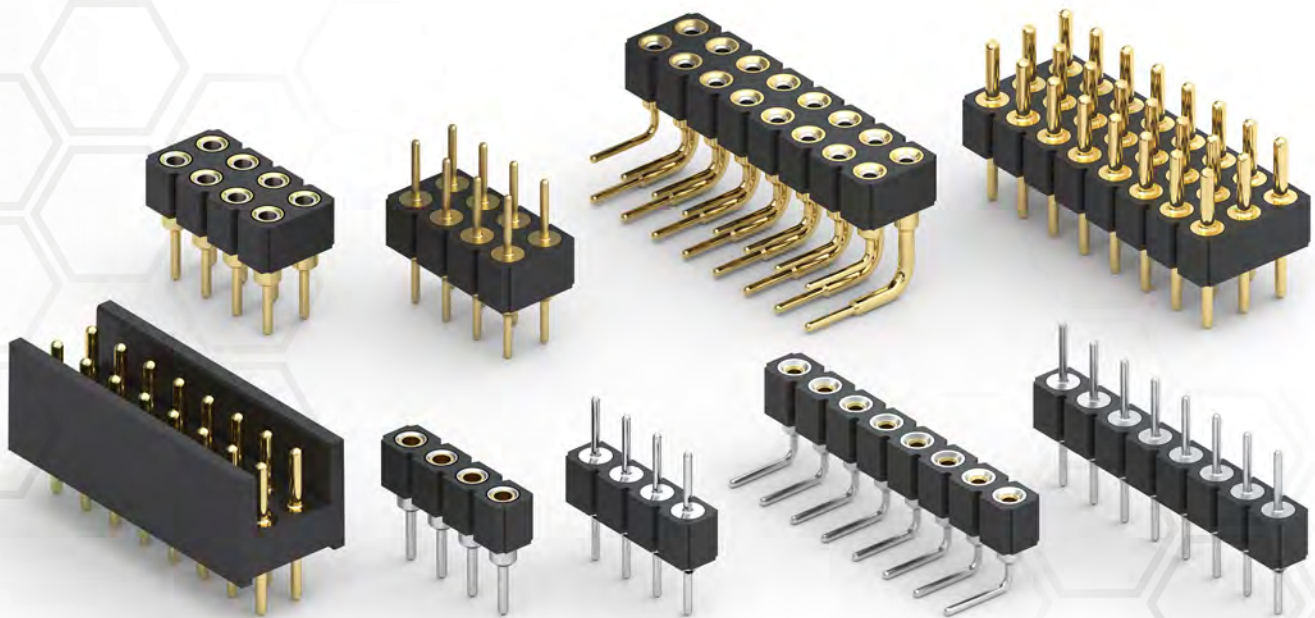




WWW.MILL-MAX.COM

BOARD-TO-BOARD INTERCONNECTS



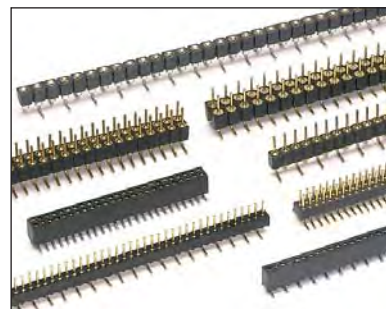
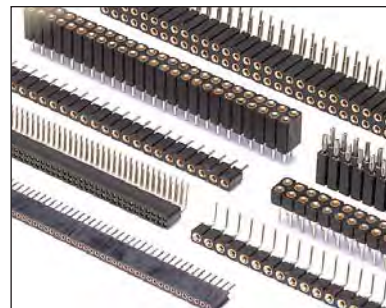


WWW.MILL-MAX.COM

MILL-MAX HEADER AND SOCKET INTERCONNECTS OFFER AN IDEAL SOLUTION TO THE BOARD-TO-BOARD INTERCONNECT CHALLENGES THAT DESIGN ENGINEERS FACE EVERY DAY. We offer a variety of options to accommodate everything from space-saving, fine-pitch requirements, to larger, more robust applications in which products are subjected to harsh environments including significant shock and vibration. By mating different combinations of headers and sockets, a wide range of board-to-board spacing can be achieved.

MILL-MAX CONNECTORS ARE AVAILABLE IN THE FOLLOWING CONFIGURATIONS:

- Pluggable using a mating socket and header
- Permanent by soldering a through-hole header to both boards
- Fine pitch from 2mm down to 1mm pin-to-pin spacing
- Surface mount headers and sockets
- Right angle
- Multiple board stacking using Organic Fiber Plug® pass-through sockets
- Horizontal "Z-Bend" SMT
- Wire Termination: Soldercup, Turret, Slotted
- Solderless Press-fit



CUSTOM INSULATORS

NEED A SOCKET OR HEADER IN A UNIQUE CONFIGURATION?

Mill-Max can manufacture custom insulators to your exacting specifications, saving you money for high volume runs.

When your product's in high demand, the most cost-effective way to produce a custom connector insulator is to mold it. Mill-Max can mold* insulators out of PCT, Nylon, PPS or LCP, depending on the environmental, mechanical, electrical and thermal requirements of your application.

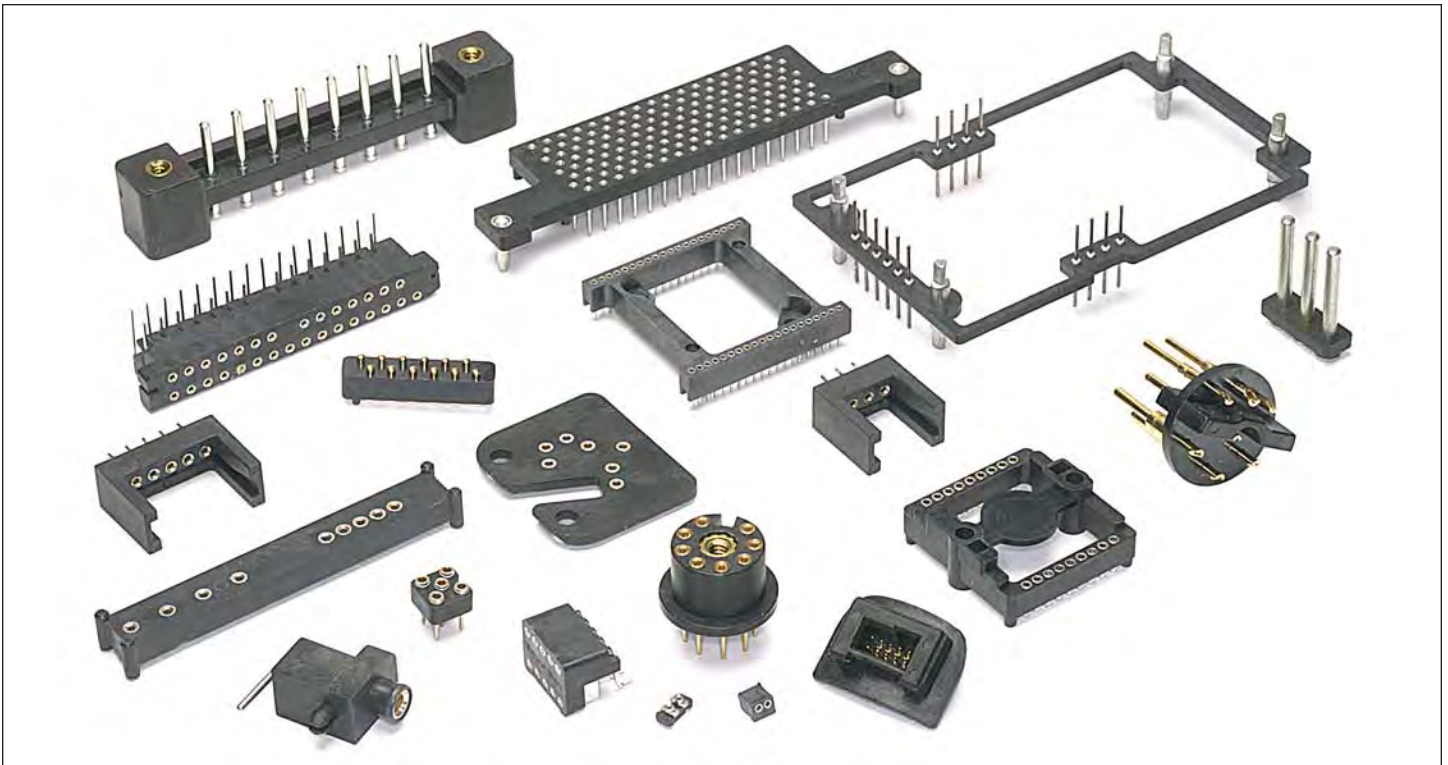
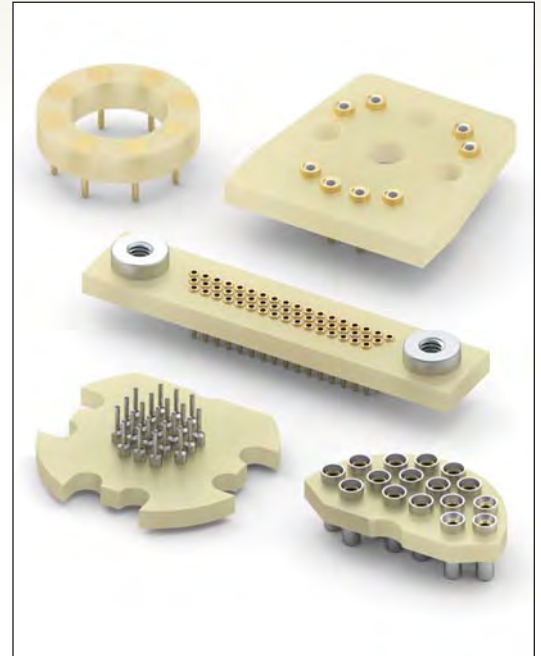
If you have a high-volume connector application, Mill-Max can provide a superior molded insulator solution that will keep your costs in check.

In addition, Mill-Max's utilization of FR-4 epoxy material, in combination with standard pins/receptacles, makes this kind of customization a quick and efficient process for both prototype and volume production.

FR-4 insulators offered in standard thicknesses of .020", .031", .047", .062", .093" and .125" are best suited for single plane designs. Mill-Max can turn around a socket, header or spring pin connector typically in 2-4 weeks or less! (Provided that a standard receptacle or pin with a press-fit feature is used.)

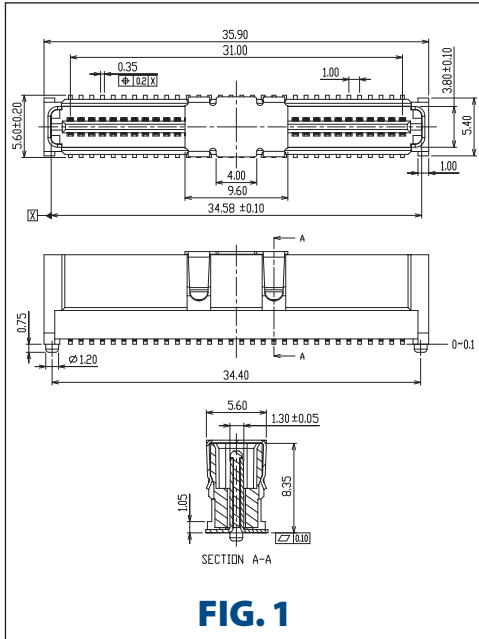
Please contact us with your custom application by completing our Custom Product Worksheet on page 247.

* A one-time partial tooling charge is assessed in order to cover the costs associated with building a custom mold tool.

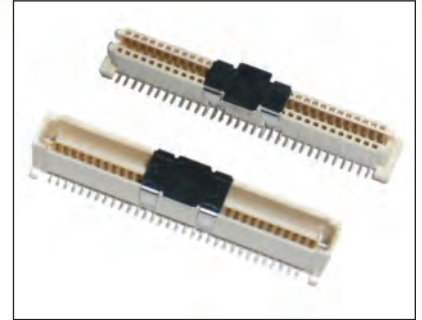


INTERCONNECTS

SERIES 891 & 893 • 1mm GRID SURFACE MOUNT • MALE AND FEMALE CONNECTORS

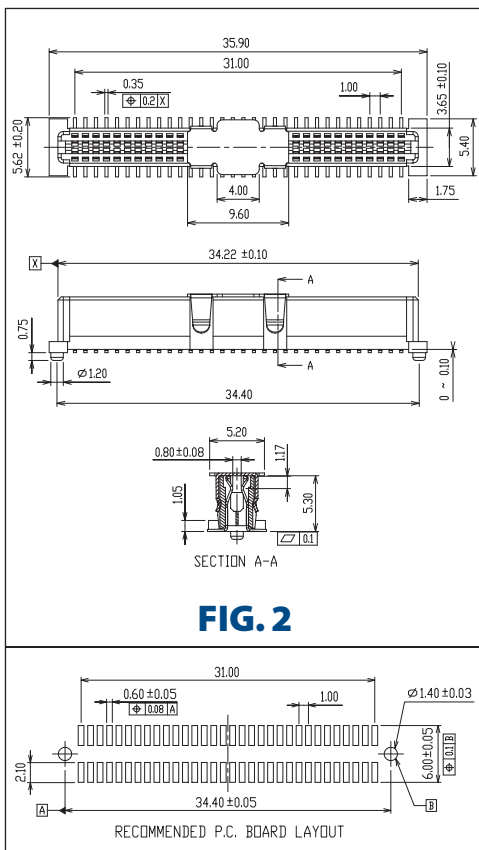


- 64 Position Mezzanine Connectors for board stacking
- 1 mm Centerline high density packaging
- Mated connector board stacking height of 10 mm
- Conforms to EIA-700 AAAB for IEEE 1386 applications
- Tape & Reel packaged per EIA-783 (56 mm wide; 16 mm pitch)
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 891...120 1mm Surface Mount Male Connector
	891-10-064-30-120000 Tape and Reel Packaging: 400 Parts per 13" reel
FIG. 2	Series 893...420 1mm Surface Mount Female Connector
	893-43-064-30-420000 Tape and Reel Packaging: 600 Parts per 13" reel



Technical Specifications

Materials:

Terminals and Contacts: Phosphor Bronze
Plating: Contact area - 30 μ" Gold over Nickel
Solder Terminals - 75 μ" Tin over Nickel
Vacuum Cap: Stainless Steel
Insulator Material: High temperature glass filled LCP, rated UL 94V-0

RoHS - 2
2011/65/EU

Ratings:

Current: (30° C Temperature Rise): 0.5 A max., all circuits wired in series (1.0A max., five adjacent circuits wired in series)
Voltage: 250V AC (RMS) (contact to contact)
Operating Temperature Range: -55° C - +85° C

Electrical:

Contact resistance: 30mΩ max.
Insulation resistance: 1,000 MΩ min.
Dielectric Withstanding Voltage: 250V AC for one minute @ sea level

Mechanical:

Vibration: No discontinuity > 1 ms per MIL-STD 202, Method 201
Physical Shock: No discontinuity > 1 μs per EIA 364-27 Test Condition H
Durability: 100 cycles min. per EIA 364-09
Mating Force: 60 g/terminal max. per EIA 364-13
Separation Force: 23 g/terminal min. per EIA 364-13
Contact Retention Force: .4Kg min. per EIA 364-35

Environmental:

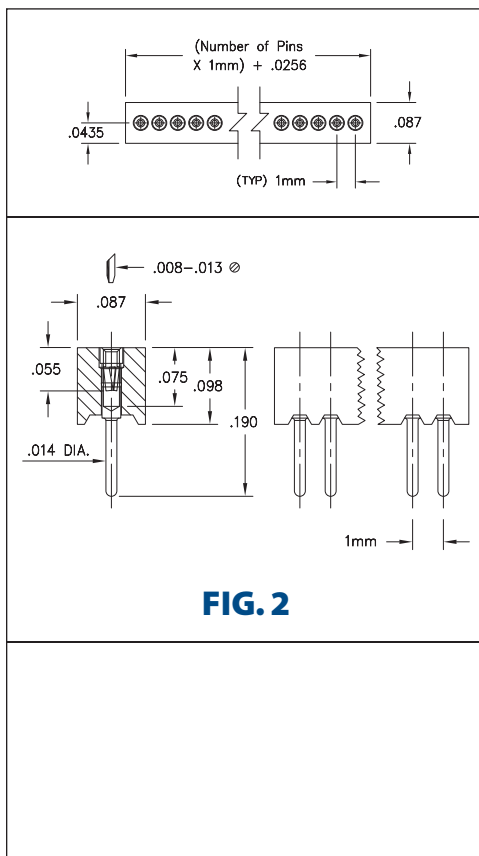
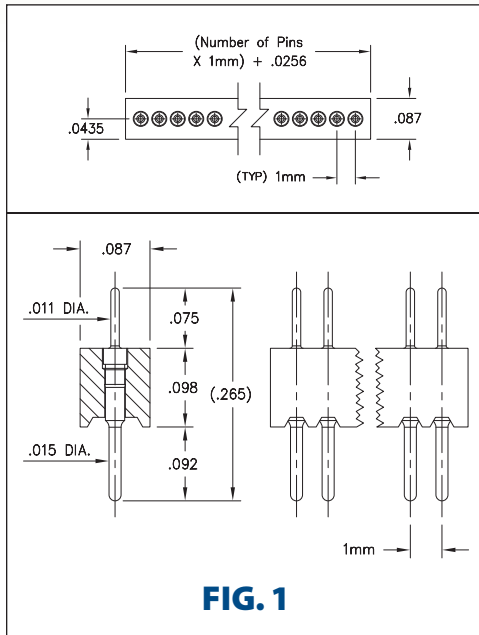
Thermal Shock: Per EIA 364-32, Test Condition I
Humidity: Test conditions - Ambient temp. 40±2°C; Relative humidity: 90 - 95%; Duration: 96 Hrs.
Post Humidity Inspection - 1. No damage
2. Contact resistance change < 15 mΩ
3. Insulation Resistance: 100 MΩ min.
Solderability: Per EIA 364-52 Category 2



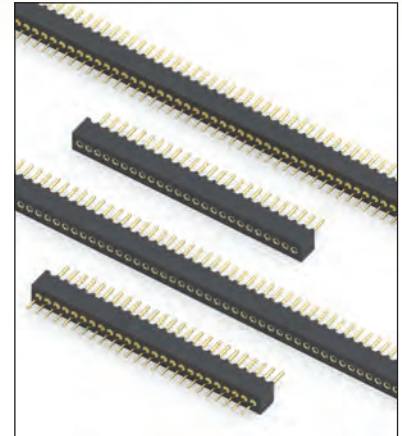
Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com

INTERCONNECTS

SERIES 860 & 861 • 1mm GRID HEADERS AND SOCKETS • SINGLE ROW STRIPS



- Series 860 headers and Series 861 sockets are single row, 1mm pitch interconnects rated at 2 amps
- Series 860 headers have .015" diameter solder tails and .011" diameter pluggable pins (MM #3039) See page 208 for details
- Series 861 sockets have .014" diameter solder tails (MM #0439). See page 156 for details
- Both 860 headers and 861 sockets are available in 2-50 position strips
- The header and socket provide a mated height of .196" for board stacking applications
- Insulators are high temperature thermoplastic, suitable for most soldering processes, and feature standoffs to promote solder flow



ORDERING INFORMATION

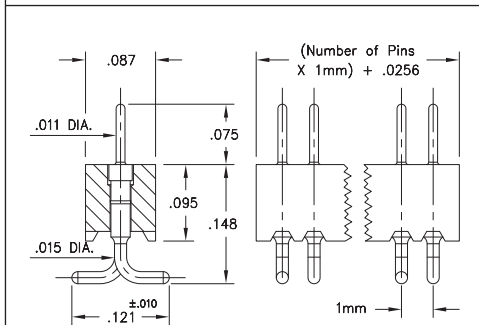
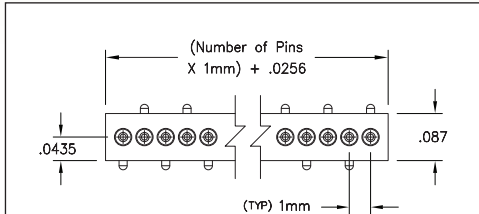
FIG. 1	Series 860...002		Single Row 1mm Header			
	860-10-0- -10-002000 Specify number of pins 02-50					
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264						
SPECIFY PLATING CODE XX=		10	◆			
Pin Plating			10 μ" Au			

FIG. 2	Series 861...002		Single Row 1mm Socket					
	861-13-0- -10-002000							
	Specify number of pins		02-50					
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264								
SPECIFY PLATING CODE XX=		13						
Sleeve (Pin)		10 μ" Au						
Contact (Clip)		30 μ" Au						



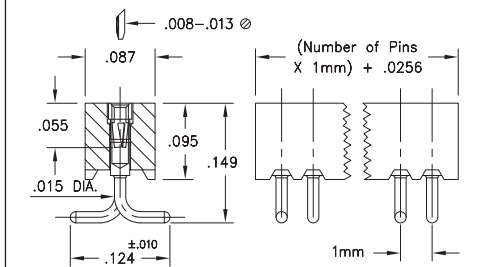
INTERCONNECTS

SERIES 860 & 861 • 1mm GRID SURFACE MOUNT GULL WING HEADERS & SOCKETS • SINGLE ROW STRIPS



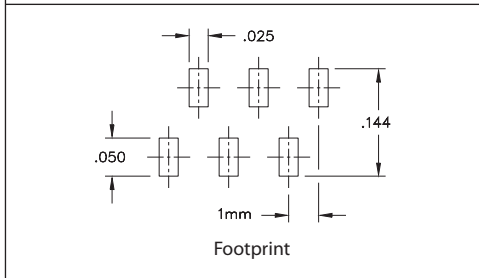
Coplanarity .005". For pin counts >20 positions, consult Technical Support.

FIG. 1

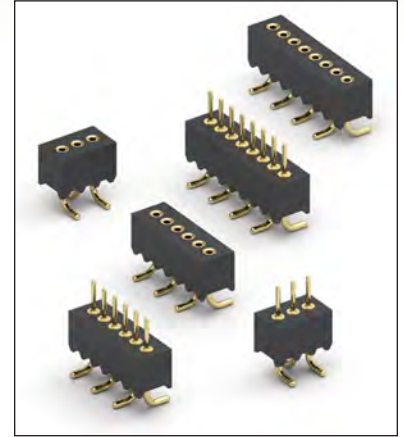


Coplanarity .005". For pin counts >20 positions, consult Technical Support.

FIG. 2



- Series 860 surface mount gull wing headers have .011" dia. pluggable pins for Surface Mount soldering to the P.C.B. (MM #3039). See page 208 for details
- Series 861 surface mount gull wing sockets uses MM #0439 receptacles that accept pin diameters from .008"-.013". See page 156 for details
- Receptacles use Hi-Rel, 3-finger BeCu #04 contact rated at 2 amps. See page 250 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 860...002 Single Row Surface Mount Header	
	860-10-0-30-002000	
	Specify number of pins	03-26
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating	10 μ" Au	

FIG. 2	Series 861...002 Single Row Surface Mount Socket	
	861-13-0-30-002000	
	Specify number of pins	03-26
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)	13 μ" Au	
Contact (Clip)	30 μ" Au	



INTERCONNECTS

SERIES 850, 851, 852, 853 • .050" GRID HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

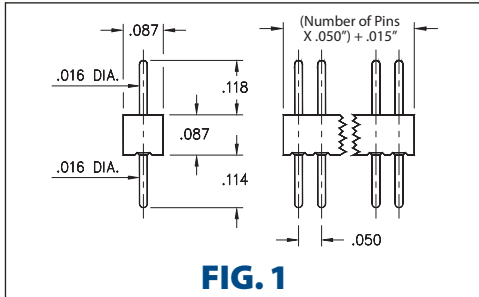


FIG. 1

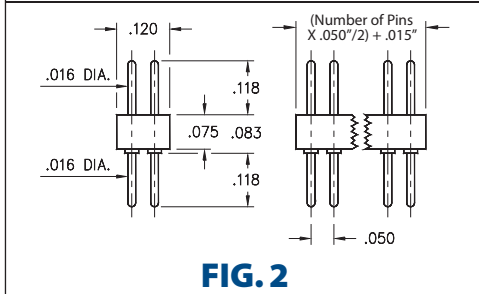


FIG. 2

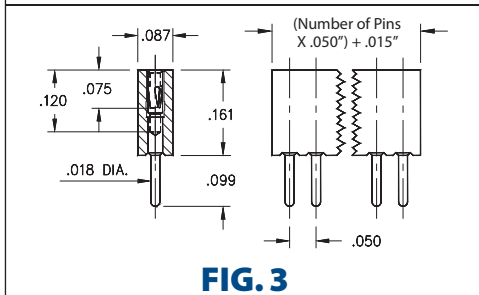


FIG. 3

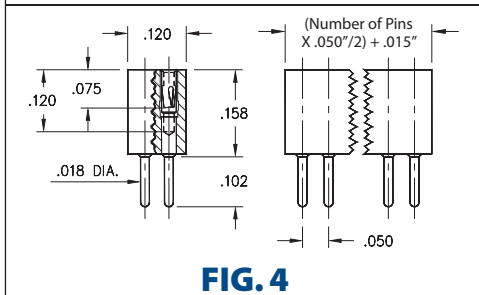


FIG. 4

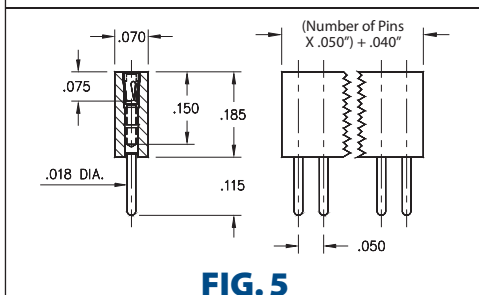


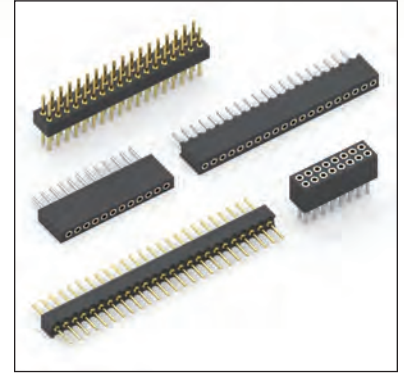
FIG. 5

• Series 850, 851, 852, 853 single and double row interconnects have .050" pin spacing and permit board stacking as low as .248"

• Pin headers have .016" dia. pins (MM #4006-0) See page 208 for details

• MM #0467 and MM #4890 receptacles use Hi-Rel, 3-finger BeCu #11 contact rated at 3 amps. (#11 contact accepts pin diameters from .015"-.020"). See pages 158 and 160 for details

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



ORDERING INFORMATION

FIG. 1	Series 850...001 Single Row .087" Profile Pin Header				
	850-XX-0- -10-001000 Specify number of pins 01-50				
FIG. 2	Series 852...001 Double Row .083" Profile Pin Header				
	852-XX- -10-001000 Specify number of pins 004-100				
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264					
SPECIFY PLATING CODE XX=		10 	90	40 	
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 3	Series 851...001	Single Row .161" Profile Socket						
	851-XX-0-10-001000 Specify number of pins 01-50							
FIG. 4	Series 853...001	Double Row .161" Profile Socket						
	853-XX-10-001000 Specify number of pins 004-100							
FIG. 5	Series 851...002	Single Row .185" Profile Socket						
	851-XX-0-10-002000 Specify number of pins 01-77							
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264								
SPECIFY PLATING CODE XX=								
Sleeve (Pin)			91	93	99	41 	43 	47 
Contact (Clip)			10 μ" Au	30 μ" Au	100 μ" Sn/Pb	10 μ" Au	30 μ" Au	Au Flash



INTERCONNECTS

SERIES 851 & 853 • .050" GRID LONG TAIL SOCKETS • SINGLE AND DOUBLE ROW STRIPS

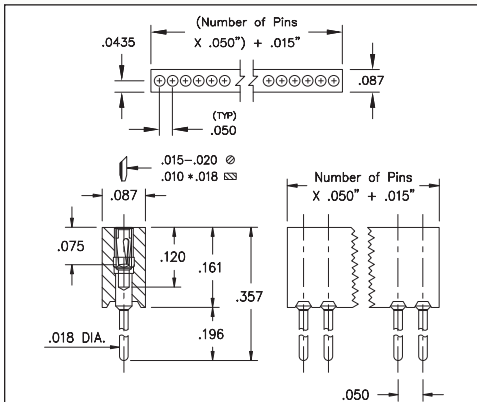


FIG. 1

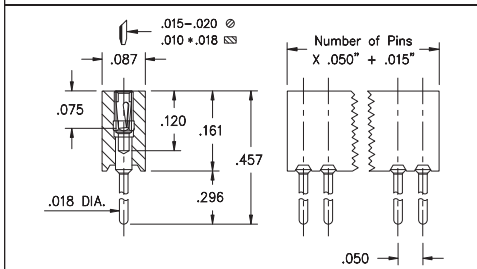


FIG. 2

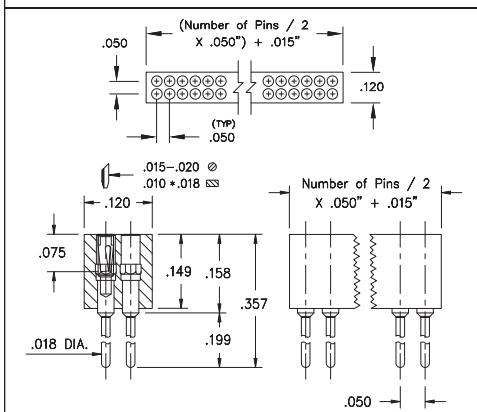


FIG. 3

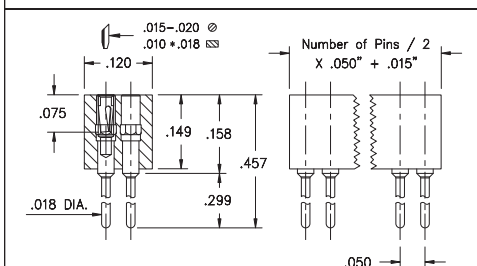
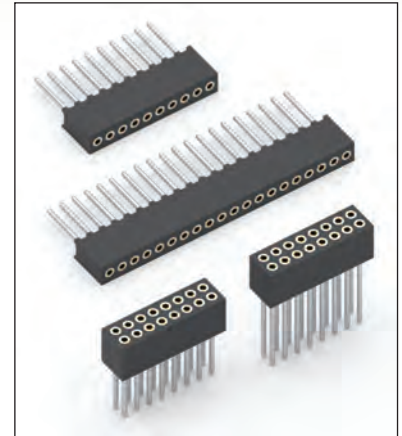


FIG. 4

- Series 851...011 and 853...011 use MM #4890-1 pins. See page 160 for details
- Series 851...021 and 853...021 use MM #4890-2 pins. See page 160 for details
- Receptacles use Hi-Rel, 3-finger BeCu #11 contact rated at 3 amps. (#11 contact accepts pin diameters from .015"-.020"). See page 251 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations

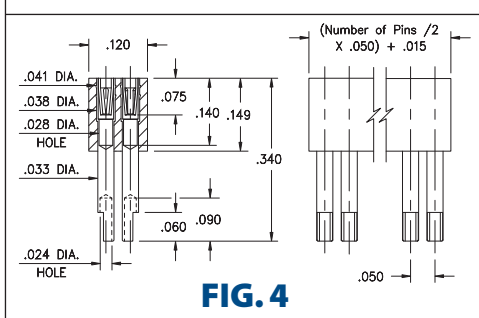
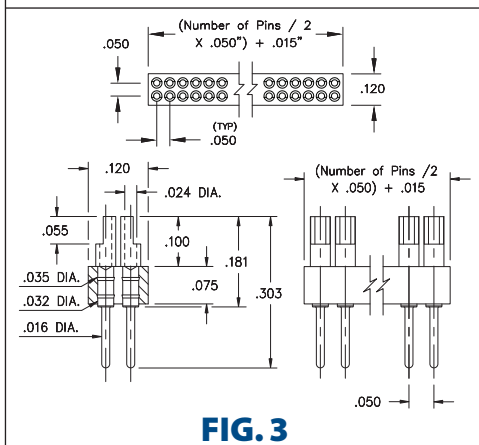
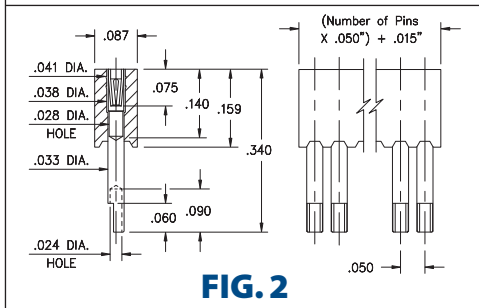
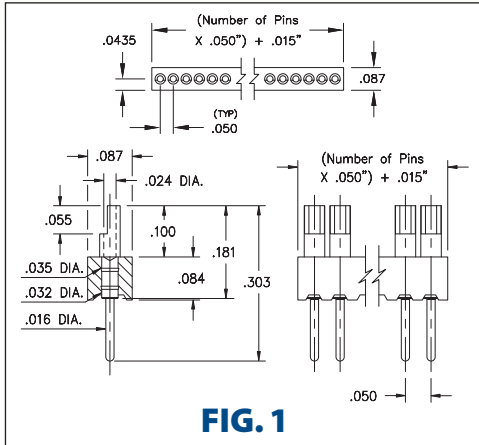


ORDERING INFORMATION

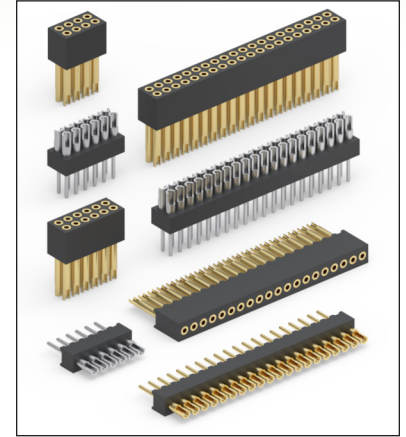
FIG. 1	Series 851...011	Single Row Socket
	851-XX-0	-10-011000 Specify number of pins 01-50
FIG. 2	Series 851...021	Single Row Socket
	851-XX-0	-10-021000 Specify number of pins 01-50
FIG. 3	Series 853...011	Double Row Socket
	853-XX-	-10-011000 Specify number of pins 004-100
FIG. 4	Series 853...021	Double Row Socket
	853-XX-	-10-021000 Specify number of pins 004-100
RoHS -2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)		41 43
Contact (Clip)		200 μ" Sn 200 μ" Sn 10 μ" Au 30 μ" Au

INTERCONNECTS

SERIES 850, 851, 852, 853 • .050" GRID SOLDER CUP HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS



- Solder cups are pre-aligned and accept up to 26 AWG wire
- Series 850 and 852 headers use MM #3050-0 pins. See page 244 for details
- Series 851 and 853 sockets use MM #1157-0 receptacles that accept pin diameters from .015"-.020". See page 160 for details
- Receptacles use Hi-Rel, 3-finger BeCu #11 contact rated at 3 amps. See page 251 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 850...003	Single Row Solder Cup / Solder Tail			
	850-XX-0	-10-003000	Specify number of pins 01-50		
FIG. 2	Series 851...003	Single Row Solder Cup Sockets			
	851-XX-	-10-003000	Specify number of pins 01-50		
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264					
SPECIFY PLATING CODE XX=		10			
Pin Plating		10 μ" Au			

FIG. 3	Series 852...003	Double Row Solder Cup / Solder Tail				
	852-XX-0	-10-003000				
	Specify number of pins	002-100				
FIG. 4	Series 853...003	Double Row Solder Cup Sockets				
	853-XX-	-10-003000				
	Specify number of pins	002-100				
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264						
SPECIFY PLATING CODE XX=		13				
Sleeve (Pin)		10 μ" Au				
Contact (Clip)		30 μ" Au				



INTERCONNECTS

SERIES 850, 851, 852, 853 • .050" GRID RIGHT ANGLE HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

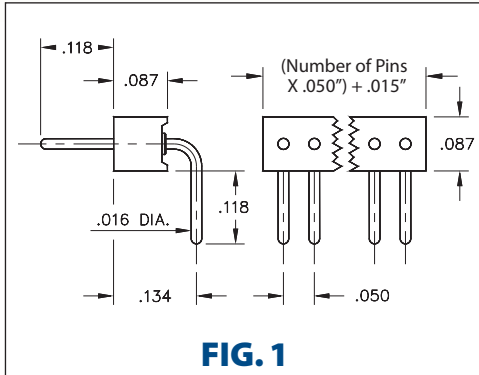


FIG. 1

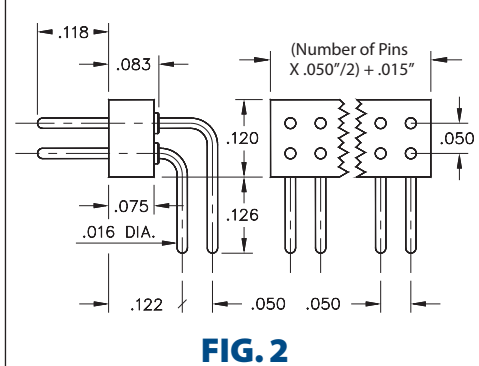


FIG. 2

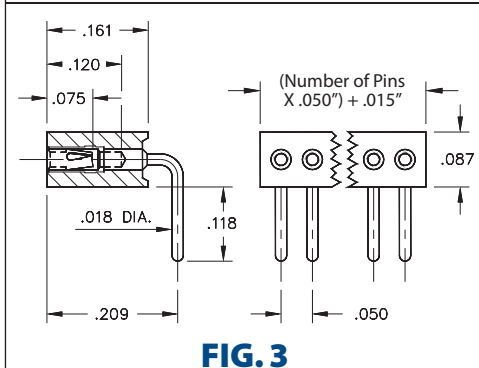


FIG. 3

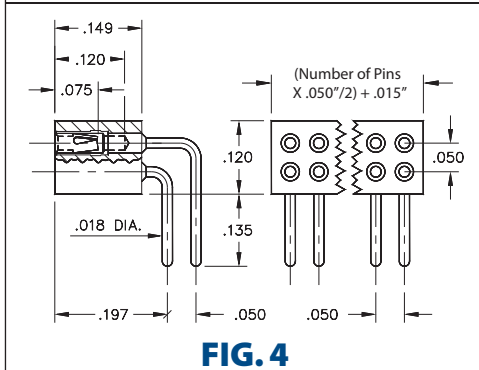


FIG. 4

- Series 850 and 851 interconnects are available in single and double row form
- Series 850 & 852 headers use MM #4006-1 and #4006-2 pins. See page 208 for details
- Series 851 & 853 sockets use MM #4890-1 and #4890-2 receptacles that accept pin diameters from .015"-.021". See page 160 for details
- Receptacles use Hi-Rel, 3-finger BeCu #11 contact rated at 3 amps. See page 251 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 850...001 Single Row Right Angle Pin Header			
	850-XX-0-20-001000 Specify number of pins 01-50			
FIG. 2	Series 852...001 Double Row Right Angle Pin Header			
	852-XX-20-001000 Specify number of pins 002-100			
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=				
Pin Plating	10 	90	40 	
	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 3	Series 851...001		Single Row Right Angle Socket				
	851-XX-0-20-001000		Specify number of pins 01-50				
FIG. 4	Series 853...001		Double Row Right Angle Socket				
	853-XX-20-001000		Specify number of pins 002-100				
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264							
SPECIFY PLATING CODE XX=			93	99		43 	47 
Sleeve (Pin) 			200 μ" Sn/Pb	200 μ" Sn/Pb		200 μ" Sn	200 μ" Sn
Contact (Clip) 			30 μ" Au	100 μ" Sn/Pb		30 μ" Au	Au Flash

INTERCONNECTS

SERIES 850, 851, 852, 853 • .050" GRID SURFACE MOUNT HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

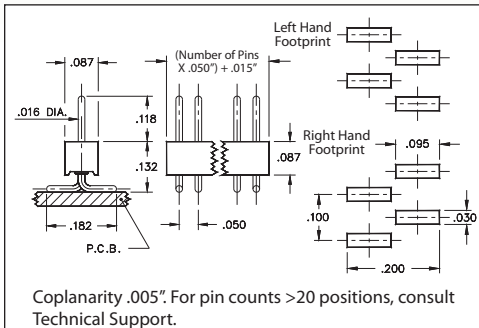


FIG. 1

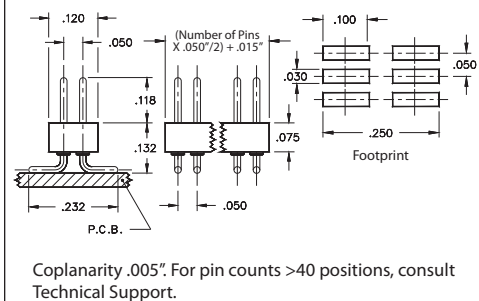


FIG. 2

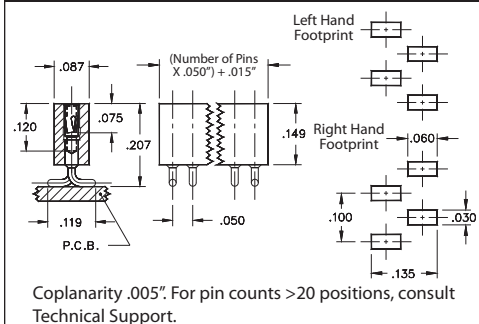


FIG. 3

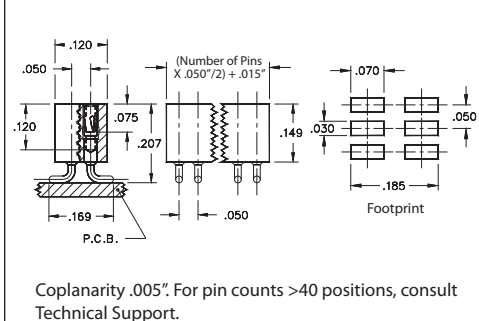
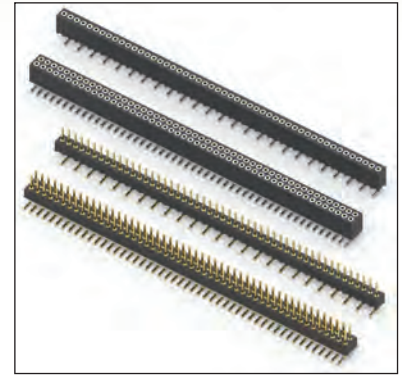


FIG. 4

- Single row interconnects having an even number of pins are now available with a left or right hand footprints
- Headers (850 and 852) use MM #4006 pins. See page 208 for details
- Sockets (851 and 853) use MM #4890-0 receptacles and accept pin diameters from .015"-.021". See page 160 for details
- Receptacles use Hi-Rel, 3-finger BeCu #11 contact rated at 3 amps. See page 251 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1L		Single Row Header, Left Hand Footprint, Odd or Even # of Pins						
		850-XX-0-30-001000 Specify number of pins 02-50						
FIG. 1R		Single Row Header, Right Hand Footprint, Even # of Pins						
		850-XX-0-30-002000 Specify number of pins 02-50						
FIG. 2		Double Row Header, Even # of Pins						
		852-XX--30-001000 Specify number of pins 004-100						
SPECIFY PLATING CODE XX=		10	90	40				
Pin Plating		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn				
FIG. 3L		Single Row Socket, Left Hand Footprint, Odd or Even # of Pins						
		851-XX-0-30-001000 Specify number of pins 02-50						
FIG. 3R		Single Row Socket, Right Hand Footprint, Even # of Pins						
		851-XX-0-30-002000 Specify number of pins 02-50						
FIG. 4		Double Row Socket, Even # of Pins						
		853-XX--30-001000 Specify number of pins 004-100						
SPECIFY PLATING CODE XX=			91	93	99	41	43	44
Sleeve (Pin)			200 μ" Sn/Pb	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	100 μ" Sn/Pb	10 μ" Au	30 μ" Au	100 μ" Sn

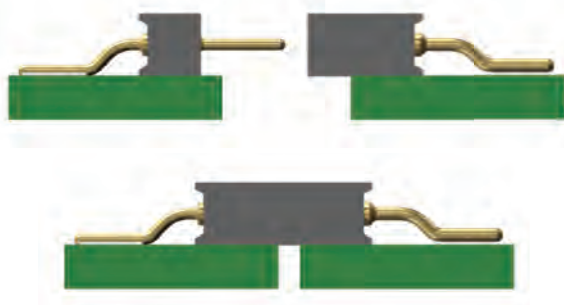
★ 44 Plating Non-Standard



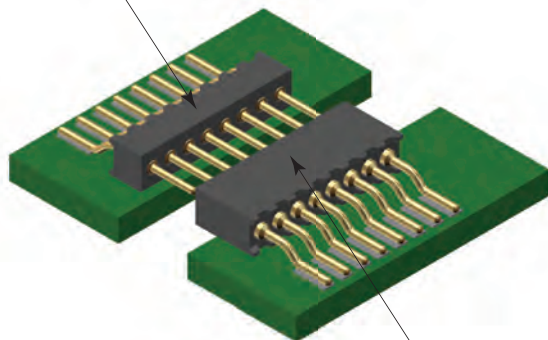
HORIZONTAL SMT PINS & CONNECTORS

VERSATILE CONNECTORS FOR HORIZONTAL & EDGE BOARD MATING APPLICATIONS

Z-Bend Style
SIP Header & Socket
HSMT (.050" Grid)



850-10-0XX-40-001000
.050" Grid (See Page 40)

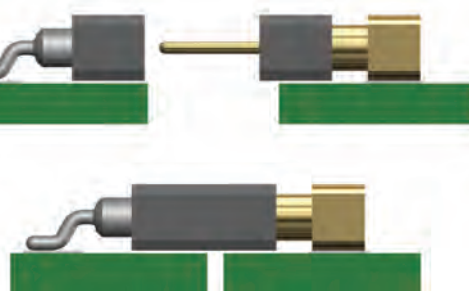


851-13-0XX-40-001000
.050" Grid (See Page 40)

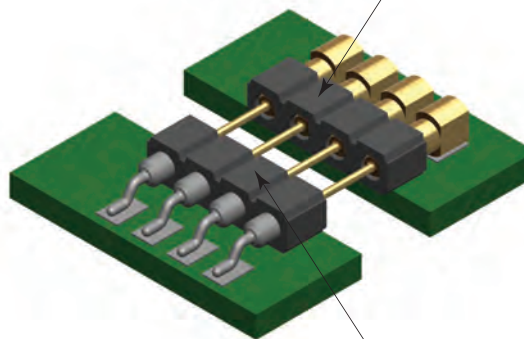
Z-Bend Style
SIP Socket HSMT
(.100" Grid)



Block Style
SIP Header HSMT
(.100" Grid)



351-10-1XX-40-002000
.100" Grid (See Page 50)



310-43-1XX-40-023000
.100" Grid (See Page 50)

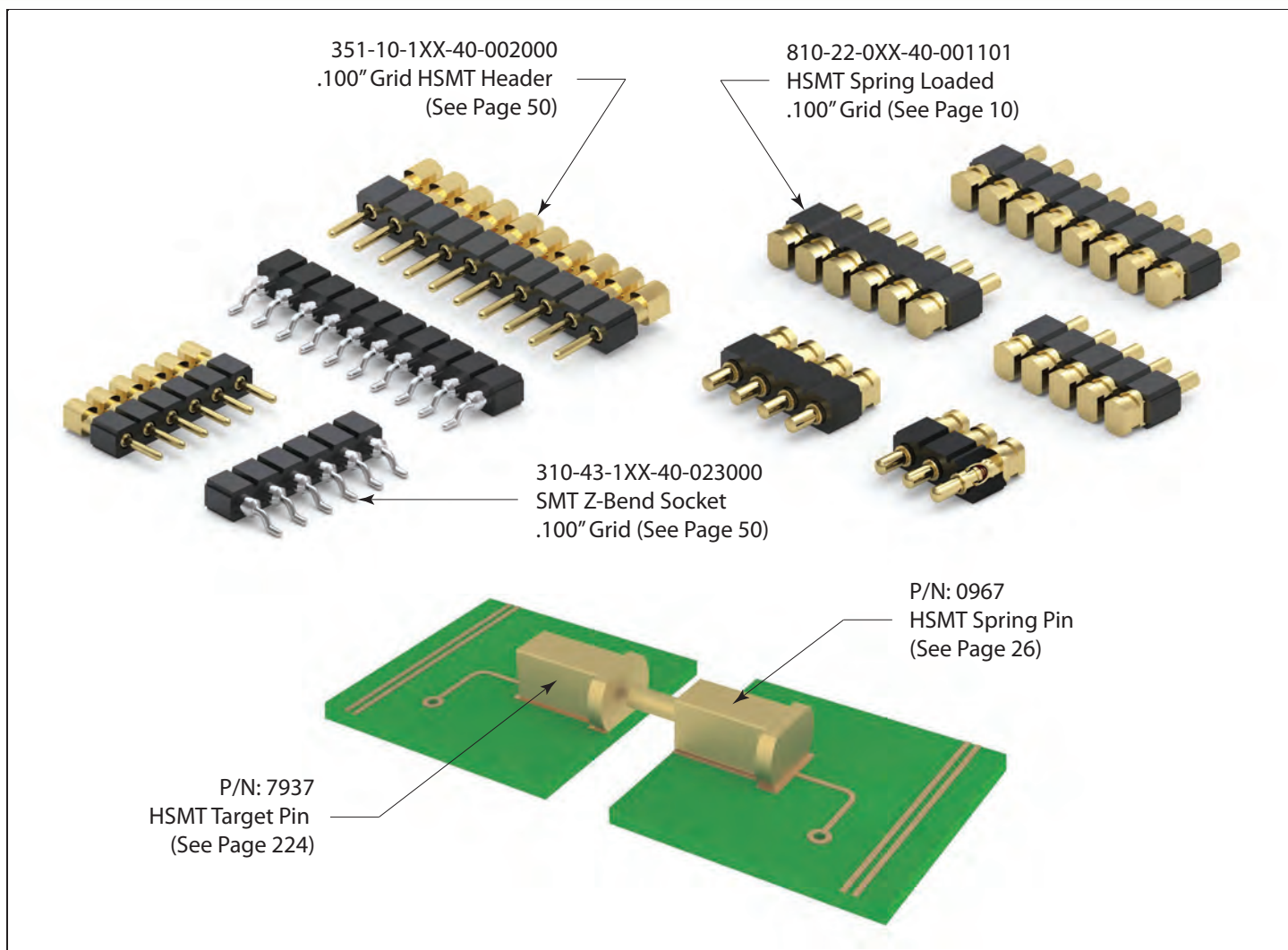
Mill-Max Mfg. offers a complete line of Horizontal Surface Mount products including headers and sockets on .050" (1,27mm) and .100" (2,54mm) grid, discrete spring-loaded and mating target pins and spring-loaded connector strips.

For low profile IO applications surface mount SIP sockets and headers strips are assembled parallel to the board surface. They are ideal for placement near the board edge for easy access test connections & creating pluggable adapter modules which can sit perpendicular to the motherboard (mated to a vertical connector), effectively conserving precious board real estate.



HORIZONTAL SMT PINS & CONNECTORS

VERSATILE CONNECTORS FOR HORIZONTAL & EDGE BOARD MATING APPLICATIONS

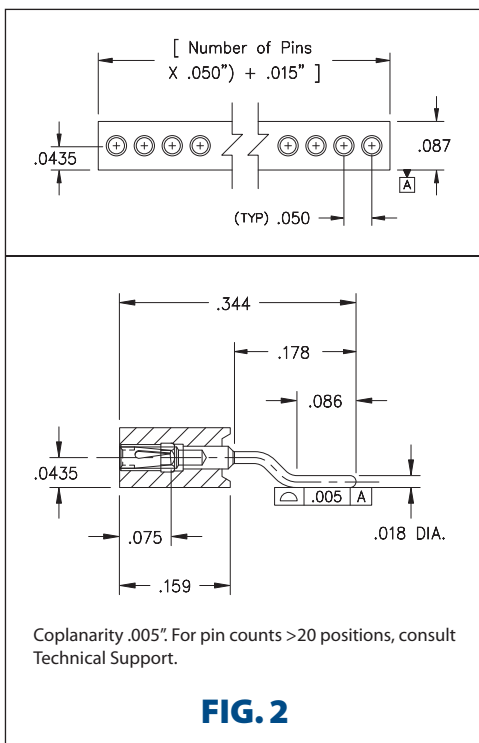
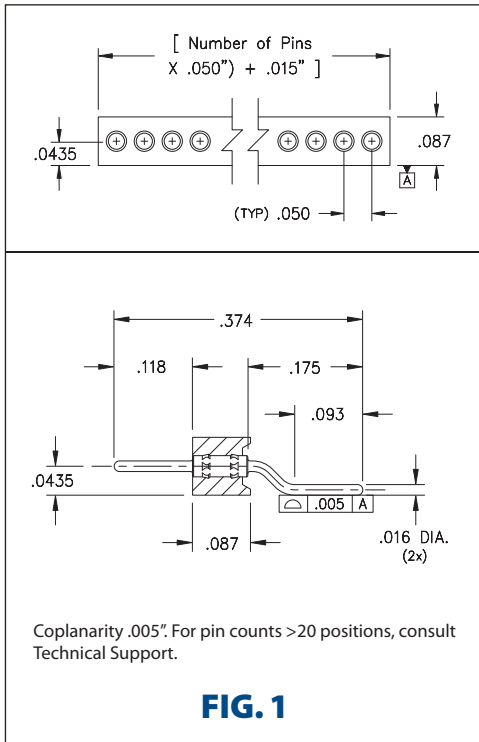


Mill-Max Mfg's #0967 (featured above) is a low profile, horizontal, surface mount spring pin designed for edge board interface applications: board-to-board or device-to-board. The #0967 mounts parallel to the P.C. board so that the plunger travel is horizontal to the board surface. The above board height of .100" (2,54mm) provides a low profile for tight packaging requirements. Typically mounted on the edge of the P.C. board, it can be mated with a board running perpendicular to it, or parallel P.C. boards can be daisy-chained together by using the Mill-Max Mfg. #7937 horizontal SMT target pin and #0967 on opposing boards.

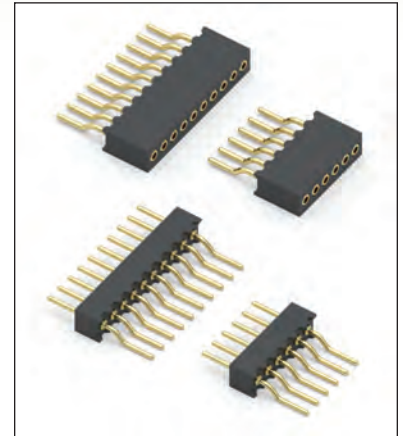


INTERCONNECTS

SERIES 850 & 851 • .050" GRID HORIZONTAL SURFACE MOUNT Z-BEND HEADERS & SOCKETS • SINGLE ROW STRIPS



- Series 850 horizontal surface mount headers have .016" dia. pluggable pins and Z-bend tails for SMT soldering to the P.C.B. (MM #4006-1). See page 208 for details
- Series 851 horizontal Surface Mount Z-Bend sockets uses MM #4890-1 receptacles that accept pin diameters from .015"-.020". See page 160 for details
- Receptacles use Hi-Rel, 3-finger BeCu #11 contact rated at 3 amps. See page 251 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 850...001 Single Row Surface Mount Z-Bend Header					
	850-10-0-40-001000 Specify number of pins 02-20					
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264						
SPECIFY PLATING CODE XX=		10				
Pin Plating 		10 μ" Au				

FIG. 2	Series 851...001 Single Row Surface Mount Z-Bend Socket					
	851-XX-0-40-001000 Specify number of pins 02-20					
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264						
SPECIFY PLATING CODE XX=		11	13			
Sleeve (Pin) 		10 μ" Au	10 μ" Au			
Contact (Clip) 		10 μ" Au	30 μ" Au			

INTERCONNECTS

SERIES 340 & 399 • .050" AND .100" GRID SURFACE MOUNT HEADERS & SOCKETS • SINGLE ROW STRIPS

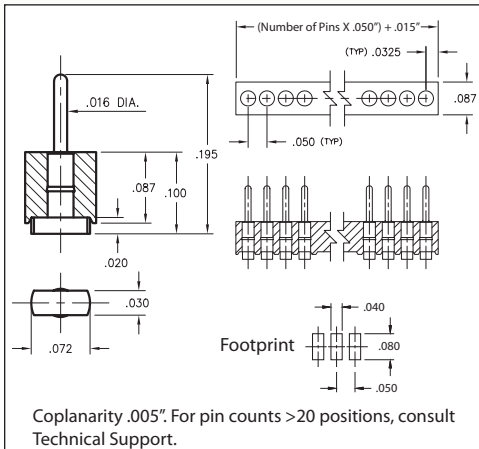


FIG. 1

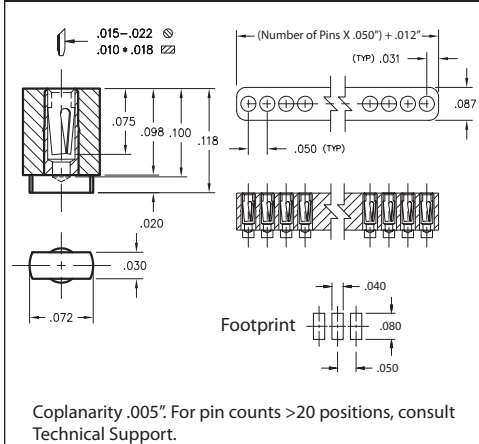


FIG. 2

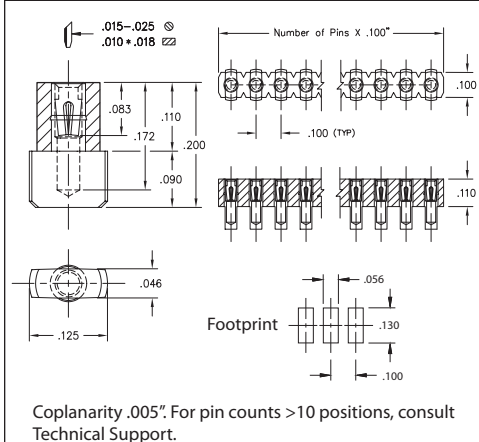


FIG. 3

- Series 340 and 399 interconnects are single row headers & sockets having unique surface mount "block" terminals
- "Block" termination makes the interconnects "self standing". This also minimizes profile and reduces the footprint compared with traditional "gullwing" designs
- Series 399 is a matched pair of .050" pitch sockets and headers with a mated height of only .218"
- Series 340 is a .100" pitch SIP socket using a Hi-Rel, 4-finger BeCu #30 contact rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering processes

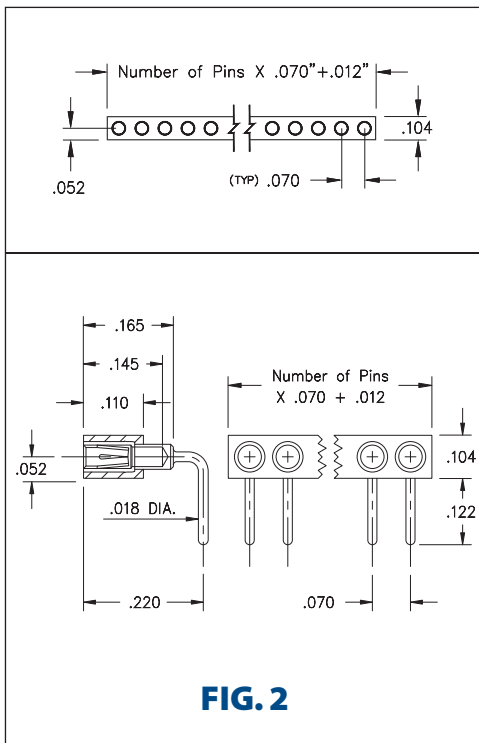
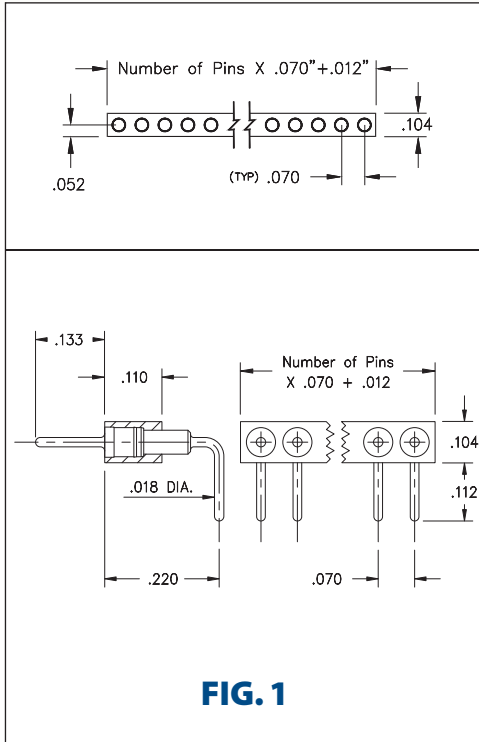


ORDERING INFORMATION

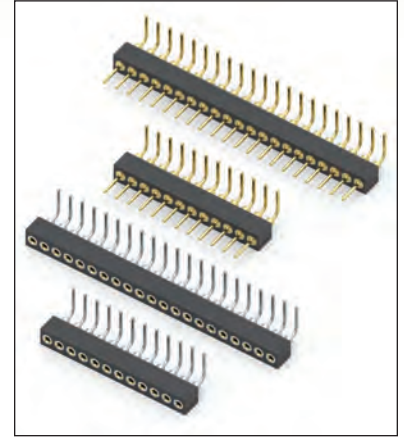
FIG. 1	Series 399...310 Single Row .050" Grid Header	
	399-10-0	-00-310000
	Specify number of pins	02-50
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating	10	10 μ " Au
FIG. 2	Series 399...300 Single Row .050" Grid Socket	
	399-XX-0	-21-300000
	Specify number of pins	02-50
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)		200 μ " Sn/Pb
Contact (Clip)		10 μ " Au
FIG. 3	Series 340...780 Single Row .100" Grid Socket	
	340-XX-1	-30-780100
	Specify number of pins	02-64
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)		200 μ " Sn/Pb
Contact (Clip)		100 μ " Sn/Pb

INTERCONNECTS

SERIES 870 & 871 • .070" GRID (.018" DIA.) PINS, RIGHT ANGLE HEADERS & SOCKETS • SINGLE ROW STRIPS



- Series 870 and 871 Interconnects feature space saving .070" pitch
- Series 870 uses MM #3790-0 pins. See page 209 for details
- Series 871 uses MM #1805 receptacles and accept pin diameters from .015" - .025". See page 169 for details
- Receptacles use Hi-Rel, 4-finger BeCu #30 contact rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 870...20-001		Right Angle Pin Header	
	870-10-0- -20-001000 Specify number of pins 02-21			
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264				
SPECIFY PLATING CODE XX=		10		
Pin Plating		10 μ" Au		

FIG. 2	Series 871...20-001		Right Angle Socket					
	871-XX-0-20-001000 Specify number of pins 02-21							
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264								
SPECIFY PLATING CODE XX=						41	43	
Sleeve (Pin)						200 μ" Sn	200 μ" Sn	
Contact (Clip)						10 μ" Au	30 μ" Au	



INTERCONNECTS

SERIES 830, 831, 832, 833 • 2mm GRID HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

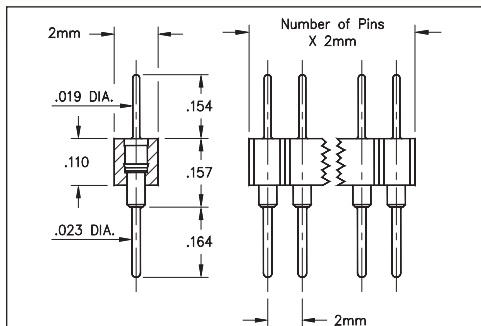


FIG. 1

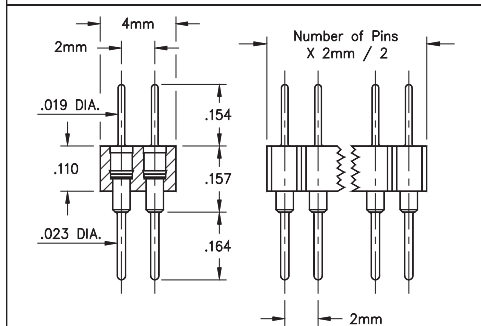


FIG. 2

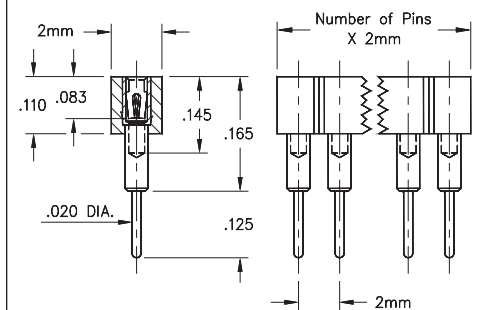


FIG. 3

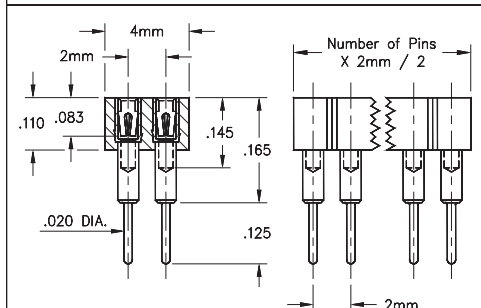
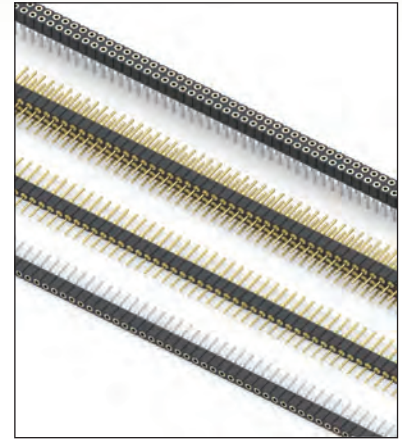


FIG. 4

- Series 830 single & double row interconnects have 2mm pin spacing and permit board stacking as low as .322"
- Pin headers (830 & 832 series) use MM #5012 pins. See page 208 for details
- Sockets (831 & 833 series) use MM #1802 receptacles and accept pin diameters from .015"-.025". See page 169 for details
- Contact is rated at 3 amps
- Insulators are high temperature thermoplastic, suitable for all soldering operations



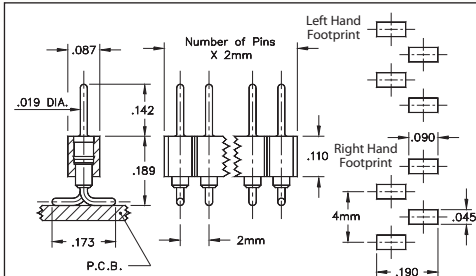
ORDERING INFORMATION

FIG. 1	Series 830...001	Single Row Pin Header			
	830-XX-0-10-001000 Specify number of pins 01-50				
FIG. 2	Series 832...001	Double Row Pin Header			
	832-XX--10-001000 Specify number of pins 004-100				
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264					
SPECIFY PLATING CODE XX=		10 	90	40 	
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 3	Series 831...001	Single Row Socket
	831-XX-0-10-001000 Specify number of pins 01-50	
FIG. 4	Series 833...001	Double Row Socket
	833-XX--10-001000 Specify number of pins 004-100	
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)		91 93 41 43 47
Contact (Clip)		

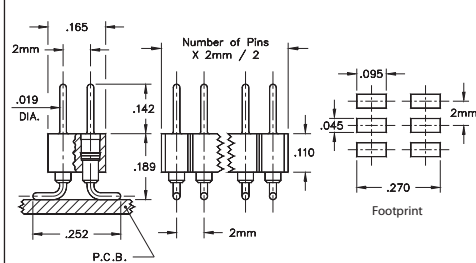
INTERCONNECTS

SERIES 830, 831, 832, 833 • 2mm GRID GULL WING SURFACE MOUNT HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS



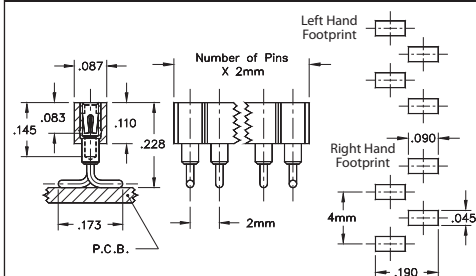
Coplanarity .005". For pin counts >12 positions, consult Technical Support.

FIG. 1



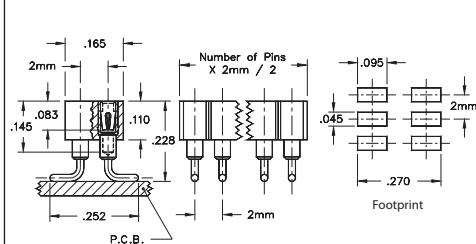
Coplanarity .005". For pin counts >24 positions, consult Technical Support.

FIG. 2



Coplanarity .005". For pin counts >12 positions, consult Technical Support.

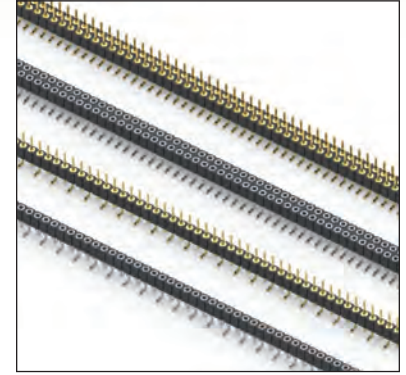
FIG. 3



Coplanarity .005". For pin counts >24 positions, consult Technical Support.

FIG. 4

- Headers (830 & 832) use MM #6218 pins. See page 208 for details
- Sockets (831 & 833) use MM #1802 receptacles and accept pin diameters from .015"-.025". See page 169 for details
- Coplanarity .005" (Single Row max 12 pins; Double Row max 24 pins) For higher pin counts, contact Technical Support
- Contact is rated at 3 amps
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1L	Single Row Header, Left Hand Footprint, Odd or Even # of pins				
	830-XX-0-30-001000 Specify number of pins 02-50				
FIG. 1R	Single Row Header, Right Hand Footprint, Even # of pins				
	830-XX-0-30-002000 Specify number of pins 02-50				
FIG. 2	Double Row Header, Even # of pins				
	832-XX-30-001000 Specify number of pins 004-100				
SPECIFY PLATING CODE XX=		10	90	40	
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	
FIG. 3L	Single Row Socket, Left Hand Footprint, Odd or Even # of pins				
	831-XX-0-30-001000 Specify number of pins 02-50				
FIG. 3R	Single Row Socket, Right Hand Footprint, Even # of pins				
	831-XX-0-30-002000 Specify number of pins 02-50				
FIG. 4	Double Row Socket, Even # of pins				
	833-XX-30-001000 Specify number of pins 004-100				
 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 830, 831, 832, 833 • 2mm GRID RIGHT ANGLE HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

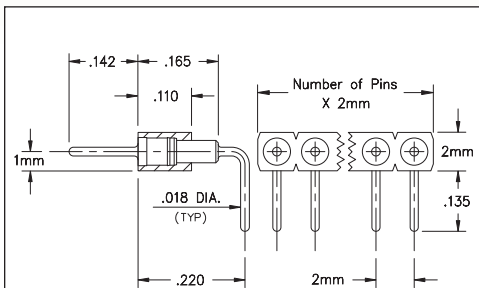


FIG. 1

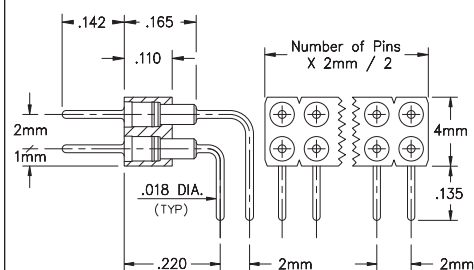


FIG. 2

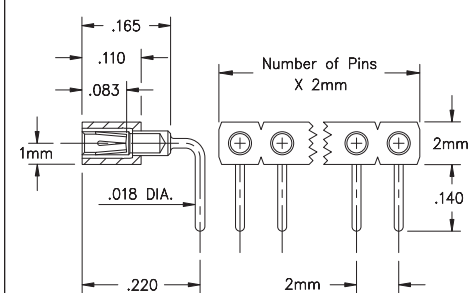


FIG. 3

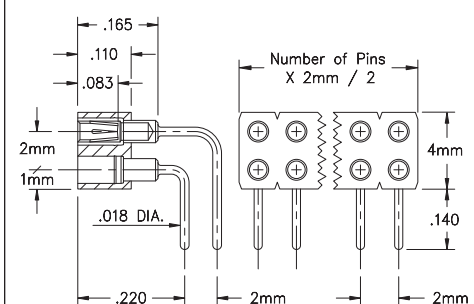
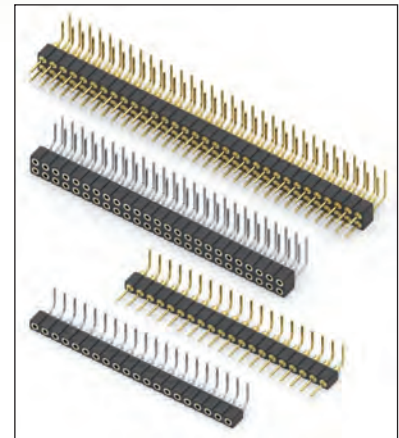


FIG. 4

- Series 830 & 832 use MM #3790 & MM #3796 pins. See page 209 for details
- Series 831 & 833 use MM #1805 and MM #3805 receptacles and accept pin diameters from .015"-.025". See page 169 for details
- Receptacles use Hi-Rel, Low force, 6-finger BeCu #32 contact rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 830...001 Single Row Right Angle Header	
	830-10-0	-20-001000
	Specify number of pins	01-50
FIG. 2	Series 832...001 Double Row Right Angle Header	
	832-10-	-20-001000
	Specify number of pins	002-100
RoHS -2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating 		

FIG. 3	Series 831...001 Single Row Right Angle Socket	
	831-XX-0	-20-001000
	Specify number of pins	01-50
FIG. 4	Series 833...001 Double Row Right Angle Socket	
	833-43-	-20-001000
	Specify number of pins	002-100
RoHS -2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin) 		
Contact (Clip) 		

INTERCONNECTS

SERIES 832 & 833 • 2mm GRID (.020" DIA. PINS), SHROUDED STRAIGHT, SURFACE MOUNT & RIGHT ANGLE • DOUBLE ROW STRIPS

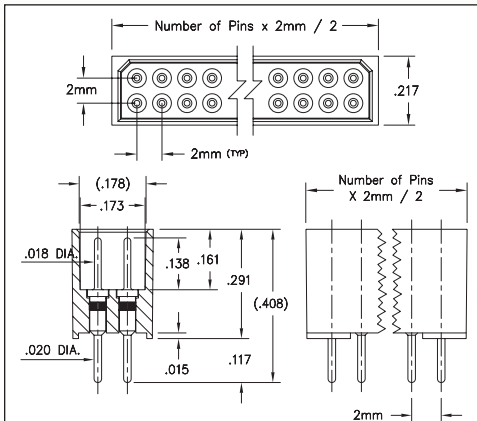


FIG. 1

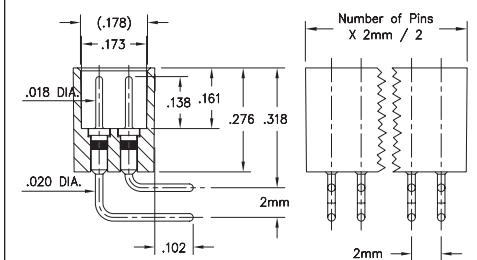


FIG. 2

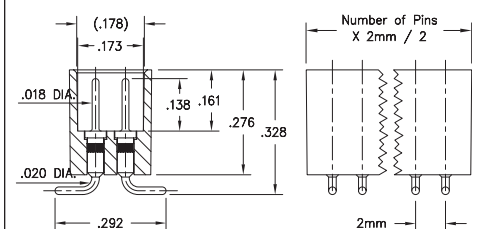


FIG. 3

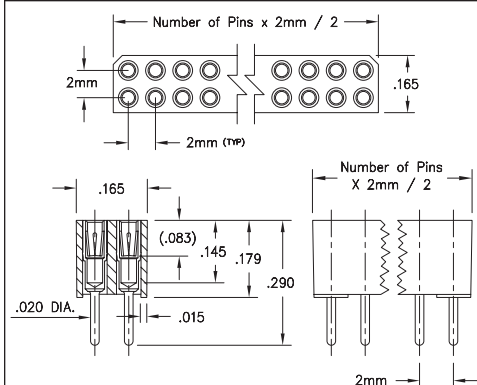
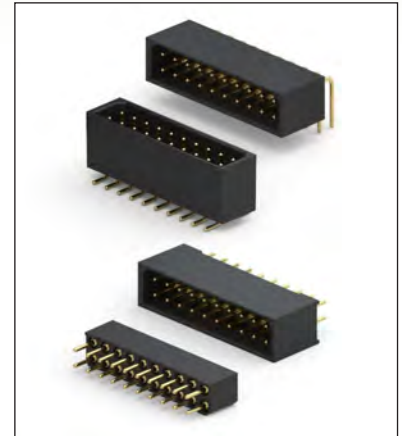


FIG. 4

- Shrouded pin interconnects available with straight Series 832...10-052 or surface mount 832...30-052 and use MM #3143 pins. Series 832...20-052 right angle interconnects use MM #3160 and #3161 pins. See page 214 for details
- Series 833...10-002 with keying features use MM #1802 and accept pin diameters from .015"-.025". See page 169 for details
- Receptacles use Hi-Rel, Low force, 4-finger BeCu #30 contact rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

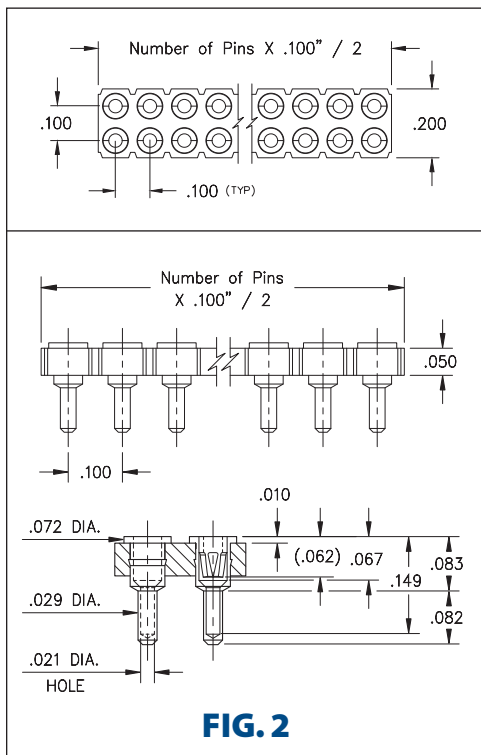
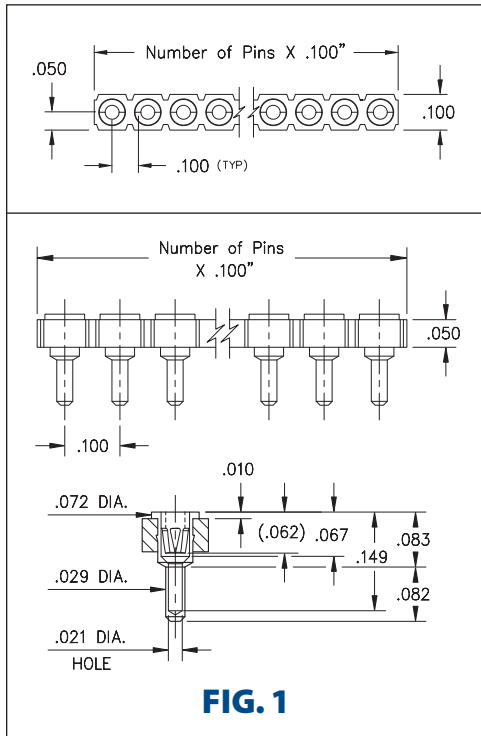
FIG. 1	Series 832...10-052 Straight Pin Header	
	832-10-	-10-052000
	Specify number of pins	004-100
FIG. 2	Series 832...20-052 Right Angle Pin Header	
	832-10-	-20-052000
	Specify number of pins	004-100
FIG. 3	Series 832...30-052 Surface Mount Pin Header	
	832-10-	-30-052000
	Specify number of pins	004-100
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating 		
	10 	
	10 μ" Au	

FIG. 4	Series 833...10-002 Double Row Keying Socket	
	833-13-	-10-002000
	Specify number of pins	004-100
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin) 		
	13 	
	10 μ" Au	
Contact (Clip) 		
	30 μ" Au	

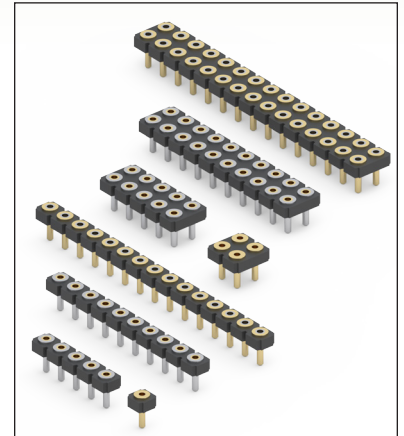


INTERCONNECTS

SERIES 315 & 415 • .100" GRID, SUPER LOW PROFILE SOCKETS • SINGLE AND DOUBLE ROW STRIPS



- Series 315 and 415 solder mount sockets use MM #0512 receptacles that accept pin diameters from .015"-.022". See pages 161 for details
- Hi-Rel, 4-finger BeCu #12 contact is rated at 3 amps. See page 252 for details
- .083" Super low profile above the board utilizes .050" thick insulators
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 315...004	Single Row Socket																								
	315-XX-1-41-004000 Specify number of pins 01-32																									
FIG. 2	Series 415...004	Double Row Socket																								
	415-XX-2-41-004000 Specify number of pins 04-72																									
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264 <table><tr><td>SPECIFY PLATING CODE XX=</td><td>13</td><td></td><td>93</td><td></td><td>43</td><td>44</td><td>47</td></tr><tr><td>Sleeve (Pin)</td><td>10 μ" Au</td><td></td><td>200 μ" Sn/Pb</td><td></td><td>200 μ" Sn</td><td>200 μ" Sn</td><td>200 μ" Sn</td></tr><tr><td>Contact (Clip)</td><td>30 μ" Au</td><td></td><td>30 μ" Au</td><td></td><td>30 μ" Au</td><td>100 μ" Sn</td><td>Au Flash</td></tr></table>			SPECIFY PLATING CODE XX=	13		93		43	44	47	Sleeve (Pin)	10 μ" Au		200 μ" Sn/Pb		200 μ" Sn	200 μ" Sn	200 μ" Sn	Contact (Clip)	30 μ" Au		30 μ" Au		30 μ" Au	100 μ" Sn	Au Flash
SPECIFY PLATING CODE XX=	13		93		43	44	47																			
Sleeve (Pin)	10 μ" Au		200 μ" Sn/Pb		200 μ" Sn	200 μ" Sn	200 μ" Sn																			
Contact (Clip)	30 μ" Au		30 μ" Au		30 μ" Au	100 μ" Sn	Au Flash																			

INTERCONNECTS

SERIES 301, 310, 350, 399 • .100" GRID (.018" DIA.) PINS, STRAIGHT AND RIGHT ANGLE • SINGLE ROW STRIPS

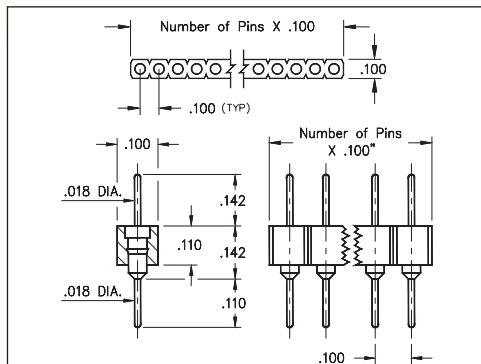


FIG. 1

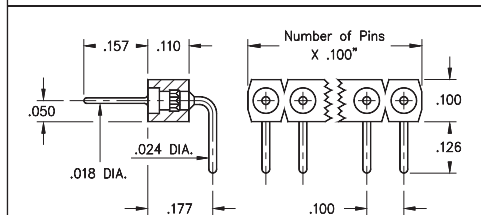


FIG. 2

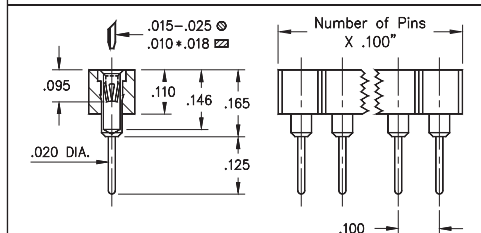


FIG. 3

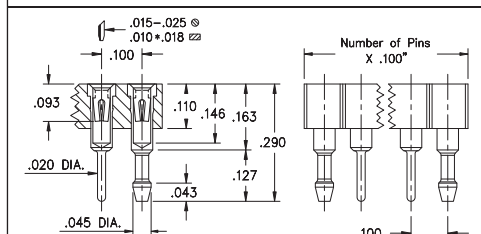


FIG. 4

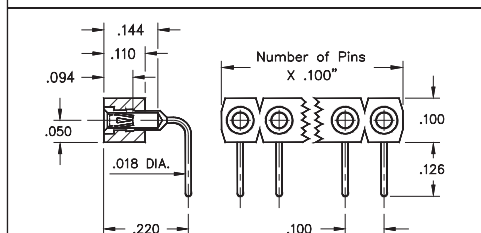
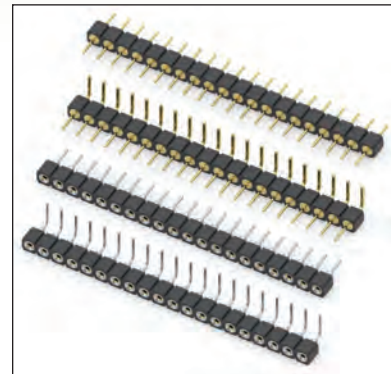


FIG. 5

- Series 3XX are available with straight and right angle solder tails
- Series 350 & 399...009 use MM #3404 and #5011 pins. See pages 212 & 214 for details
- Series 301, 310 & 399...003 use MM #0156, #1001 & #1103 receptacles. See pages 165 and 166 for details
- Receptacles use Hi-Rel, 4-finger #30 BeCu contact rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 350...006		Straight Pin Header																												
	350-XX-1-00-006000 Specify number of pins 01-64																														
FIG. 2	Series 399...009		Right Angle Pin Header																												
	399-XX-1-10-009000 Specify number of pins 02-64																														
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264																															
SPECIFY PLATING CODE XX=																															
<table><tr><td>10</td><td>90</td><td>40</td><td></td></tr><tr><td>Pin Plating </td><td>10 μ" Au</td><td>200 μ" Sn/Pb</td><td>200 μ" Sn</td></tr></table>					10	90	40		Pin Plating 	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn																			
10	90	40																													
Pin Plating 	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn																												
FIG. 3	Series 310...001		Solder Tail Socket																												
	310-XX-1-41-001000 Specify number of pins 01-64																														
FIG. 4	Series 301...056		Socket with Retention Pins																												
	301-43-1-41-560000 Specify number of pins 03-64																														
FIG. 5	Series 399...003		Right Angle Socket																												
	399-XX-1-10-003000 Specify number of pins 02-64																														
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264																															
SPECIFY PLATING CODE XX=																															
<table><tr><td>11</td><td>13</td><td>91</td><td>93</td><td>99</td><td>41</td><td>43</td><td>44</td><td>47</td></tr><tr><td>Sleeve (Pin) </td><td>10 μ" Au</td><td>10 μ" Au</td><td>200 μ" Sn/Pb</td><td>200 μ" Sn/Pb</td><td>200 μ" Sn/Pb</td><td>200 μ" Sn</td><td>200 μ" Sn</td><td>200 μ" Sn</td></tr><tr><td>Contact (Clip) </td><td>10 μ" Au</td><td>30 μ" Au</td><td>10 μ" Au</td><td>30 μ" Au</td><td>100 μ" Sn/Pb</td><td>10 μ" Au</td><td>30 μ" Au</td><td>100 μ" Sn</td></tr></table>					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	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
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																							
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																							

★ 41, 91 & 99 Platings Non-Standard



INTERCONNECTS

SERIES 410, 450, 499 • .100" GRID (.018" DIA.) PINS, STRAIGHT AND RIGHT ANGLE • DOUBLE ROW STRIPS

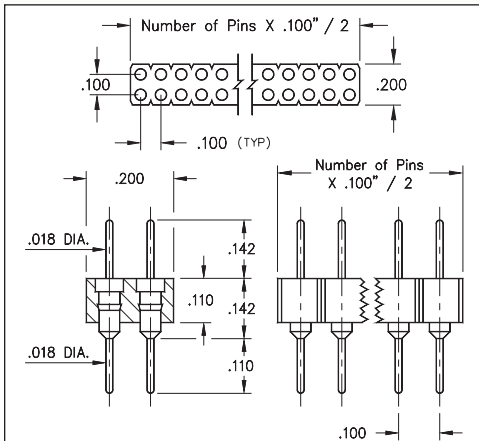


FIG. 1

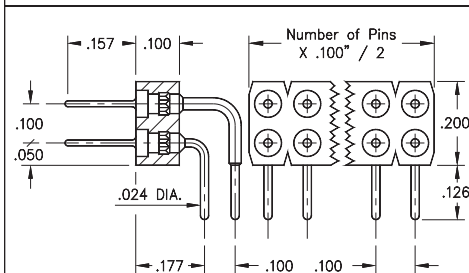


FIG. 2

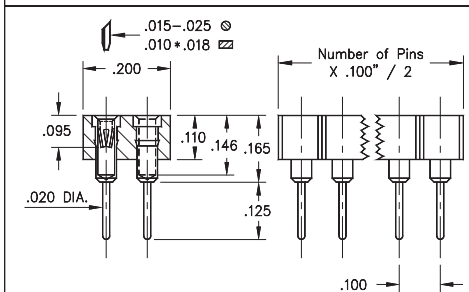


FIG. 3

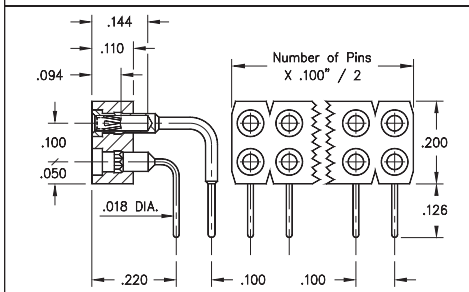
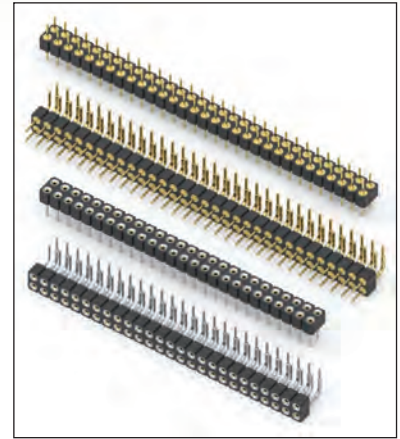


FIG. 4

- Series 4XX are available with straight and right angle solder tails
- Series 450 & 499...009 use MM #3404 and #5011/5113 pins. See pages 212 and 214 for details
- Series 410 & 499...003 use MM #1001 and #1103/1602 receptacles. See pages 165, 166 and 167 for details
- Receptacles use Hi-Rel, 4-finger #30 BeCu contact rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



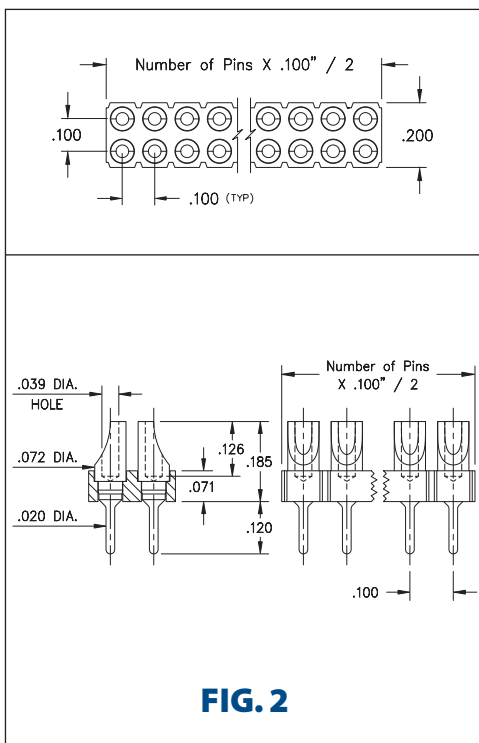
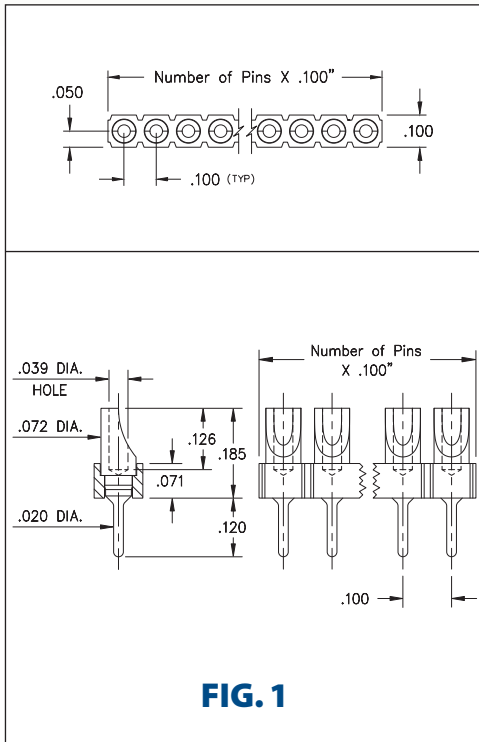
ORDERING INFORMATION

FIG. 1	Series 450...006	Straight Pin Header			
	450-XX-2 -00-006000 Specify number of pins 04-64				
FIG. 2	Series 499...009	Right Angle Pin Header			
	499-10-2 -10-009000 Specify number of pins 02-64				
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264					
SPECIFY PLATING CODE XX=		10 	90	40 	
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

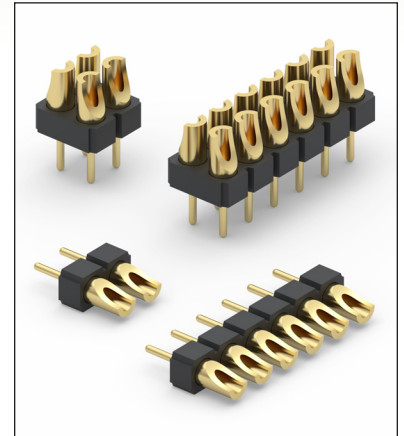
FIG. 3	Series 410...001	Solder Tail Socket					
	410-XX-2 -41-001000 Specify number of pins 04-64						
FIG. 4	Series 499...003	Right Angle Socket					
	499-XX-2 -10-003000 Specify number of pins 02-64						
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264							
SPECIFY PLATING CODE XX=							
Sleeve (Pin)	11	13	91	93	41	43	
Contact (Clip)							

INTERCONNECTS

SERIES 380 & 480 • .100" GRID LOW PROFILE SOLDER CUP HEADERS SINGLE AND DOUBLE ROW STRIPS



- Series 380 & 480 solder cup headers for low profile wire termination applications
- .020" diameter pins are suitable for mating with standard sockets or for through-hole soldering to the P.C.B.
- Solder cups are uniformly aligned to facilitate efficient soldering
- Accepts up to 22 AWG Stranded wire
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

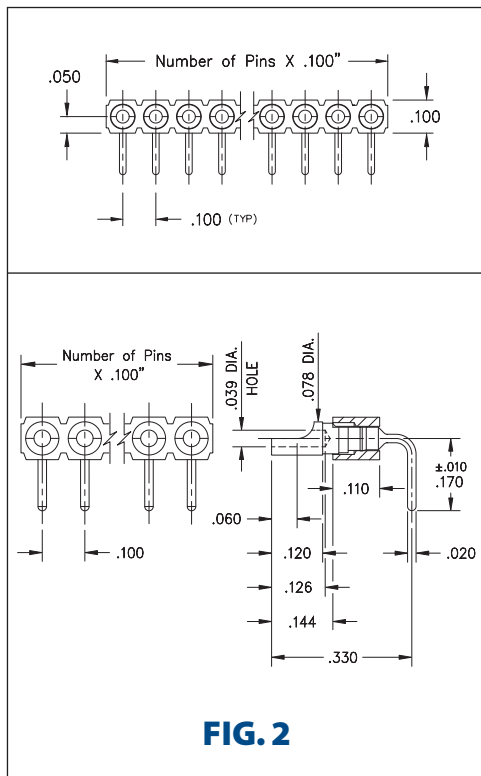
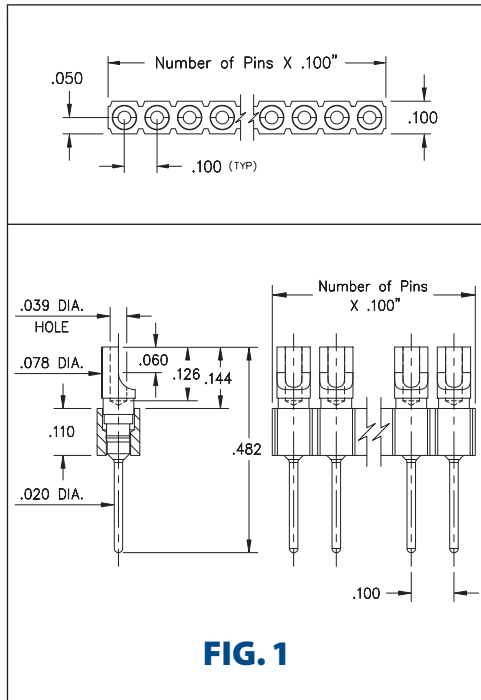
FIG. 1	Series 380...002	Single Row Solder Cup Header		
	380-10-0-00-002000 Specify number of pins 01-64			
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264				
SPECIFY PLATING CODE XX=		10		
Pin Plating		10 μ" Au		

FIG. 2	Series 480...002		Double Row Solder Cup Header	
	480-XX-0-00-002000 Specify number of pins 02-72			
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=		10		
Pin Plating 		10 μ" Au		



INTERCONNECTS

SERIES 380 • .100" GRID, LOW PROFILE ANTI-ROTATION STRAIGHT & RIGHT ANGLE SOLDER CUP HEADERS • SINGLE ROW STRIPS



- Series 380 straight and right angle solder cup headers for low profile wire termination applications
- .020" diameter pins are suitable for mating with standard sockets or for through-hole soldering to the P.C.B.
- Solder cups are uniformly aligned to facilitate efficient soldering with anti-rotation boss
- Accepts up to 22 AWG Stranded wire
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 380...003		Single Row Solder Cup Header	
	380-XX-1-00-003000 Specify number of pins 01-64			
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=		10 	90	40 
Pin Plating 	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 2	Series 380...003		Single Row R/A Solder Cup Header		
	380-XX-1-10-003000 Specify number of pins 01-64				
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264					
SPECIFY PLATING CODE XX=		10		40	
Pin Plating 		10 μ" Au		200 μ" Sn	



INTERCONNECTS

SERIES 329, 340, 406, 414, 429 • .100" GRID SURFACE MOUNT HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

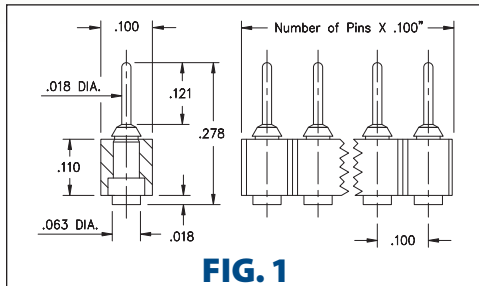


FIG. 1

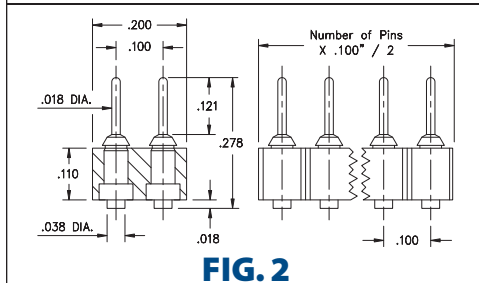


FIG. 2

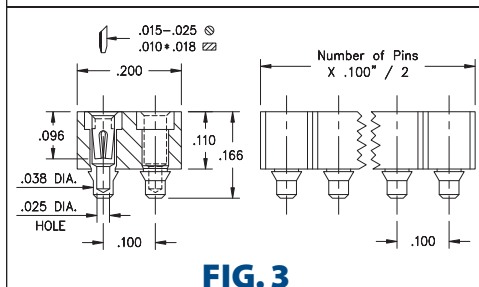


FIG. 3

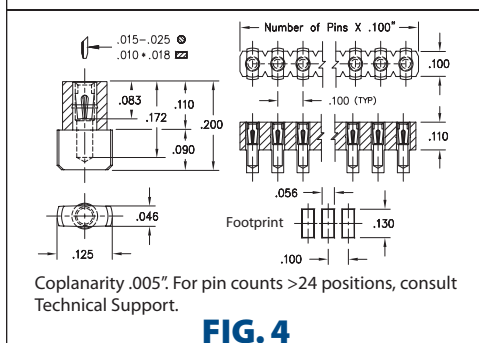


FIG. 4

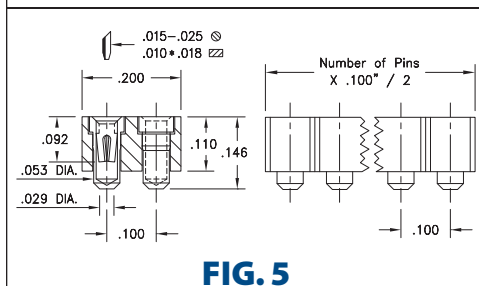
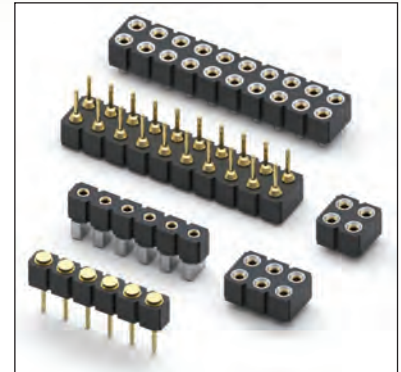


FIG. 5

- Series 329 and 429 pin interconnects feature space saving, pad style SMT termination using MM #2956-X pins. See page 218 for details
- Series 429 and 414 combine for a mated height of .323"
- Series 340, 406 and 414 surface mount sockets use MM #4078, #0668 and #1434 receptacles. See pages 162, 164 and 167 for details
- Series 340, 406 and 414 receptacles use Hi-Rel, 4-finger BeCu #30 contacts rated at 3 amps. Receptacles accept .015"-.025" diameter pins. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations

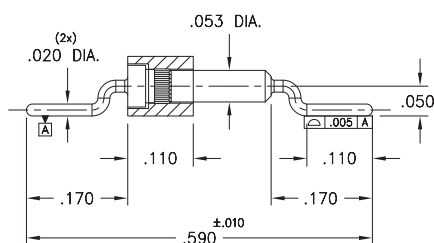
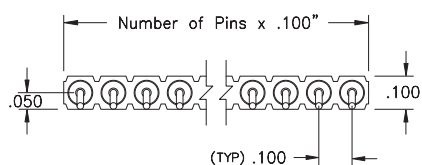


ORDERING INFORMATION

FIG. 1	Series 329...560 Single Row Surface Mount Pin Header							
	329-10-1 -00-560000 Specify number of pins 02-64							
FIG. 2	Series 429...560 Double Row Surface Mount Pin Header							
	429-10-2 -00-560000 Specify number of pins 04-72							
SPECIFY PLATING CODE XX=		10 						
Pin Plating 		10 μ" Au						
FIG. 3	Series 414...117 Double Row Surface Mount Socket							
	414-XX-2 -41-117000 Specify number of pins 04-72							
FIG. 4	Series 340...780 Single Row Surface Mount Socket							
	340-XX-1 -30-780100 Specify number of pins 02-64							
FIG. 5	Series 406...068 Double Row Surface Mount Socket							
	406-43-2 -30-068000 Specify number of pins 04-20							
	Tape and Reel Packaging							
	Ordering Information: 406-43-2XX-30-068001 Available on 44mm wide tape, 355 parts per 13" reel ←							
 XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264								
SPECIFY PLATING CODE XX=					99	41 	43 	44 
Sleeve (Pin) 					200 μ"Sn/Pb	200 μ"Sn	200 μ"Sn	200 μ"Sn
Contact (Clip) 					100 μ"Sn/Pb	10 μ" Au	30 μ" Au	100 μ"Sn

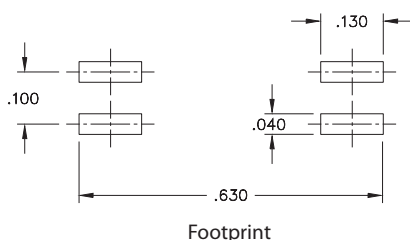


**SERIES 339 • .100" GRID HORIZONTAL SURFACE MOUNT JUMPER •
SINGLE ROW STRIPS**

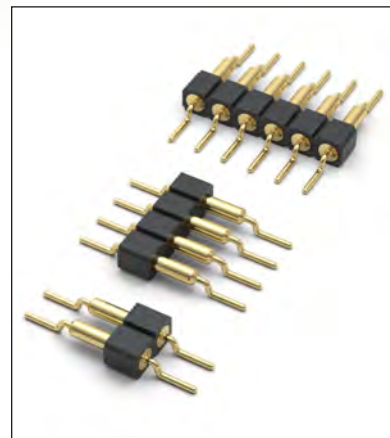


Coplanarity .005". For pin counts >10 positions, consult Technical Support.

FIG. 1



- Series 339 single row Horizontal surface mount jumpers on .100" grid centers
- Series 339 use MM #3900 pins. See page 214 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- Ideal for daisy chaining parallel boards



ORDERING INFORMATION

FIG. 1	Series 339...000		Single Row Surface Mount Jumper											
	339-XX-1- -40-000000 Specify number of pins 02-10													
 RoHS - 2 2011/65/EU  XX=Plating Code See Below <i>For Electrical, Mechanical & Enviromental Data, See page 264</i> <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="width: 30%;">SPECIFY PLATING CODE XX=</th> <th style="width: 20%;">10 ◆</th> <th style="width: 20%;"></th> <th style="width: 20%;">40 ◆</th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td>Pin Plating </td> <td>10 μ" Au</td> <td></td> <td>200 μ" Sn</td> <td></td> </tr> </tbody> </table>					SPECIFY PLATING CODE XX=	10 ◆		40 ◆		Pin Plating 	10 μ" Au		200 μ" Sn	
SPECIFY PLATING CODE XX=	10 ◆		40 ◆											
Pin Plating 	10 μ" Au		200 μ" Sn											

INTERCONNECTS

SERIES 310, 350, 410, 450 • .100" GRID (.018" DIA. PINS), SMT GULL WING HEADERS & SOCKETS • SINGLE AND DOUBLE ROW STRIPS

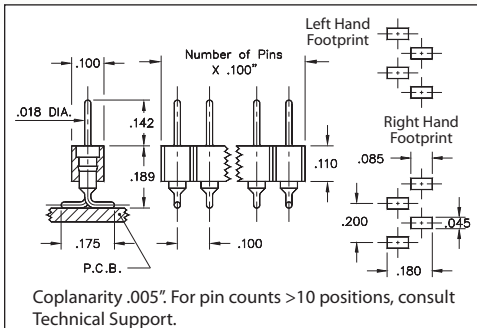


FIG. 1

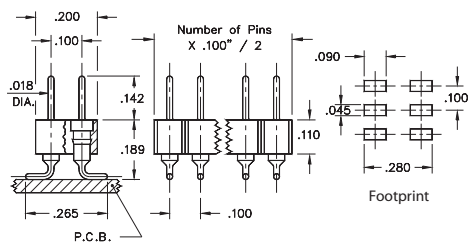


FIG. 2

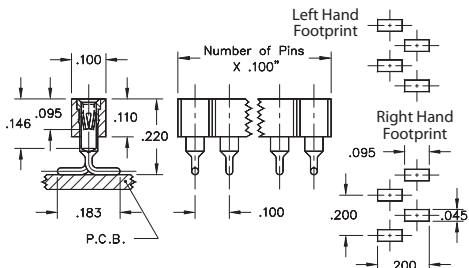


FIG. 3

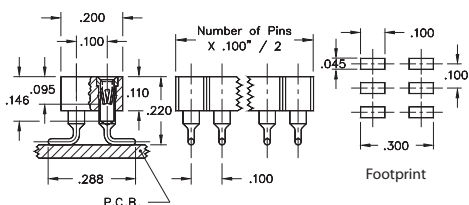
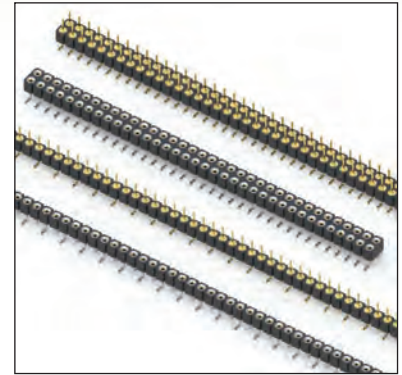


FIG. 4

- Headers (350 & 450) use MM #3404 pins. See page 212 for details
- Sockets (310 & 410) use MM #1005 receptacles and accept pin diameters from .015"-.025". See page 166 for details
- Contact is rated at 3 amps
- Coplanarity .005" (single row max. 10 pins; double row max. 20 pins). For higher pin counts, contact Technical Support
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1L	Single Row Header, Left Hand Footprint, Odd or Even # of pins			
	350-XX-1	-00-106000	Specify number of pins	02-64
FIG. 1R	Single Row Header, Right Hand Footprint, Even # of pins			
	350-XX-1	-00-107000	Specify number of pins	02-64
FIG. 2	Double Row Header, Even # of pins			
	450-XX-2	-00-106000	Specify number of pins	04-72
SPECIFY PLATING CODE XX=				
Pin Plating 				
	10 	90	40 	
	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	
FIG. 3L	Single Row Socket, Left Hand Footprint, Odd or Even # of pins			
	310-XX-1	-41-105000	Specify number of pins	02-64
FIG. 3R	Single Row Socket, Right Hand Footprint, Even # of pins			
	310-XX-1	-41-107000	Specify number of pins	02-64
FIG. 4	Double Row Socket, Even # of pins			
	410-XX-2	-41-105000	Specify number of pins	04-72
 XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=				
Sleeve (Pin) 		91	93	41  43 
Contact (Clip) 		10 μ" Au	30 μ" Au	10 μ" Au 30 μ" Au

INTERCONNECTS

SERIES 350, 450, 801, 803 • .100" GRID (.025" DIA. PINS), LOW PROFILE HEADERS & VERSATILE SOCKETS • SINGLE & DOUBLE ROW STRIPS

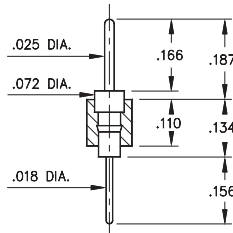


FIG. 1

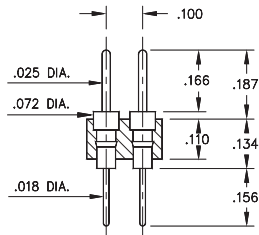


FIG. 2

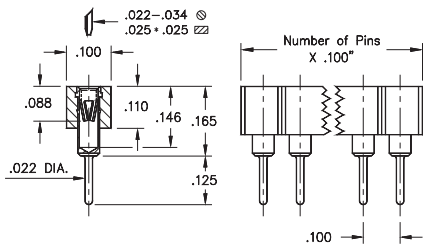


FIG. 3

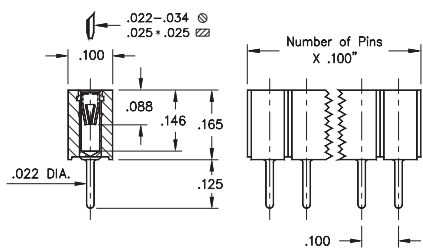


FIG. 4

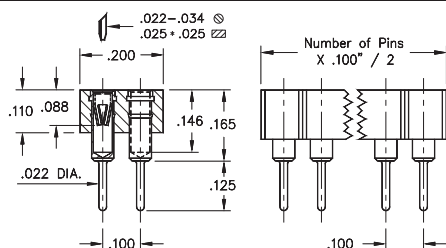
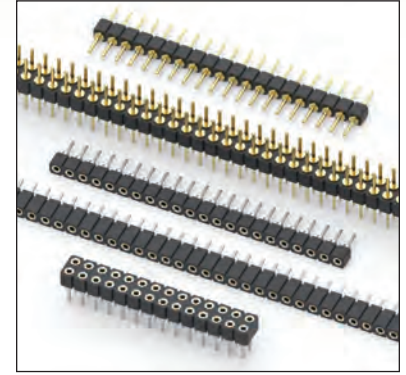


FIG. 5

- Series 350 and 450 single and double row pin headers use MM #0290 pins. See page 215 for details
- Series 801 and 803 single and double row low profile sockets use MM #1303 receptacles. See page 180 for details
- Series 801 and 803 receptacles use Hi-Rel, 6-finger BeCu #16 contact rated at 4.5 amps. Receptacles accept .025" diameter and .025" square pins. See page 256 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 350...001 Single Row .025" Pin / .018" Solder Tail				
	350-XX-1 -00-001000 Specify number of pins 01-64				
FIG. 2	Series 450...001 Double Row .025" Pin / .018" Solder Tail				
	450-XX-2 -00-001000 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=		10	90	40	
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 3	Series 801...003 Low Profile Socket (short insulator)					
	801-XX-0 -10-003000 Specify number of pins 01-64					
FIG. 4	Series 801...013 Low Profile Socket (long insulator)					
	801-XX-0 -10-013000 Specify number of pins 01-36					
FIG. 5	Series 803...003 Double Row Low Profile Socket					
	803-XX-0 -10-003000 Specify number of pins 04-72					
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264						
SPECIFY PLATING CODE XX=					41	43
Sleeve (Pin) 					200 μ" Sn	200 μ" Sn
Contact (Clip) 					10 μ" Au	30 μ" Au



INTERCONNECTS

SERIES 800, 801, 802, 803 • .100" GRID (.030" DIA. PINS), LOW PROFILE HEADERS & VERSATILE SOCKETS • SINGLE & DOUBLE ROW STRIPS

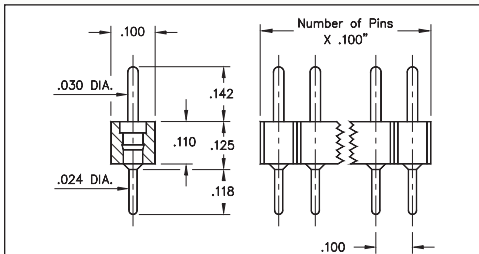


FIG. 1

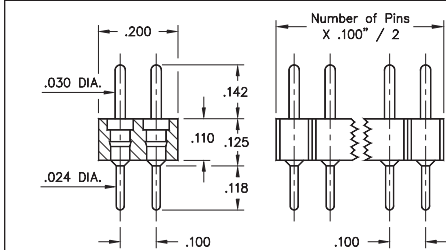


FIG. 2

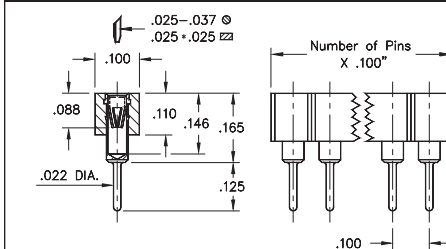


FIG. 3

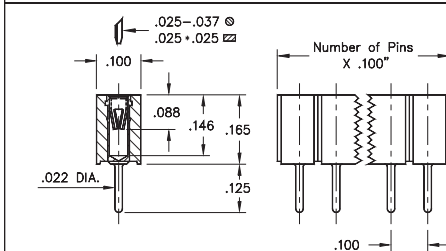


FIG. 4

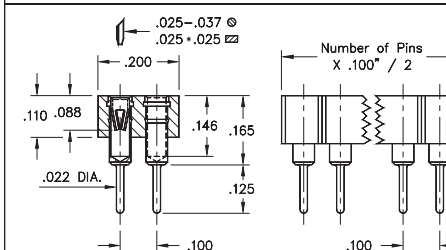
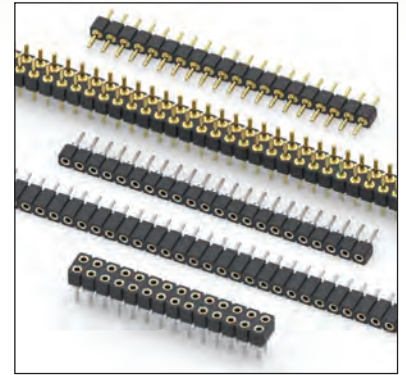


FIG. 5

- Series 800 and 802 single and double row pin headers use MM #5016 pins. See page 215 for details
- Series 801 and 803 single and double row sockets use MM #1303 receptacles. See page 180 for details
- Series 801 and 803 receptacles use Hi-Rel, 6-finger BeCu #47 contact rated at 4.5 amps. Receptacles accept .030" diameter and .025" square pins. See page 256 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 800...002		Single Row Low Profile Pin Header			
	800-XX-0		-10-002000			
Specify number of pins		01-64				
FIG. 2	Series 802...002		Double Row Low Profile Pin Header			
	802-XX-0		-10-002000			
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=		10	90	40		
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn		

FIG. 3	Series 801...002		Low Profile Socket (short insulator)					
	801-XX-0		-10-002000					
Specify number of pins		01-64						
FIG. 4	Series 801...012		Low Profile Socket (long insulator)					
	801-XX-0		-10-012000					
Specify number of pins		01-36						
FIG. 5	Series 803...002		Double Row Low Profile Socket					
	803-XX-0		-10-002000					
Specify number of pins		04-72						
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264								
SPECIFY PLATING CODE XX=			91	93	99	41	43	47
Sleeve (Pin) 			200 μ" Sn/Pb	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	100 μ" Sn/Pb	10 μ" Au	30 μ" Au	Au Flash



INTERCONNECTS

SERIES 800 & 801 • .100" GRID (.030" DIA. PINS), STRAIGHT & RIGHT ANGLE HEADERS AND SOCKETS • SINGLE ROW STRIPS

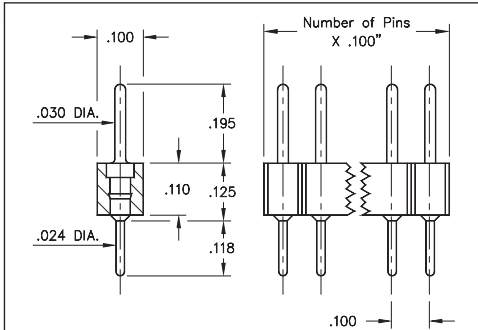


FIG. 1

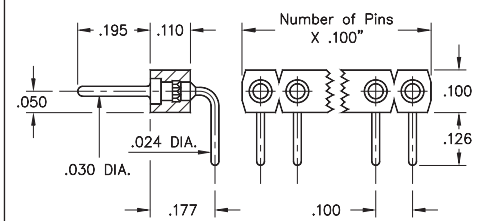


FIG. 2

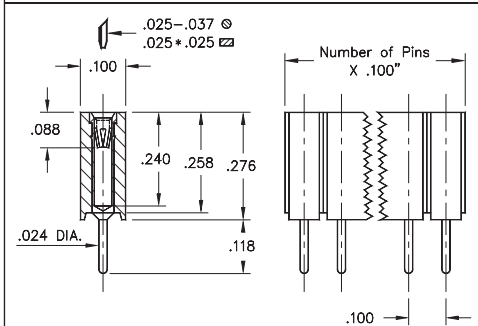


FIG. 3

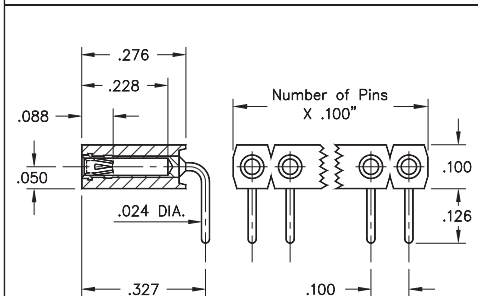
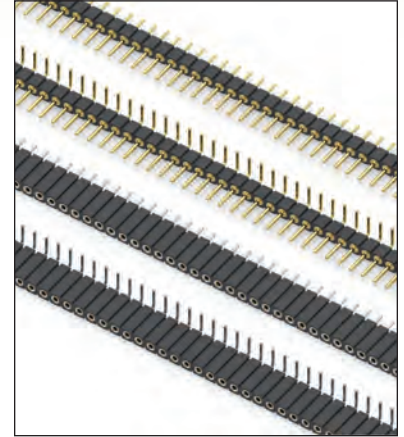


FIG. 4

- Pin interconnects available with straight MM #7007 or right angle MM #5005 solder tails. See page 215 for details
- Sockets are available with straight MM #1304 or right angle MM #1305 soldertails. See pages 177 and 179 for details
- MM #1304 and MM #1305 receptacles use Hi-Rel, 6-finger BeCu #47 contact rated at 4.5 amps. Receptacles accept .030" diameter and .025" square pins. See page 256 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 800...10-001	Straight Pin Header		
	800-XX-0	-10-001000		
	Specify number of pins	01-64		
FIG. 2	Series 800...20-001	Right Angle Pin Header		
	800-XX-0	-20-001000		
	Specify number of pins	02-64		
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=		10 	90	40 
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn

FIG. 3	Series 801...10-001	Straight Socket						
	801-XX-0-10-001000 Specify number of pins 01-50							
FIG. 4	Series 801...20-001	Right Angle Socket						
	801-XX-0-20-001000 Specify number of pins 01-50							
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264								
SPECIFY PLATING CODE XX=		91	93	99	41	43	44	47
Sleeve (Pin)		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	100 μ" Sn/Pb	10 μ" Au	30 μ" Au	100 μ" Sn	Au Flash

★ 44 Plating Non-Standard



INTERCONNECTS

SERIES 802 & 803 • .100" GRID (.030" DIA. PINS), STRAIGHT & RIGHT ANGLE HEADERS AND SOCKETS • DOUBLE ROW STRIPS

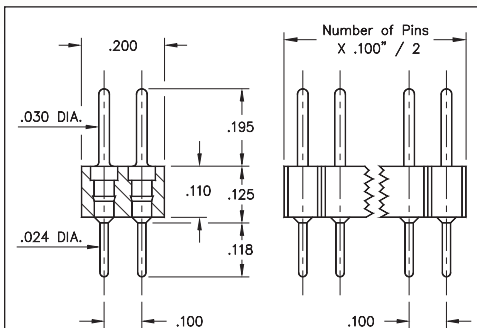


FIG. 1

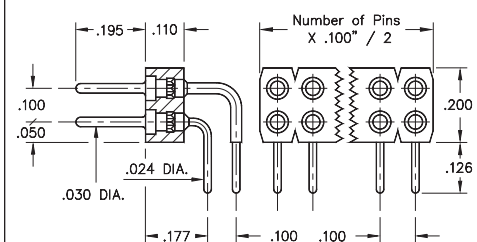


FIG. 2

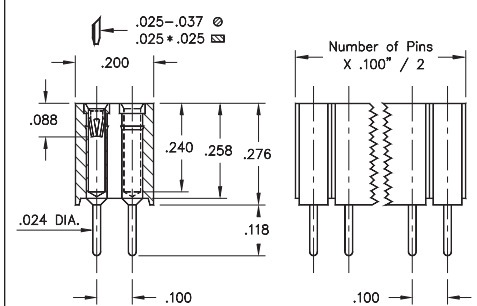


FIG. 3

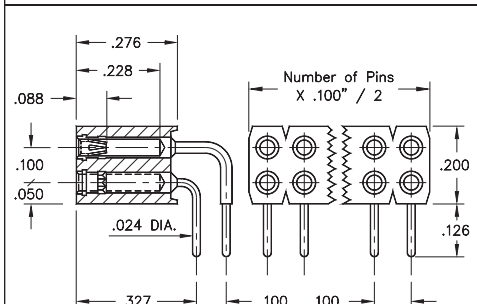
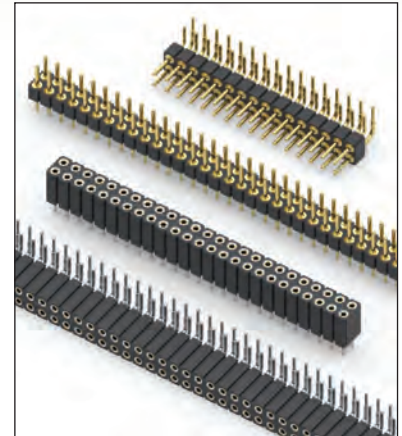


FIG. 4

- Pin interconnects available with straight MM #7007 or right angle MM #5005/5107 solder tails. See page 215 for details
- Sockets are available with straight MM #1304 or right angle MM #1305/1306 soldertails. See pages 177 and 179 for details
- MM #1304, #1305 and #1306 receptacles use Hi-Rel, 6-finger BeCu #47 contact rated at 4.5 amps. Receptacles accept .030" diameter and .025" square pins. See page 256 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 802...10-001	Straight Pin Header			
	802-XX-0-10-001000 Specify number of pins 04-64				
FIG. 2	Series 802...20-001	Right Angle Pin Header			
	802-XX-0-20-001000 Specify number of pins 02-64				
RoHS -2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264					
SPECIFY PLATING CODE XX=		10 	90	40 	
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 3	Series 803...10-001	Straight Socket						
	803-XX-__-10-001000 Specify number of pins 004-100							
FIG. 4	Series 803...20-001	Right Angle Socket						
	803-XX-__-20-001000 Specify number of pins 002-100							
RoHS -2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264								
SPECIFY PLATING CODE XX=			91	93	99	41	43	47
Sleeve (Pin)			200 μ" Sn/Pb	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	100 μ" Sn/Pb	10 μ" Au	30 μ" Au	Au Flash



INTERCONNECTS

SERIES 800 & 801 • .100" GRID (.030" DIA. PINS), SOLDERLESS PRESS-FIT • SINGLE ROW STRIPS

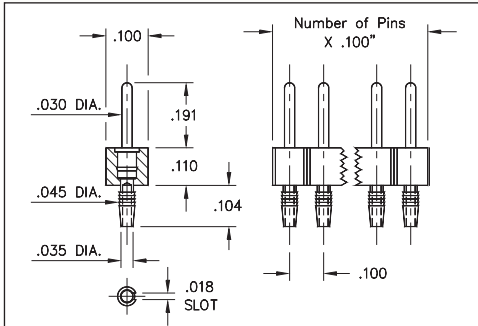


FIG. 1

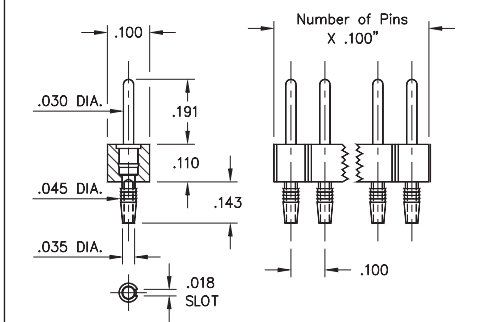


FIG. 2

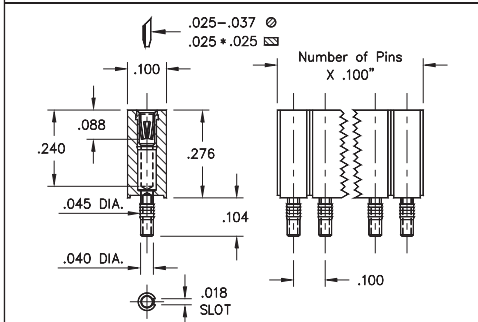


FIG. 3

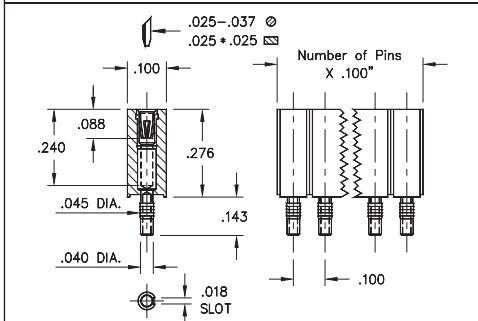
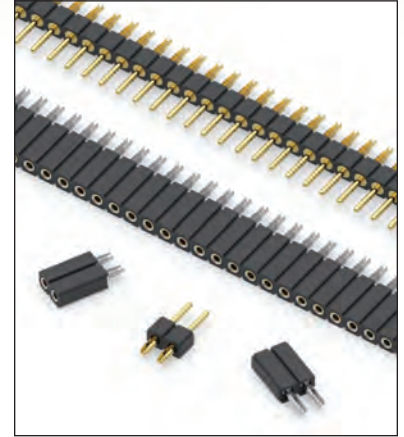


FIG. 4

- The unique compliant tail pins conform to .040"±.003" finished hole without stressing inner layers. Patent No. 4,799,904
- Headers and sockets are available for board thicknesses of .060" - .100" and .090" - .130". See ordering information for details
- Series 800 pin headers use MM #5601 and #5602 compliant tail pins featuring a .030" dia. mating lead. See page 220 for details
- Series 801 sockets MM #4614 or #4615 use Hi-Rel, 6-finger BeCu #47 contact rated at 4.5 amps. Receptacles accept .030" diameter pins & .025" square pins. See pg. 256 for details
- Insulators are high temperature thermoplastic



ORDERING INFORMATION

FIG. 1	Compliant Tail Pin Header for .060" - .100" Thick Boards				
	800-XX-0-61-001000 Specify number of pins 01-64				
FIG. 2	Compliant Tail Pin Header for .090" - .130" Thick Boards				
	800-XX-0-62-001000 Specify number of pins 01-64				
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264					
SPECIFY PLATING CODE XX=		10 	90	40 	
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 3	Compliant Tail Socket for .060" - .100" Thick Boards					
	801-XX-0-61-001000 Specify number of pins 01-50					
FIG. 4	Compliant Tail Socket for .090" - .130" Thick Boards					
	801-XX-0-62-001000 Specify number of pins 01-50					
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264						
SPECIFY PLATING CODE XX=		91	93	99	41	43
Sleeve (Pin)		200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn/Pb	200 μ" Sn	200 μ" Sn
Contact (Clip)		10 μ" Au	30 μ" Au	100 μ" Sn/Pb	10 μ" Au	30 μ" Au



INTERCONNECTS

SERIES 802 & 803 • .100" GRID (.030" DIA. PINS), SOLDERLESS PRESS-FIT • DOUBLE ROW STRIPS

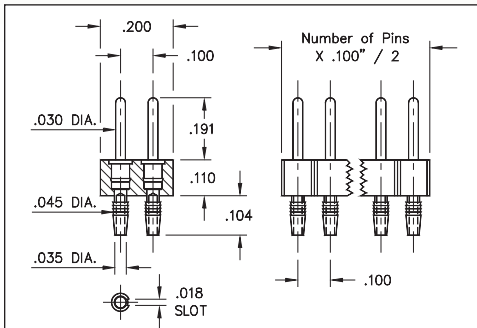


FIG. 1

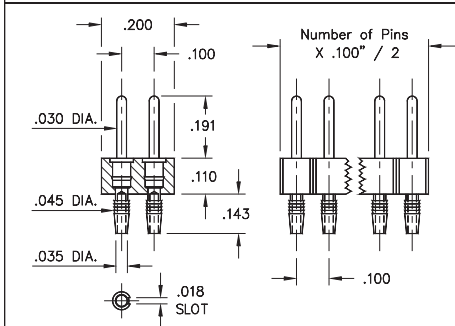


FIG. 2

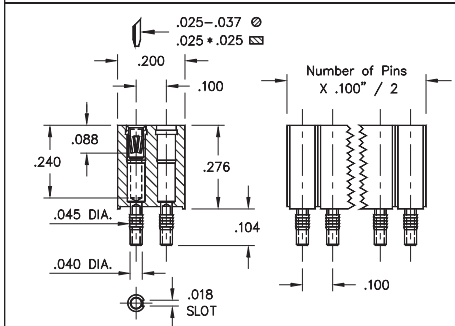


FIG. 3

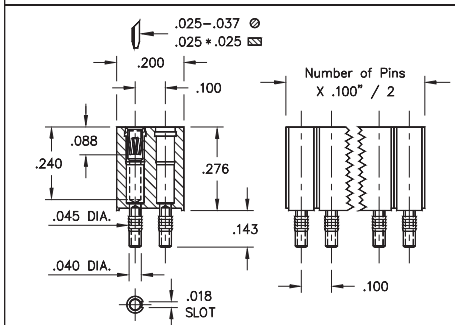
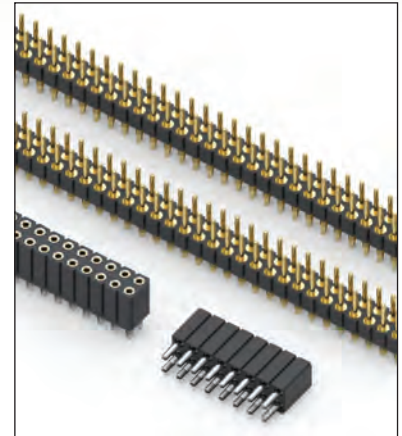


FIG. 4

- The unique compliant tail pins conform to .040"±.003" finished hole without stressing inner layers. Patent No. 4,799,904
- Headers and sockets are available for board thicknesses of .060" - .100" and .090" - .130". See ordering information for details
- Series 802 pin headers use MM #5601 and #5602 compliant tail pins featuring a .030" dia. mating lead. See page 220 for details
- Series 803 sockets with MM #4614 or #4615 pins use Hi-Rel, 6-finger BeCu #47 contact rated at 4.5 amps. Receptacles accept .030" diameter pins & .025" square pins. See pg. 256 for details
- Insulators are high temperature thermoplastic



ORDERING INFORMATION

FIG. 1	Compliant Tail Pin Header for .060" - .100" Thick Boards			
	802-XX-0-61-001000			
	Specify number of pins	04-64		
FIG. 2	Compliant Tail Pin Header for .090" - .130" Thick Boards			
	802-XX-0-62-001000			
	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=				
Pin Plating 				
	10 	90	40 	
	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 3	Compliant Tail Socket for .060" - .100" Thick Boards							
	803-XX-61-001000							
	Specify number of pins	004-100						
FIG. 4	Compliant Tail Socket for .090" - .130" Thick Boards							
	803-XX-62-001000							
	Specify number of pins	004-100						
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264								
SPECIFY PLATING CODE XX=								
Sleeve (Pin) 								
Contact (Clip) 								
	11 	13 	91	93	99	41 	43 	44 
	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
	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



INTERCONNECTS

SERIES 800 & 802 • .100" GRID (.030" DIA. PINS), SHROUDED STRAIGHT, SURFACE MOUNT & SOLDERLESS PRESS-FIT • SINGLE AND DOUBLE ROW STRIPS

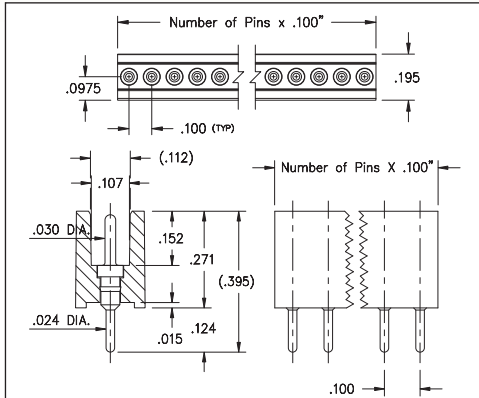


FIG. 1

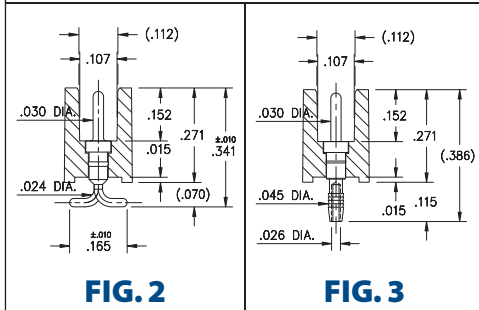


FIG. 2

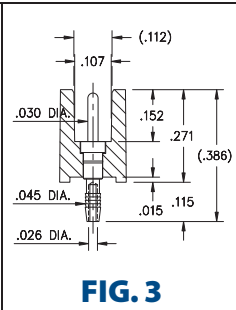


FIG. 3

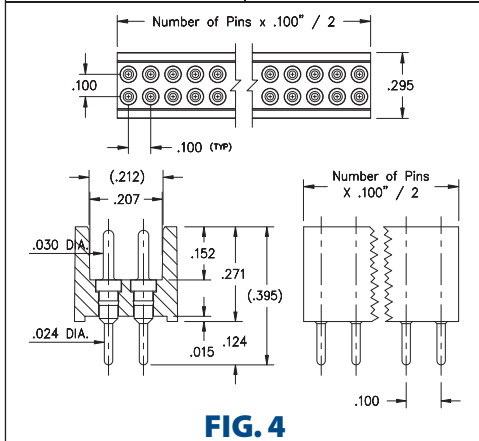


FIG. 4

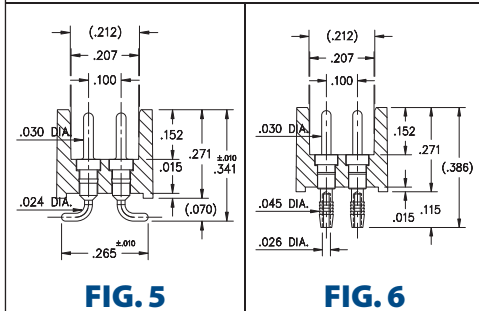


FIG. 5

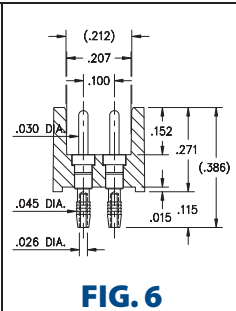


FIG. 6

- Shrouded pin interconnects available with straight Series 800...10-052 and 802...10-052 or surface mount 800...30-052 and 802...30-052 use MM #5016 pins. See page 215 for details
- Shrouded pin interconnects with solderless press-fit Series 800...61-051 and 802...61-051 use MM #5607 pins. See page 213 for details. The unique compliant tail pins conform to .040"±.003" finished hole without stressing inner layers. Patent No. 4,799,904
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 800...10-052 Straight Pin Header	
	800-10-0	-10-052000
	Specify number of pins	01-32
FIG. 2	Series 800...30-052 Surface Mount Pin Header	
	800-10-0	-30-052000
	Specify number of pins	03-32
FIG. 3	Series 800...61-051 Compliant Tail Pin Header	
	800-10-0	-61-051000
	Specify number of pins	01-32
FIG. 4	Series 802...10-052 Straight Pin Header	
	802-10-0	-10-052000
	Specify number of pins	04-64
FIG. 5	Series 802...30-052 Surface Mount Pin Header	
	802-10-0	-30-052000
	Specify number of pins	04-64
FIG. 6	Series 802...61-051 Compliant Tail Pin Header	
	802-10-0	-61-051000
	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=		
Pin Plating	10 μ Au	



INTERCONNECTS

SERIES 888 • 2MM GRID (.032" AND .044" DIA. PINS), SIGNAL POWER SHROUDED HEADER & SOCKET CONNECTOR

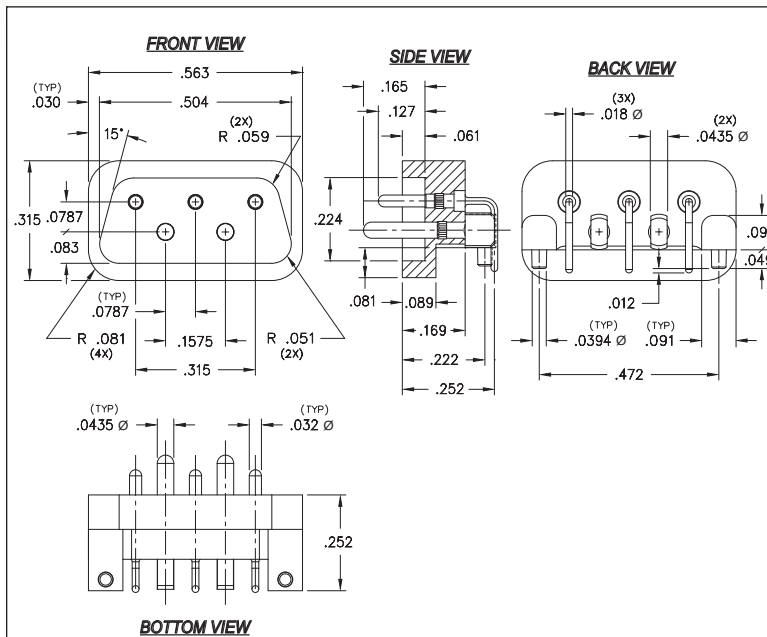


FIG. 1 (Right Angle Mount Header)

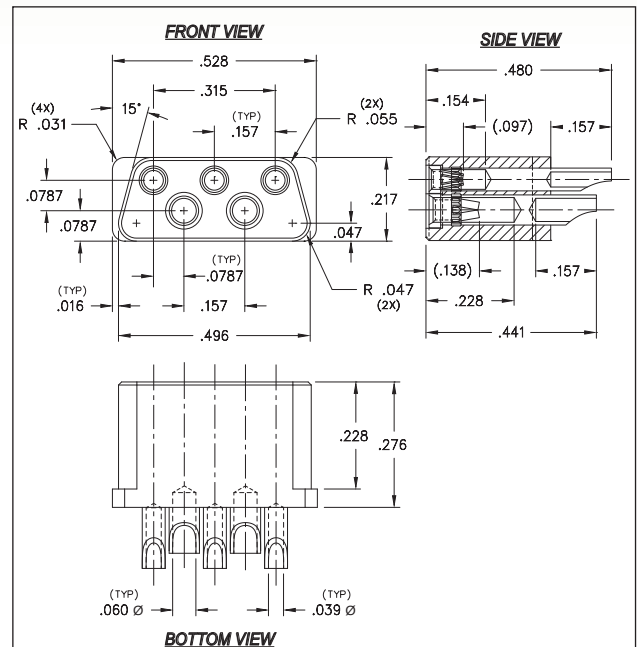
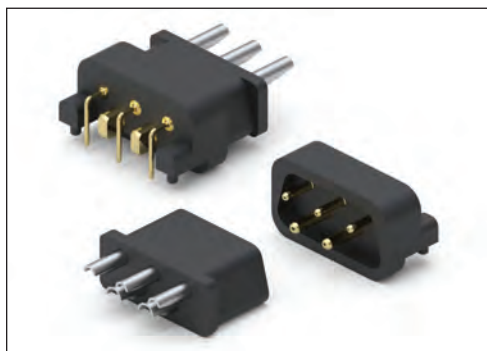


FIG. 2 (Wire Termination Socket)



- Series 888_002 right angle & surface mount P.C.B. headers have .032" & .044" dia. pins (MM #5065, #5066). See pages 213 and 224 for details
- Series 888_001 mating soldercup sockets use (MM #5070-0 and #5084-0) receptacles for terminating 22 AWG & 18AWG stranded wires. See pages 176 and 185 for details
- Receptacles use Hi-Rel, 6-finger BeCu #16 contacts rated at 4.5 amps and Hi-Rel, 4-finger BeCu #34 contacts rated at 8 amps. See pages 256 and 258 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations and shrouded for accurate alignment

ORDERING INFORMATION

FIG. 1	Series 888...002 5 Pin Right Angle Board Mount Header					
	888-30-005-20-002000					
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264 SPECIFY PLATING CODE XX= Pin Plating 						
		30 				
		30 μ" Au				

FIG. 2	Series 888...001 5 Pin Wire Termination Socket					
	888-93-005-00-001000					
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264 SPECIFY PLATING CODE XX= Sleeve (Pin)  Contact (Clip) 						
		93 				
		200 μ" Sn/Pb				
		30 μ" Au				



INTERCONNECTS

SERIES 808 & 809 • .100" GRID (.018" DIA. PINS), STRAIGHT, SIGNAL POWER SHROUDED HEADER & SOCKET CONNECTOR

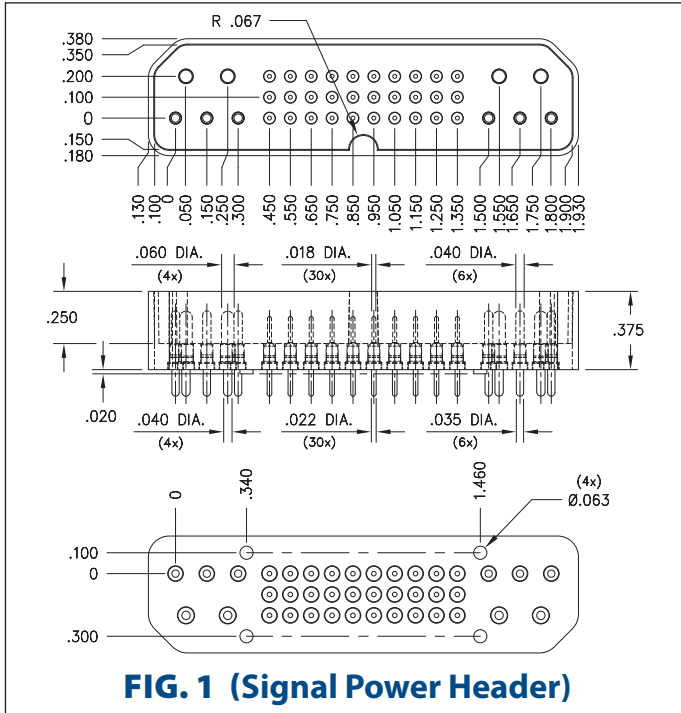


FIG. 1 (Signal Power Header)

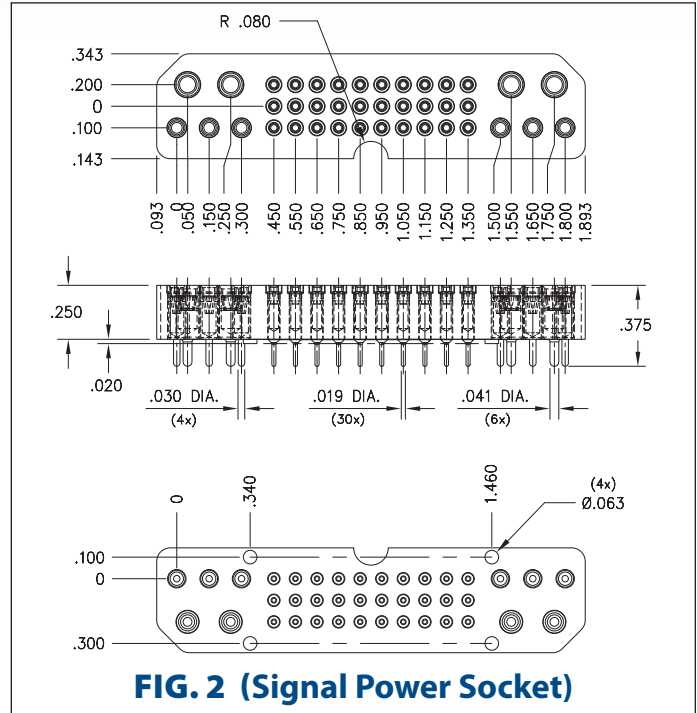


FIG. 2 (Signal Power Socket)



- Series 808 and 809 signal power header & socket have a mated height of .415"
- Series 808 headers have .018" diameter (MM #3503), .040" diameter (MM #3502) and .060" diameter (MM #3501) solder tails. See pages 213 and 214 for details
- Series 809 sockets use MM #0405-0, #8852-0 and #9324-0 receptacles. See pages 170, 182 and 189 for details
- Receptacles use Hi-Rel, 4-finger BeCu #32 and #34 contacts & Hi-Rel, 6-finger BeCu #23 contacts. See pages 253, 258 and 260 for details
- Insulators are high temperature thermoplastic, suitable for most soldering processes, and feature standoffs to promote solder flow

ORDERING INFORMATION

FIG. 1	Series 808...151		Shrouded Signal Power Header			
	808-10-040-10-151000					
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264						
SPECIFY PLATING CODE XX=		10 				
Pin Plating 		10 μ" Au				

FIG. 2	Series 809...001		Signal Power Socket				
	809-43-040-10-001000						
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264							
SPECIFY PLATING CODE XX=						43 	
Sleeve (Pin) 						200 μ" Sn	
Contact (Clip) 						30 μ" Au	



INTERCONNECTS

**SERIES 349, 449, 800, 801, 802, 803 • .100" GRID (.030" DIA. PINS),
SURFACE MOUNT HEADERS & SOCKETS • SINGLE AND DOUBLE ROW STRIPS**

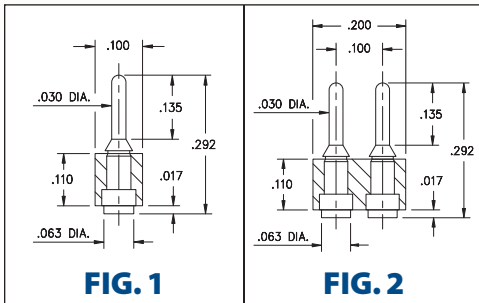


FIG. 1

FIG. 2

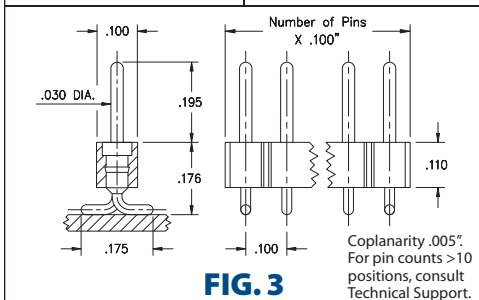


FIG. 3

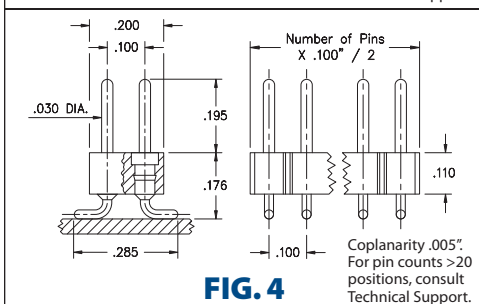


FIG. 4

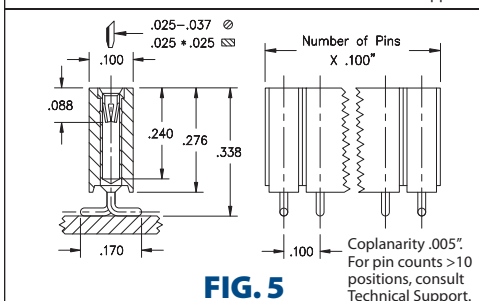


FIG. 5

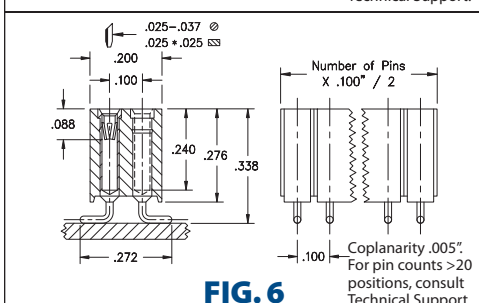
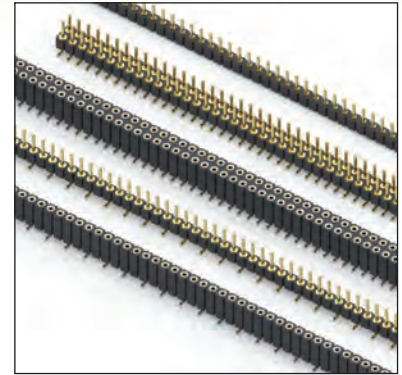


FIG. 6

- Series 349 & 449 use MM #4956-1 pins. See page 218 for details
- Series 800 & 802 use MM #7007 pins. See page 215 for details
- Series 801 & 803 use MM #1304 receptacles and accept pin diameters from .025"-.037" and .025" square pins. See page 177 for details
- Receptacles use Hi-Rel, 6-finger BeCu #47 contact rated at 4.5 amps. See page 256 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



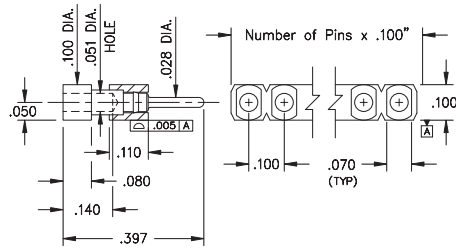
ORDERING INFORMATION

FIG. 1	Series 349...560	Single Row Surface Mount Header
	349-10-1	-00-560000 Specify number of pins 02-64
FIG. 2	Series 449...560	Double Row Surface Mount Header
	449-10-2	-00-560000 Specify number of pins 04-64
FIG. 3	Series 800...001	Single Row Surface Mount Header
	800-10-0	-30-001000 Specify number of pins 03-64
FIG. 4	Series 802...001	Double Row Surface Mount Header
	802-10-0	-30-001000 Specify number of pins 04-72
SPECIFY PLATING CODE XX=		10 10 μ" Au
FIG. 5	Series 801...001	Single Row Surface Mount Socket
	801-43-0	-30-001000 Specify number of pins 03-50
FIG. 6	Series 803...001	Double Row Surface Mount Socket
	803-XX-	-30-001000 Specify number of pins 004-100
SPECIFY PLATING CODE XX=		93 43
Sleeve (Pin)		200 μ" Sn/Pb 200 μ" Sn
Contact (Clip)		30 μ" Au 30 μ" Au

INTERCONNECTS

SERIES 800, 801, 830 • .100" GRID (.030" DIA. PINS), SURFACE MOUNT HEADERS AND SOCKETS • SINGLE ROW STRIPS

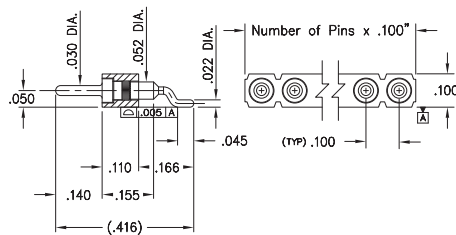
Mates with Series 801...002 Surface Mount Z-Bend Socket (See Fig. 3)



Coplanarity .005". For pin counts >10 positions, consult Technical Support.

FIG. 1

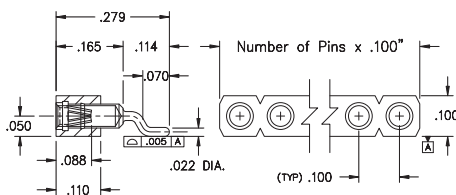
Mates with Series 801...002 Surface Mount Z-Bend Socket (See Fig. 3)



Coplanarity .005". For pin counts >10 positions, consult Technical Support.

FIG. 2

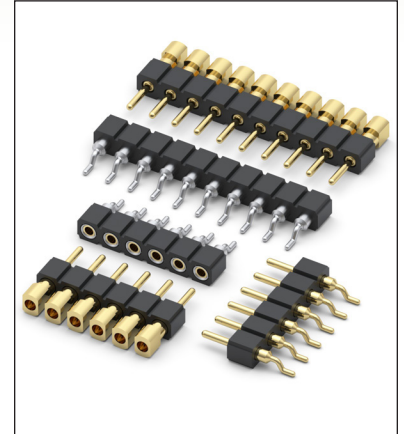
Mates with Series 800...002 and 830...028 Surface Mount Header (See Fig. 1 & 2)



Coplanarity .005". For pin counts >10 positions, consult Technical Support.

FIG. 3

- Series 800 horizontal surface mount headers are available with .028" dia. pluggable pins (MM #1502). Series 830 horizontal surface mount z-bend headers use MM #3028 pins. See page 224 for details
- Series 801 horizontal surface mount Z-Bend sockets uses MM #1303 receptacles that accept pin diameters from .025"-.037" and .025" square leads. See pages 180 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations
- Ideal for daisy chaining parallel boards



ORDERING INFORMATION

FIG. 1	Series 800...002 .028" Dia. Surface Mount Header			
	800-10-0-40-002000 Specify number of pins 02-10			
FIG. 2	Series 830...028 .030" Dia. Surface Mount Z-Bend Header			
	830-XX-0-40-028000 Specify number of pins 02-10			
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=		10	40	
Pin Plating 		10 μ" Au	200 μ" Sn	

FIG. 3	Series 801...002 .028" Dia. Surface Mount Z-Bend Socket							
	801-XX-0-40-002000 Specify number of pins 02-10							
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264								
SPECIFY PLATING CODE XX=			91	93	99	41	43	44
Sleeve (Pin)			200 μ" Sn/Pb	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	100 μ" Sn/Pb	10 μ" Au	30 μ" Au	100 μ" Sn



INTERCONNECTS

SERIES 804 & 805 • .100" GRID (.030" DIA. PINS), HEADERS AND SOCKETS • TRIPLE ROW

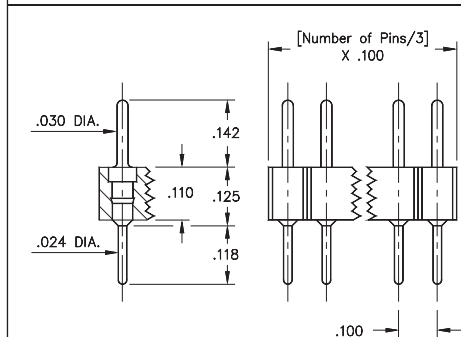
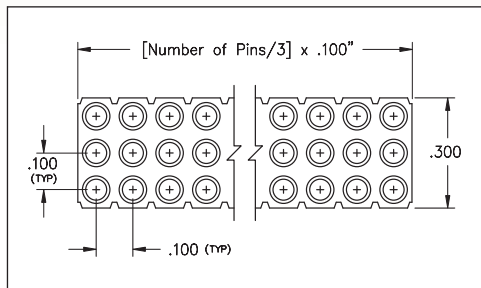


FIG. 1

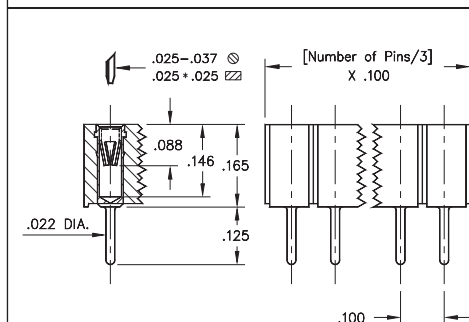
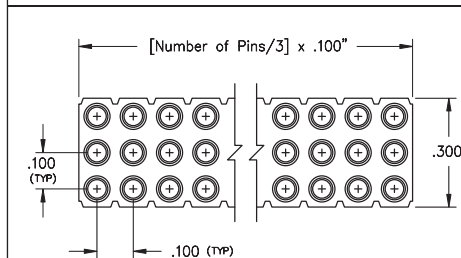
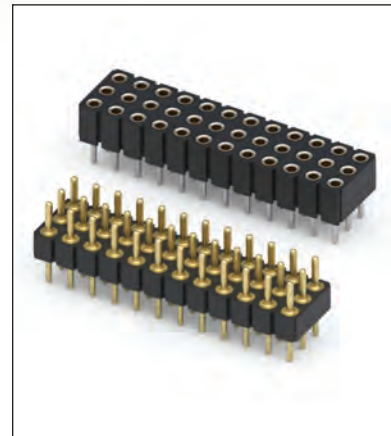


FIG. 2

- Series 804 triple row .100" grid headers uses MM #5016 pins. See page 215 for details
- Series 805 triple row .100" grid sockets uses MM #1303 pins. See page 180 for details
- Series 805 triple row .100" grid sockets uses Hi-Rel, 6-finger BeCu #47 contact rated at 4.5 amps. See page 256 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 804...002		Straight Pin Header	
	804-10-0-10-002000 Specify number of pins 09-96			
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264				
SPECIFY PLATING CODE XX=		10		
Pin Plating 		10 μ" Au		

FIG. 2	Series 805...012	Straight Pin Socket					
	805-43-0-10-012000 Specify number of pins 09-96						
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264							
SPECIFY PLATING CODE XX=						43	
Sleeve (Pin)						200 μ" Sn	
Contact (Clip)						30 μ" Au	

INTERCONNECTS

SERIES 800, 801, 802, 803 • .100" GRID SOLDER CUP HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

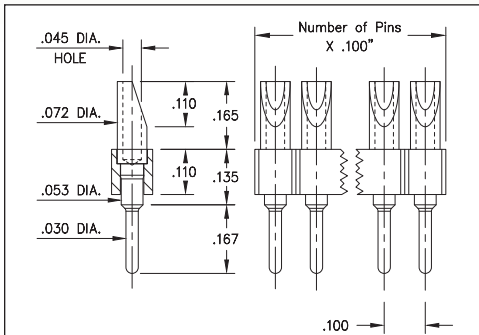


FIG. 1

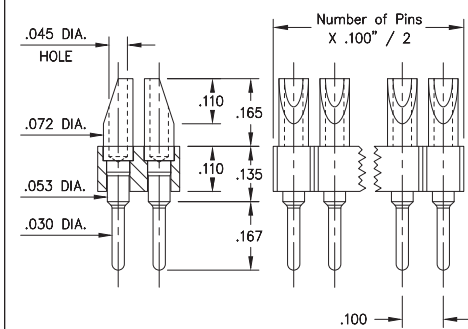


FIG. 2

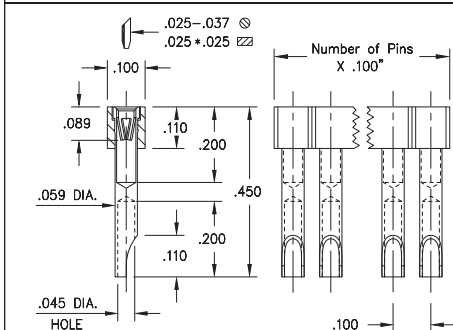


FIG. 3

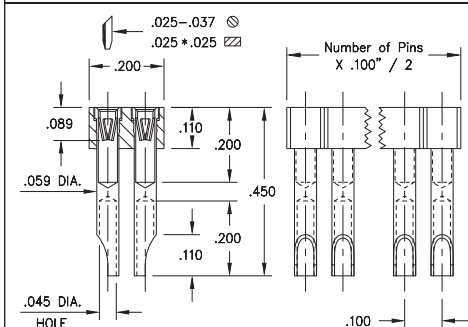


FIG. 4

- Series 800 and 802 use MM #1107 pins. See page 218 for details
- Series 801 and 803 use MM #1134 pin receptacles and accept pin diameters from .025"-.037" and .025" square pins. See page 177 for details
- Series 801 and 803 receptacles use Hi-Rel, 4-finger BeCu #47 contact rated at 4.5 amps. See page 256 for details
- Solder cups are pre-aligned and accept up to 20 AWG wire
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 800...007 Single Row Solder Cup / Solder Tail	
	800-XX-0	-10-007000
	Specify number of pins	02-64
FIG. 2	Series 802...007 Double Row Solder Cup / Solder Tail	
	802-XX-0	-10-007000
	Specify number of pins	02-64
RoHS -2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating		
	10	40
	10 μ " Au	200 μ " Sn

FIG. 3	Series 801...007 Single Row Solder Cup Sockets	
	801-13-0	-10-007000
	Specify number of pins	02-64
FIG. 4	Series 803...007 Double Row Solder Cup Sockets	
	803-13-0	-10-007000
	Specify number of pins	02-64
RoHS -2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)		
Contact (Clip)		
	13	
	10 μ " Au	
	30 μ " Au	

INTERCONNECTS

SERIES 800, 801, 802, 803 • .100" GRID (.040" DIA. PINS), HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

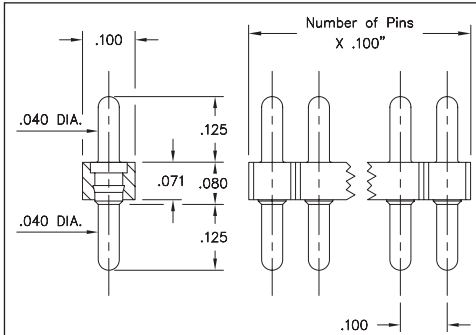


FIG. 1

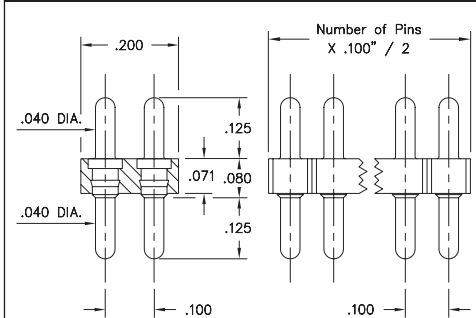


FIG. 2

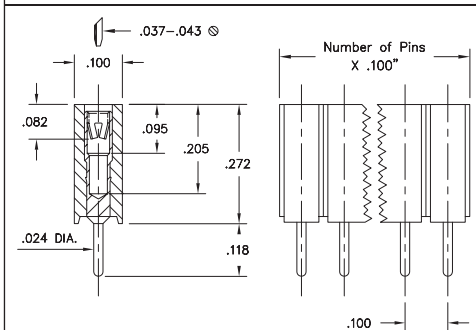


FIG. 3

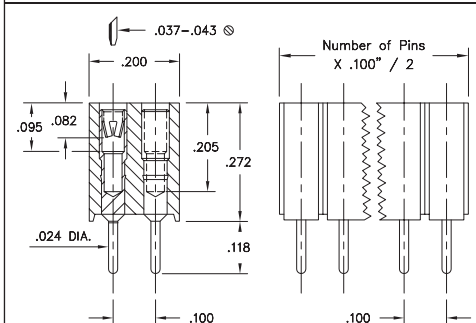
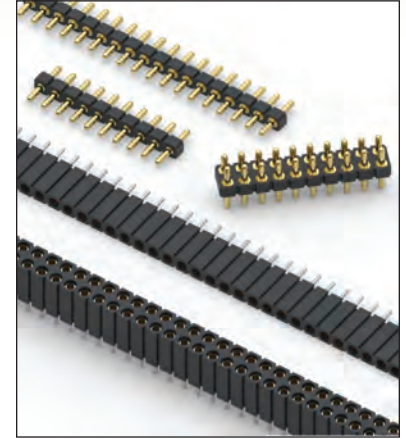


FIG. 4

- Series 800 and 802 single and double row interconnects feature sturdy .040" dia. leads (MM #3077) and low profile (.071" thick) insulator. See page 215 for details
- Series 801 and 803 single and double row sockets use MM #1313 receptacles. See page 181 for details
- Series 801 and 803 receptacles use Hi-Rel, 6-finger BeCu #18 contact rated at 8 amps. Receptacles accept .037"-.043" diameter pins. See page 257 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 800...10-004	Single Row Pin Header		
	800-XX-0-10-004000 Specify number of pins 01-50			
FIG. 2	Series 802...10-004	Double Row Pin Header		
	802-XX--10-004000 Specify number of pins 004-100			
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=				
Pin Plating	10 	90	40 	
	10 μ" Au	200 μ" Sn/Pb	200 μ" Sn	

FIG. 3	Series 801...10-004	Single Row Socket					
	801-XX-0-10-004000 Specify number of pins 01-50						
FIG. 4	Series 803...10-004	Double Row Socket					
	803-XX-0-10-004000 Specify number of pins 004-100						
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264							
SPECIFY PLATING CODE XX=							
Sleeve (Pin)	13	91	93	99	41	43	44
Contact (Clip)							



INTERCONNECTS

SERIES 834 & 835 • .100" GRID OFP® PASS-THROUGH SOCKETS Ø.030" & □.025" PINS • SINGLE AND DOUBLE ROW STRIPS

- 834/835 Series Pass-Through Sockets have a low .130" profile and will accept Ø.030" round pin, as well as industry standard .025" square pin headers.
- They are typically used to interconnect two or more parallel circuit boards.
- Sockets are designed for hand, wave or reflow* soldering. The high temperature insulator is compatible with all solder processes.
- Unique ORGANIC FIBRE PLUG® barriers prevent solder, paste or flux from contaminating the internal spring contacts. After soldering, the OFP® barriers are pushed out of the socket when the mating header is inserted.
- Mill-Max sockets use a receptacle consisting of a precision-machined brass sleeve with a press-fit beryllium copper "multi-finger" spring contact.
- Recommended mounting holes are Ø.046 ±.003" PTH (1,2 mm drilled prior to plating).

*Intrusive reflow (also called "pin-in-paste") is a technique of using conventional through-hole components in a reflow soldering process. The pass-through socket is placed into plated through-holes in the circuit board (solder paste has previously been screen printed on pads adjacent to the holes) and the board is reflowed in the same pass as other SMT components. Solder will fill the plated through-holes and achieve solder joints as reliable as wave soldering. The OFP® barrier prevents solder paste from being picked up inside the contact during assembly.

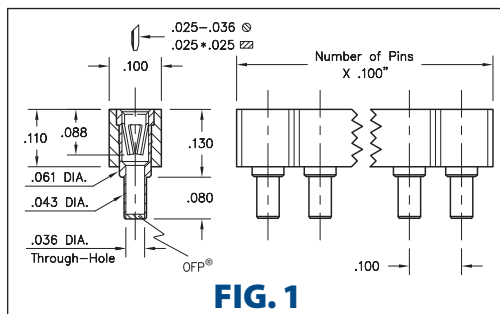
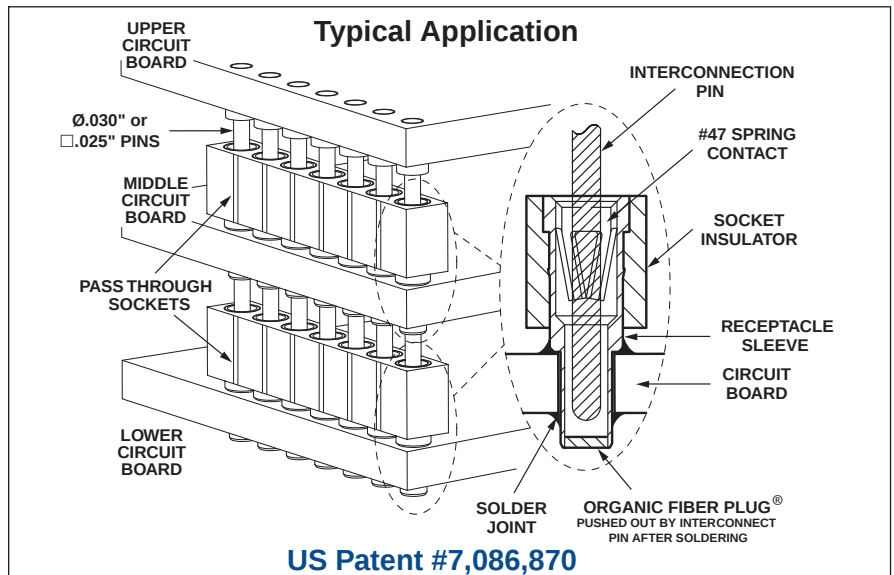
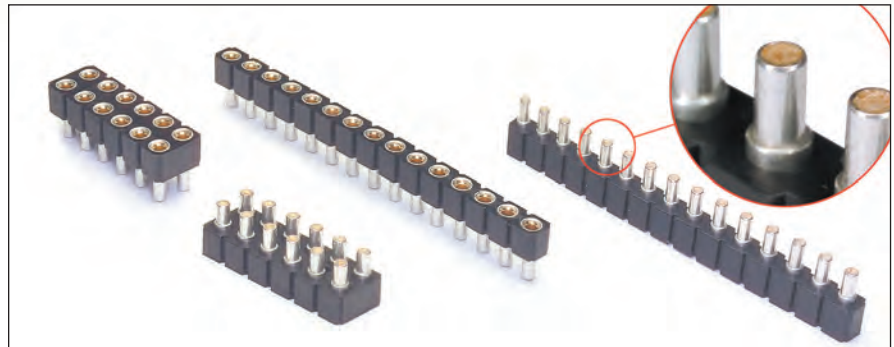


FIG. 1

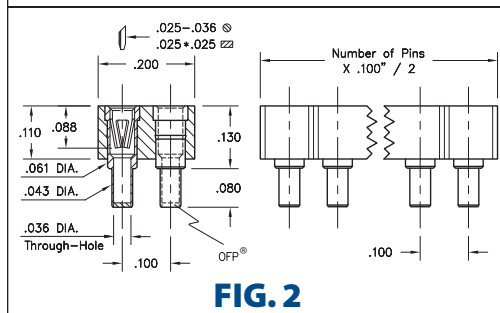


FIG. 2

ORDERING INFORMATION

FIG. 1	Series 834...001 Single Row OFP® Pass-Through Socket	
	834-XX-0	-10-001000
	Specify number of pins	01-64
FIG. 2	Series 835...001 Double Row OFP® Pass-Through Socket	
	835-XX-0	-10-001000
	Specify number of pins	04-72
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)	93	43 ◆ 47 ◆
Contact (Clip)	200 µ"Sn/Pb	200 µ"Sn 200 µ"Sn
	30 µ"Au	30 µ"Au Au Flash



INTERCONNECTS

SERIES 800 & 801 • .200" GRID (.030" DIA. PINS), STRAIGHT AND RIGHT ANGLE • SINGLE ROW STRIPS

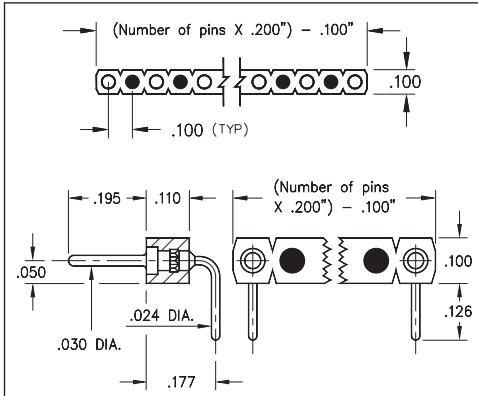


FIG. 1

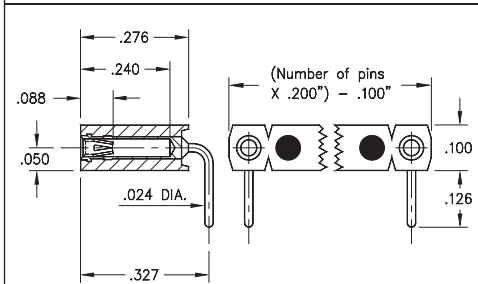


FIG. 2

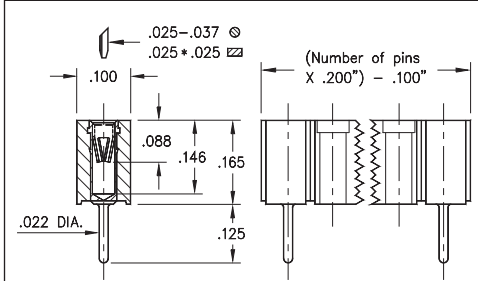


FIG. 3

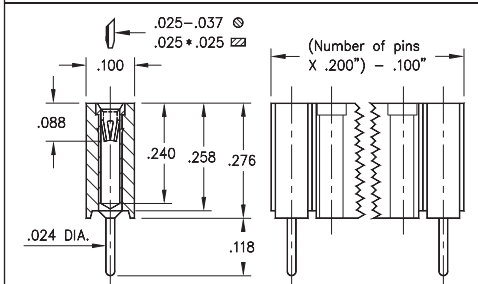
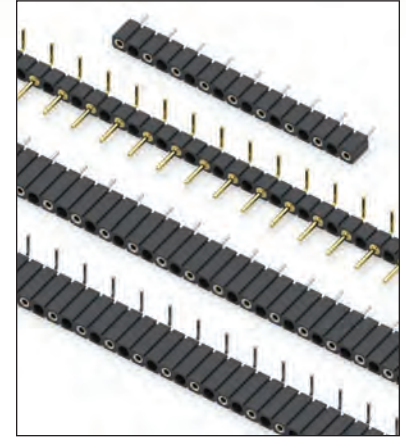


FIG. 4

- Series 800 selectively loaded headers uses MM #5005 pins. See page 215 for details
- Series 801 selectively loaded sockets use MM #1303, #1304 and #1305 pins. See pages 177, 179 & 180 for details
- Series 801 selectively loaded sockets use Hi-Rel, 6-finger BeCu #47 contact rated at 3 amps. See page 256 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 800...20-201 Right Angle Header	
	800-10-0	-20-201000
	Specify number of pins	02-32
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating	10 μ Au	

FIG. 2	Series 801...20-201 Right Angle Socket	
	801-XX-0	-20-201000
	Specify number of pins	02-25
FIG. 3	Series 801...10-212 Straight Socket	
	801-43-0	-10-212000
	Specify number of pins	02-18
FIG. 4	Series 801...10-201 Straight Socket	
	801-43-0	-10-201000
	Specify number of pins	02-25
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)	200 μ Sn	200 μ Sn
Contact (Clip)	10 μ Au	30 μ Au



INTERCONNECTS

SERIES 310, 311, 315 • .100" GRID SOLDER TAIL • SINGLE ROW STRIPS

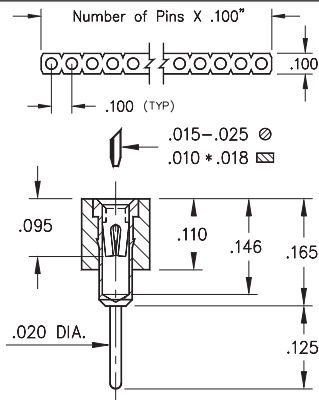


FIG. 1

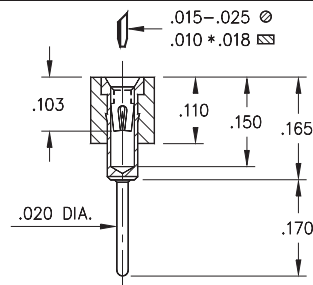


FIG. 2

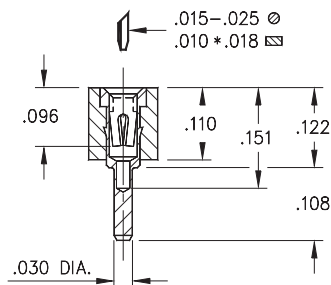


FIG. 3

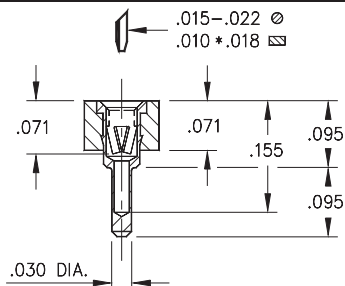
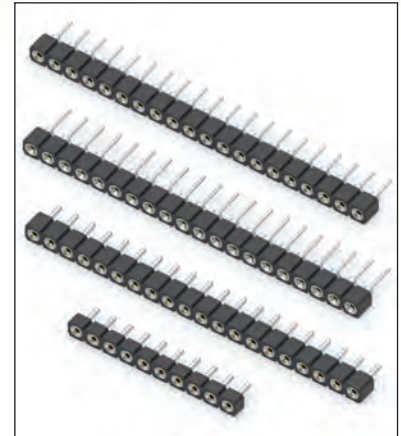


FIG. 4

- SIP sockets accept .015 - .025" diameter pins and standard IC leads
- Various solder tails available: standard length, long for multi-layer boards, very low and ultra low profile. See Mill-Max #1001, #0134, #0501 or #1534 pins. See pages 161, 162 and 165 for details
- Hi-Rel, 4-finger BeCu #12 and #30 contact are rated at 3 amps. See pages 252 and 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 310...001	Standard Solder Tail							
	310-XX-1-41-001000 Specify number of pins 01-64								
FIG. 2	Series 311...001	Long Solder Tail							
	311-XX-1-41-001000 Specify number of pins 01-64								
FIG. 3	Series 315...001	Very Low Profile							
	315-XX-1-41-001000 Specify number of pins 01-64								
FIG. 4	Series 315...003	Ultra Low Profile							
	315-XX-1-41-003000 Specify number of pins 01-64								
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264									
SPECIFY PLATING CODE XX=									
Sleeve (Pin)	11	13	91	93	99	41	43	44	47
Contact (Clip)	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
	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

★ 41 & 91 Platings Non-Standard



INTERCONNECTS

SERIES 410, 411, 415 • .100" GRID SOLDER TAIL • DOUBLE ROW STRIPS

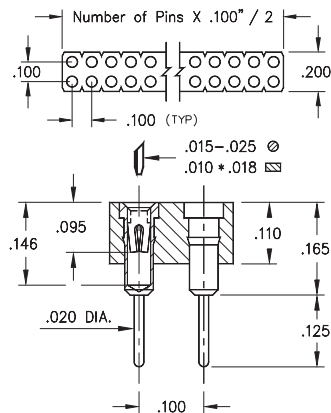


FIG. 1

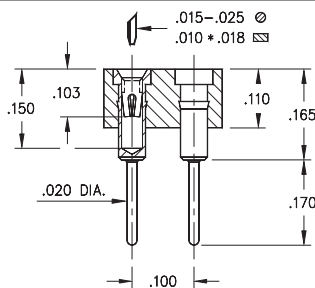


FIG. 2

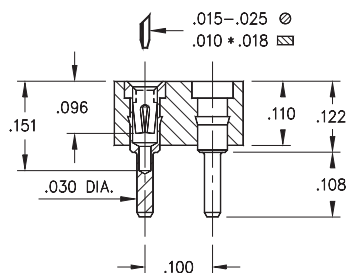


FIG. 3

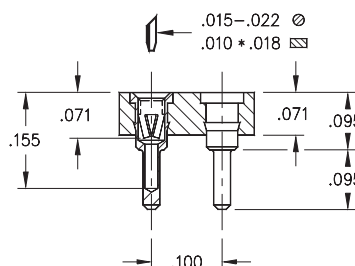
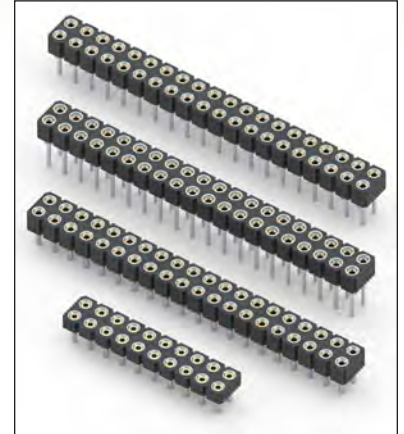


FIG. 4

- Series 41X double row strip sockets are on .100" grid
- Various solder tails available: standard length, long for multi-layer boards, very low and ultra low profile. See Mill-Max #1001, #0134, #0501 or #1534 pins. See pages 161, 162 and 165 for details
- Hi-Rel, 4-finger BeCu #12 and #30 contact are rated at 3 amps. See pages 252 and 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 410...001	Standard Solder Tail					
	410-XX-2-41-001000 Specify number of pins 04-64						
FIG. 2	Series 411...001	Long Solder Tail					
	411-XX-2-41-001000 Specify number of pins 04-64						
FIG. 3	Series 415...001	Very Low Profile					
	415-XX-2-41-001000 Specify number of pins 04-64						
FIG. 4	Series 415...003	Ultra Low Profile					
	415-XX-2-41-003000 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=							
Sleeve (Pin)	11	13	91	93	41	43	47
Contact (Clip)							



INTERCONNECTS

SERIES 311 & 411 • .100" GRID LONG SOLDER TAIL • SINGLE AND DOUBLE ROW STRIPS

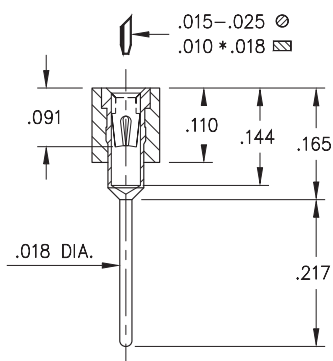
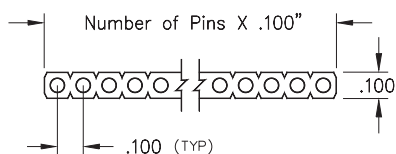


FIG. 1

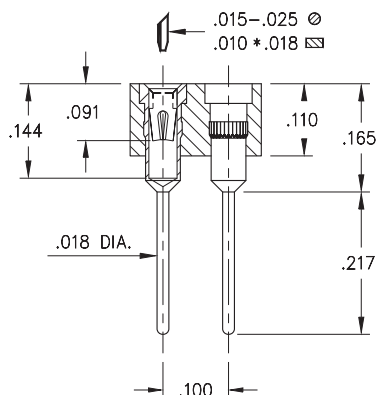
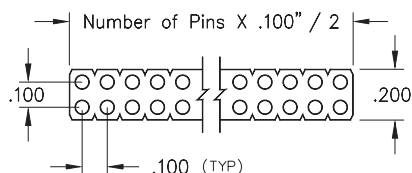
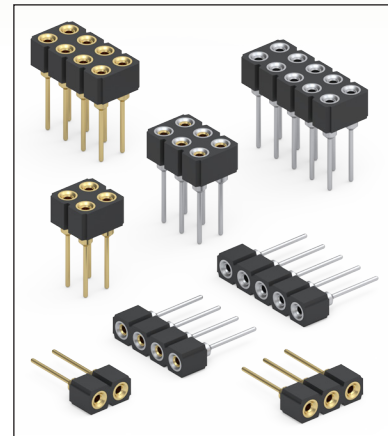


FIG. 2

- SIP sockets accept .015" - .025" diameter pins and standard IC leads. Longer lead length for soldering to multi-layer boards
- Series 311 & 411 use MM #1103 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



ORDERING INFORMATION

FIG. 1	Series 311...003	Single Row Long Solder Tail
	311-XX-1	-41-003000 Specify number of pins 01-64
FIG. 2	Series 411...003	Double Row Long Solder Tail
	411-XX-2	-41-003000 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=		
Sleeve (Pin)	13	93 99 43 44 47
Contact (Clip)	10 μ " Au	200 μ " Sn/Pb 200 μ " Sn/Pb 200 μ " Sn 200 μ " Sn 200 μ " Sn
	30 μ " Au	100 μ " Sn/Pb 30 μ " Au 100 μ " Sn Au Flash



INTERCONNECTS

SERIES 316 • .100" GRID ELEVATED • SINGLE ROW STRIPS

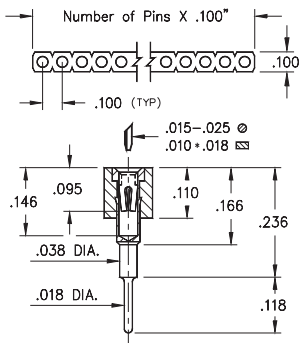


FIG. 1

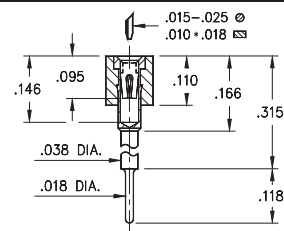


FIG. 2

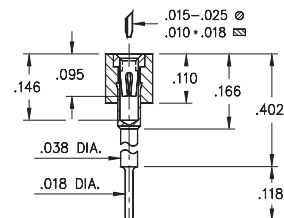


FIG. 3

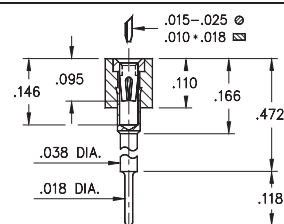


FIG. 4

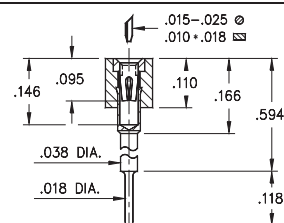


FIG. 5

- Elevated socket strips are available in 5 different heights:

316...006 uses pin # 0153-1
 316...003 uses pin # 0153-2
 316...007 uses pin # 0153-3
 316...008 uses pin # 0153-4
 316...001 uses pin # 0153-5
 See page 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



ORDERING INFORMATION

FIG. 1	Series 316...006	Standoff Height = .236
	316-XX-1	-41-006000 Specify number of pins 01-64
FIG. 2	Series 316...003	Standoff Height = .315
	316-XX-1	-41-003000 Specify number of pins 01-64
FIG. 3	Series 316...007	Standoff Height = .402
	316-XX-1	-41-007000 Specify number of pins 01-64
FIG. 4	Series 316...008	Standoff Height = .472
	316-XX-1	-41-008000 Specify number of pins 01-64
FIG. 5	Series 316...001	Standoff Height = .594
	316-XX-1	-41-001000 Specify number of pins 01-64
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)	91	93
Contact (Clip)	41	43
	47	
	200 μ " Sn/Pb	200 μ " Sn/Pb
	200 μ " Sn	200 μ " Sn
	10 μ " Au	30 μ " Au
	30 μ " Au	Au Flash

INTERCONNECTS

SERIES 416 • .100" GRID ELEVATED • DOUBLE ROW STRIPS

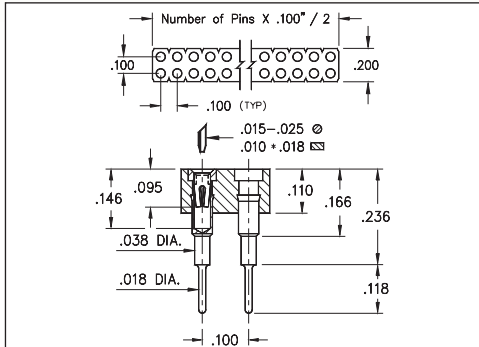


FIG. 1

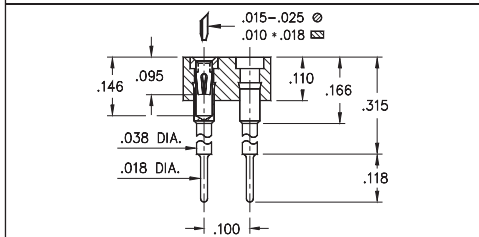


FIG. 2

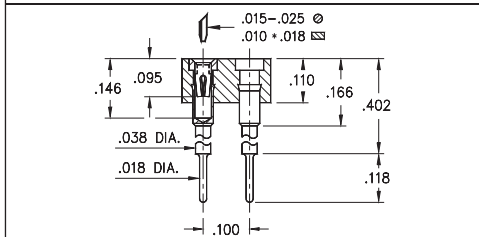


FIG. 3

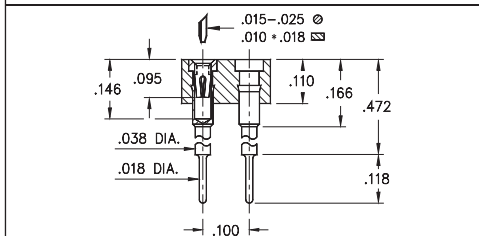


FIG. 4

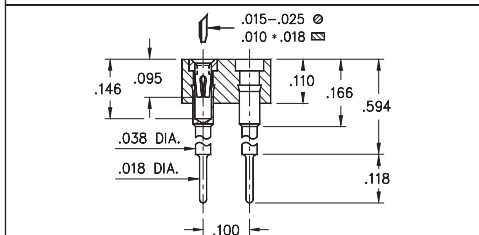
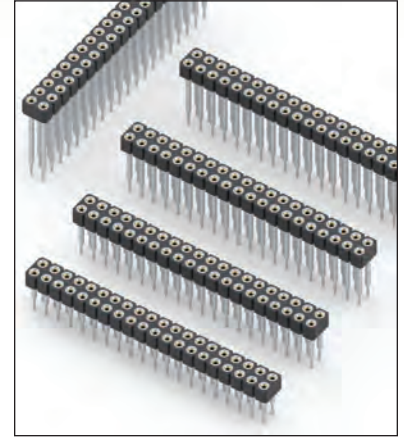


FIG. 5

- Elevated socket strips are available in 5 different heights:

416...006 uses pin # 0153-1
416...003 uses pin # 0153-2
416...007 uses pin # 0153-3
416...008 uses pin # 0153-4
416...001 uses pin # 0153-5
See page 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



ORDERING INFORMATION

FIG. 1	Series 416...006		Standoff Height = .236		
	416-XX-2-41-006000 Specify number of pins 04-64				
FIG. 2	Series 416...003		Standoff Height = .315		
	416-XX-2-41-003000 Specify number of pins 04-64				
FIG. 3	Series 416...007		Standoff Height = .402		
	416-XX-2-41-007000 Specify number of pins 04-64				
FIG. 4	Series 416...008		Standoff Height = .472		
	416-XX-2-41-008000 Specify number of pins 04-64				
FIG. 5	Series 416...001		Standoff Height = .594		
	416-XX-2-41-001000 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=					
Sleeve (Pin)		91	93	41	43
Contact (Clip)		10	30	10	30

INTERCONNECTS

SERIES 321, 322, 323, 324 • .100" GRID WRAPOST • SINGLE ROW STRIPS

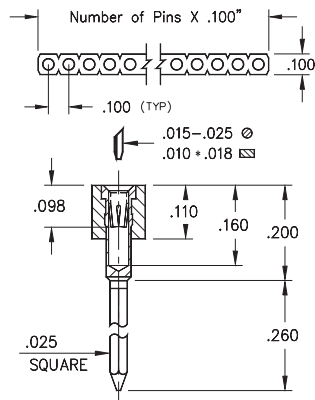


FIG. 1

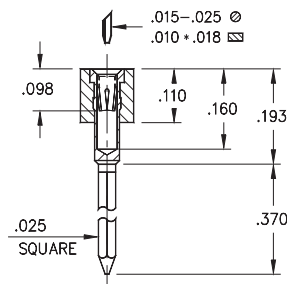


FIG. 2

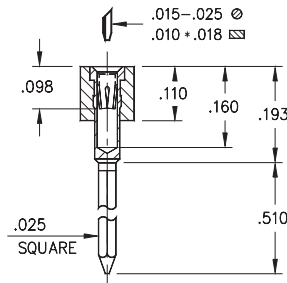


FIG. 3

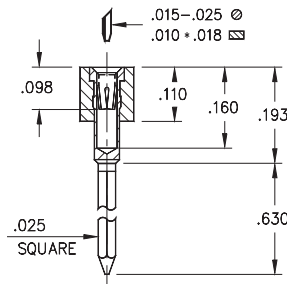


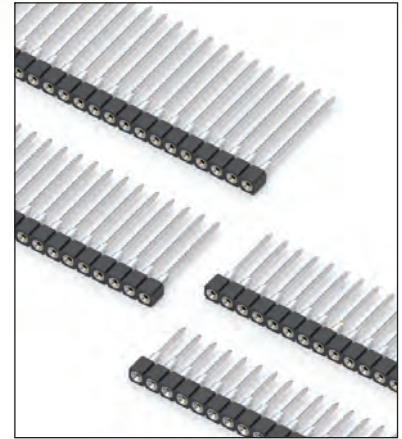
FIG. 4

- Wraposts available in 1 - 4 levels using MM pin numbers:

- 1-Level uses pin # 0040-1
 - 2-Level uses pin # 0089-2
 - 3-Level uses pin # 0088-3
 - 4-Level uses pin # 0086-4
- 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



ORDERING INFORMATION

FIG. 1	Series 321...001	1 Level Wrapost					
	321-13-1-41-001000 Specify number of pins 01-64						
FIG. 2	Series 322...001	2 Level Wrapost					
	322-XX-1-41-001000 Specify number of pins 01-64						
FIG. 3	Series 323...001	3 Level Wrapost					
	323-XX-1-41-001000 Specify number of pins 01-64						
FIG. 4	Series 324...002	4 Level Wrapost					
	324-XX-1-41-002000 Specify number of pins 01-64						
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264							
SPECIFY PLATING CODE XX=							
Sleeve (Pin)	11	13	91	93	41	43	
Contact (Clip)							

INTERCONNECTS

SERIES 421, 422, 423, 424 • .100" GRID WRAPOST • DOUBLE ROW STRIPS

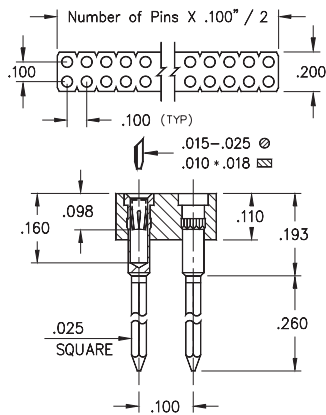


FIG. 1

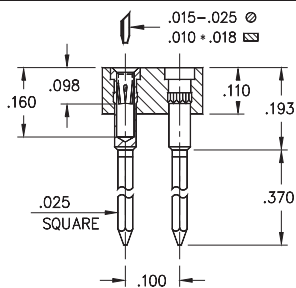


FIG. 2

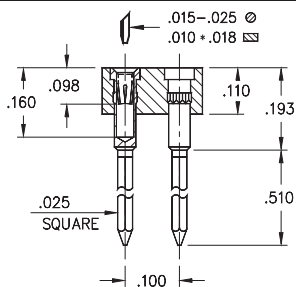


FIG. 3

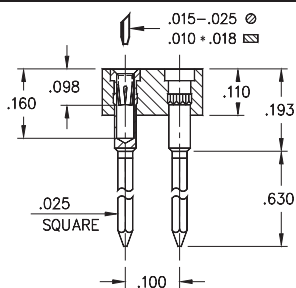


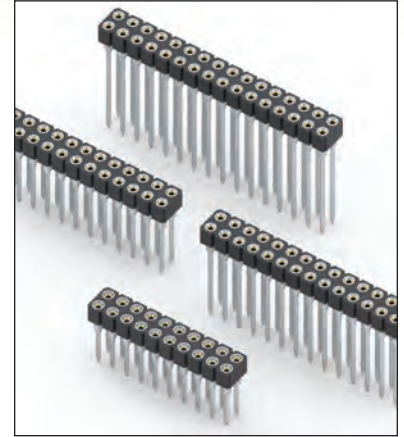
FIG. 4

- Wrapost double row strip sockets are available with 1 - 4 level wraposts:

- 1-Level uses pin # 0040-1
 - 2-Level uses pin # 0089-2
 - 3-Level uses pin # 0088-3
 - 4-Level uses pin # 0086-4
- 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



ORDERING INFORMATION

FIG. 1	Series 421...001	1 Level Wrapost
	421-XX-2	-41-001000 Specify number of pins 04-64
FIG. 2	Series 422...001	2 Level Wrapost
	422-XX-2	-41-001000 Specify number of pins 04-64
FIG. 3	Series 423...001	3 Level Wrapost
	423-XX-2	-41-001000 Specify number of pins 04-64
FIG. 4	Series 424...002	4 Level Wrapost
	424-XX-2	-41-002000 Specify number of pins 04-64



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

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



INTERCONNECTS

SERIES 326 • .100" GRID WRAPOST WITH SOLDER TAIL • SINGLE ROW STRIPS

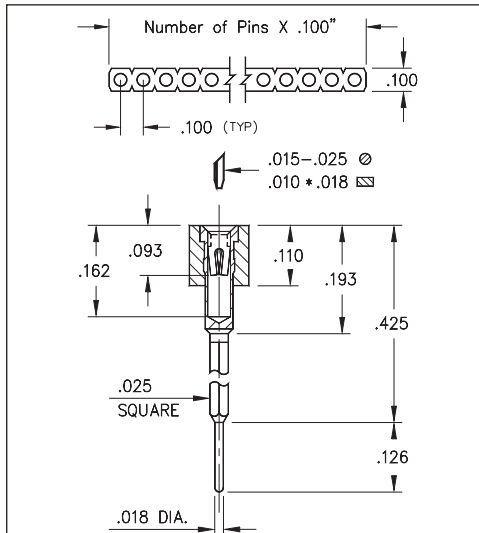


FIG. 1

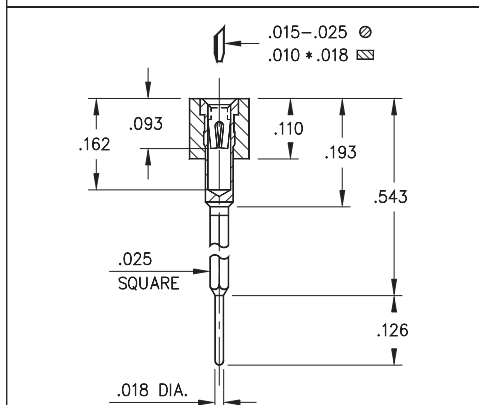


FIG. 2

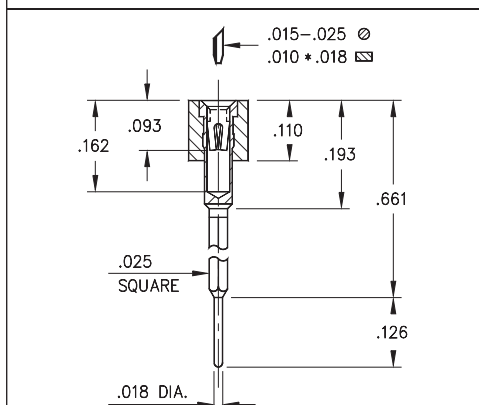


FIG. 3

- Wrapost / Solder Tail combinations are available in 3 lengths using MM pin numbers:

326...001 uses pin # 2601

326...002 uses pin # 2602

326...003 uses pin # 2603

See page 199 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	Series 326...001	1 Level Wrapost
	326-XX-1	-41-001000 Specify number of pins 01-64
FIG. 2	Series 326...002	2 Level Wrapost
	326-XX-1	-41-002000 Specify number of pins 01-64
FIG. 3	Series 326...003	3 Level Wrapost
	326-XX-1	-41-003000 Specify number of pins 01-64



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 426 • .100" GRID WRAPOST WITH SOLDER TAIL • DOUBLE ROW STRIPS

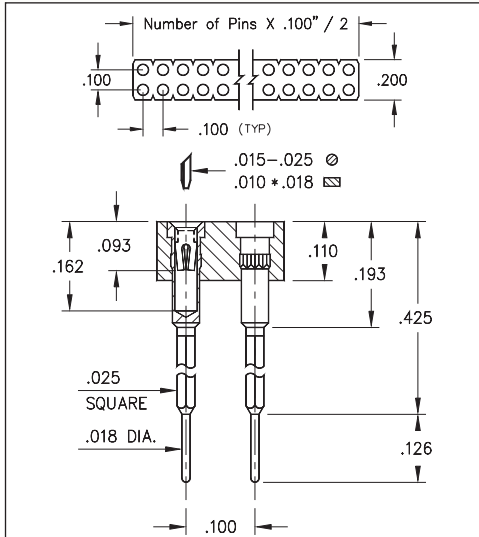


FIG. 1

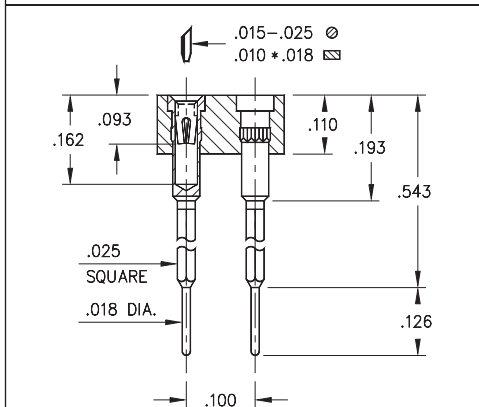


FIG. 2

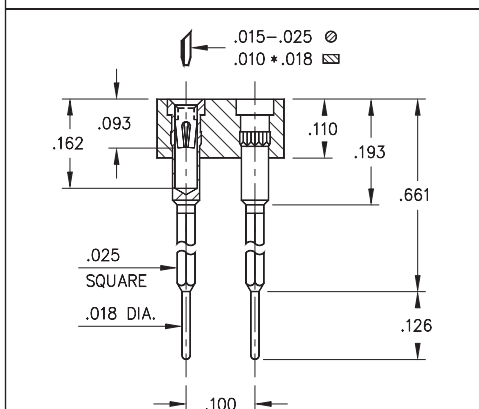


FIG. 3

- Wrapost / Solder Tail combination for interconnect purposes are available in 3 lengths using pin numbers:

426...001 uses pin # 2601

426...002 uses pin # 2602

426...003 uses pin # 2603

See page 199 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	Series 426...001	1 Level Wrapost
	426-XX-2	-41-001000 Specify number of pins 04-64
FIG. 2	Series 426...002	2 Level Wrapost
	426-XX-2	-41-002000 Specify number of pins 04-64
FIG. 3	Series 426...003	3 Level Wrapost
	426-XX-2	-41-003000 Specify number of pins 04-64



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

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



**SERIES 304, 346 • .100" GRID SOLDERLESS PRESS-FIT •
SINGLE ROW STRIPS**

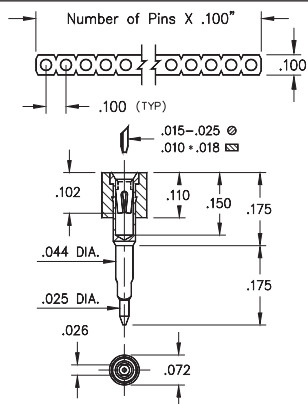


FIG. 1

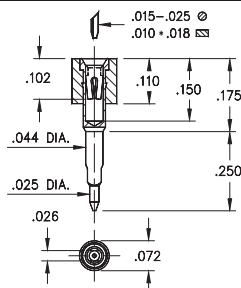


FIG. 2

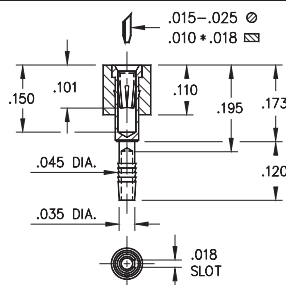


FIG. 3

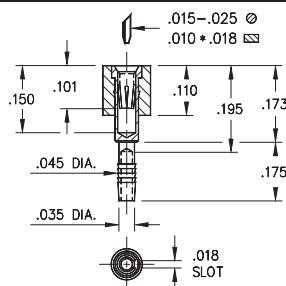


FIG. 4

- Unique compliant tail pins conform to the plated through-hole without stressing the inner layers of a multilayer board
- Recommended plated through-hole for 304 series: .036"-.041" use a 1,1mm drill prior to plating. Using MM #0477 & #0478 pins. See page 162 for details
- For 346 series: .040"±.003" finished plated through-hole. Using MM #4612 & #4613 pins. See page 162 for details. Patent No. 4,799,904
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic

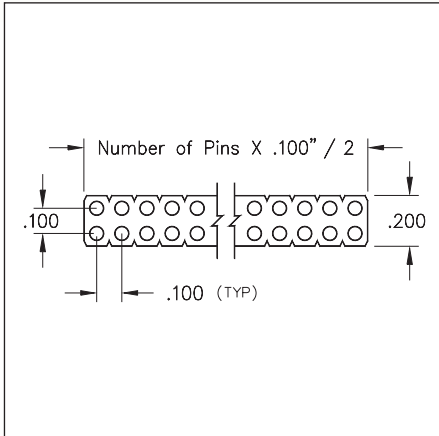


ORDERING INFORMATION

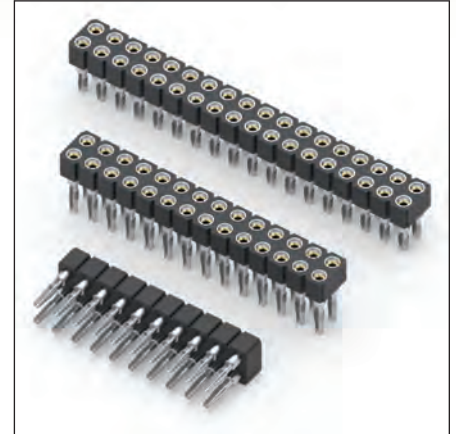
FIG. 1	Series 304...770	Solderless Press-Fit																											
	For .062" Thick Boards																												
	304-XX-1 -41-770000 Specify number of pins 01-64																												
FIG. 2	Series 304...780	Solderless Press-Fit																											
	For .125" Thick Boards																												
	304-XX-1 -41-780000 Specify number of pins 01-64																												
Mill-Max recommends plating Code 13 for Series 304...770 and 304...780																													
FIG. 3	Series 346...012	Compliant Solderless Press-Fit																											
	For .060"-.100" Thick Boards																												
	346-XX-1 -41-012000 Specify number of pins 01-64																												
FIG. 4	Series 346...013	Compliant Solderless Press-Fit																											
	For .090"-.130" Thick Boards																												
	346-XX-1 -41-013000 Specify number of pins 01-64																												
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264 <table><tr><td>SPECIFY PLATING CODE XX=</td><td>11</td><td>13</td><td>91</td><td>93</td><td>99</td><td>41</td><td>43</td><td>44</td></tr><tr><td>Sleeve (Pin)</td><td>10 μ" Au</td><td>10 μ" Au</td><td>200 μ" Sn/Pb</td><td>200 μ" Sn/Pb</td><td>200 μ" Sn/Pb</td><td>200 μ" Sn</td><td>200 μ" Sn</td><td>200 μ" Sn</td></tr><tr><td>Contact (Clip)</td><td>10 μ" Au</td><td>30 μ" Au</td><td>10 μ" Au</td><td>30 μ" Au</td><td>100 μ" Sn/Pb</td><td>10 μ" Au</td><td>30 μ" Au</td><td>100 μ" Sn</td></tr></table>			SPECIFY PLATING CODE XX=	11	13	91	93	99	41	43	44	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	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
SPECIFY PLATING CODE XX=	11	13	91	93	99	41	43	44																					
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																					
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																					

INTERCONNECTS

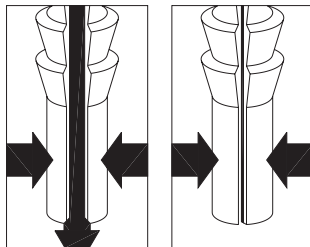
SERIES 446 • .100" GRID COMPLIANT TAIL • DOUBLE ROW STRIPS



- Compliant tail solderless press-fit: MM #4612 or #4613 pins. Use series 446...012 for .060"-.120" thick boards and series 446...013 for .090"-.130" thick boards. See page 162 for details
- Compliant tail receptacles can be inserted and removed without any degradation of the plated through-hole
- Hi-Rel, 4-finger BeCu #30 contact is rated at 3 amps. See page 253 for details
- Insulators are high temperature thermoplastic



APPLICATION OF COMPLIANT TAIL PINS



Mill-Max's patented* compliant tail features precision-machined pins 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.

ORDERING INFORMATION

FIG. 1

Series 446...012

Compliant Tail Socket

446-XX-2 -41-012000

Specify number of pins 04-64

FIG. 2

Series 446...013

Compliant Tail Socket

446-XX-2 -41-013000

Specify number of pins 04-64



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

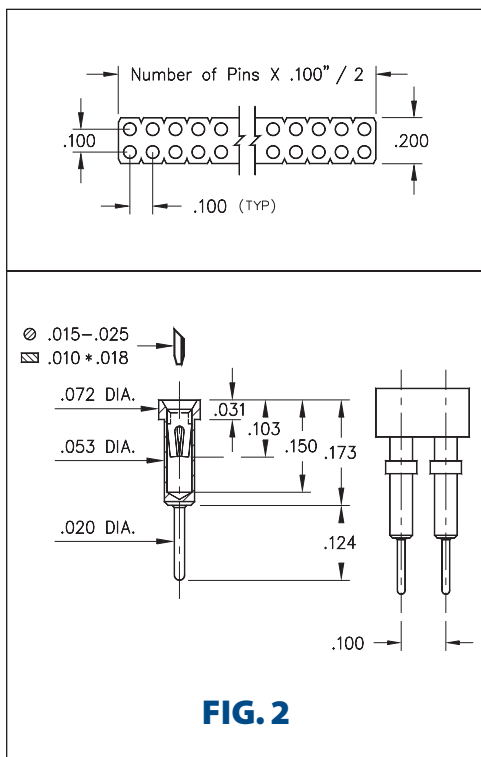
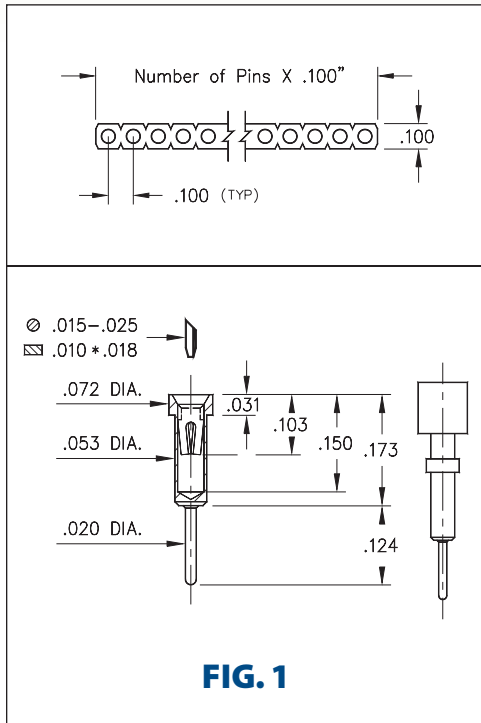
SPECIFY PLATING CODE XX=	13	93	99	43	44
Sleeve (Pin)	10 μ " Au	200 μ " Sn/Pb	200 μ " Sn/Pb	200 μ " Sn	200 μ " Sn
Contact (Clip)	30 μ " Au	30 μ " Au	100 μ " Sn/Pb	30 μ " Au	100 μ " Sn



Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com

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

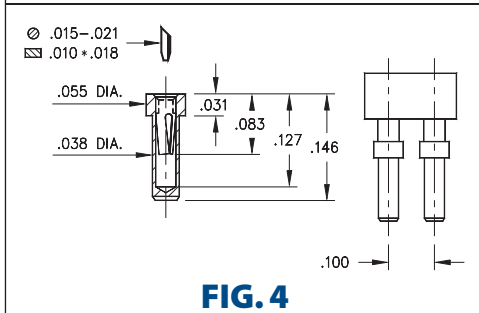
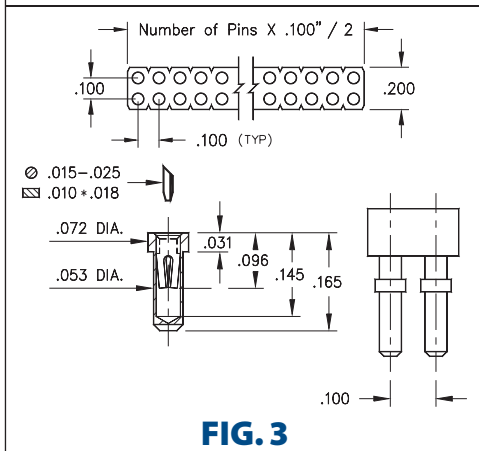
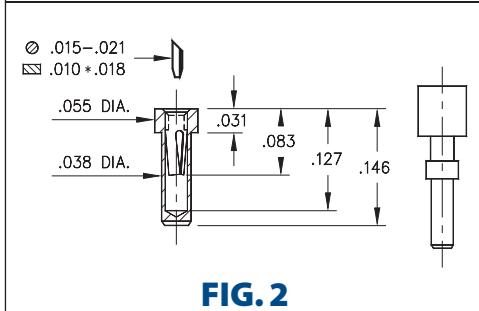
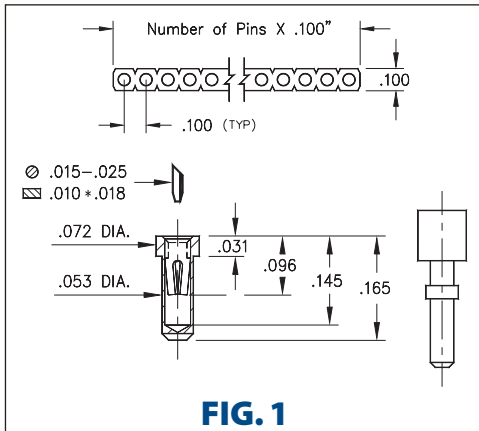
For
Electrical, Mechanical
& Environmental Data,
See page 264

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

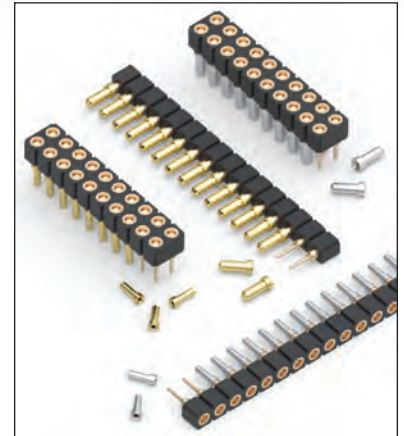


INTERCONNECTS

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



- 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

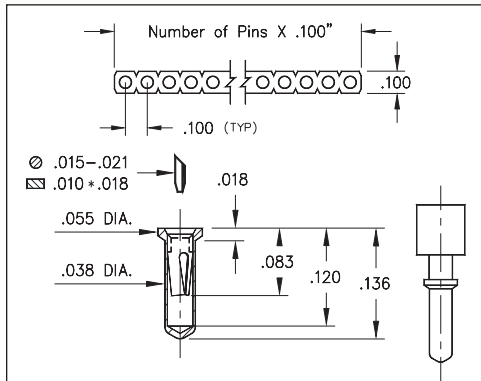


FIG. 1

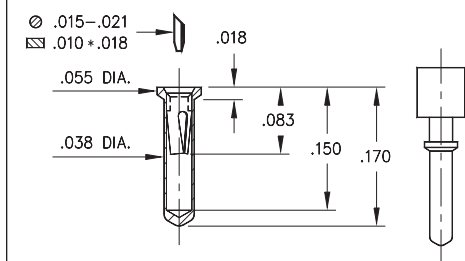


FIG. 2

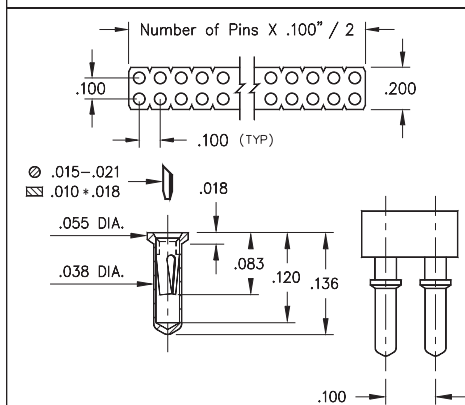


FIG. 3

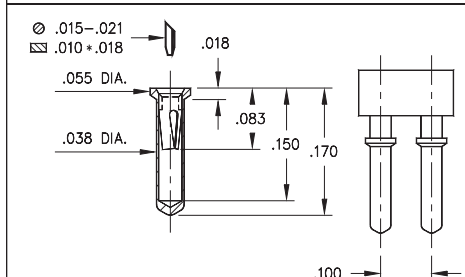
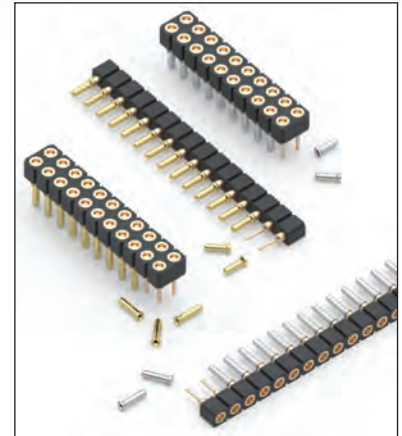


FIG. 4

- 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 & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)	91	93
Contact (Clip)	41	43
	200 μ"Sn/Pb	200 μ"Sn/Pb
	10 μ" Au	30 μ" Au
	200 μ"Sn	200 μ"Sn
	10 μ" Au	30 μ" Au

INTERCONNECTS

SERIES 335, 364, 435, 464 • .100" GRID (.018" DIA. PINS), LOW PROFILE • SINGLE AND DOUBLE ROW STRIPS

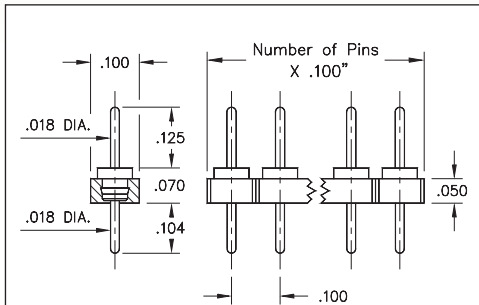


FIG. 1

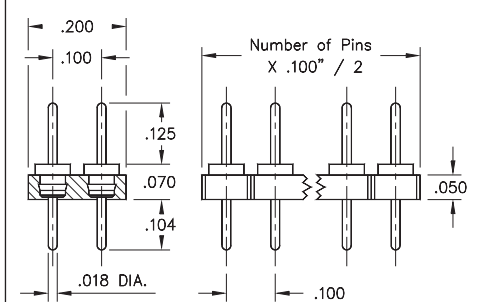


FIG. 2

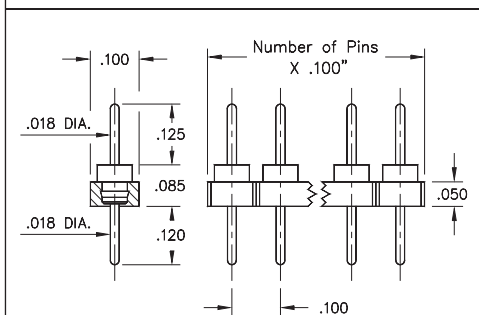


FIG. 3

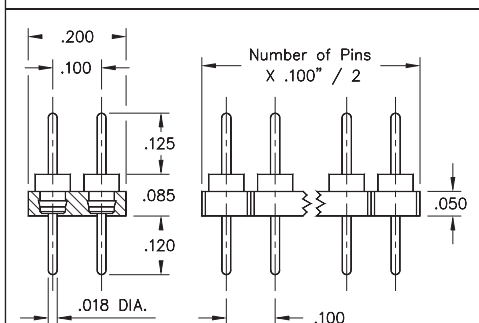
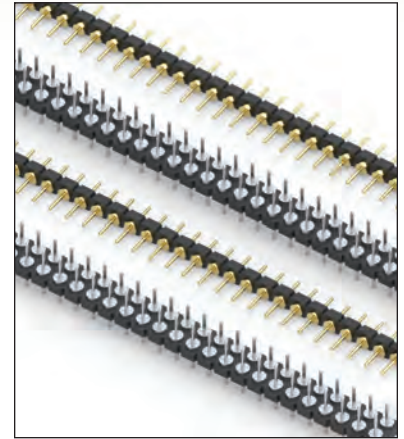


FIG. 4

- Series 335 and 435 single and double row PCB interconnects offer a .070" profile, the lowest available
- Series 364 and 464 single and double row PCB interconnects offer .085" profile above board
- Series 335 and 435 use MM #3516 pins. See page 212 for details
- Series 364 and 464 use MM #6458 pins. See page 213 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 335...160	Single Row .070" Profile Pin Header		
	335-XX-1	-00-160000	Specify number of pins 01-32	
FIG. 2	Series 435...160	Double Row .070" Profile Pin Header		
	435-XX-2	-00-160000	Specify number of pins 04-72	
FIG. 3	Series 364...580	Single Row .085" Profile Pin Header		
	364-10-1	-00-580000	Specify number of pins 01-32	
FIG. 4	Series 464...580	Double Row .085" Profile Pin Header		
	464-10-2	-00-580000	Specify number of pins 04-72	
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=		10	90	40
Pin Plating 		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn

INTERCONNECTS

SERIES 351 • .100" GRID INTERCONNECT HEADERS • SINGLE ROW STRIPS

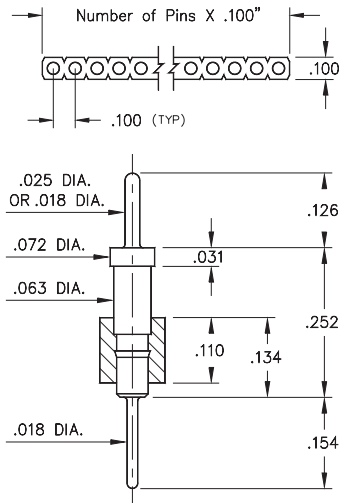


FIG. 1

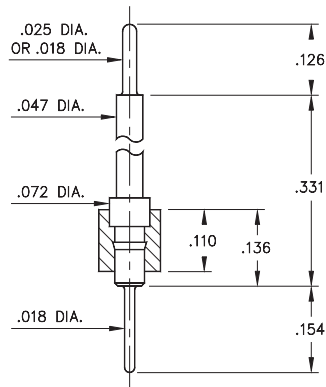


FIG. 2

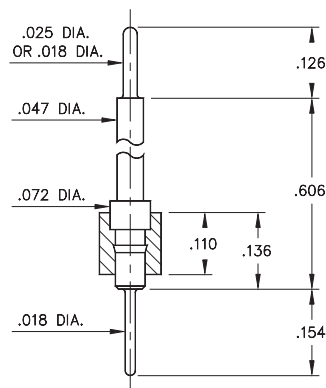


FIG. 3

- Series 351 interconnect header strips come in three lengths with .018" dia. pluggable solder tails at one end and .025" dia. pins at the other. Please see series:

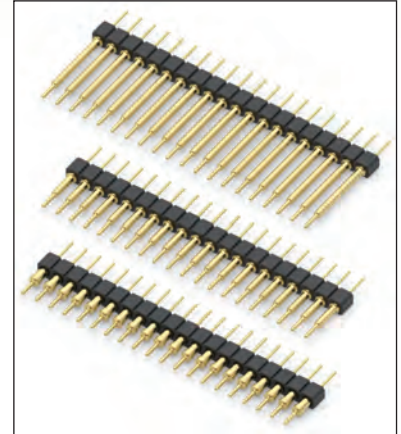
351...003 uses pin #5503
351...004 uses pin #5504
351...005 uses pin #5505

- .018" pluggable solder tails are available at both ends. Please see series:

351...009 uses pin #5509
351...010 uses pin #5510
351...011 uses pin #5511

See pages 212 and 214 for details

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



ORDERING INFORMATION

FIG. 1	Series 351...003	.018" / .025" Dia. Solder Tails
	351-10-1	-00-003000
	Specify number of pins	01-64
FIG. 2	Series 351...009	.018" / .018" Dia. Solder Tails
	351-10-1	-00-009000
	Specify number of pins	01-64
FIG. 3	Series 351...004	.018" / .025" Dia. Solder Tails
	351-10-1	-00-004000
	Specify number of pins	01-64
FIG. 3	Series 351...010	.018" / .018" Dia. Solder Tails
	351-10-1	-00-010000
	Specify number of pins	01-64
FIG. 3	Series 351...005	.018" / .025" Dia. Solder Tails
	351-10-1	-00-005000
	Specify number of pins	01-64
FIG. 3	Series 351...011	.018" / .018" Dia. Solder Tails
	351-10-1	-00-011000
	Specify number of pins	01-64
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating 		
10  10 μ" Au		

INTERCONNECTS

SERIES 451 • .100" GRID INTERCONNECT HEADERS • DOUBLE ROW STRIPS

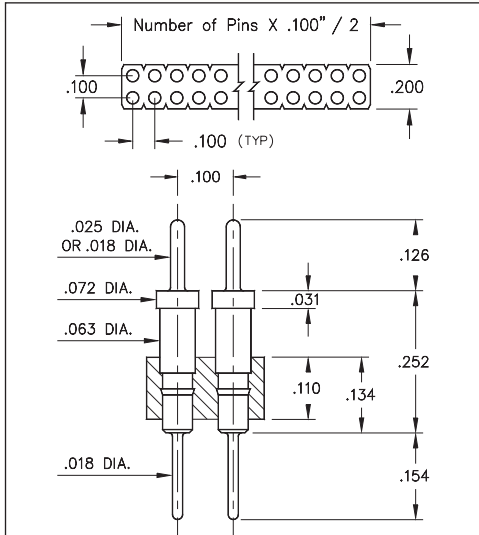


FIG. 1

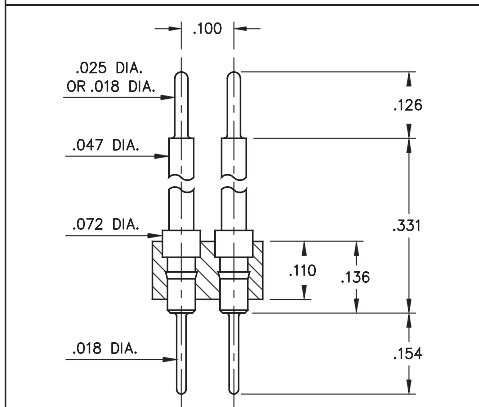


FIG. 2

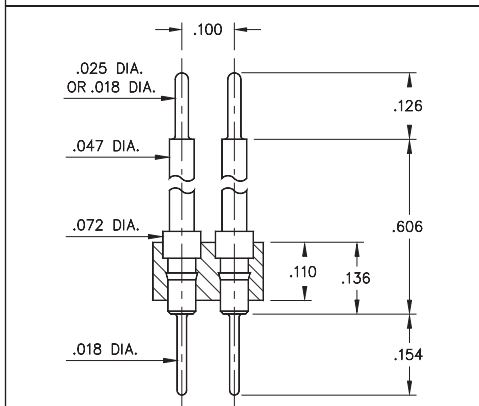


FIG. 3

- Series 451 interconnect header strips come in three lengths with .018" dia. pluggable solder tails at one end and .025" dia. pins at the other. Please see series:
451...003 uses pin #5503
451...004 uses pin #5504
451...005 uses pin #5505
- .018" pluggable solder tails are available at both ends. Please see series:
451...009 uses pin #5509
451...010 uses pin #5510
451...011 uses pin #5511
See pages 212 and 214 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 451...003	.018" / .025" Dia. Solder Tails
	451-10-2	-00-003000
	Specify number of pins	04-64
FIG. 2	Series 451...009	.018" / .018" Dia. Solder Tails
	451-10-2	-00-009000
	Specify number of pins	04-64
FIG. 3	Series 451...004	.018" / .025" Dia. Solder Tails
	451-10-2	-00-004000
	Specify number of pins	04-64
FIG. 3	Series 451...010	.018" / .018" Dia. Solder Tails
	451-10-2	-00-010000
	Specify number of pins	04-64
FIG. 3	Series 451...005	.018" / .025" Dia. Solder Tails
	451-10-2	-00-005000
	Specify number of pins	04-64
FIG. 3	Series 451...011	.018" / .018" Dia. Solder Tails
	451-10-2	-00-011000
	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=		
Pin Plating	10 μ Au	

INTERCONNECTS

SERIES 334 • .100" GRID INTERCONNECT HEADERS • SINGLE ROW STRIPS

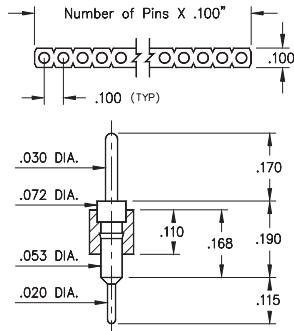


FIG. 1

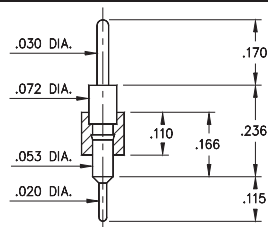


FIG. 2

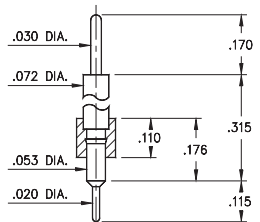


FIG. 3

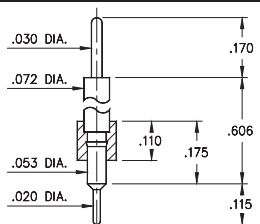


FIG. 4

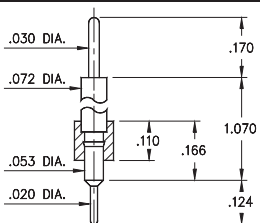


FIG. 5

- Series 334 interconnect header strips are available in 5 lengths:

334...020 uses pin #3402 (L = .190")

334...010 uses pin #3401 (L = .236")

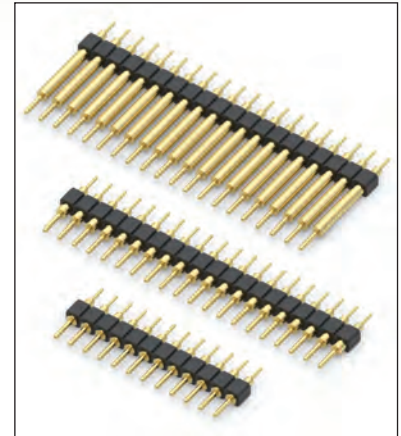
334...050 uses pin #3405 (L = .315")

334...000 uses pin #3400 (L = .606")

334...100 uses pin #3410 (L = 1.070")

See page 215 for details

- Strips come with .020" pluggable soldertails at one end and .030" tails at the other
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 334...020	.020" / .030" Dia. Solder Tails
	334-XX-1	-00-020000 Specify number of pins 01-64
FIG. 2	Series 334...010	.020" / .030" Dia. Solder Tails
	334-XX-1	-00-010000 Specify number of pins 01-64
FIG. 3	Series 334...050	.020" / .030" Dia. Solder Tails
	334-XX-1	-00-050000 Specify number of pins 01-64
FIG. 4	Series 334...000	.020" / .030" Dia. Solder Tails
	334-XX-1	-00-000000 Specify number of pins 01-64
FIG. 5	Series 334...100	.020" / .030" Dia. Solder Tails
	334-XX-1	-00-100000 Specify number of pins 01-64
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating		
10	90	40
10 μ" Au	200 μ" Sn/Pb	200 μ" Sn

INTERCONNECTS

SERIES 342 • .100" GRID BOARD STACKING HEADERS • SINGLE ROW STRIPS

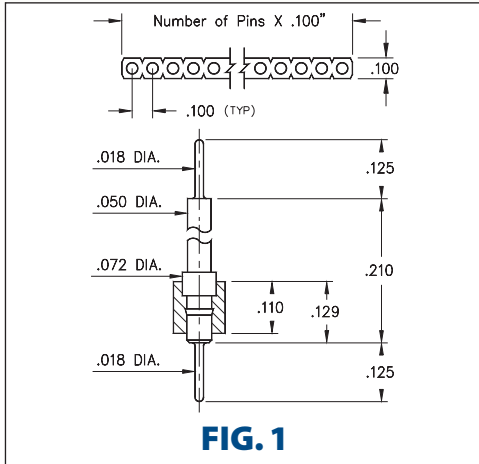


FIG. 1

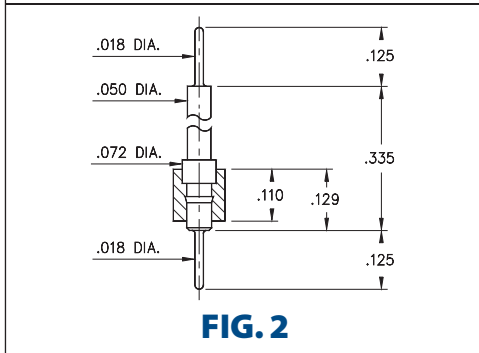


FIG. 2

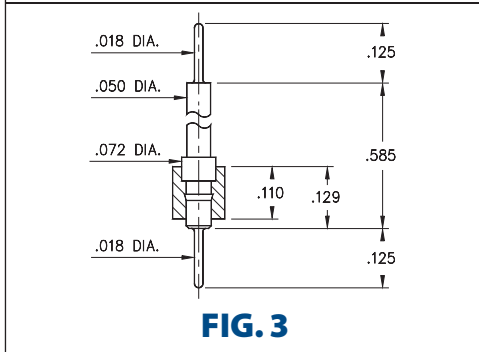


FIG. 3

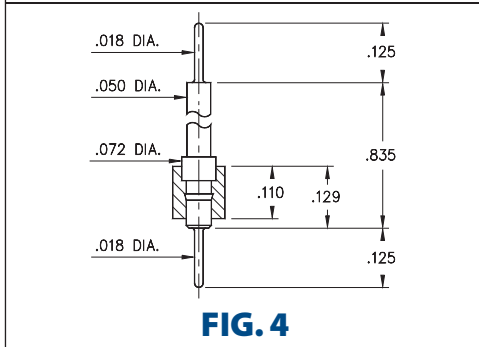
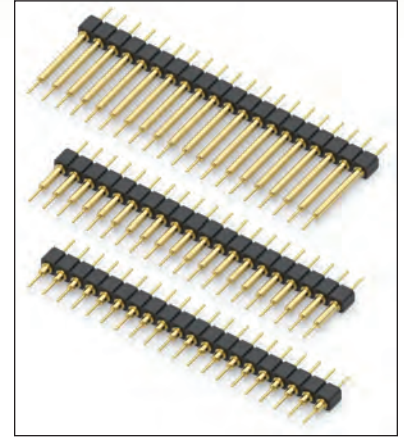


FIG. 4

- Series 342 interconnect header strips come in four heights with .018" dia. pluggable solder tails at both ends

342...591 uses pin #4259-1 (L = .210")
 342...592 uses pin #4259-2 (L = .335")
 342...593 uses pin #4259-3 (L = .585")
 342...594 uses pin #4259-4 (L = .835")
 See page 212 for details

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



ORDERING INFORMATION

FIG. 1	Series 342...591	.018" / .018" Dia. Solder Tails		
	342-XX-1	-00-591000	Specify number of pins	01-64
FIG. 2	Series 342...592	.018" / .018" Dia. Solder Tails		
	342-XX-1	-00-592000	Specify number of pins	01-64
FIG. 3	Series 342...593	.018" / .018" Dia. Solder Tails		
	342-XX-1	-00-593000	Specify number of pins	01-64
FIG. 4	Series 342...594	.018" / .018" Dia. Solder Tails		
	342-XX-1	-00-594000	Specify number of pins	01-64
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=		10	90	40
Pin Plating		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn

INTERCONNECTS

SERIES 442 • .100" GRID BOARD STACKING HEADERS • DOUBLE ROW STRIPS

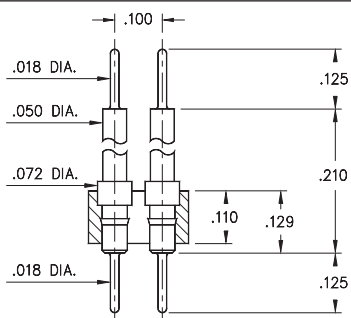


FIG. 1

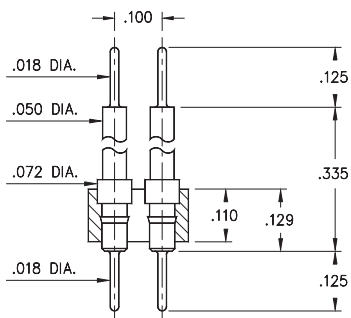


FIG. 2

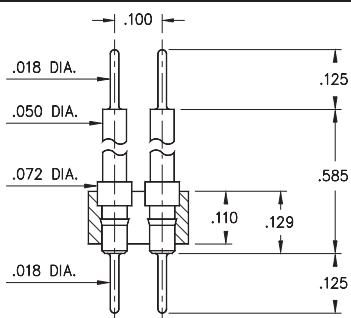


FIG. 3

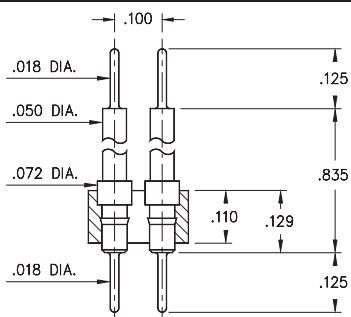


FIG. 4

- Series 442 interconnect header strips come in four heights with .018" dia. pluggable solder tails at both ends

442...591 uses pin #4259-1 (L = .210")

442...592 uses pin #4259-2 (L = .335")

442...593 uses pin #4259-3 (L = .585")

442...594 uses pin #4259-4 (L = .835")

See page 212 for details

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



ORDERING INFORMATION

FIG. 1	Series 442...591 .018" / .018" Dia. Solder Tails	
	442-XX-2	-00-591000
	Specify number of pins	04-64
FIG. 2	Series 442...592 .018" / .018" Dia. Solder Tails	
	442-XX-2	-00-592000
	Specify number of pins	04-64
FIG. 3	Series 442...593 .018" / .018" Dia. Solder Tails	
	442-XX-2	-00-593000
	Specify number of pins	04-64
FIG. 4	Series 442...594 .018" / .018" Dia. Solder Tails	
	442-XX-2	-00-594000
	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=		
Pin Plating		
10	90	40
10 μ" Au	200 μ" Sn/Pb	200 μ" Sn

INTERCONNECTS

SERIES 350, 360, 370, 380 • .100" GRID SOLDER TAIL • SINGLE ROW STRIPS

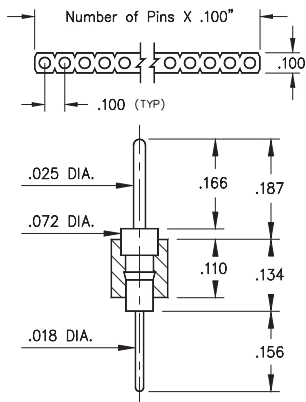


FIG. 1

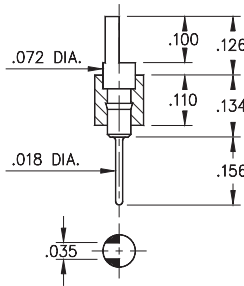


FIG. 2

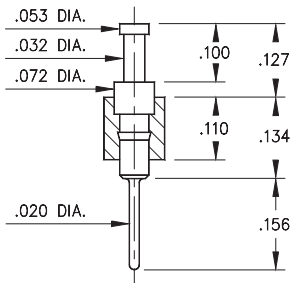


FIG. 3

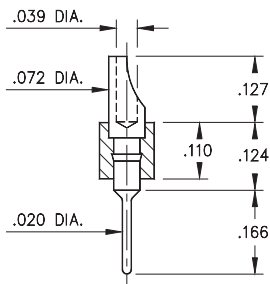


FIG. 4

- Series 350, 360, 370 & 380 single row header strips come in various styles (pin, slotted, head, turret and solder cup) with pluggable solder tails

350...001 uses pin #0290

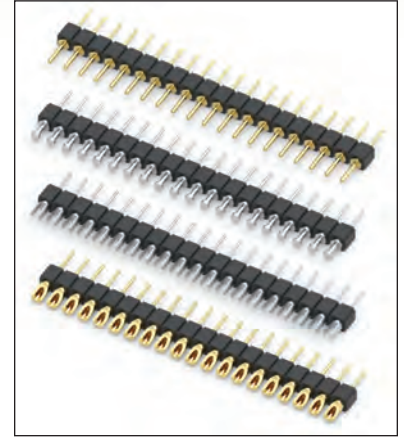
360...001 uses pin #0282

370...001 uses pin #0700

380...001 uses pin #8000

See pages 215 and 216 for details

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



ORDERING INFORMATION

FIG. 1	Series 350...001	.025" / .018" Dia. Solder Tails		
	350-XX-1	-00-001000	Specify number of pins 01-64	
FIG. 2	Series 360...001	Slotted Head / Solder Tail		
	360-XX-1	-00-001000	Specify number of pins 01-64	
FIG. 3	Series 370...001	Turret / Solder Tail		
	370-XX-1	-00-001000	Specify number of pins 01-64	
FIG. 4	Series 380...001	Solder Cup / Solder Tail		
	380-XX-1	-00-001000	Specify number of pins 01-64	
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=		10	90	40
Pin Plating		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn

INTERCONNECTS

SERIES 450, 460, 470, 480 • .100" GRID SOLDER TAIL • DOUBLE ROW STRIPS

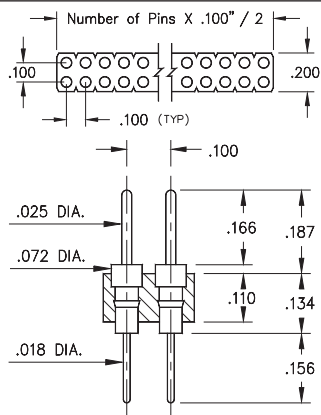


FIG. 1

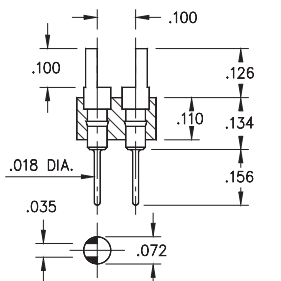


FIG. 2

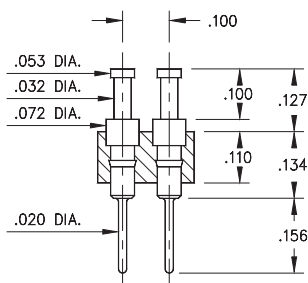


FIG. 3

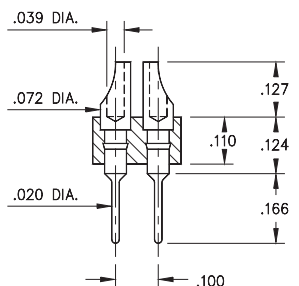


FIG. 4

- Series 450, 460, 470 & 480 double row header strips come in various styles (pin, slotted, head, turret and solder cup) with pluggable solder tails

450...001 uses pin #0290

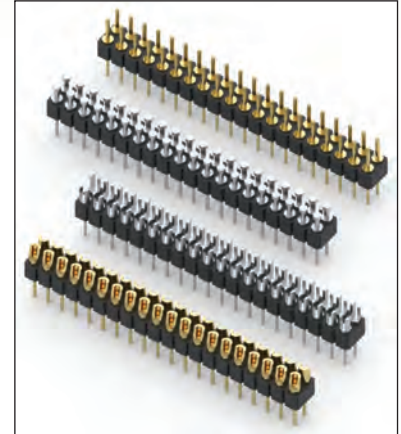
460...001 uses pin #0282

470...001 uses pin #0700

480...001 uses pin #8000

See pages 215 and 216 for details

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



ORDERING INFORMATION

FIG. 1	Series 450...001	.025" / .018" Dia. Solder Tails		
	450-XX-2	-00-001000	Specify number of pins	
FIG. 2	Series 460...001	Slotted Head / Solder Tail		
	460-10-2	-00-001000	Specify number of pins	
FIG. 3	Series 470...001	Turret / Solder Tail		
	470-XX-2	-00-001000	Specify number of pins	
FIG. 4	Series 480...001	Solder Cup / Solder Tail		
	480-10-2	-00-001000	Specify number of pins	
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=		10	90	40
Pin Plating		10 μ" Au	200 μ" Sn/Pb	200 μ" Sn



INTERCONNECTS

SERIES 353, 362, 363, 373, 382, 383 • .100" GRID WRAPOST • SINGLE ROW STRIPS

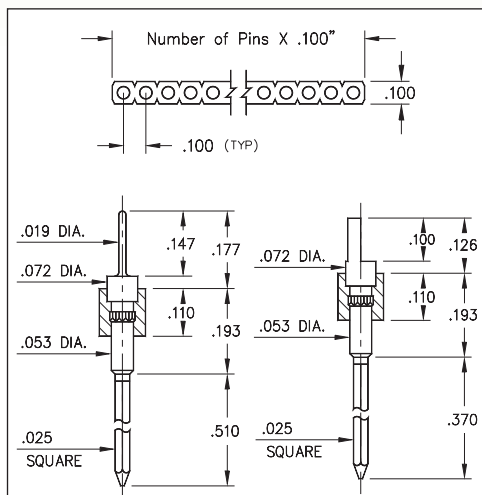


FIG. 1

FIG. 2

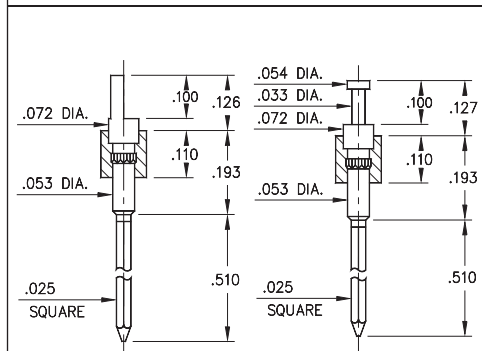


FIG. 3

FIG. 4

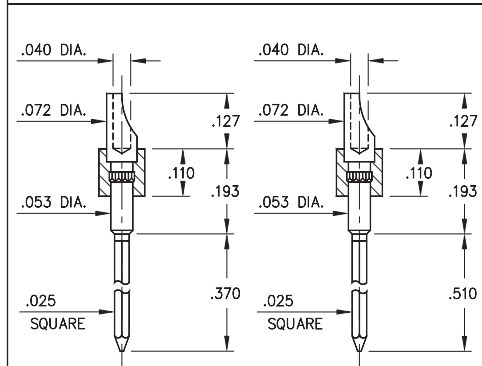


FIG. 5

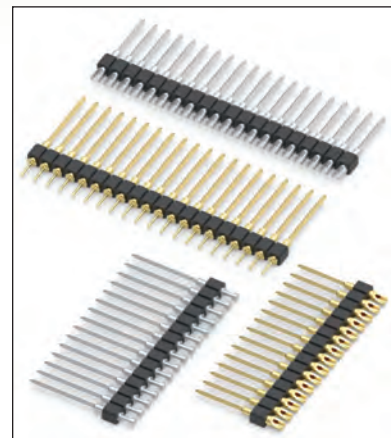
FIG. 6

- Series 353, 362, 363, 373, 382 and 383 single row header strips come in various styles (pin, slotted head, turret and solder cup) with wrapost tails

353...001 uses pin #5301
 362...001 uses pin #1106-2
 363...001 uses pin #1106-3
 373...001 uses pin #0730-3
 382...001 uses pin #8301-2
 383...001 uses pin #8301-3

See pages 227 and 228 for details

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



ORDERING INFORMATION

FIG. 1	Series 353...001	Pin / 3 Level Wrapost
	353-XX-1	-00-001000 Specify number of pins 01-64
FIG. 2	Series 362...001	Slotted Head / 2 Level Wrapost
	362-XX-1	-00-001000 Specify number of pins 01-64
FIG. 3	Series 363...001	Slotted Head / 3 Level Wrapost
	363-XX-1	-00-001000 Specify number of pins 01-64
FIG. 4	Series 373...001	Turret / 3 Level Wrapost
	373-XX-1	-00-001000 Specify number of pins 01-64
FIG. 5	Series 382...001	Solder Cup / 2 Level Wrapost
	382-XX-1	-00-001000 Specify number of pins 01-64
FIG. 6	Series 383...001	Solder Cup / 3 Level Wrapost
	383-XX-1	-00-001000 Specify number of pins 01-64
RoHS - 2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating 		
10 	90	40 
10 μ" Au	200 μ" Sn/Pb	200 μ" Sn



INTERCONNECTS

SERIES 453, 463, 473, 483 • .100" GRID WRAPOST • DOUBLE ROW STRIPS

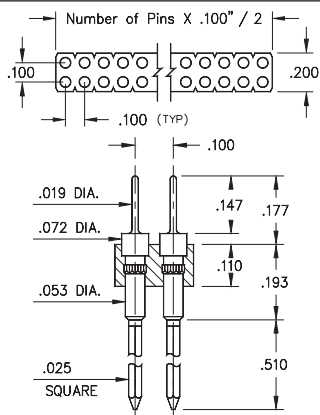


FIG. 1

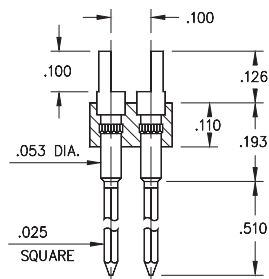


FIG. 2

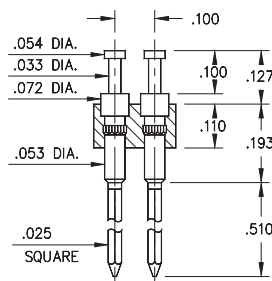


FIG. 3

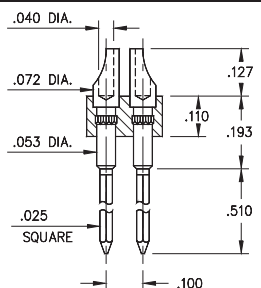


FIG. 4

- Series 453, 463, 473, and 483 double row header strips come in various styles (pin, slotted head, turret and solder cup) with wrapost tails

453...001 uses pin #5301

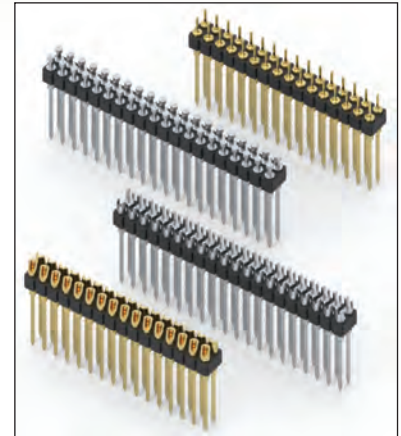
463...001 uses pin #1106-3

473...001 uses pin #0730-3

483...001 uses pin #8301-3

See pages 227 and 228 for details

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



ORDERING INFORMATION

FIG. 1	Series 453...001 Pin / 3 Level Wrapost	
	453-10-2	-00-001000
	Specify number of pins	04-64
FIG. 2	Series 463...001 Slotted Head / 3 Level Wrapost	
	463-XX-2	-00-001000
	Specify number of pins	02-64
FIG. 3	Series 473...001 Turret / 3 Level Wrapost	
	473-XX-2	-00-001000
	Specify number of pins	04-64
FIG. 4	Series 483...001 Solder Cup / 3 Level Wrapost	
	483-XX-2	-00-001000
	Specify number of pins	02-64
RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Enviromental Data, See page 264		
SPECIFY PLATING CODE XX=		
Pin Plating	10	90
	10 μ " Au	200 μ " Sn/Pb
		40
		200 μ " Sn

INTERCONNECTS

SERIES 302, 330, 370, 380 DISCRETE INSULATED PINS

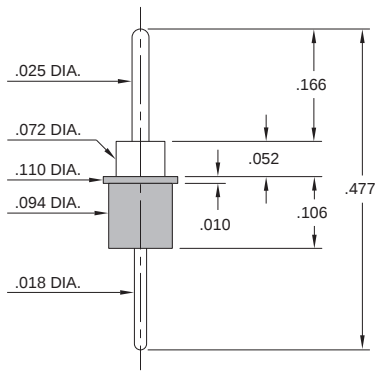


FIG. 1

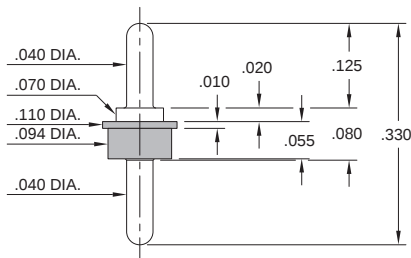


FIG. 2

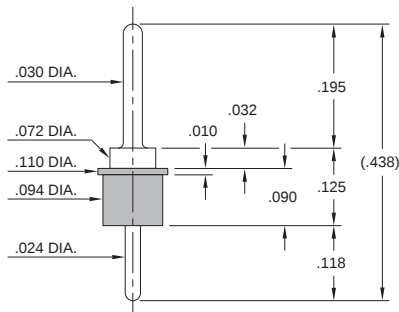


FIG. 3

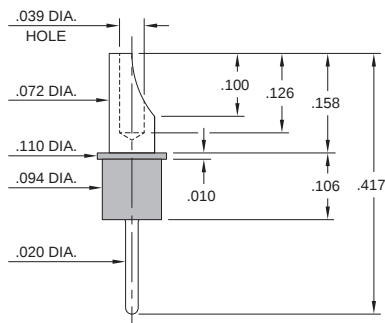


FIG. 4

- Series 302, 330, 370 and 380 insulated parts are offered in double tail & solder cup styles

302-10-001-00-900800 uses pin #0290-0

330-10-001-00-770800 uses pin #3077-0

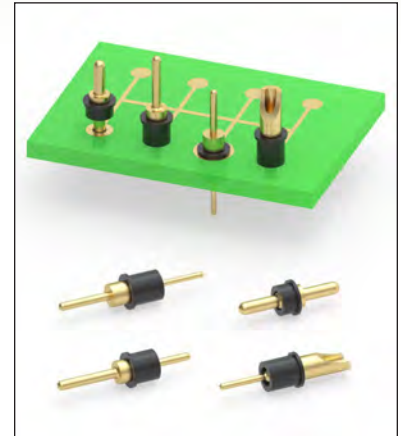
370-10-001-00-070800 uses pin #7007-0

380-10-001-00-000800 uses pin #8000-0

See pages 162, 165, 215 and 216 for details

- Insulated terminals are used to electrically isolate single pin interconnects in an assembly. The plastic sleeve provides insulation of the terminal from nearby conductive components or for applications such as mounting through a metal panel or other non-insulated housing. The sleeve also facilitates the handling of small, individual terminals and can provide mechanical support for pins mounted on or through printed circuit boards

- Insulators are high temperature thermoplastic, suitable for most soldering operations



ORDERING INFORMATION

FIG. 1	Series 302...900800	Double tail Pin with Sleeve
	302-10-001-00-900800	
FIG. 2	Series 330...770800	Double tail Pin with Sleeve
	330-10-001-00-770800	
FIG. 3	Series 370...070800	Double tail Pin with Sleeve
	370-10-001-00-070800	
FIG. 4	Series 380...000800	Soldercup pin with Sleeve
	380-10-001-00-000800	

SPECIFICATIONS:

Insulating Sleeve tolerance: $\pm .003$

Packaging: Bulk



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	10			
Pin Plating	10 μ " Au			



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INTERCONNECTS

SERIES 305, 310 DISCRETE INSULATED RECEPTACLES

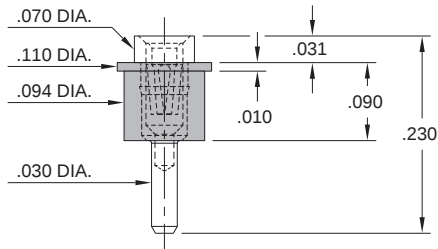


FIG. 1

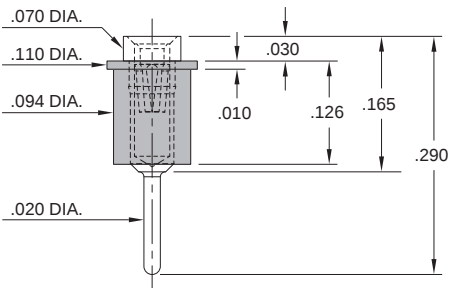


FIG. 2

- Series 305 and 310 single position insulated parts are offered in standard and low profile styles

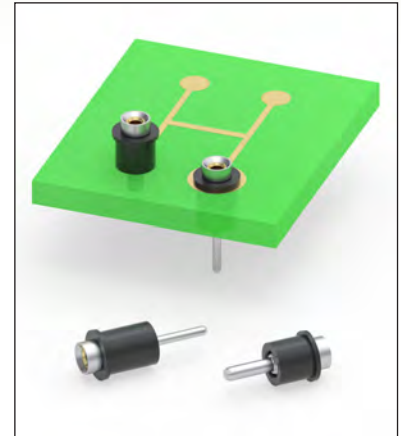
305-43-001-30-010800 uses pin #0501-0

310-43-001-30-010800 uses pin #1001-0

See pages 162 and 165 for details

- Insulated terminals are used to electrically isolate single pin interconnects in an assembly. The plastic sleeve provides insulation of the terminal from nearby conductive components or for applications such as mounting through a metal panel or other non-insulated housing. The sleeve also facilitates the handling of small, individual terminals and can provide mechanical support for pins mounted on or through printed circuit boards

- Insulators are high temperature thermoplastic, suitable for most soldering operations



ORDERING INFORMATION

FIG. 1	Series 305...010800	Receptacle with Sleeve
	305-43-001-30-010800	
FIG. 2	Series 310...010800	Receptacle with Sleeve
	310-43-001-30-010800	

SPECIFICATIONS:

Insulating Sleeve tolerance: $\pm .003$

Packaging: Bulk



XX=Plating Code
See Below

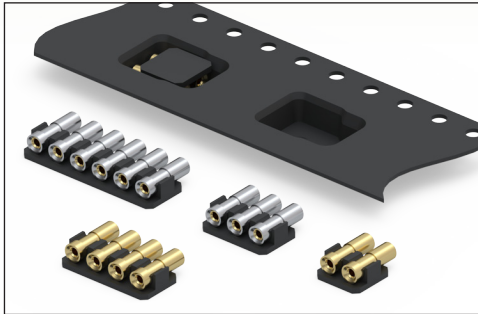
For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=			43					
Sleeve (Pin)			200 μ " Sn					
Contact (Clip)			30 μ " Au					



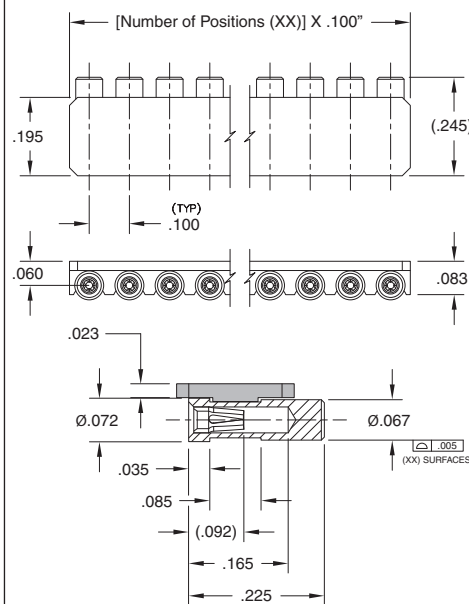
INTERCONNECTS

SERIES 835 • .100" GRID HORIZONTAL SURFACE MOUNT SOCKET WITH REMOVEABLE INSULATOR • SINGLE ROW STRIPS

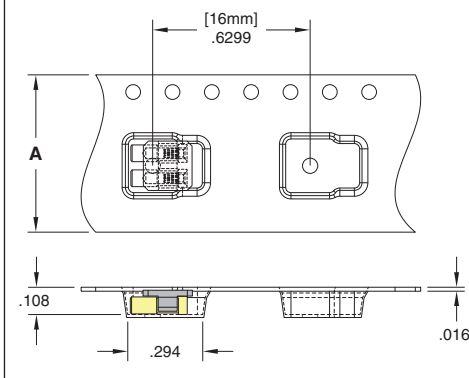


- Horizontal surface mount sockets with removeable insulator for minimal profile connections
- Ideal for daisy chaining of P.C.B.'s when mated with horizontal surface mount header series 328-XX-1XX-40-020001
- Series 835 single row .100" grid sockets uses Hi-Rel, 4-finger BeCu #30 contact rated at 3amps. See page 162.1 for details
- High temperature thermoplastic insulators are suitable for surface mount soldering processes
- The 835 series are packaged on tape & reel - 16, 24, 32 or 44 mm wide x 16 mm pitch, making them simple to integrate into existing pick & place equipment and assembly processes. The tape packaging is per EIA-481-D

Series 835 Single Row



Series 835 (Tape Pocket Details)



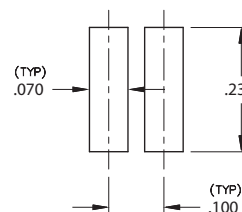
ORDERING INFORMATION

Series 835 (Tape & Reel Packaged)

835-XX-0XX-40-030001

Specify number of contacts 02-10

Number of Contacts	Tape Width Size (A)	Quantity per Reel
2	16mm	1,450
3	16mm	1,450
4	24mm	1,450
5	24mm	1,450
6	24mm	1,450
7	32mm	1,450
8	32mm	1,450
9	44mm	1,450
10	44mm	1,450



Suggested P.C.B. Footprint

RoHS - 2
2011/65/EU

XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

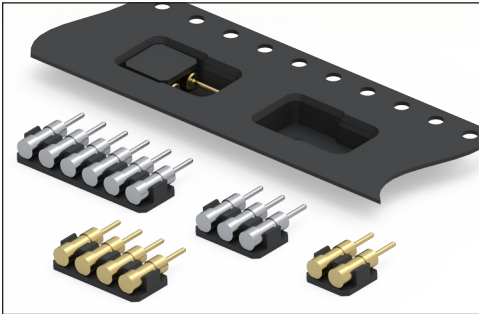
SPECIFY PLATING CODE XX=	13	43
Sleeve (Pin)	10 μ " Au	200 μ " Sn
Contact (Clip)	30 μ " Au	30 μ " Au



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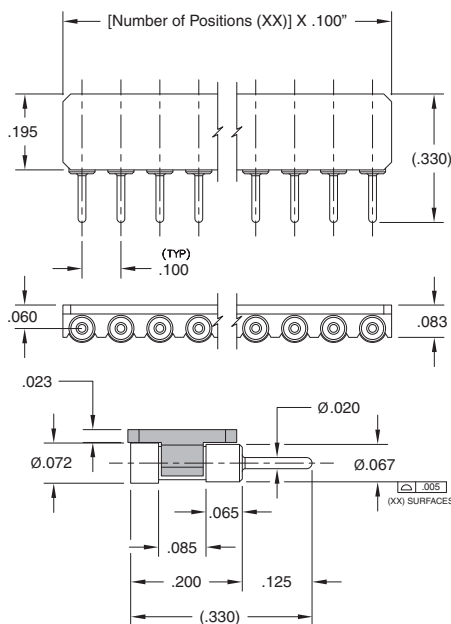
INTERCONNECTS

SERIES 328 • .100" GRID HORIZONTAL SURFACE MOUNT HEADER WITH REMOVEABLE INSULATOR • SINGLE ROW STRIPS

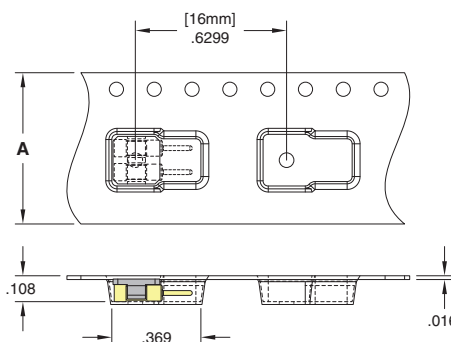


- Horizontal surface mount headers with removeable insulator for minimal profile connections
- Ideal for daisy chaining of P.C.B.'s when mated with horizontal surface mount socket series 835-XX-0XX-40-030001
- Series 328 single row .100" grid headers use MM #2820 pins. See page 207 for details
- High temperature thermoplastic insulators are suitable for surface mount soldering processes
- The 328 series are packaged on tape & reel - 16, 24, 32 or 44 mm wide x 16 mm pitch, making them simple to integrate into existing pick & place equipment and assembly processes. The tape packaging is per EIA-481-D

Series 328 Single Row



Series 328 (Tape Pocket Details)



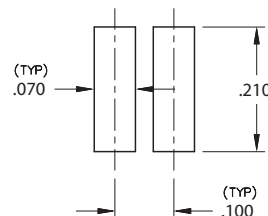
ORDERING INFORMATION

Series 328 (Tape & Reel Packaged)

328-XX-1XX-40-020001

Specify number of contacts 02-10

Number of Contacts	Tape Width Size (A)	Quantity per Reel
2	16mm	1,450
3	16mm	1,450
4	24mm	1,450
5	24mm	1,450
6	24mm	1,450
7	32mm	1,450
8	32mm	1,450
9	44mm	1,450
10	44mm	1,450



Suggested
P.C.B. Footprint

RoHS-2
2011/65/EU

XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	10 ◆	40 ◆
Pin Plating 	10 μ" Au	200 μ" Sn



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