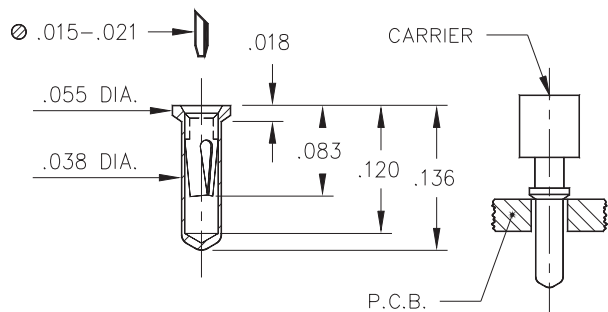


For .100" Grid Only

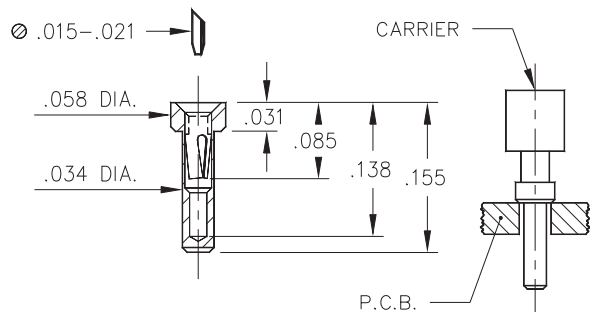
SERIES 614...007 MINIATURE SOCKET



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
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

