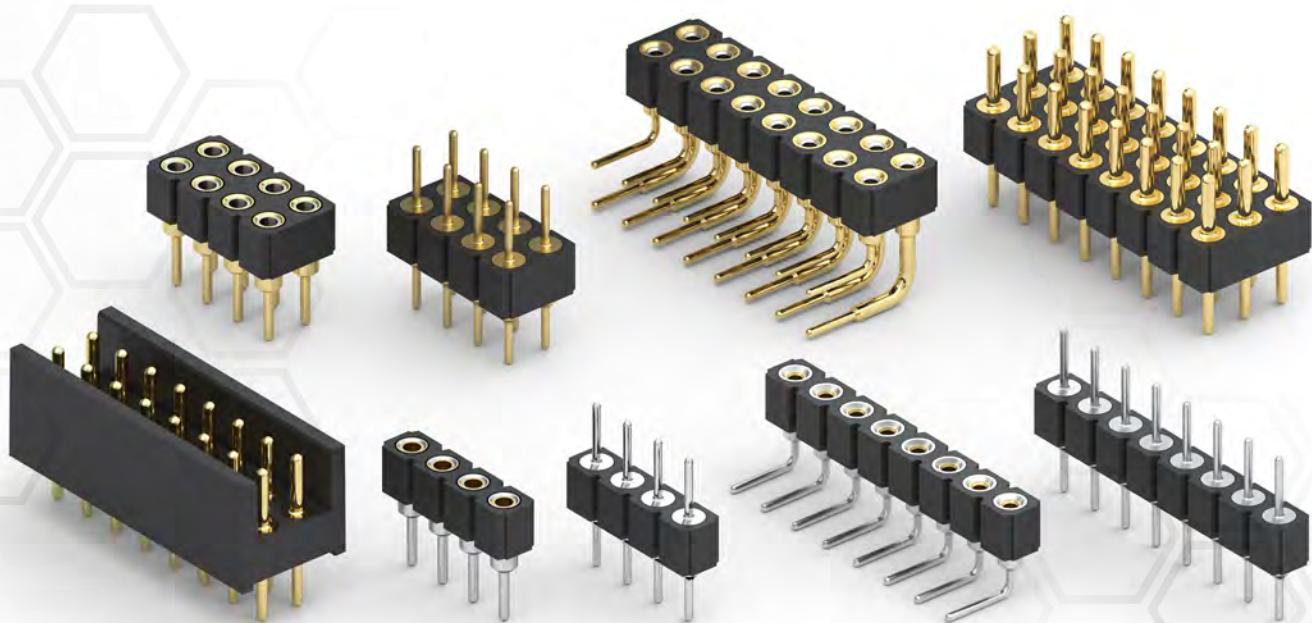




WWW.MILL-MAX.COM

BOARD-TO-BOARD INTERCONNECTS



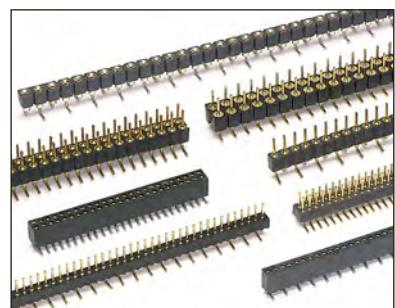
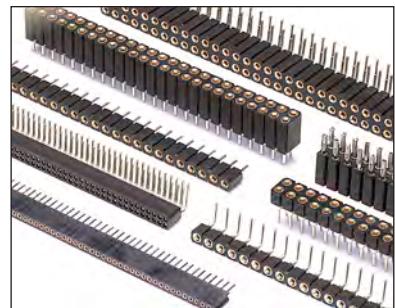


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MILL-MAX HEADER AND SOCKET INTERCONNECTS OFFER AN IDEAL SOLUTION TO THE BOARD-TO-BOARD INTERCONNECT CHALLENGES THAT DESIGN ENGINEERS FACE EVERY DAY. We offer a variety of options to accommodate everything from space-saving, fine-pitch requirements, 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.

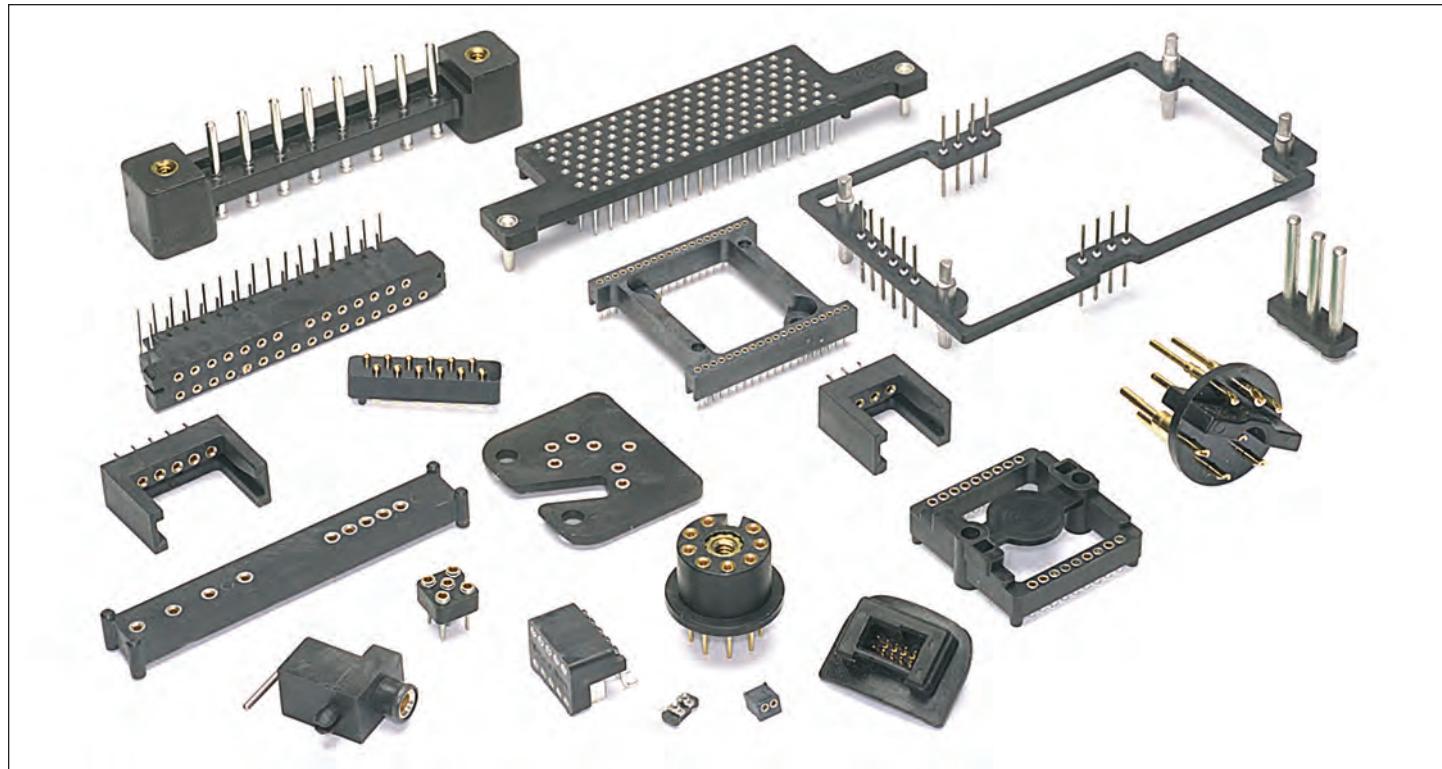
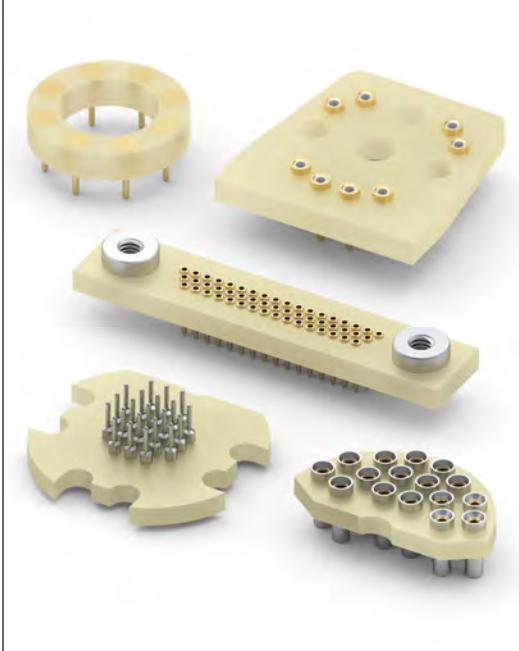
If you have a high-volume connector application, Mill-Max can provide a superior molded insulator solution that will keep your costs in check.

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 0.51, 0.79, 1.19, 1.57, 2.36 and 3.18 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.)

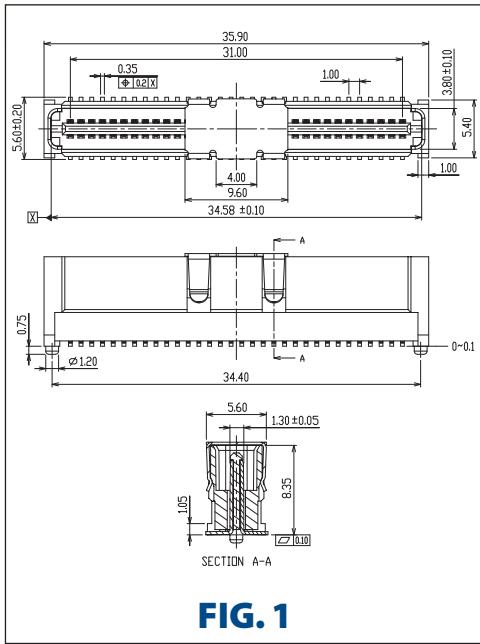
Please contact us with your custom application by completing our Custom Product Worksheet on page 247.

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

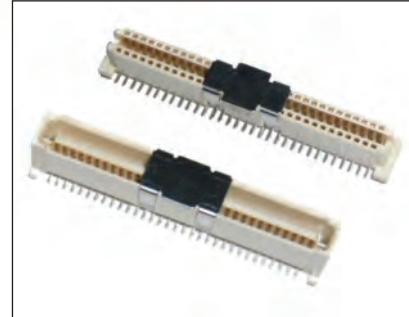


INTERCONNECTS

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

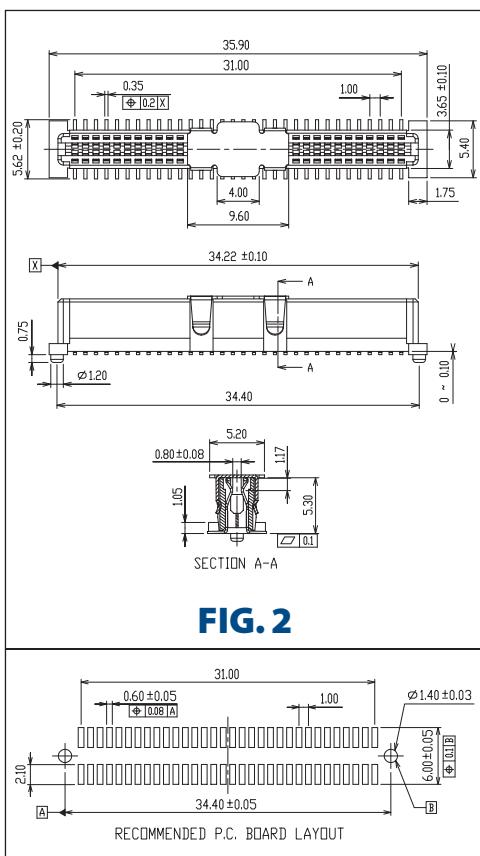


- 64 Position Mezzanine Connectors for board stacking
- 1 mm Centerline high density packaging
- Mated connector board stacking height of 10 mm
- Conforms to EIA-700 AAAB for IEEE 1386 applications
- Tape & Reel packaged per EIA-783 (56 mm wide; 16 mm pitch)
- Insulators are high temperature thermoplastic, 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 330mm reel
FIG. 2	Series 893...420 1mm Surface Mount Female Connector
	893-43-064-30-420000 Tape and Reel Packaging: 600 Parts per 330mm reel



Technical Specifications

Materials:

Terminals and Contacts: Phosphor Bronze
Plating: Contact area - 0.76µm Gold over Nickel
Solder Terminals - 1.9µm Tin over Nickel
Vacuum Cap: Stainless Steel
Insulator Material: High temperature glass filled LCP, rated UL 94V-0



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

INTERCONNECTS

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

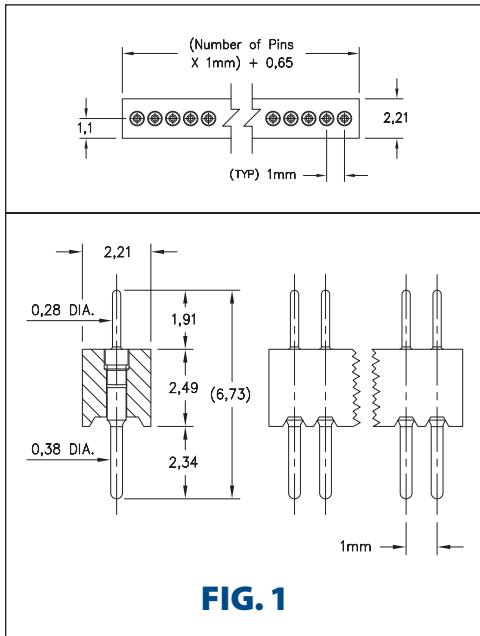


FIG. 1

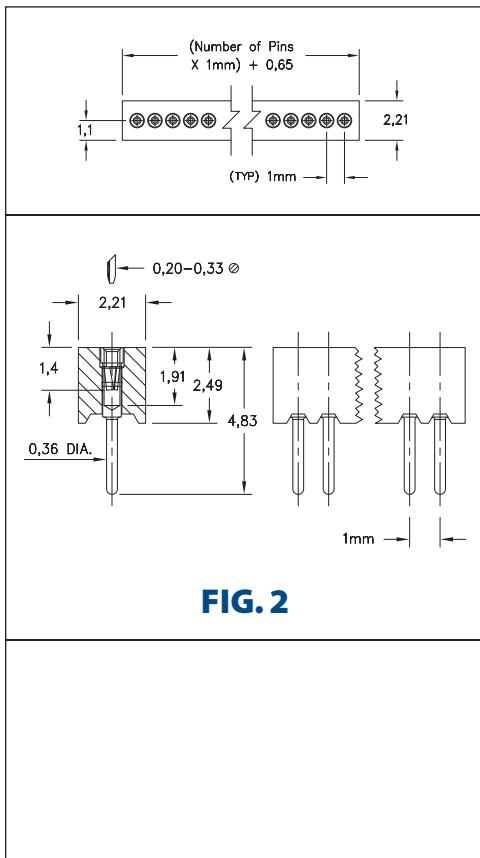
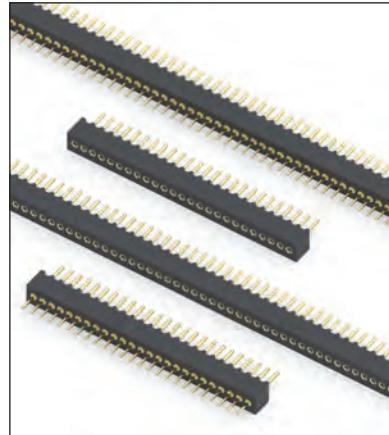


FIG. 2

- Series 860 headers and Series 861 sockets are single row, 1mm pitch interconnects rated at 2 amps
- Series 860 headers have 0,38 diameter solder tails and 0,28 diameter pluggable pins (MM #3039) See page 208 for details
- Series 861 sockets have 0,36 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 4,98 for board stacking applications
- Insulators are high temperature thermoplastic, suitable for most soldering processes, and feature standoffs to promote solder flow

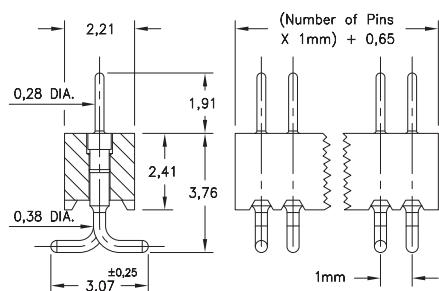
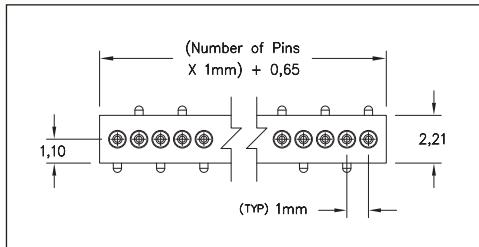


ORDERING INFORMATION

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				
SPECIFY PLATING CODE XX=	10	XX=Plating Code See Below	For Electrical, Mechanical & Environmental Data, See page 264	
Pin Plating	0,25µm 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				
SPECIFY PLATING CODE XX=	13	XX=Plating Code See Below	For Electrical, Mechanical & Environmental Data, See page 264	
Sleeve (Pin)	0,25µm Au			
Contact (Clip)	0,76µm Au			

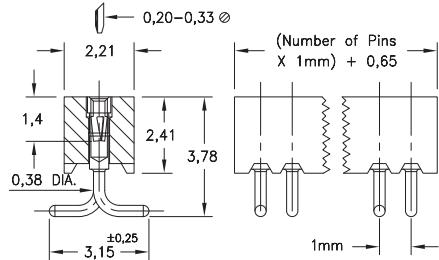
INTERCONNECTS

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



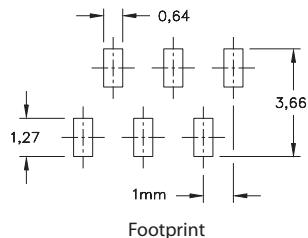
Coplanarity 0,13. For pin counts >20 positions, consult Technical Support.

FIG. 1



Coplanarity 0,13. For pin counts >20 positions, consult Technical Support.

FIG. 2

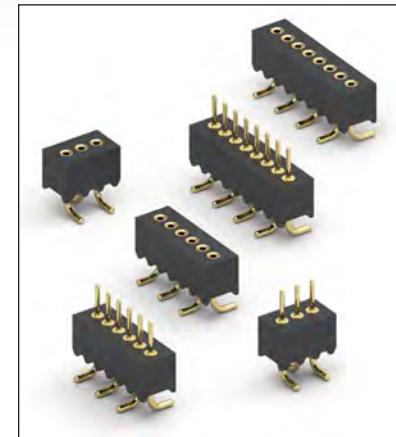


- Series 860 surface mount gull wing headers have 0,28 dia. pluggable pins for Surface Mount soldering to the P.C.B. (MM #3039). See page 208 for details

- Series 861 surface mount gull wing sockets uses MM #0439 receptacles that accept pin diameters from 0,20 - 0,33. 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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	10			
Pin Plating	0,25µm Au			

FIG. 2	Series 861...002 Single Row Surface Mount Socket	
	861-13-0	-30-002000
	Specify number of pins	03-26



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	13			
Sleeve (Pin)	0,25µm Au			
Contact (Clip)	0,76µm Au			

INTERCONNECTS

SERIES 850, 851, 852, 853 • 1,27 GRID HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

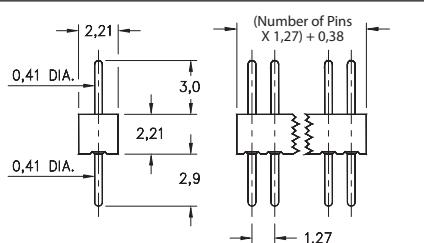


FIG. 1

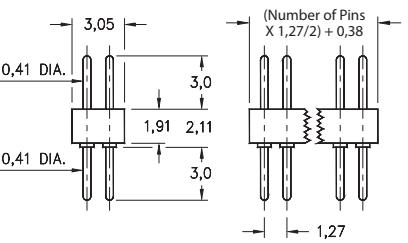


FIG. 2

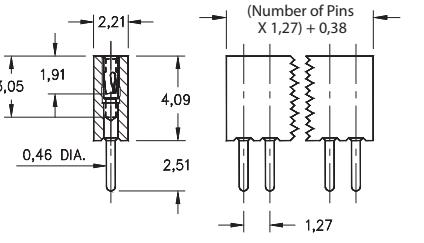


FIG. 3

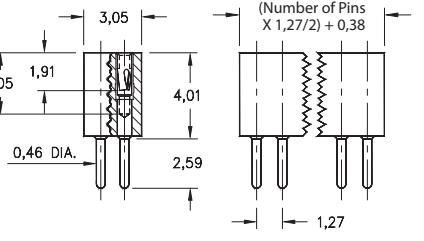


FIG. 4

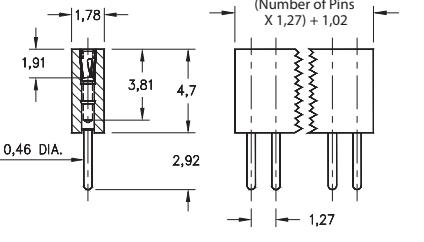
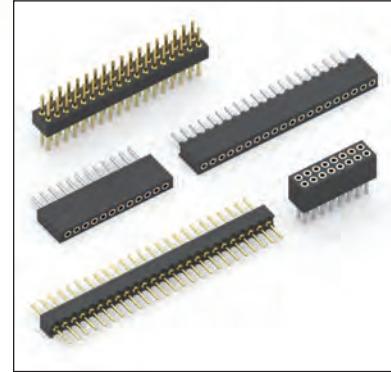


FIG. 5

- Series 850, 851, 852, 853 single and double row interconnects have 1,27 pin spacing and permit board stacking as low as 6,3
- Pin headers have 0,41 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 0,38 - 0,51). 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 2,21 Profile Pin Header		
	850-XX-0_ -10-001000 Specify number of pins 01-50		
FIG. 2	Series 852...001 Double Row 2,11 Profile Pin Header		
	852-XX- -10-001000 Specify number of pins 004-100		
		XX=Plating Code See Below	For Electrical, Mechanical & Environmental Data, See page 264
	SPECIFY PLATING CODE XX=	10 ◆ 90 40 ◆	
	Pin Plating	0,25µm Au 5,08µm Sn/Pb 5,08µm Sn	
FIG. 3	Series 851...001 Single Row 4,09 Profile Socket		
	851-XX-0_ -10-001000 Specify number of pins 01-50		
FIG. 4	Series 853...001 Double Row 4,09 Profile Socket		
	853-XX- -10-001000 Specify number of pins 004-100		
FIG. 5	Series 851...002 Single Row 4,7 Profile Socket		
	851-XX-0_ -10-002000 Specify number of pins 01-77		
		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)	5,08µm Sn/Pb 5,08µm Sn/Pb 5,08µm Sn/Pb 5,08µm Sn 5,08µm Sn 5,08µm Sn	
	Contact (Clip)	0,25µm Au 0,76µm Au 2,54µm Sn/Pb 0,25µm Au 0,76µm Au Au Flash	



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INTERCONNECTS

SERIES 851 & 853 • 1,27 GRID LONG TAIL SOCKETS • SINGLE AND DOUBLE ROW STRIPS

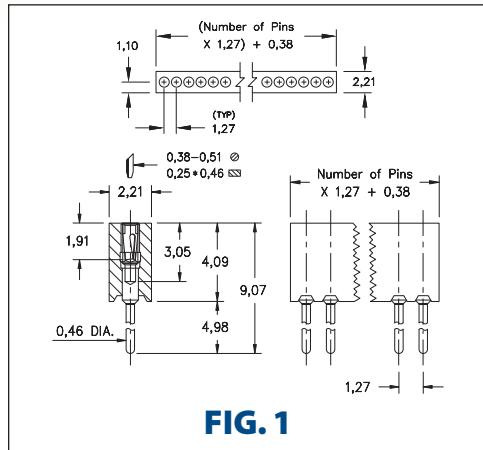


FIG. 1

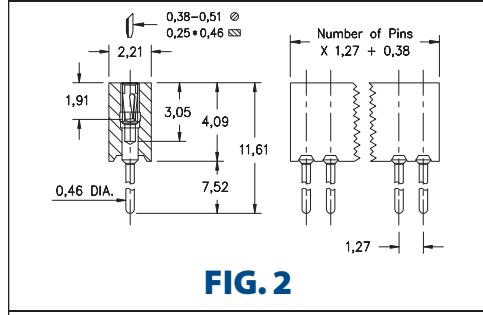


FIG. 2

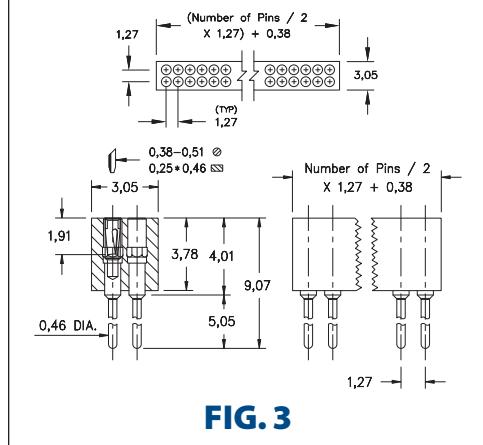


FIG. 3

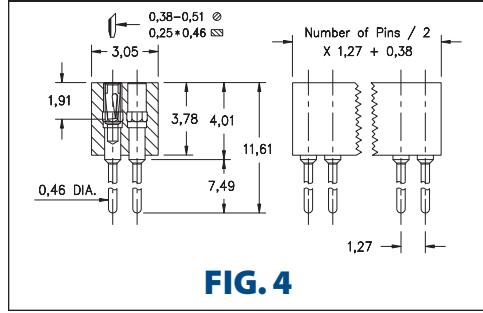
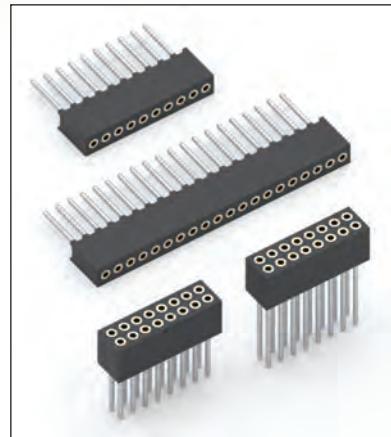


FIG. 4

- 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 0.38 - 0.51). 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
FIG. 2	Specify number of pins 01-50	
	851-XX-0	-10-021000
FIG. 3	Specify number of pins 004-100	
	853-XX-	-10-011000
FIG. 4	Specify number of pins 004-100	
	853-XX-	-10-021000

RoHS-2
2011/65/EU
XX=Plating Code
See Below
For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=					
Sleeve (Pin)		<input type="text"/>	<input type="text"/>	<input type="text"/>	41 43
Contact (Clip)		<input type="text"/>	<input type="text"/>	<input type="text"/>	5,08µm Sn 5,08µm Sn
		<input type="text"/>	<input type="text"/>	<input type="text"/>	0,25µm Au 0,76µm Au

INTERCONNECTS

SERIES 850, 851, 852, 853 • 1,27 GRID SOLDER CUP HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

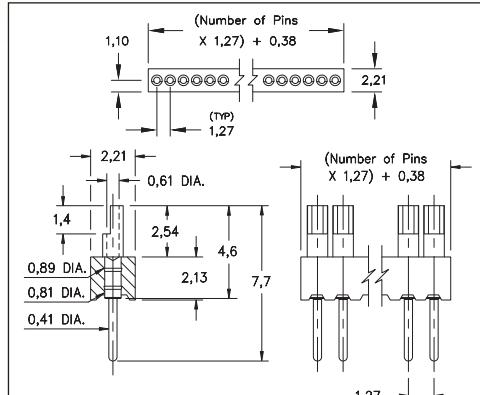


FIG. 1

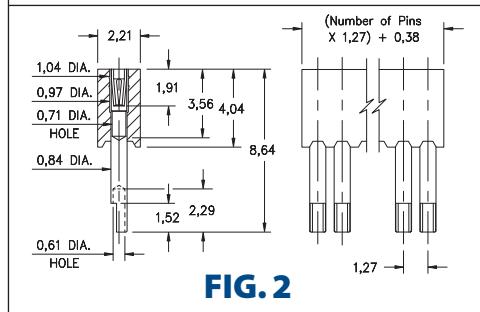


FIG. 2

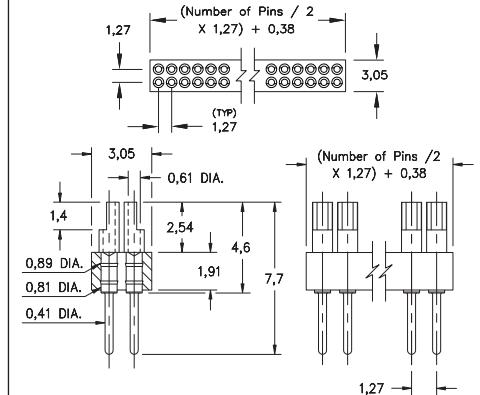


FIG. 3

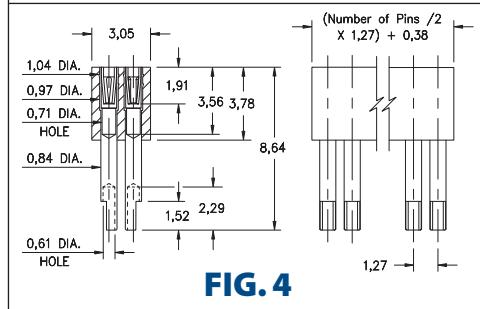
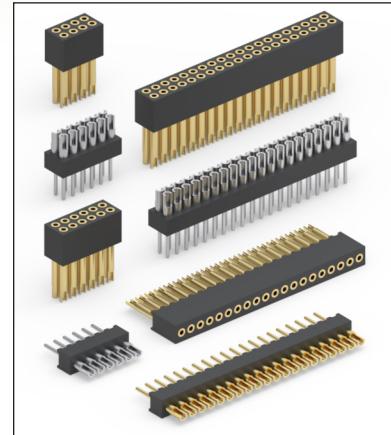


FIG. 4

- 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 0.38 - 0.51. 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
FIG. 2	Specify number of pins	
	01-50	
FIG. 3	Series 851...003 Single Row Solder Cup Sockets	
	851-XX-	-10-003000
FIG. 4	Specify number of pins	
	01-50	
	Pin Plating	0,25µm Au
FIG. 3	Series 852...003 Double Row Solder Cup / Solder Tail	
	852-XX-0	-10-003000
FIG. 4	Specify number of pins	
	002-100	
	Sleeve (Pin)	0,25µm Au
	Contact (Clip)	0,76µm Au

INTERCONNECTS

SERIES 850, 851, 852, 853 • 1,27 GRID RIGHT ANGLE HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

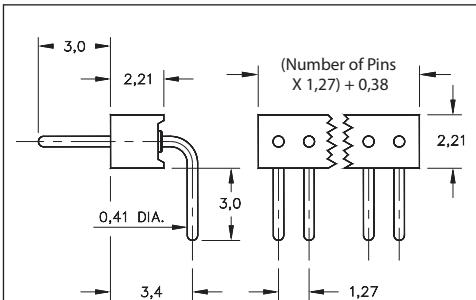


FIG. 1

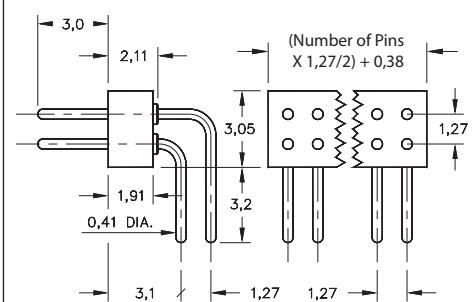


FIG. 2

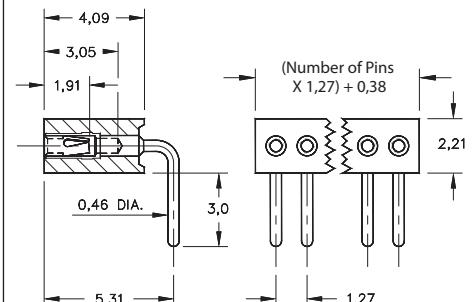


FIG. 3

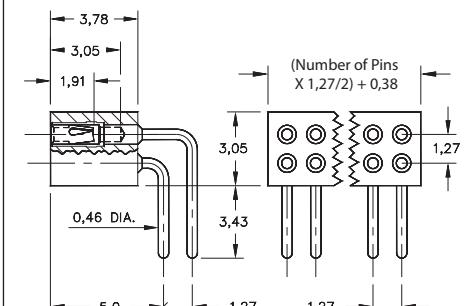


FIG. 4

- 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 0.38 - 0.53. 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

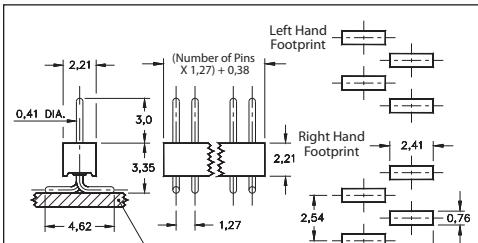
FIG. 1	Series 850...001 Single Row Right Angle Pin Header	
	850-XX-0	-20-001000
FIG. 2	Specify number of pins 01-50	
	852-XX-	-20-001000
	Specify number of pins 002-100	
	SPECIFY PLATING CODE XX=	10 90 40
	Pin Plating	0,25µm Au 5,08µm Sn/Pb 5,08µm Sn
FIG. 3	Series 851...001 Single Row Right Angle Socket	
	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	
	SPECIFY PLATING CODE XX=	93 99 43 47
	Sleeve (Pin)	5,08µm Sn/Pb 5,08µm Sn/Pb
	Contact (Clip)	0,76µm Au 2,54µm Sn/Pb
		0,76µm Au Au Flash



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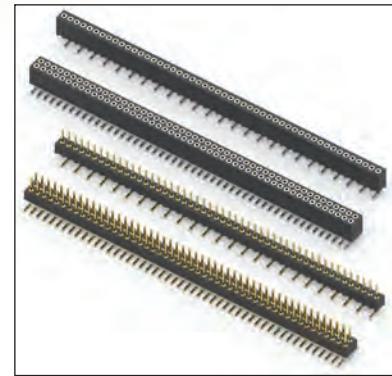
INTERCONNECTS

SERIES 850, 851, 852, 853 • 1,27 GRID SURFACE MOUNT HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

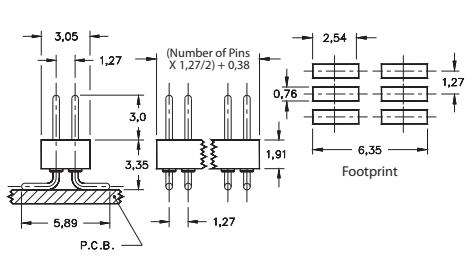


Coplanarity 0.13. For pin counts >20 positions, consult Technical Support.

FIG. 1

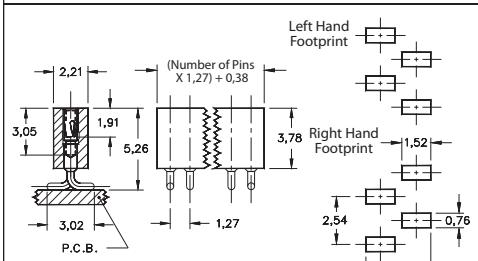


- Single row interconnects having an even number of pins are now available with a left or right hand footprints
- Headers (850 and 852) use MM #4006 pins. See page 208 for details
- Sockets (851 and 853) use MM #4890-0 receptacles and accept pin diameters from 0.38 - 0.51. See page 160 for details
- 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



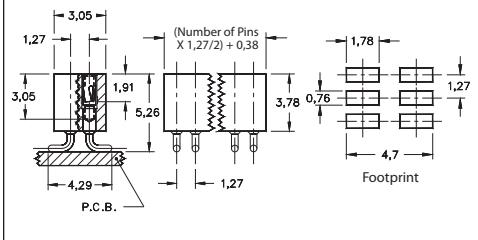
Coplanarity 0.13. For pin counts >40 positions, consult Technical Support.

FIG. 2



Coplanarity 0.13. For pin counts >20 positions, consult Technical Support.

FIG. 3



Coplanarity 0.13. For pin counts >40 positions, consult Technical Support.

FIG. 4

ORDERING INFORMATION

FIG. 1L		Single Row Header, Left Hand Footprint, Odd or Even # of Pins			
		850-XX-0_ _30-001000			
		Specify number of pins			
FIG. 1R		Single Row Header, Right Hand Footprint, Even # of Pins			
		850-XX-0_ _30-002000			
		Specify number of pins			
FIG. 2		Double Row Header, Even # of Pins			
		852-XX- _ _30-001000			
		Specify number of pins			
SPECIFY PLATING CODE XX=		10	90	40	
Pin Plating		0.25µm Au	5.08µm Sn/Pb	5.08µm Sn	
FIG. 3L		Single Row Socket, Left Hand Footprint, Odd or Even # of Pins			
		851-XX-0_ _30-001000			
		Specify number of pins			
FIG. 3R		Single Row Socket, Right Hand Footprint, Even # of Pins			
		851-XX-0_ _30-002000			
		Specify number of pins			
FIG. 4		Double Row Socket, Even # of Pins			
		853-XX- _ _30-001000			
		Specify number of pins			
		XX=Plating Code See Below			
SPECIFY PLATING CODE XX=		91	93	99	41
Sleeve (Pin)		5.08µm Sn/Pb	5.08µm Sn/Pb	5.08µm Sn/Pb	5.08µm Sn
Contact (Clip)		0.25µm Au	0.76µm Au	2.54µm Sn/Pb	0.25µm Au
		0.25µm Au	0.76µm Au	0.76µm Au	2.54µm Sn

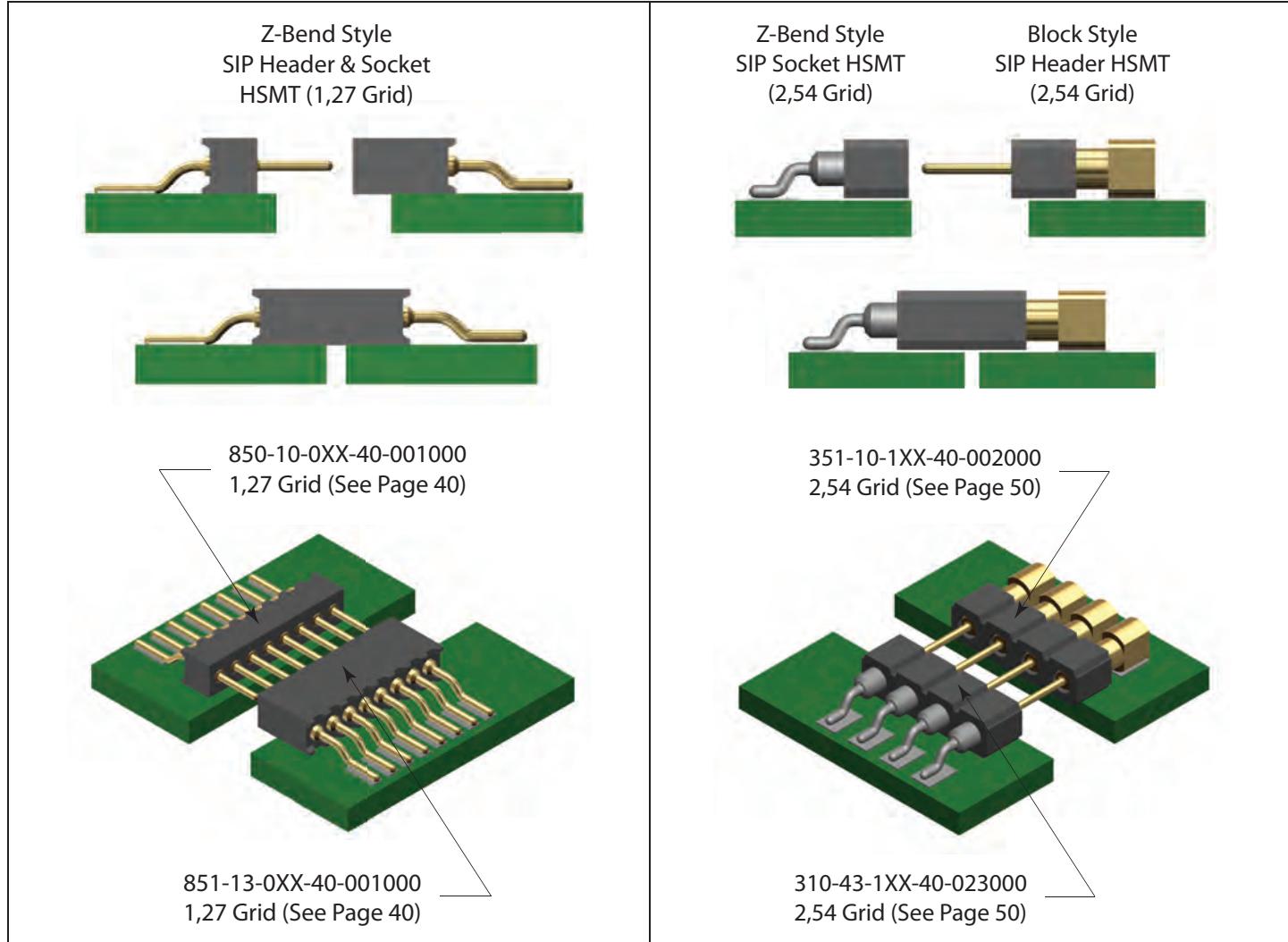
★ 44 Plating Non-Standard



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HORIZONTAL SMT PINS & CONNECTORS

VERSATILE CONNECTORS FOR HORIZONTAL & EDGE BOARD MATING APPLICATIONS

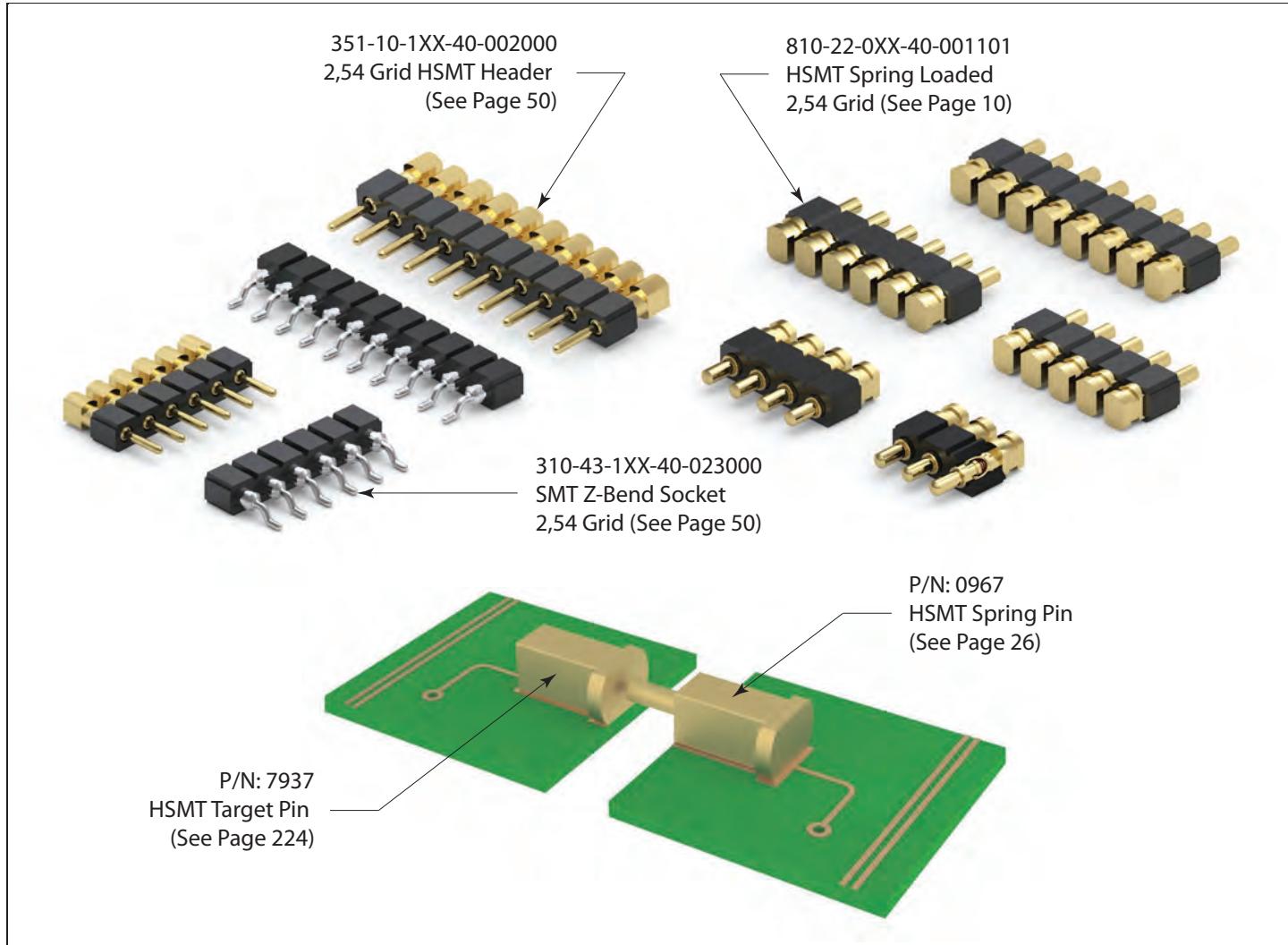


Mill-Max Mfg. offers a complete line of Horizontal Surface Mount products including headers and sockets on 1,27mm and 2,54mm grid, discrete spring-loaded and mating target pins and spring-loaded connector strips.

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

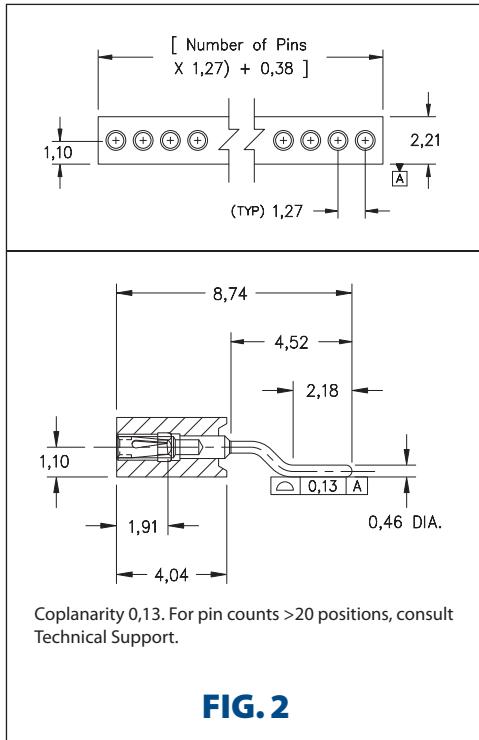
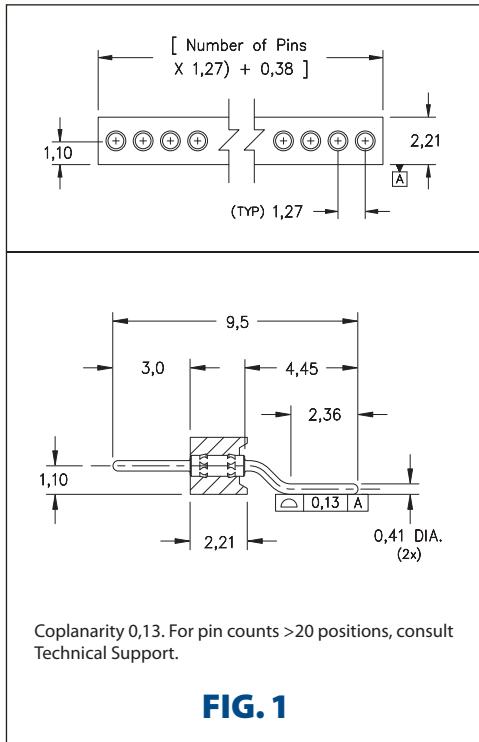
VERSATILE CONNECTORS FOR HORIZONTAL & EDGE BOARD MATING APPLICATIONS



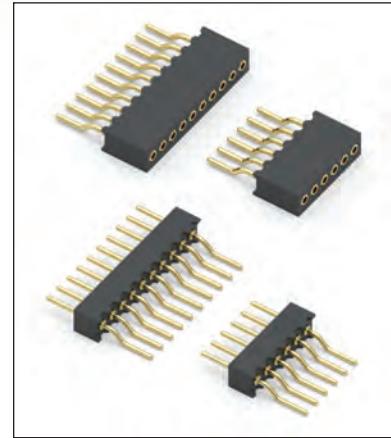
Mill-Max Mfg's #0967 (featured above) is a low profile, horizontal, surface mount spring pin designed for edge board interface applications: board-to-board or device-to-board. The #0967 mounts parallel to the P.C. board so that the plunger travel is horizontal to the board surface. The above board height of 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 • 1,27 GRID HORIZONTAL SURFACE MOUNT Z-BEND HEADERS & SOCKETS • SINGLE ROW STRIPS



- Series 850 horizontal surface mount headers have 0,41 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 0,38 - 0,51. 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
		For Electrical, Mechanical & Environmental Data, See page 264
	10	
	0,25µm Au	
FIG. 2	Series 851...001 Single Row Surface Mount Z-Bend Socket	
	851-XX-0	-40-001000
	Specify number of pins	02-20
		For Electrical, Mechanical & Environmental Data, See page 264
	11 13	
	0,25µm Au	
	0,25µm Au	
	Contact (Clip)	
	0,25µm Au	
	0,76µm Au	

INTERCONNECTS

SERIES 340 & 399 • 1,27 AND 2,54 GRID SURFACE MOUNT HEADERS & SOCKETS • SINGLE ROW STRIPS

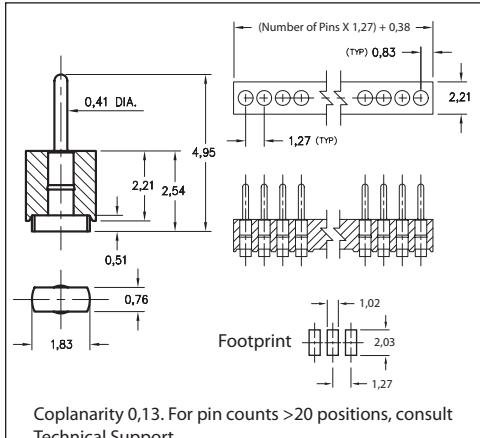


FIG. 1

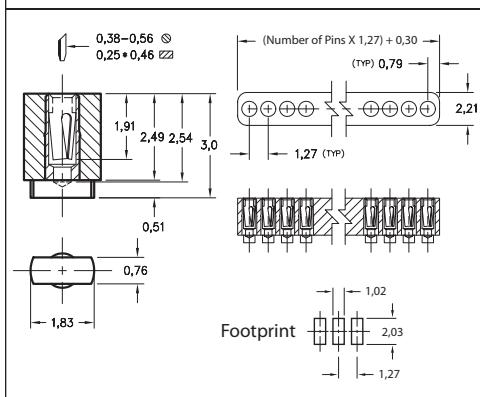


FIG. 2

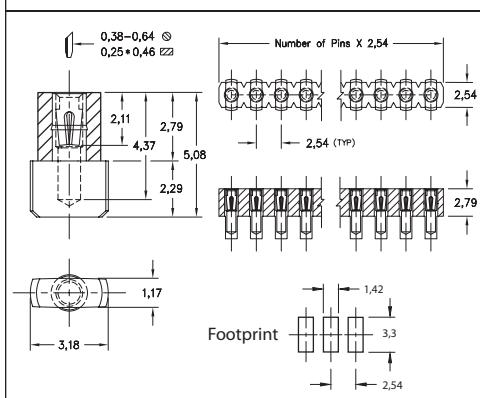
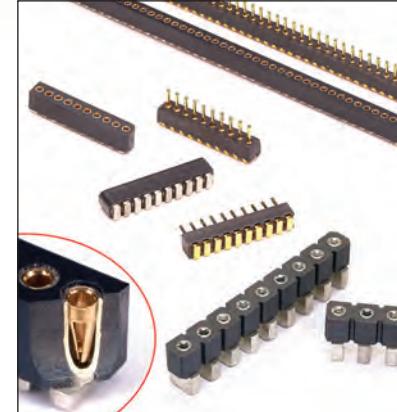


FIG. 3

- 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 1,27 pitch sockets and headers with a mated height of only 5,54
- Series 340 is a 2,54 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

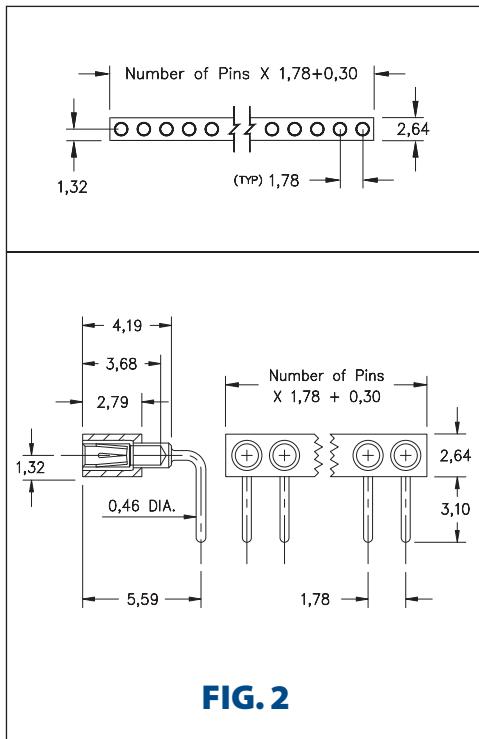
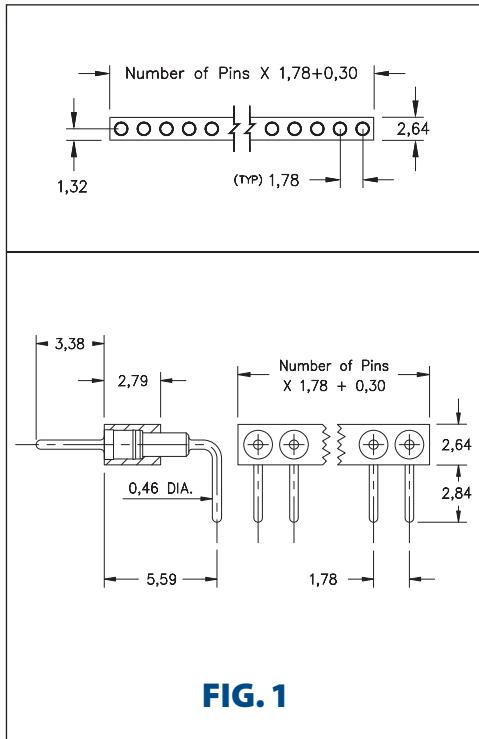


ORDERING INFORMATION

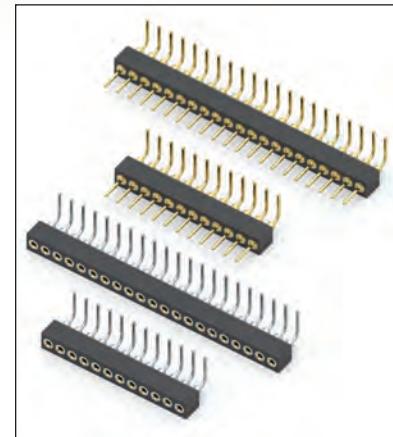
FIG. 1	Series 399...310 Single Row 1,27 Grid Header	
	399-10-0_	-00-310000
	Specify number of pins	02-50
	XX=Plating Code See Below	
FIG. 2	Series 399...300 Single Row 1,27 Grid Socket	
	399-XX-0_	-21-300000
	Specify number of pins	02-50
	XX=Plating Code See Below	
FIG. 3	Series 340...780 Single Row 2,54 Grid Socket	
	340-XX-1_	-30-780100
	Specify number of pins	02-64
	XX=Plating Code See Below	
	SPECIFY PLATING CODE XX=	
	10	◆
Pin Plating	0,25µm Au	
	SPECIFY PLATING CODE XX=	
	91	◆
Sleeve (Pin)	5,08µm Sn/Pb	5,08µm Sn
	SPECIFY PLATING CODE XX=	
	41	◆
Contact (Clip)	0,25µm Au	0,25µm Au
	SPECIFY PLATING CODE XX=	
	99	◆
Sleeve (Pin)	5,08µm Sn/Pb	5,08µm Sn
	SPECIFY PLATING CODE XX=	
	44	◆
Contact (Clip)	2,54µm Sn/Pb	2,54µm Sn

INTERCONNECTS

SERIES 870 & 871 • 1,78 GRID (0,46 DIA.) PINS, RIGHT ANGLE HEADERS & SOCKETS • SINGLE ROW STRIPS



- Series 870 and 871 Interconnects feature space saving 1,78 pitch
- Series 870 uses MM #3790-0 pins. See page 209 for details
- Series 871 uses MM #1805 receptacles and accept pin diameters from 0,38 - 0,64. 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



**XX=Plating Code
See Below**

*For
Electrical, Mechanical
& Environmental Data,
See page 264*

SPECIFY PLATING CODE XX=	10			
Pin Plating	0,25µm Au			

FIG. 2	Series 871...20-001	Right Angle Socket
	871-XX-0_	-20-001000
	Specify number of pins	02-21



**XX=Plating Code
See Below**

*For
Electrical, Mechanical
& Environmental Data,
See page 264*

SPECIFY PLATING CODE XX=					41	43
Sleeve (Pin)					5,08µm Sn	5,08µm Sn
Contact (Clip)					0,25µm Au	0,76µm Au

INTERCONNECTS

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

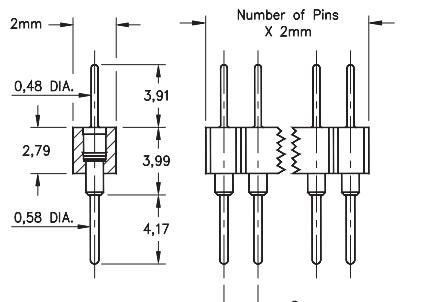


FIG. 1

- Series 830 single & double row interconnects have 2mm pin spacing and permit board stacking as low as 8,18
- 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 0,38 - 0,64. See page 169 for details
- Contact is rated at 3 amps
- Insulators are high temperature thermoplastic, suitable for all soldering operations

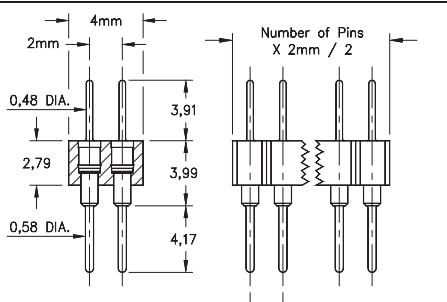
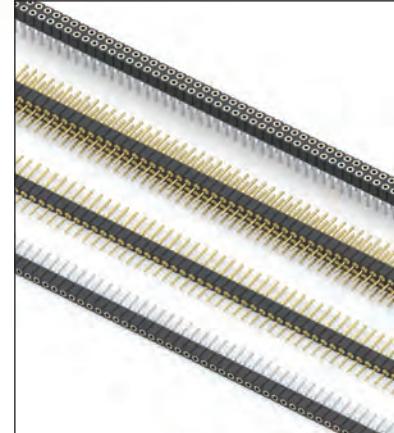


FIG. 2

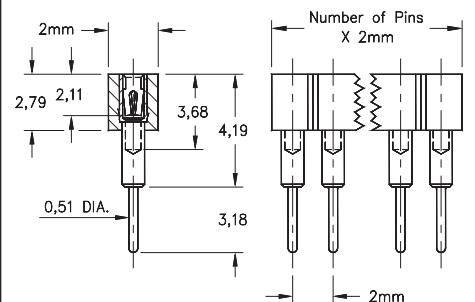


FIG. 3

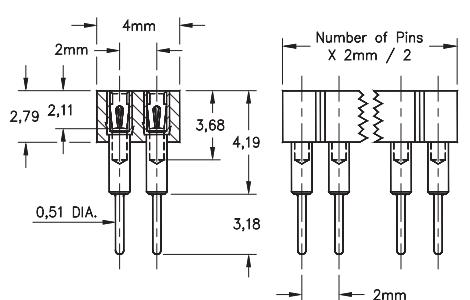


FIG. 4

ORDERING INFORMATION

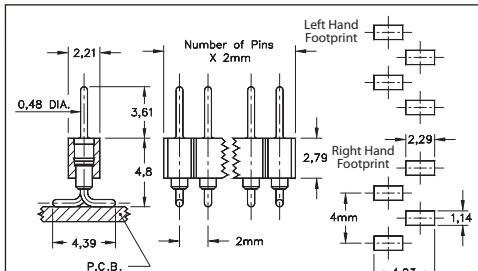
FIG. 1	Series 830...001		Single Row Pin Header			
	Specify number of pins		830-XX-0_ -10-001000			
FIG. 2	Series 832...001		Double Row Pin Header			
	Specify number of pins		832-XX- _ -10-001000			
	SPECIFY PLATING CODE XX=	10	90	40		
	Pin Plating	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn		
FIG. 3	Series 831...001		Single Row Socket			
	Specify number of pins		831-XX-0_ -10-001000			
FIG. 4	Series 833...001		Double Row Socket			
	Specify number of pins		833-XX- _ -10-001000			
	SPECIFY PLATING CODE XX=	91	93	41	43	47
	Sleeve (Pin)	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	5,08µm Sn
	Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	Au Flash



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INTERCONNECTS

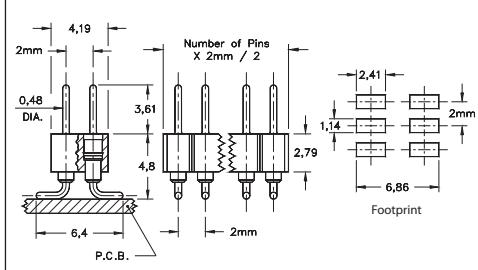
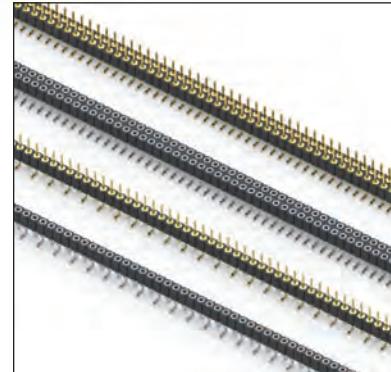
SERIES 830, 831, 832, 833 • 2mm GRID GULL WING SURFACE MOUNT HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS



Coplanarity 0.13. For pin counts >12 positions, consult Technical Support.

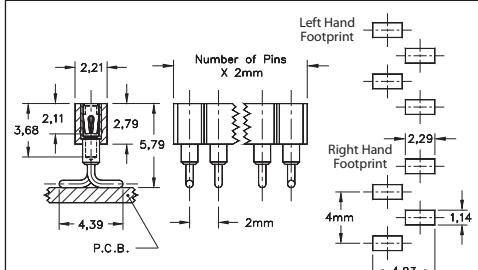
FIG. 1

- Headers (830 & 832) use MM #6218 pins. See page 208 for details
- Sockets (831 & 833) use MM #1802 receptacles and accept pin diameters from 0.38 - 0.64. See page 169 for details
- Coplanarity 0.13 (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



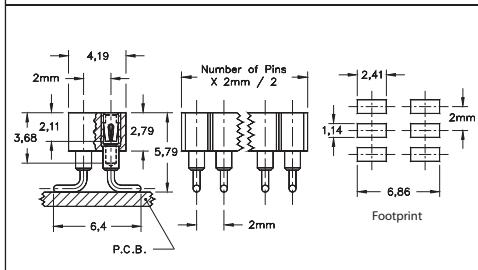
Coplanarity 0.13. For pin counts >24 positions, consult Technical Support.

FIG. 2



Coplanarity 0.13. For pin counts >12 positions, consult Technical Support.

FIG. 3



Coplanarity 0.13. For pin counts >24 positions, consult Technical Support.

FIG. 4

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		0,25µm Au	5,08µm Sn/Pb	5,08µm 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				
SPECIFY PLATING CODE XX=		91	93	41 43	
Sleeve (Pin)		5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn 5,08µm Sn	
Contact (Clip)		0,25µm Au	0,76µm Au	0,25µm Au 0,76µm Au	



INTERCONNECTS

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

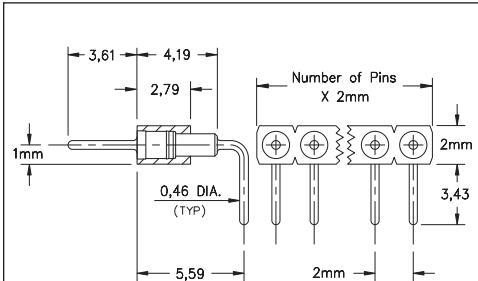


FIG. 1

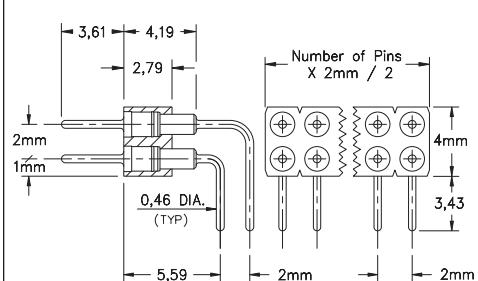


FIG. 2

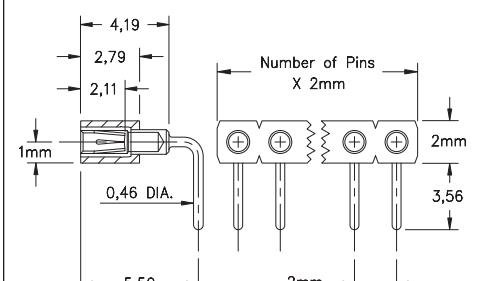


FIG. 3

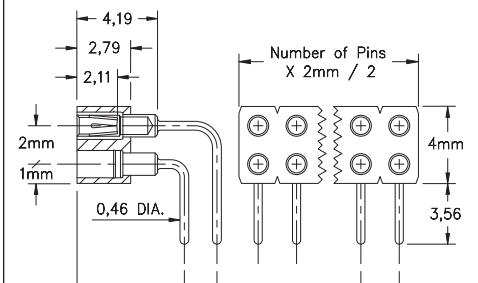
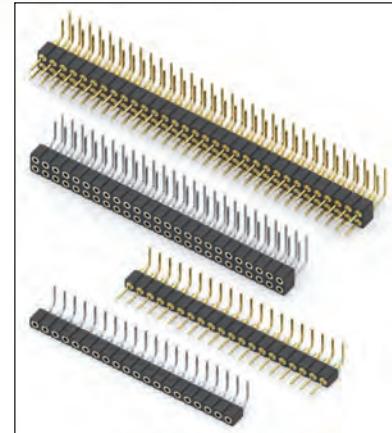


FIG. 4

- 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 0.38 - 0.64. 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
FIG. 3	RoHS-2 2011/65/EU	XX=Plating Code See Below
	SPECIFY PLATING CODE XX=	10 For Electrical, Mechanical & Environmental Data, See page 264
FIG. 4	Pin Plating	0,25µm Au
	Series 831...001	Single Row Right Angle Socket
FIG. 4	831-XX-0_	-20-001000 Specify number of pins 01-50
	Series 833...001	Double Row Right Angle Socket
FIG. 4	833-43_	-20-001000 Specify number of pins 002-100
	RoHS-2 2011/65/EU	XX=Plating Code See Below
FIG. 4	SPECIFY PLATING CODE XX=	41 43
	Sleeve (Pin)	5,08µm Sn
	Contact (Clip)	0,25µm Au
		0,76µm Au



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INTERCONNECTS

SERIES 832 & 833 • 2mm GRID (0,51 DIA. PINS), SHROUDED STRAIGHT, SURFACE MOUNT & RIGHT ANGLE • DOUBLE ROW STRIPS

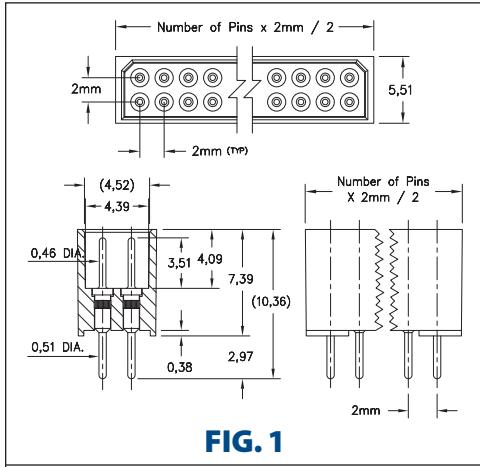


FIG. 1

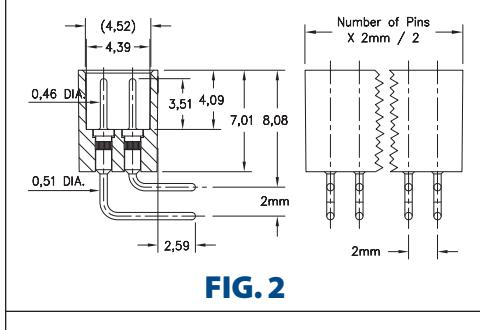


FIG. 2

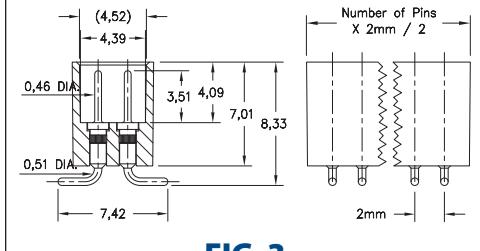


FIG. 3

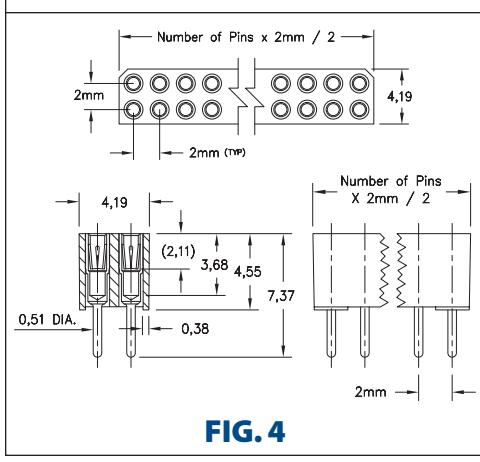
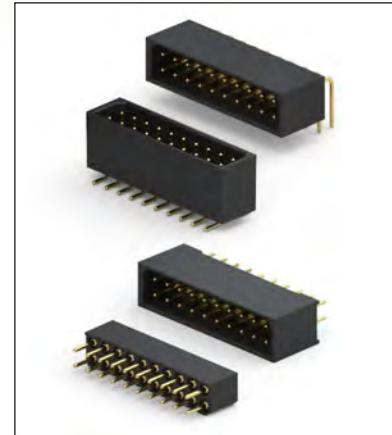


FIG. 4

- 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 0.38 - 0.64. 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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	10			
Pin Plating	0,25µm Au			

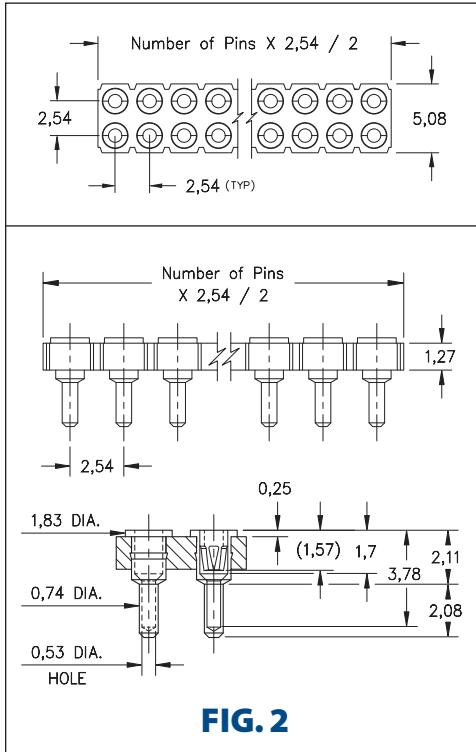
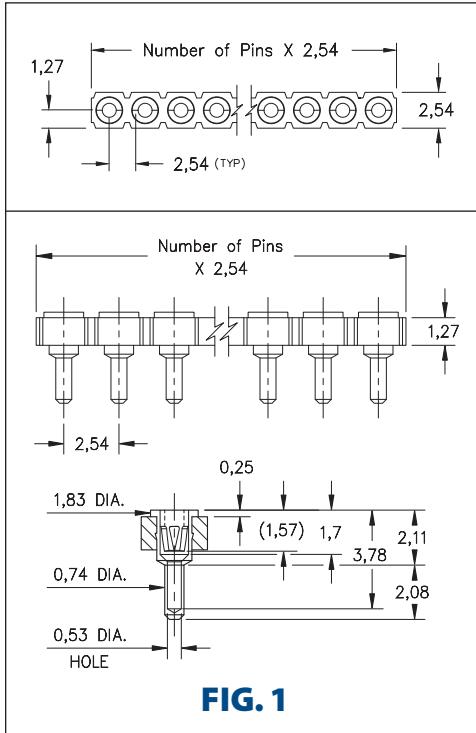
FIG. 4	Series 833...10-002 Double Row Keying Socket	
	833-13-__-10-002000	Specify number of pins 004-100
	RoHS-2 2011/65/EU	XX=Plating Code See Below
	Sleeve (Pin)	0,25µm Au
	Contact (Clip)	0,76µm Au



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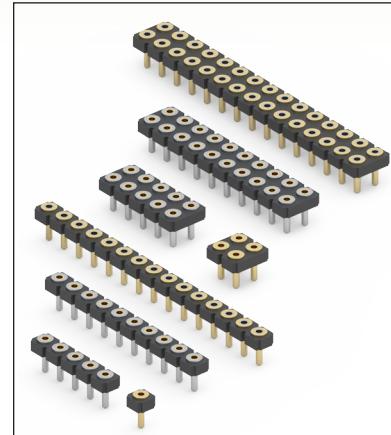
INTERCONNECTS

SERIES 315 & 415 • 2,54 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 0,38-0,56 . See pages 161 for details

- Hi-Rel, 4-finger BeCu #12 contact is rated at 3 amps. See page 252 for details
- 2,11 Super low profile above the board utilizes 1,27 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			
FIG. 2	Series 415...004		Double Row Socket			
	415-XX-2	-41-004000	Specify number of pins			
		XX=Plating Code See Below				
	SPECIFY PLATING CODE XX=	13 93 43 44 47				
	Sleeve (Pin)	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	5,08µm Sn
	Contact (Clip)	0,76µm Au	0,76µm Au	0,76µm Au	2,54µm Sn	Au Flash

INTERCONNECTS

SERIES 301, 310, 350, 399 • 2,54 GRID (0,46 DIA.) PINS, STRAIGHT AND RIGHT ANGLE • SINGLE ROW STRIPS

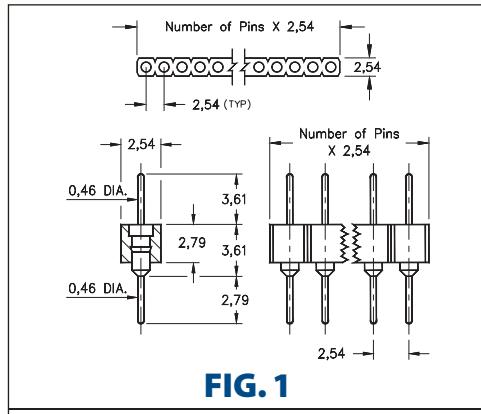


FIG. 1

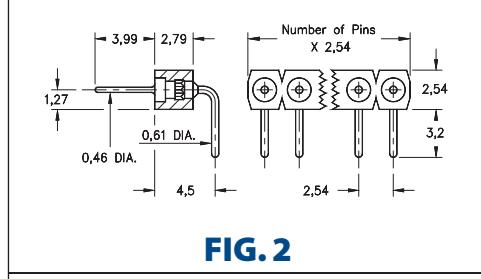


FIG. 2

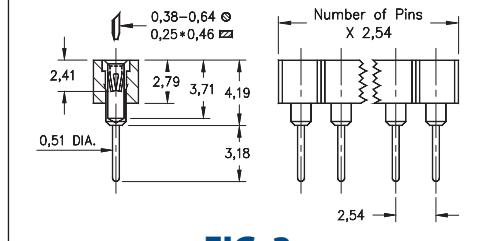


FIG. 3

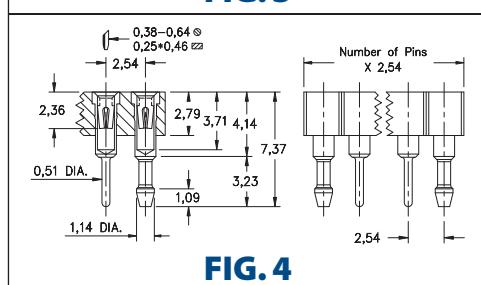


FIG. 4

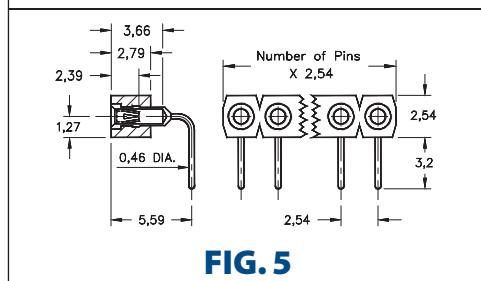
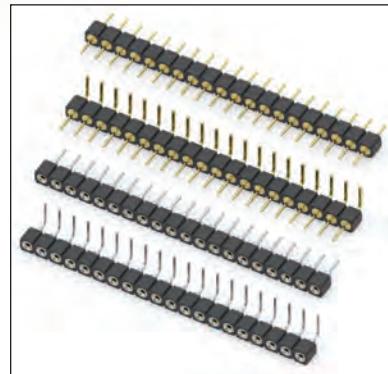


FIG. 5

- 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
FIG. 2	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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	10	90	40	
Pin Plating		0,25µm Au	5,08µm Sn/Pb	5,08µm 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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	11	13	91	93	99	41	43	44	47
Sleeve (Pin)	0,25µm Au	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	5,08µm Sn	5,08µm Sn	5,08µm Sn
Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	2,54µm Sn/Pb	0,25µm Au	0,76µm Au	2,54µm Sn	Au Flash

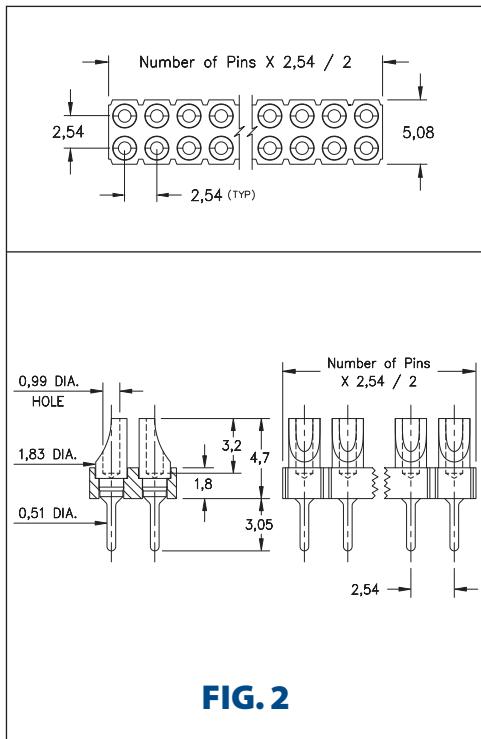
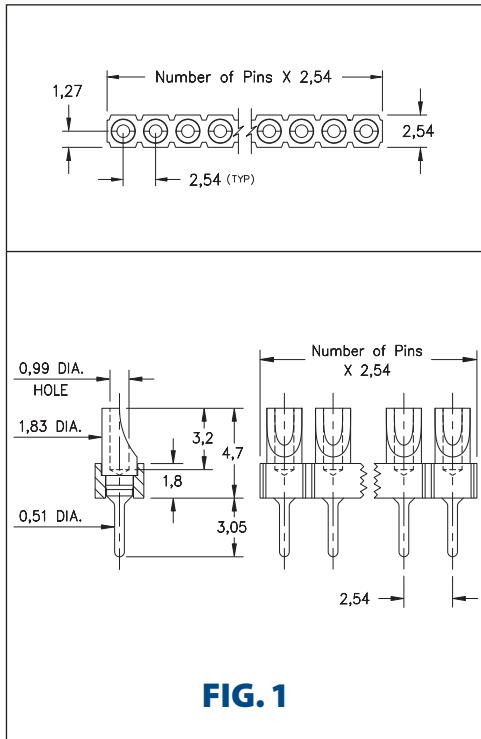
★ 41, 91 & 99 Platings Non-Standard



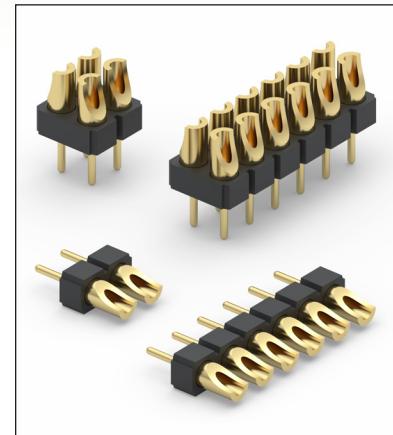
Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com

INTERCONNECTS

SERIES 380 & 480 • 2,54 GRID LOW PROFILE SOLDER CUP HEADERS SINGLE AND DOUBLE ROW STRIPS



- Series 380 & 480 solder cup headers for low profile wire termination applications
- 0,51 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

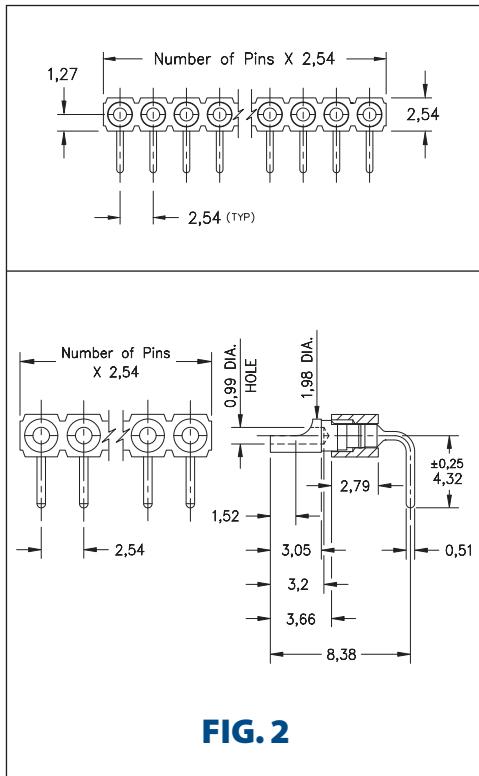
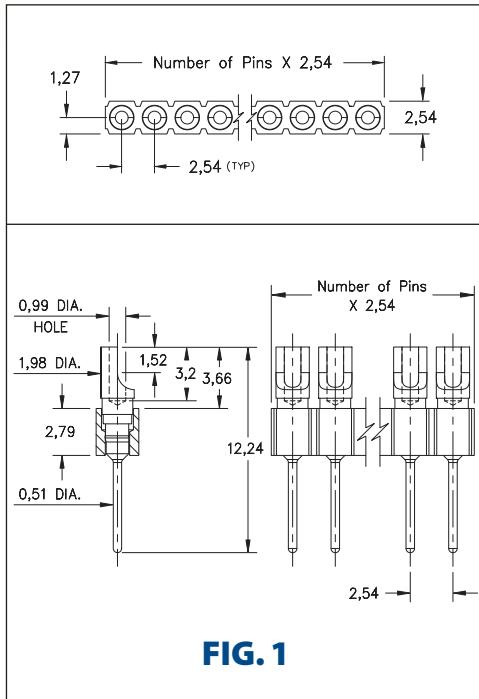


ORDERING INFORMATION

FIG. 1	Series 380...002 Single Row Solder Cup Header									
	380-10-0	-00-002000								
	Specify number of pins	01-64								
XX=Plating Code See Below		For Electrical, Mechanical & Environmental Data, See page 264								
SPECIFY PLATING CODE XX= <table border="1"> <tr> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>Pin Plating</td> <td></td> <td>0,25µm Au</td> <td></td> </tr> </table>		10	10	10	10	Pin Plating		0,25µm Au		
10	10	10	10							
Pin Plating		0,25µm Au								
FIG. 2	Series 480...002 Double Row Solder Cup Header									
	480-XX-0	-00-002000								
	Specify number of pins	02-72								
XX=Plating Code See Below		For Electrical, Mechanical & Environmental Data, See page 264								
SPECIFY PLATING CODE XX= <table border="1"> <tr> <td>10</td> <td>10</td> <td>10</td> <td>10</td> </tr> <tr> <td>Pin Plating</td> <td></td> <td>0,25µm Au</td> <td></td> </tr> </table>		10	10	10	10	Pin Plating		0,25µm Au		
10	10	10	10							
Pin Plating		0,25µm Au								

INTERCONNECTS

SERIES 380 • 2,54 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
- 0.51 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		
	SPECIFY PLATING CODE XX=	
	Pin Plating	10 90 40
		0,25µm Au 200 µ"Sn/Pb 5,08µm Sn
FIG. 2	Series 380...003 Single Row R/A Solder Cup Header	
	380-XX-1	-10-003000
Specify number of pins 01-64		
	SPECIFY PLATING CODE XX=	
	Pin Plating	10 40
		0,25µm Au 5,08µm Sn

INTERCONNECTS

SERIES 410, 450, 499 • 2,54 GRID (0.46 DIA.) PINS, STRAIGHT AND RIGHT ANGLE • DOUBLE ROW STRIPS

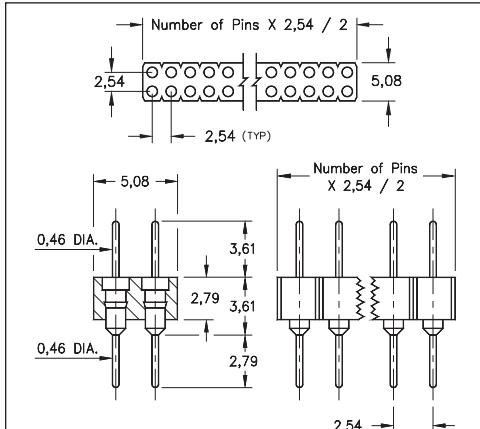


FIG. 1

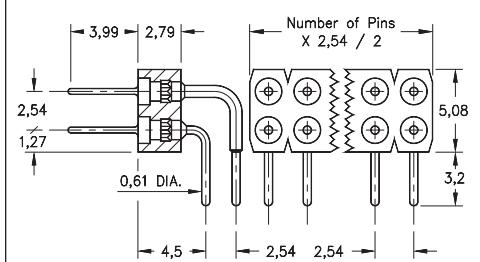


FIG. 2

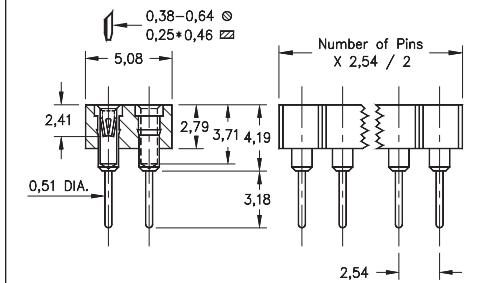


FIG. 3

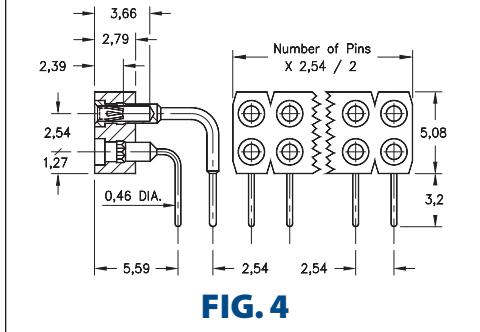
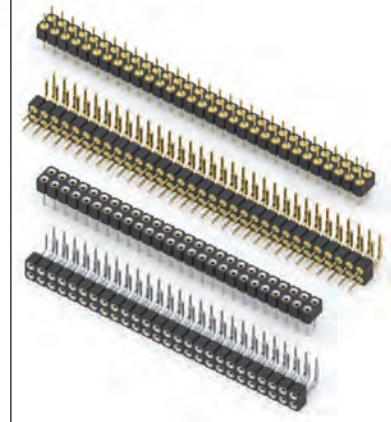


FIG. 4

- 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				
	SPECIFY PLATING CODE XX=	10	90	40				
	Pin Plating	0,25µm Au	5,08µm Sn/Pb	5,08µm 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				
	SPECIFY PLATING CODE XX=	11	13	91	93	41	43	
	Sleeve (Pin)	0,25µm Au	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	
	Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	

INTERCONNECTS

SERIES 329, 380, 429, 480 • 2,54 GRID SOLDER CUP HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

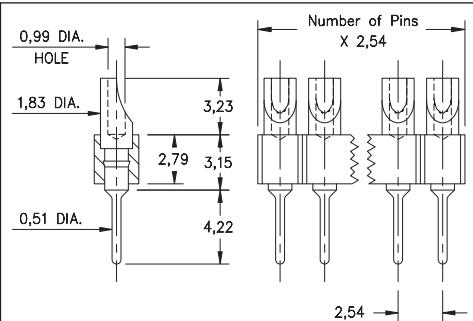


FIG. 1

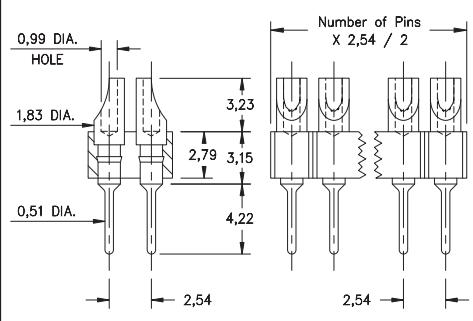


FIG. 2

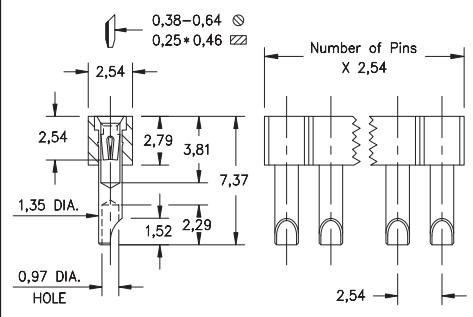


FIG. 3

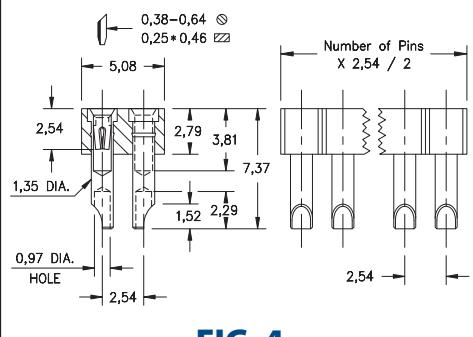
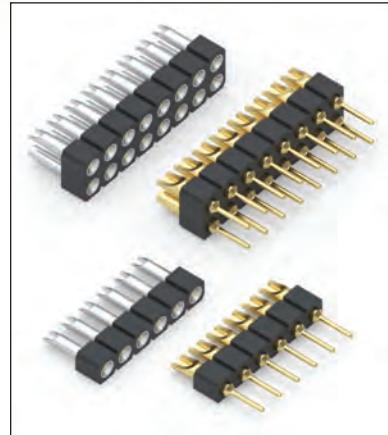


FIG. 4

- Series 380 & 480 use MM #8000 pins. See page 216 for details
- Series 329 & 429 use MM #2954 receptacles and accept pin diameters from 0.38 - 0.64. See page 171 for details
- Series 329 & 429 receptacles use Hi-Rel, 4-finger BeCu #30 contact rated at 3 amps. See page 253 for details
- Soldercups are pre-aligned
- Insulators are high temperature thermoplastic, suitable for all soldering operations



ORDERING INFORMATION

FIG. 1	Series 380...001 Single Row Solder Cup / Solder Tail	
	380-XX-1	-00-001000
FIG. 2	Specify number of pins	
	01-64	02-64

	XX=Plating Code See Below	
SPECIFY PLATING CODE XX=	10 90 40	
Pin Plating	0,25µm Au 5,08µm Sn/Pb 5,08µm Sn	

FIG. 3	Series 329...540 Single Row Solder Cup Sockets	
	329-XX-1	-41-540000
FIG. 4	Specify number of pins	
	01-64	02-64

	XX=Plating Code See Below	
SPECIFY PLATING CODE XX=	11 13 41 43	
Sleeve (Pin)	0,25µm Au 0,25µm Au	5,08µm Sn 5,08µm Sn
Contact (Clip)	0,25µm Au 0,76µm Au	0,25µm Au 0,76µm Au

INTERCONNECTS

SERIES 329, 340, 406, 414, 429 • 2,54 GRID SURFACE MOUNT HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

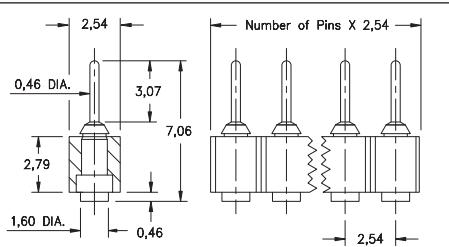


FIG. 1

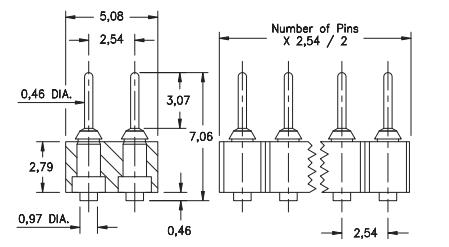


FIG. 2

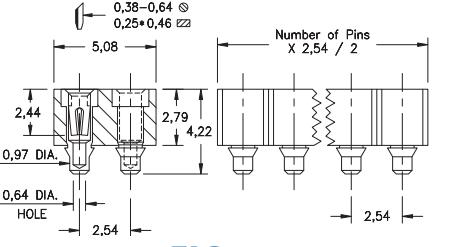


FIG. 3

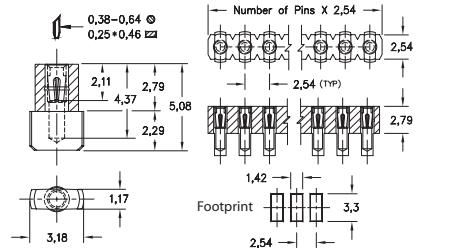


FIG. 4

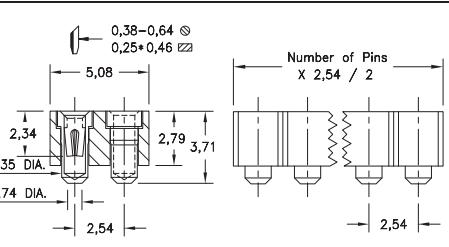
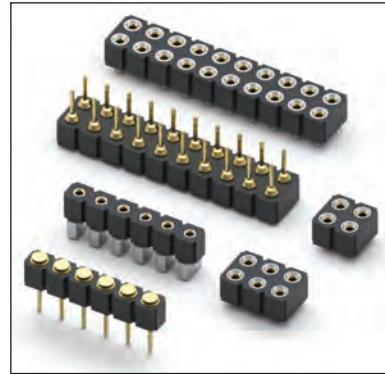


FIG. 5

- 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 8,20
- 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 0,38 - 0,64 diameter pins. See page 253 for details
- Insulators are high temperature thermoplastic, suitable for all soldering operations

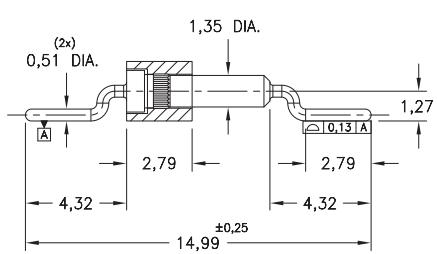
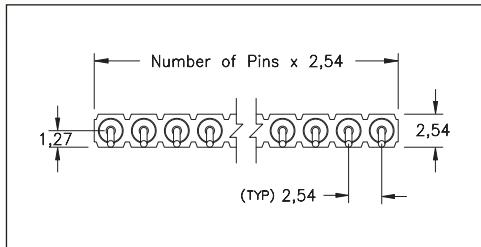


ORDERING INFORMATION

FIG. 1	Series 329...560 Single Row Surface Mount Pin Header									
	329-10-1_ _00-560000 Specify number of pins									
FIG. 2	429-10-2_ _00-560000 Specify number of pins									
	429-10-2_ _00-560000 Specify number of pins									
SPECIFY PLATING CODE XX=										
Pin Plating 0,25µm Au										
FIG. 3	Series 414...117 Double Row Surface Mount Socket									
	414-XX-2_ _41-117000 Specify number of pins									
FIG. 4	Series 340...780 Single Row Surface Mount Socket									
	340-XX-1_ _30-780100 Specify number of pins									
FIG. 5	Series 406...068 Double Row Surface Mount Socket									
	406-43-2_ _30-068000 Specify number of pins									
Tape and Reel Packaging										
Ordering Information: 406-43-2XX-30-068001										
Available on 44mm wide tape, 355 parts per 330mm reel										
SPECIFY PLATING CODE XX=										
Sleeve (Pin) 5,08µm Sn/Pb										
Contact (Clip) 2,54µm Sn/Pb										
99 41 43 44										
0,25µm Au 0,76µm Au 0,25µm Sn 0,25µm Sn										

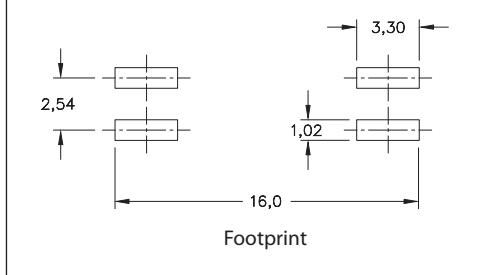
INTERCONNECTS

SERIES 339 • 2,54 GRID HORIZONTAL SURFACE MOUNT JUMPER • SINGLE ROW STRIPS

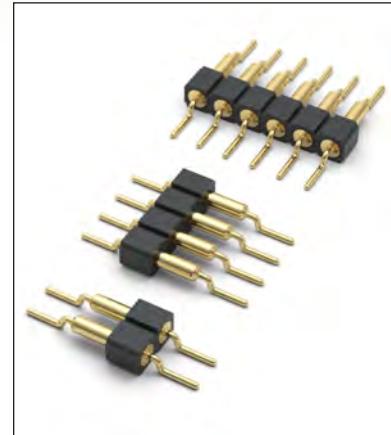


Coplanarity 0,13. For pin counts >10 positions, consult Technical Support.

FIG. 1



- Series 339 single row Horizontal surface mount jumpers on 2,54 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



SPECIFY PLATING CODE XX=	10	40
Pin Plating	0,25µm Au	5,08µm Sn



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INTERCONNECTS

SERIES 310, 350, 410, 450 • 2,54 GRID (0.46 DIA. PINS), SMT GULL WING HEADERS & SOCKETS • SINGLE AND DOUBLE ROW STRIPS

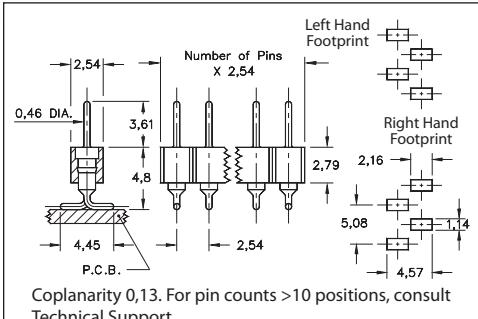


FIG. 1



- Headers (350 & 450) use MM #3404 pins. See page 212 for details
- Sockets (310 & 410) use MM #1005 receptacles and accept pin diameters from 0.38 - 0.64. See page 166 for details
- Contact is rated at 3 amps
- Coplanarity 0.13 (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

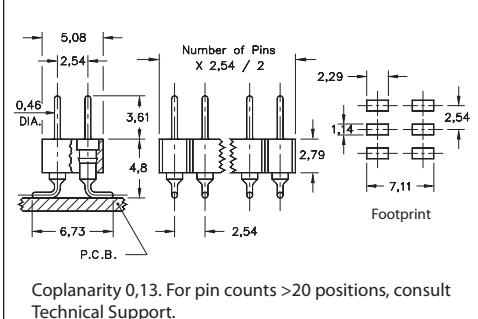


FIG. 2

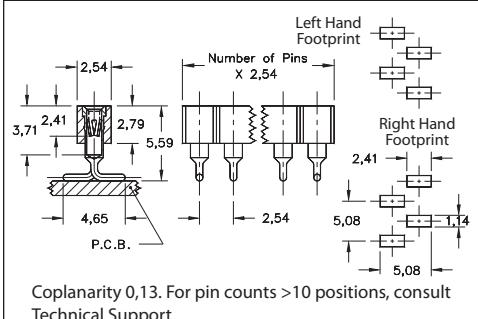


FIG. 3

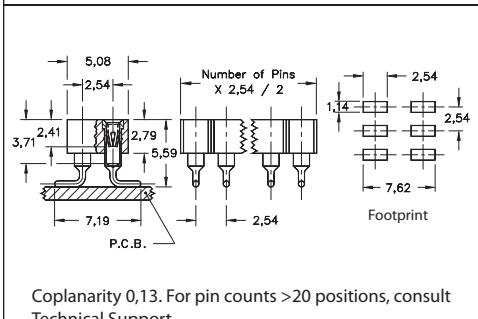


FIG. 4

ORDERING INFORMATION

Single Row Header, Left Hand Footprint, Odd or Even # of pins	
FIG. 1L	350-XX-1_ _ _ _ _ -00-106000 Specify number of pins 02-64
Single Row Header, Right Hand Footprint, Even # of pins	
FIG. 1R	350-XX-1_ _ _ _ _ -00-107000 Specify number of pins 02-64
Double Row Header, Even # of pins	
FIG. 2	450-XX-2_ _ _ _ _ -00-106000 Specify number of pins 04-72
SPECIFY PLATING CODE XX=	
Pin Plating	10 90 40
	0.25µm Au 5.08µm Sn/Pb 5.08µm Sn
Single Row Socket, Left Hand Footprint, Odd or Even # of pins	
FIG. 3L	310-XX-1_ _ _ _ _ -41-105000 Specify number of pins 02-64
Single Row Socket, Right Hand Footprint, Even # of pins	
FIG. 3R	310-XX-1_ _ _ _ _ -41-107000 Specify number of pins 02-64
Double Row Socket, Even # of pins	
FIG. 4	410-XX-2_ _ _ _ _ -41-105000 Specify number of pins 04-72
SPECIFY PLATING CODE XX=	
Sleeve (Pin)	91 93 41 43
	5.08µm Sn/Pb 5.08µm Sn/Pb 5.08µm Sn 5.08µm Sn
Contact (Clip)	0.25µm Au 0.76µm Au 0.25µm Au 0.76µm Au



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INTERCONNECTS

**SERIES 350, 450, 801, 803 • 2,54 GRID (0,64 DIA. PINS),
LOW PROFILE HEADERS & VERSATILE SOCKETS • SINGLE & DOUBLE ROW STRIPS**

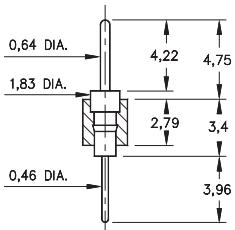


FIG. 1

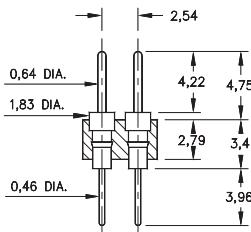


FIG. 2

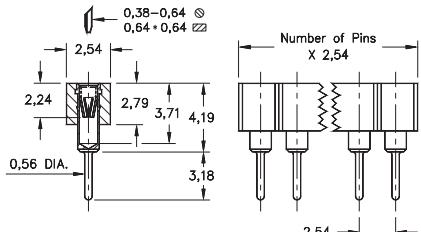


FIG. 3

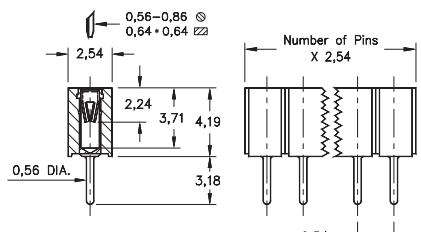


FIG. 4

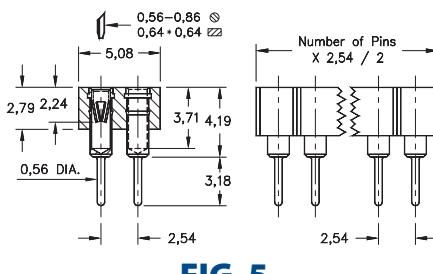
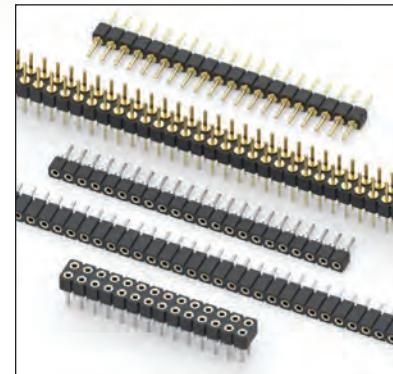


FIG. 5

- 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 0,64 diameter and 0,64 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 0,64 Pin / 0,46 Solder Tail			
	350-XX-1_ -00-001000 Specify number of pins 01-64			
FIG. 2	Series 450...001 Double Row 0,64 Pin / 0,46 Solder Tail			
	450-XX-2_ -00-001000 Specify number of pins 04-64			
		XX=Plating Code See Below		
	SPECIFY PLATING CODE XX=	10 ◆ 90 40 ◆		
	Pin Plating	0,25µm Au 5,08µm Sn/Pb 5,08µm 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			
		XX=Plating Code See Below		
	SPECIFY PLATING CODE XX=	41 ◆ 43 ◆		
	Sleeve (Pin)		5,08µm Sn 5,08µm Sn	
	Contact (Clip)		0,25µm Au 0,76µm Au	



INTERCONNECTS

SERIES 800, 801, 802, 803 • 2,54 GRID (0,76 DIA. PINS), LOW PROFILE HEADERS & VERSATILE SOCKETS • SINGLE & DOUBLE ROW STRIPS

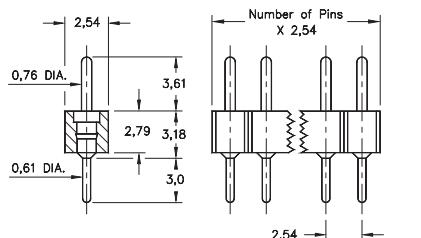


FIG. 1

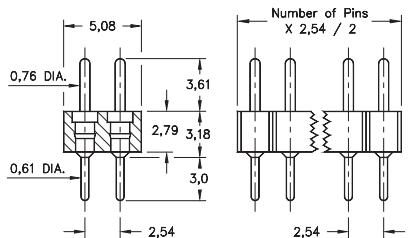


FIG. 2

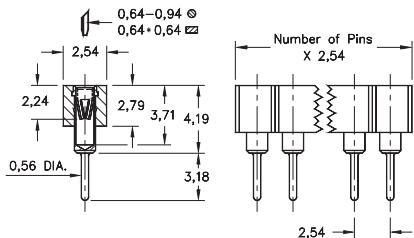


FIG. 3

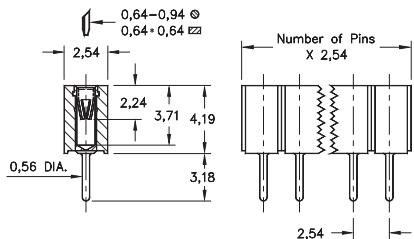


FIG. 4

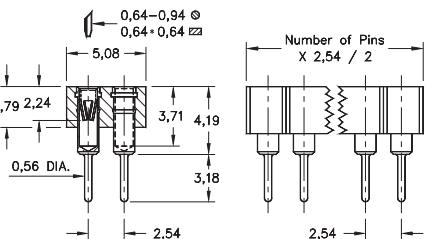
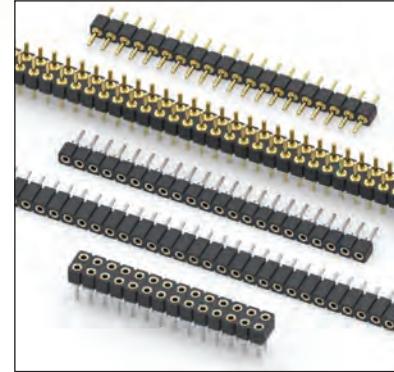


FIG. 5

- 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 0,76 diameter and 0,64 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
FIG. 2	Specify number of pins	
	01-64	
FIG. 3	Series 802...002 Double Row Low Profile Pin Header	
	802-XX-0	-10-002000
FIG. 4	Specify number of pins	
	04-64	
	SPECIFY PLATING CODE XX=	10 ◆ 90 40 ◆
	Pin Plating	0,25µm Au 5,08µm Sn/Pb 5,08µm Sn
FIG. 3	Series 801...002 Low Profile Socket (short insulator)	
	801-XX-0	-10-002000
FIG. 4	Specify number of pins	
	01-64	
FIG. 5	Series 801...012 Low Profile Socket (long insulator)	
	801-XX-0	-10-012000
FIG. 5	Specify number of pins	
	01-36	
FIG. 5	Series 803...002 Double Row Low Profile Socket	
	803-XX-0	-10-002000
FIG. 5	Specify number of pins	
	04-72	
	SPECIFY PLATING CODE XX=	91 93 99 41 ◆ 43 ◆ 47 ◆
	Sleeve (Pin)	5,08µm Sn/Pb 5,08µm Sn/Pb 5,08µm Sn/Pb 5,08µm Sn 5,08µm Sn
	Contact (Clip)	0,25µm Au 0,76µm Au 2,54µm Sn/Pb 0,25µm Au 0,76µm Au Au Flash

INTERCONNECTS

SERIES 800 & 801 • 2,54 GRID (0,76 DIA. PINS), STRAIGHT & RIGHT ANGLE HEADERS AND SOCKETS • SINGLE ROW STRIPS

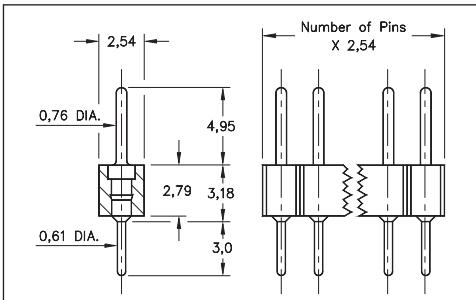


FIG. 1

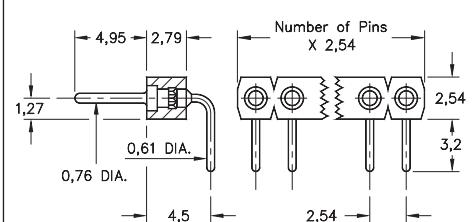


FIG. 2

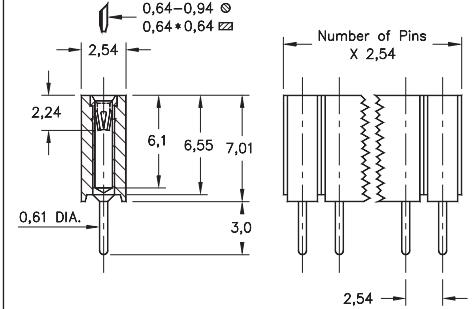


FIG. 3

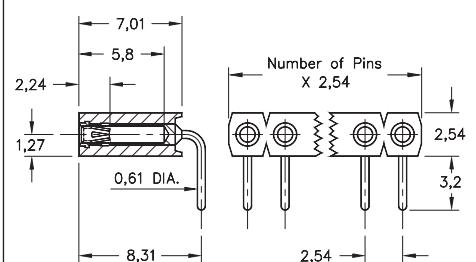
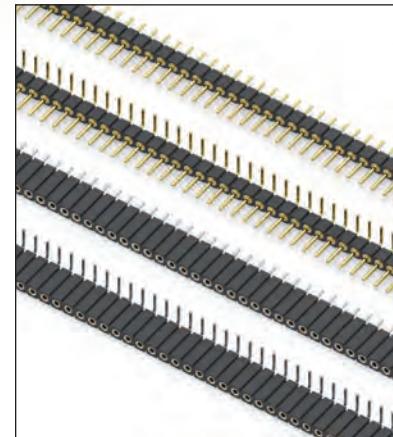


FIG. 4

- 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 0,76 diameter and 0,64 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
		XX=Plating Code See Below		
	SPECIFY PLATING CODE XX=	10	90	40
	Pin Plating	0,25µm Au	5,08µm Sn/Pb	5,08µm 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
		XX=Plating Code See Below		
	SPECIFY PLATING CODE XX=	91	93	99
	Sleeve (Pin)	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn/Pb
	Contact (Clip)	0,25µm Au	0,76µm Au	2,54µm Sn/Pb
		5,08µm Sn	5,08µm Sn	5,08µm Sn
		Au Flash	0,76µm Au	2,54µm Sn

★ 44 Plating Non-Standard



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INTERCONNECTS

SERIES 802 & 803 • 2,54 GRID (0,76 DIA. PINS), STRAIGHT & RIGHT ANGLE HEADERS AND SOCKETS • DOUBLE ROW STRIPS

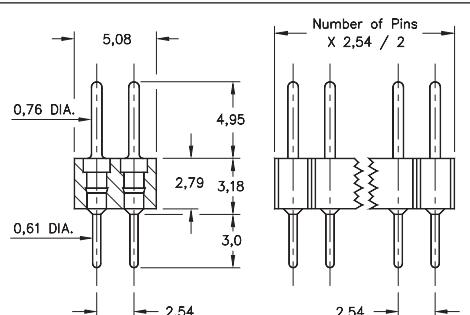


FIG. 1

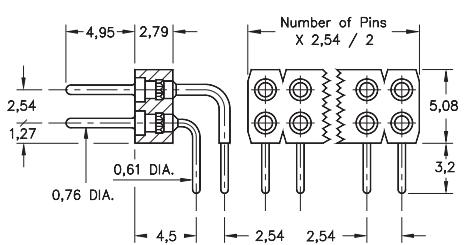


FIG. 2

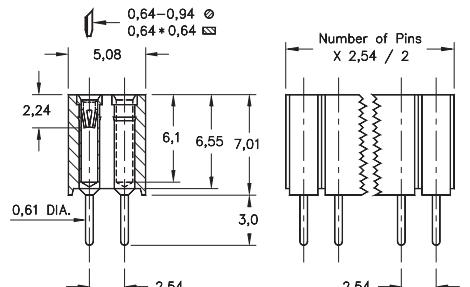


FIG. 3

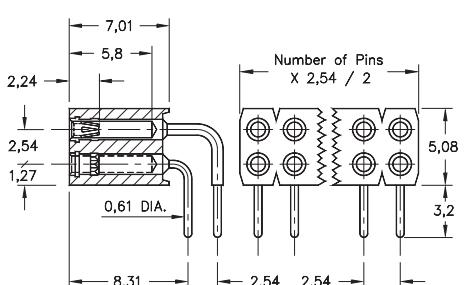
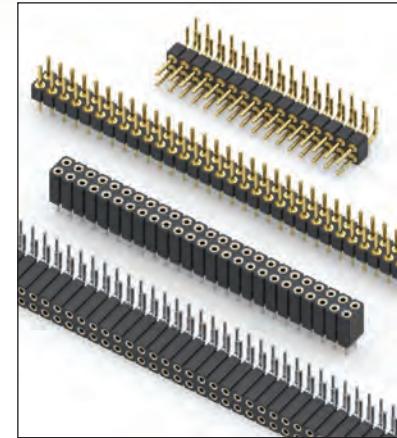


FIG. 4

- 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 0,76 diameter and 0,64 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		
SPECIFY PLATING CODE XX=	10	90	40			
Pin Plating		0,25µm Au	5,08µm Sn/Pb	5,08µm 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		
SPECIFY PLATING CODE XX=	91	93	99	41	43	47
Sleeve (Pin)		5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn
Contact (Clip)		0,25µm Au	0,76µm Au	2,54µm Sn/Pb	0,25µm Au	0,76µm Au
				Au Flash		

INTERCONNECTS

SERIES 800 & 801 • 2,54 GRID (0,76 DIA. PINS), SOLDERLESS PRESS-FIT • SINGLE ROW STRIPS

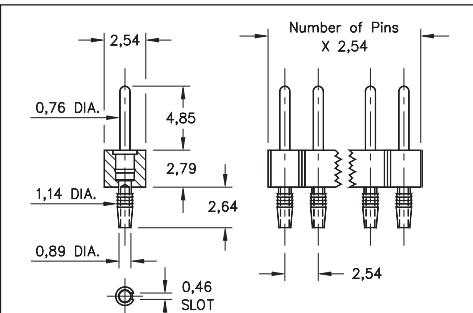


FIG. 1

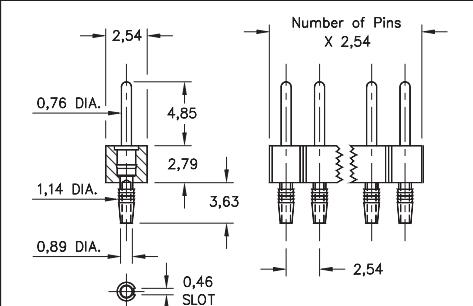


FIG. 2

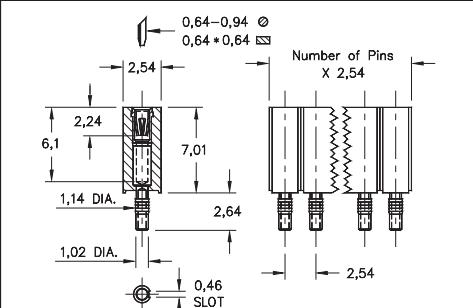


FIG. 3

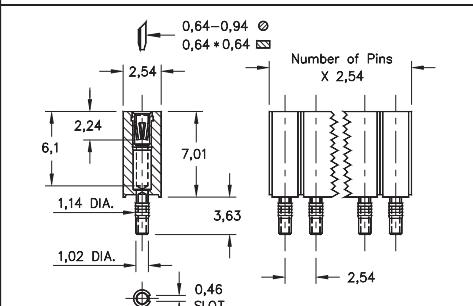
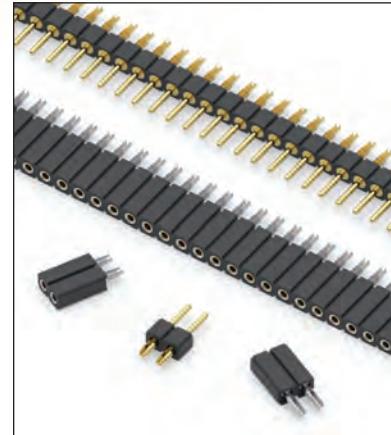


FIG. 4

- The unique compliant tail pins conform to $1,02 \pm 0,76$ finished hole without stressing inner layers. Patent No. 4,799,904
- Headers and sockets are available for board thicknesses of 1,52 - 2,54 and 2,29 - 3,3. See ordering information for details
- Series 800 pin headers use MM #5601 and #5602 compliant tail pins featuring a 0,76 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 0,76 diameter pins & 0,64 square pins. See pg. 256 for details
- Insulators are high temperature thermoplastic



ORDERING INFORMATION

FIG. 1	Compliant Tail Pin Header for 1,52 - 2,54 Thick Boards			
	800-XX-0	-61-001000	Specify number of pins	01-64
FIG. 2	Compliant Tail Pin Header for 2,29 - 3,3 Thick Boards			
	800-XX-0	-62-001000	Specify number of pins	01-64
		XX=Plating Code See Below		
	SPECIFY PLATING CODE XX=	10 90 40		
	Pin Plating	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn
FIG. 3	Compliant Tail Socket for 1,52 - 2,54 Thick Boards			
	801-XX-0	-61-001000	Specify number of pins	01-50
FIG. 4	Compliant Tail Socket for 2,29 - 3,3 Thick Boards			
	801-XX-0	-62-001000	Specify number of pins	01-50
		XX=Plating Code See Below		
	SPECIFY PLATING CODE XX=	91 93 99 41 43		
	Sleeve (Pin)	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn/Pb
	Contact (Clip)	0,25µm Au	0,76µm Au	2,54µm Sn/Pb
		0,25µm Au	0,76µm Au	0,76µm Au

INTERCONNECTS

SERIES 802 & 803 • 2,54 GRID (0,76 DIA. PINS), SOLDERLESS PRESS-FIT • DOUBLE ROW STRIPS

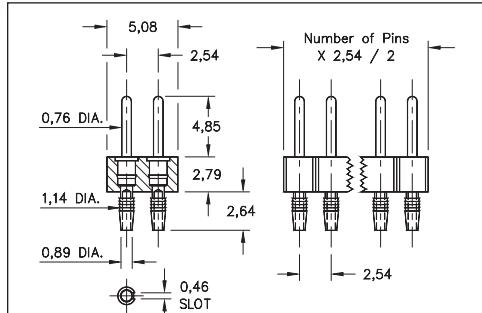


FIG. 1

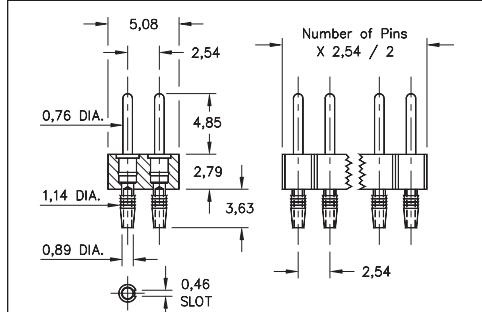


FIG. 2

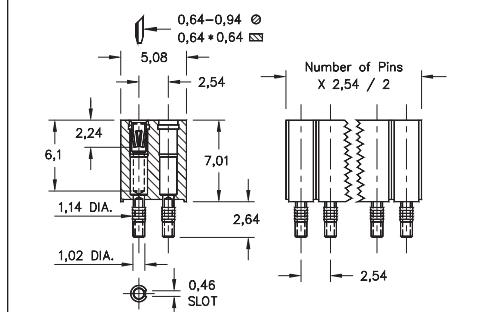


FIG. 3

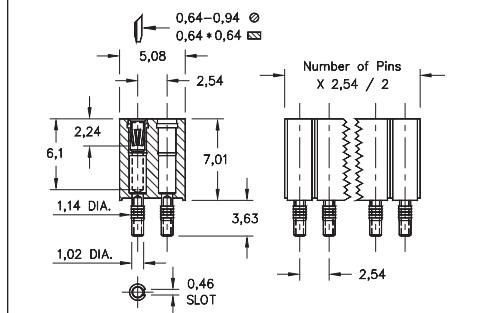
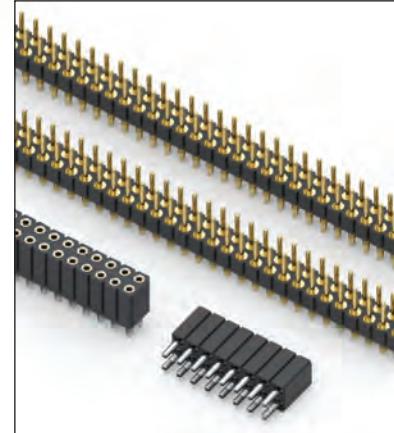


FIG. 4

- The unique compliant tail pins conform to $1,02 \pm 0,76$ finished hole without stressing inner layers. Patent No. 4,799,904
- Headers and sockets are available for board thicknesses of 1,52 - 2,54 and 2,29 - 3,3. See ordering information for details
- Series 802 pin headers use MM #5601 and #5602 compliant tail pins featuring a 0,76 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 0,76 diameter pins & 0,64 square pins. See pg. 256 for details
- Insulators are high temperature thermoplastic



ORDERING INFORMATION

FIG. 1	Compliant Tail Pin Header for 1,52 - 2,54 Thick Boards			
	802-XX-0	-61-001000	Specify number of pins	04-64
FIG. 2	Compliant Tail Pin Header for 2,29 - 3,3 Thick Boards			
	802-XX-0	-62-001000	Specify number of pins	04-64
	SPECIFY PLATING CODE XX=	10	90	40
	Pin Plating	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn
FIG. 3	Compliant Tail Socket for 1,52 - 2,54 Thick Boards			
	803-XX-	-61-001000	Specify number of pins	004-100
FIG. 4	Compliant Tail Socket for 2,29 - 3,3 Thick Boards			
	803-XX-	-62-001000	Specify number of pins	004-100
	SPECIFY PLATING CODE XX=	11	13	91
	Sleeve (Pin)	0,25µm Au	0,25µm Au	5,08µm Sn/Pb
	Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au
			2,54µm Sn/Pb	0,25µm Au
			0,76µm Au	2,54µm Sn

INTERCONNECTS

SERIES 800 & 802 • 2,54 GRID (0,76 DIA. PINS), SHROUDED STRAIGHT, SURFACE MOUNT & SOLDERLESS PRESS-FIT • SINGLE AND DOUBLE ROW STRIPS

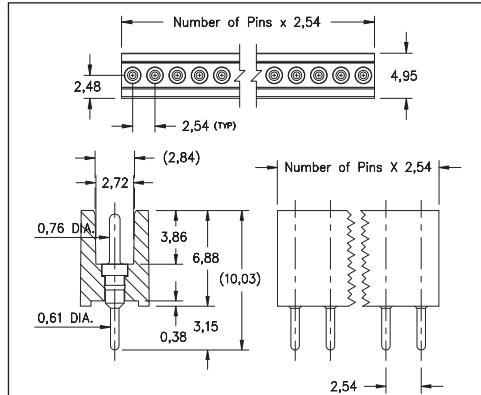


FIG. 1

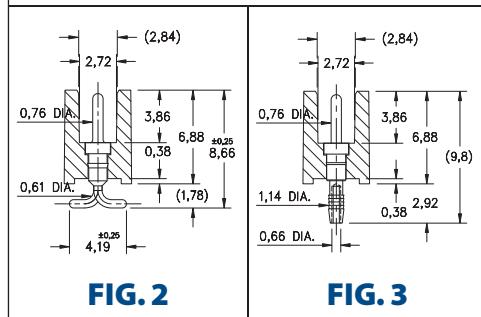


FIG. 2

FIG. 3

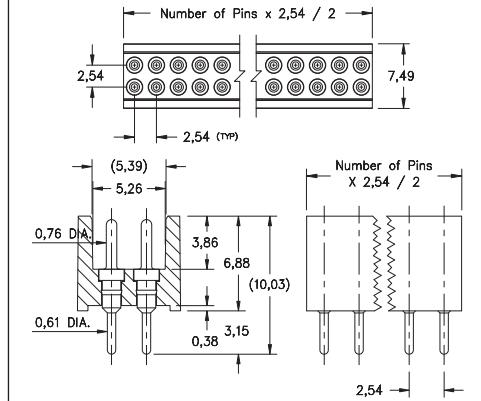


FIG. 4

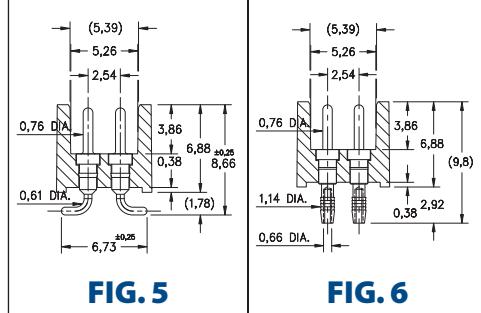
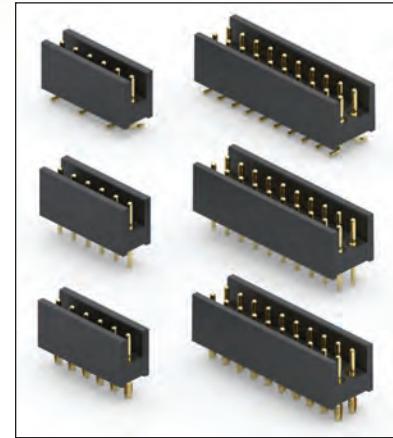


FIG. 5

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 $1,02 \pm 0,07$ 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
SPECIFY PLATING CODE XX=		
Pin Plating		10 ◇
Pin Plating		0,25µm Au

INTERCONNECTS

SERIES 888 • 2MM GRID (0,81 AND 1,12 DIA. PINS), SIGNAL POWER SHROUDED HEADER & SOCKET CONNECTOR

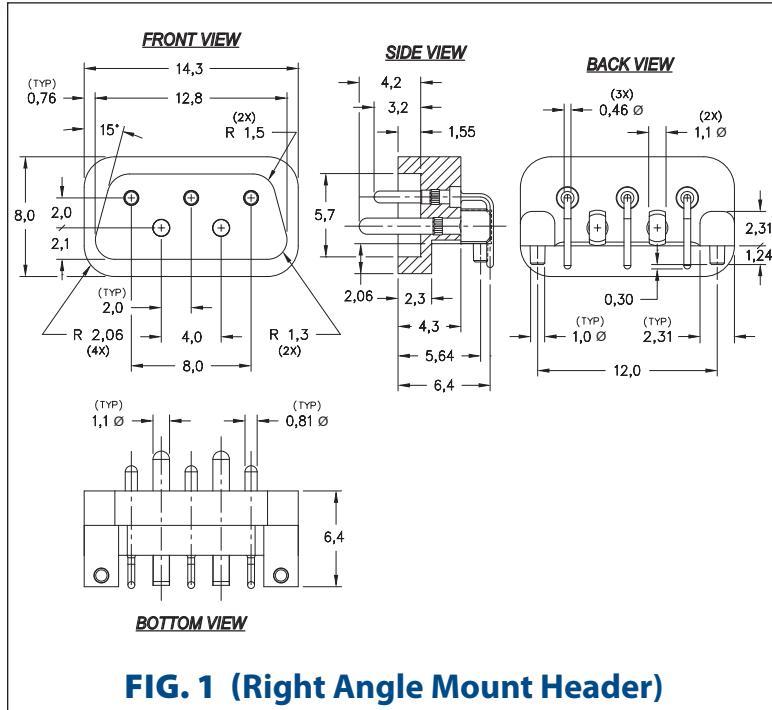


FIG. 1 (Right Angle Mount Header)

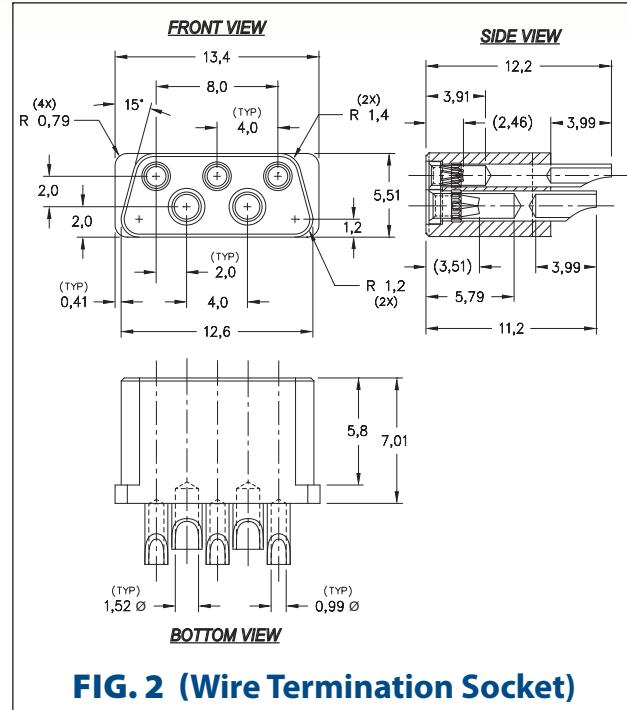


FIG. 2 (Wire Termination Socket)



- Series 888_002 right angle & surface mount P.C.B. headers have 0,81 & 1,12 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	



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	30	30		
Pin Plating		0,76 µm Au		

FIG. 2	Series 888...001 5 Pin Wire Termination Socket	
	888-93-005-00-001000	



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	93	93			
Sleeve (Pin)		5,08µm Sn/Pb			
Contact (Clip)		0,76µm Au			



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INTERCONNECTS

SERIES 808 & 809 • 2,54 GRID (0,46 DIA. PINS), STRAIGHT, SIGNAL POWER SHROUDED HEADER & SOCKET CONNECTOR

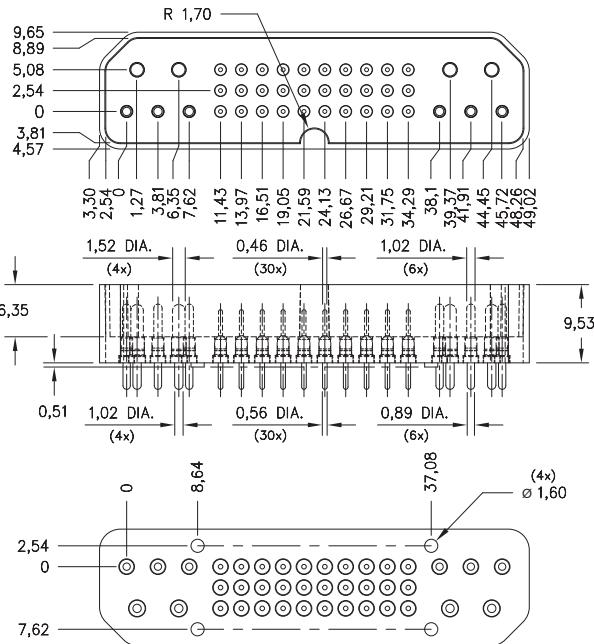


FIG. 1 (Signal Power Header)

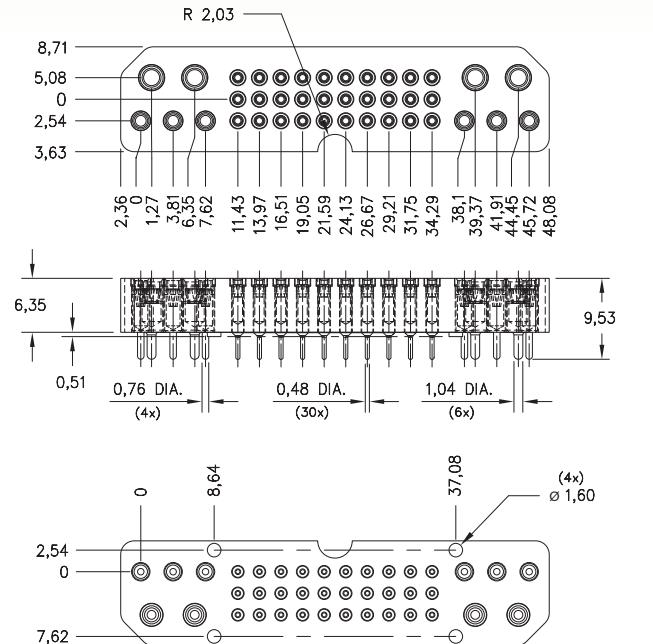


FIG. 2 (Signal Power Socket)



- Series 808 and 809 signal power header & socket have a mated height of 10,54
- Series 808 headers have 0,46 diameter (MM #3503), 1,02 diameter (MM #3502) and 1,52 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=

Pin Plating

10

0,25µm 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=

Sleeve (Pin)

43

5,08µm Sn

Contact (Clip)

0,76µm Au

INTERCONNECTS

SERIES 349, 449, 800, 801, 802, 803 • 2,54 GRID (0,76 DIA. PINS), SURFACE MOUNT HEADERS & SOCKETS • SINGLE AND DOUBLE ROW STRIPS

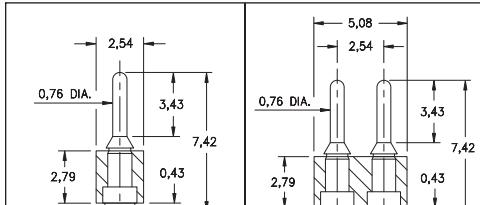


FIG. 1

- 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 0,64 - 0,94 and 0,64 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

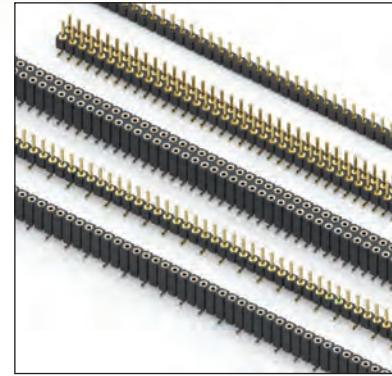


FIG. 2

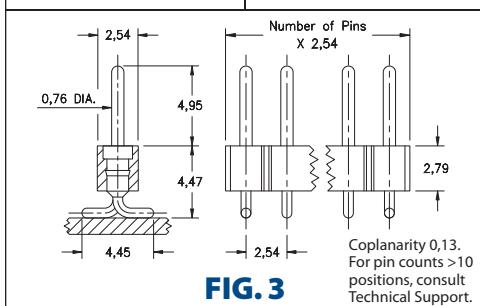


FIG. 3

ORDERING INFORMATION

FIG. 1	Series 349...560 Single Row Surface Mount Header	
	349-10-1_	-00-560000
FIG. 2	Specify number of pins	
	449-10-2_	-00-560000
FIG. 3	Specify number of pins	
	800-10-0_	-30-001000
FIG. 4	Specify number of pins	
	802-10-0_	-30-001000
SPECIFY PLATING CODE XX=		
Pin Plating		
FIG. 5	Series 801...001 Single Row Surface Mount Socket	
	801-43-0_	-30-001000
FIG. 6	Specify number of pins	
	803-XX-	-30-001000
Specify number of pins		
For Electrical, Mechanical & Environmental Data, See page 264		
RoHS-2 2011/65/EU		
XX=Plating Code See Below		
SPECIFY PLATING CODE XX=		
Sleeve (Pin)		
Contact (Clip)		

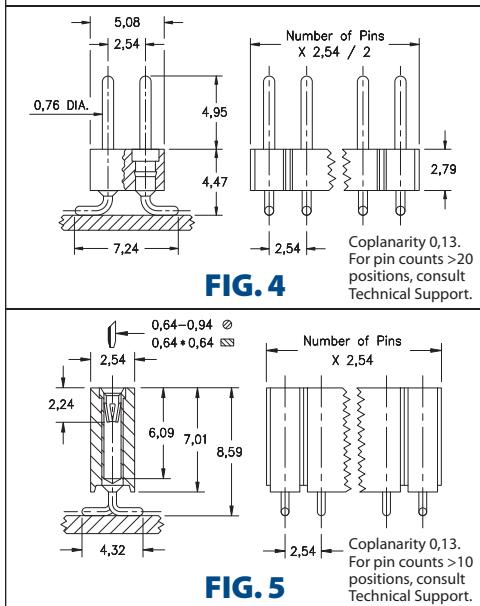


FIG. 5

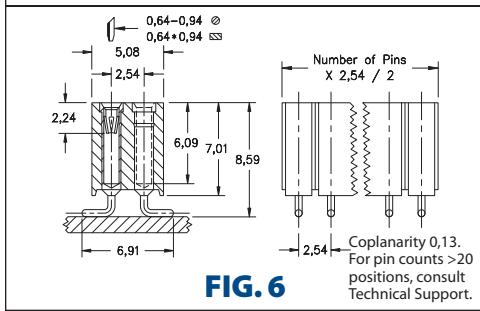


FIG. 6

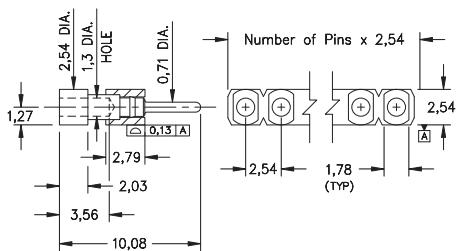


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INTERCONNECTS

SERIES 800, 801, 830 • 2,54 GRID (0,76 DIA. PINS), SURFACE MOUNT HEADERS AND SOCKETS • SINGLE ROW STRIPS

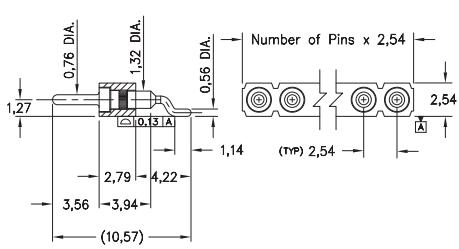
Mates with Series 801...002 Surface Mount Z-Bend Socket (See Fig. 3)



Coplanarity 0,13. For pin counts >10 positions, consult Technical Support.

FIG. 1

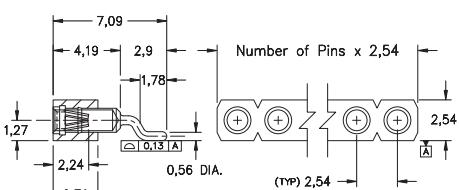
Mates with Series 801...002 Surface Mount Z-Bend Socket (See Fig. 3)



Coplanarity 0,13. 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)

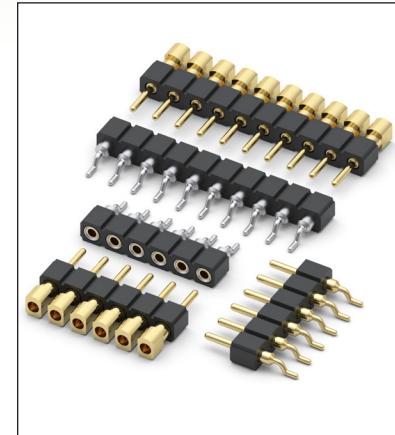


Coplanarity 0,13. For pin counts >10 positions, consult Technical Support.

FIG. 3

- Series 800 horizontal surface mount headers are available with 0,71 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 0,64 - 0,94 and 0,64 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	0,71 Dia. Surface Mount Header
	800-10-0	-40-002000
FIG. 2	Specify number of pins	02-10
	Series 830...028 0,76 Dia. Surface Mount Z-Bend Header	
	830-XX-0	-40-028000
	Specify number of pins	02-10
	SPECIFY PLATING CODE XX=	10 40
	Pin Plating	0,25µm Au 5,08µm Sn

FIG. 3	Series 801...002	0,71 Dia. Surface Mount Z-Bend Socket
	801-XX-0	-40-002000
	Specify number of pins	02-10
	SPECIFY PLATING CODE XX=	91 93 99 41 43 44
	Sleeve (Pin)	5,08µm Sn/Pb 5,08µm Sn/Pb 5,08µm Sn/Pb 5,08µm Sn 5,08µm Sn 5,08µm Sn
	Contact (Clip)	0,25µm Au 0,76µm Au 2,54µm Sn/Pb 0,25µm Au 0,76µm Au 2,54µm Sn



INTERCONNECTS

SERIES 804 & 805 • 2,54 GRID (0,76 DIA. PINS), HEADERS AND SOCKETS • TRIPLE ROW

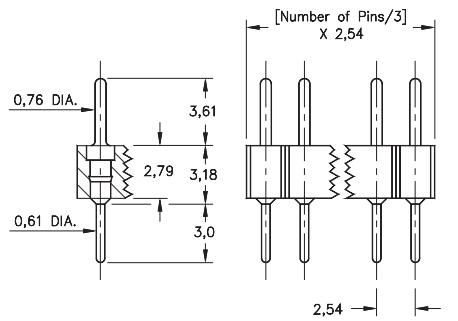
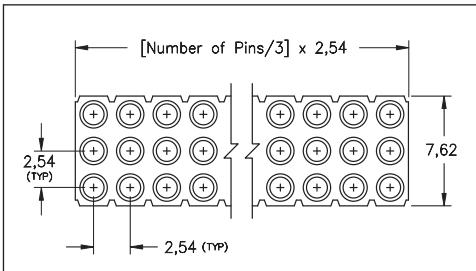


FIG. 1

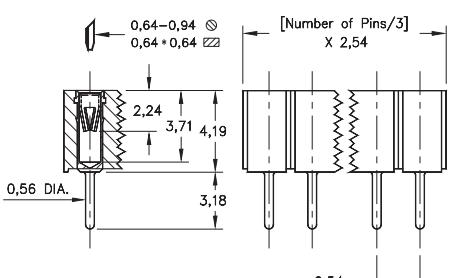
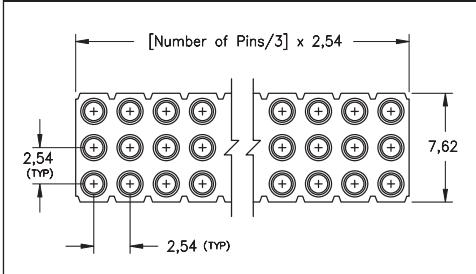
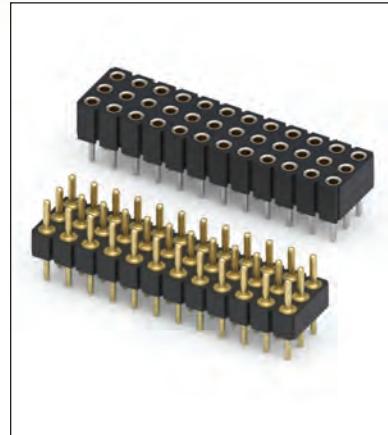


FIG. 2

- Series 804 triple row 2,54 grid headers uses MM #5016 pins. See page 215 for details
- Series 805 triple row 2,54 grid sockets uses MM #1303 pins. See page 180 for details
- Series 805 triple row 2,54 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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=		10			
Pin Plating		0,25µm Au			

FIG. 2	Series 805...012		Straight Pin Socket	
	805-43-0	-10-012000	Specify number of pins	09-96



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=		43				
Sleeve (Pin)						5,08µm Sn
Contact (Clip)						0,76µm Au

INTERCONNECTS

SERIES 800, 801, 802, 803 • 2,54 GRID SOLDER CUP HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

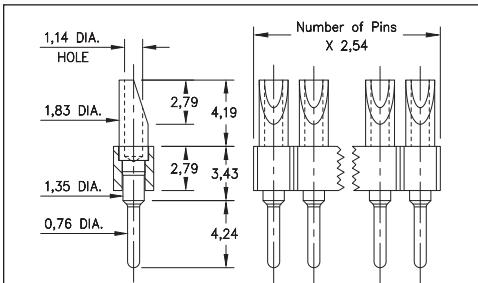


FIG. 1

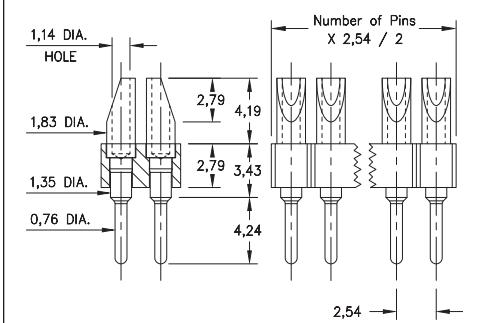


FIG. 2

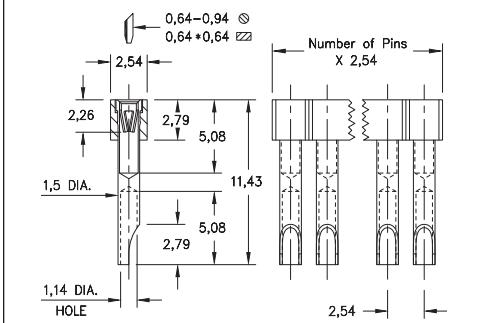


FIG. 3

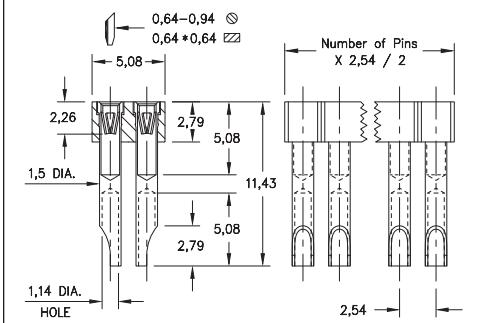


FIG. 4

- 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 0,64 - 0,94 and 0,64 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
FIG. 2	Specify number of pins	
	02-64	
FIG. 3	Series 802...007 Double Row Solder Cup / Solder Tail	
	802-XX-0	-10-007000
FIG. 4	Specify number of pins	
	02-64	
SPECIFY PLATING CODE XX=	10	40
Pin Plating		0,25µm Au
		5,08µm Sn
FIG. 3	Series 801...007 Single Row Solder Cup Sockets	
	801-13-0	-10-007000
FIG. 4	Specify number of pins	
	02-64	
FIG. 4	Series 803...007 Double Row Solder Cup Sockets	
	803-13-0	-10-007000
FIG. 4	Specify number of pins	
	02-64	
SPECIFY PLATING CODE XX=	13	
Sleeve (Pin)		0,25µm Au
Contact (Clip)		0,76µm Au

INTERCONNECTS

SERIES 800, 801, 802, 803 • 2,54 GRID (1,02 DIA. PINS), HEADERS AND SOCKETS • SINGLE AND DOUBLE ROW STRIPS

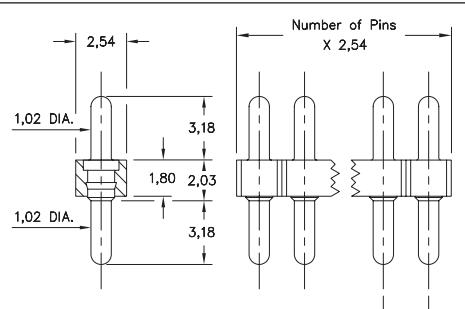


FIG. 1

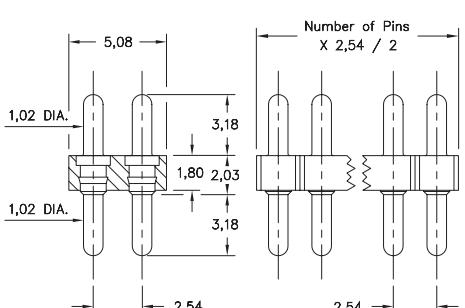


FIG. 2

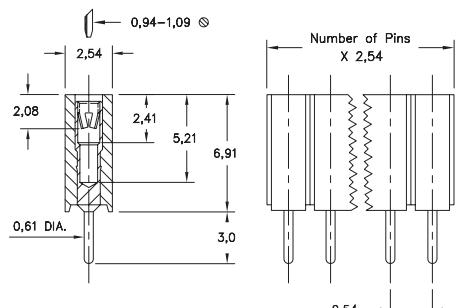


FIG. 3

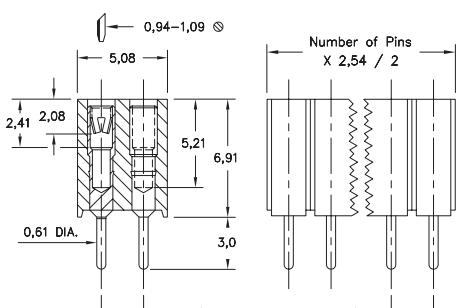


FIG. 4

- Series 800 and 802 single and double row interconnects feature sturdy 1,02 dia. leads (MM #3077) and low profile (1,80 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 0,94 - 1,09 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
FIG. 2	Specify number of pins	
	01-50	004-100
	SPECIFY PLATING CODE XX=	10 90 40
	Pin Plating	0,25µm Au 5,08µm Sn/Pb 5,08µm Sn
FIG. 3	Series 801...10-004 Single Row Socket	
	801-XX-0	-10-004000
	Specify number of pins	
	01-50	004-100
FIG. 4	Series 803...10-004 Double Row Socket	
	803-XX-	-10-004000
	Specify number of pins	
	004-100	
	SPECIFY PLATING CODE XX=	13 91 93 99 41 43 44
	Sleeve (Pin)	0,25µm Au 5,08µm Sn/Pb 5,08µm Sn/Pb 5,08µm Sn/Pb 5,08µm Sn 5,08µm Sn 5,08µm Sn
	Contact (Clip)	0,76µm Au 0,25µm Au 0,76µm Au 2,54µm Sn/Pb 0,25µm Au 0,76µm Au 2,54µm Sn

INTERCONNECTS

SERIES 834 & 835 • 2,54 GRID OFP® PASS-THROUGH SOCKETS Ø0,76 & □0,64 PINS• SINGLE AND DOUBLE ROW STRIPS

- 834/835 Series Pass-Through Sockets have a low 3,30 profile and will accept Ø 0,76 round pin, as well as industry standard 0,64 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 Ø1,17 ±0,08 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.*

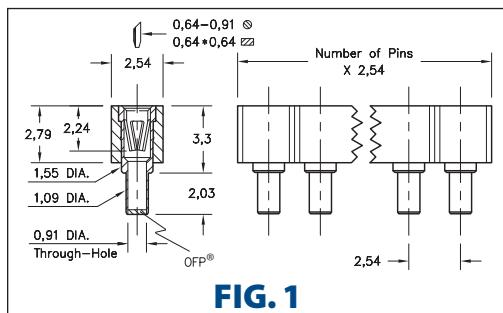
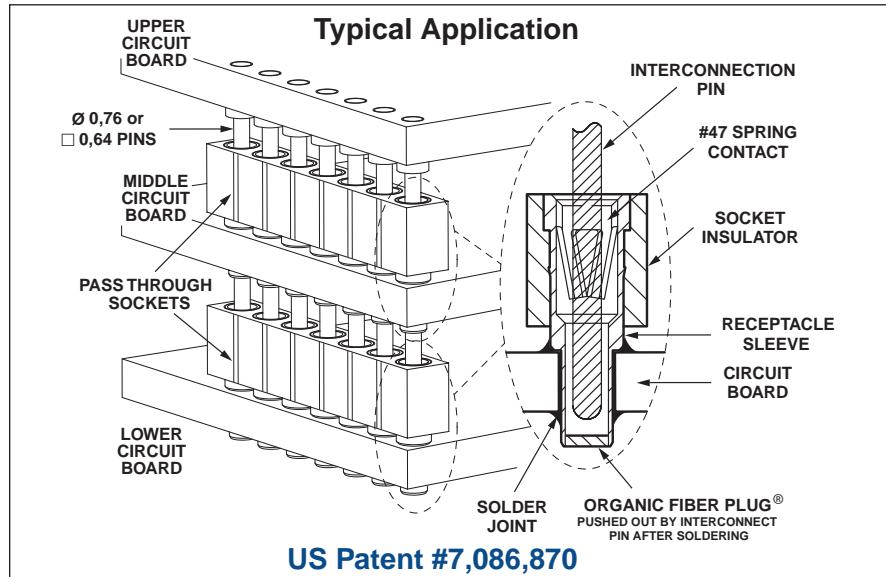
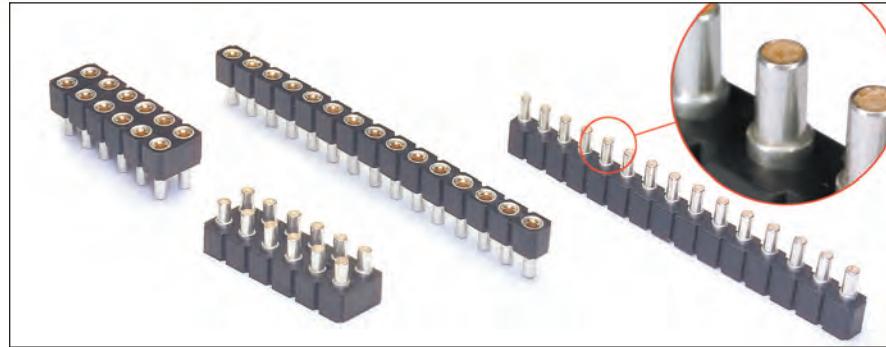


FIG. 1

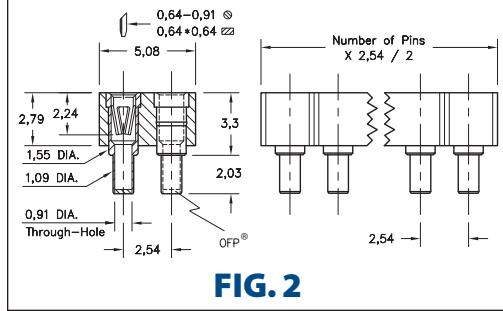


FIG. 2

ORDERING INFORMATION

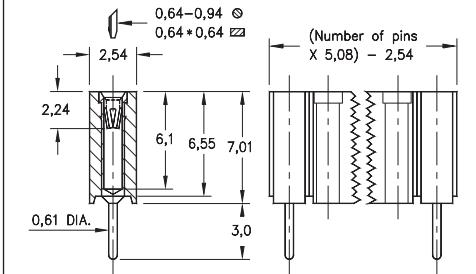
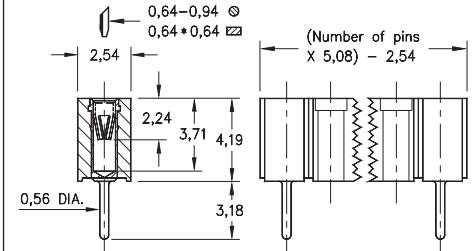
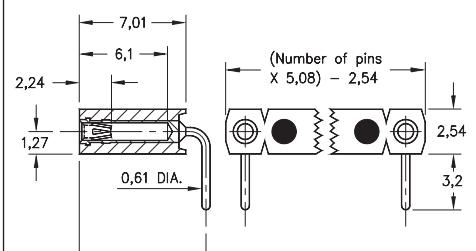
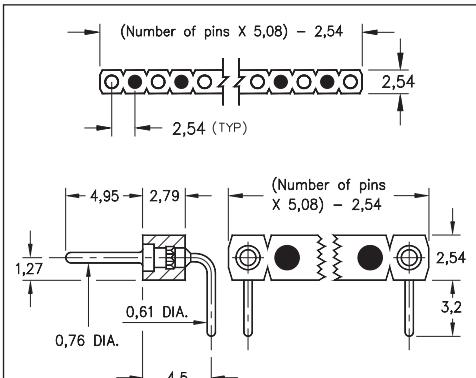
FIG. 1	Series 834...001 Single Row OFP® Pass-Through Socket	
	834-XX-0	-10-001000
Specify number of pins		01-64
FIG. 2	Series 835...001 Double Row OFP® Pass-Through Socket	
	835-XX-0	-10-001000
Specify number of pins		04-72
	XX=Plating Code See Below	
SPECIFY PLATING CODE XX=	93	43 47
Sleeve (Pin)	5,08µm Sn/Pb	5,08µm Sn
Contact (Clip)	0,76µm Au	0,76µm Au
	Au Flash	



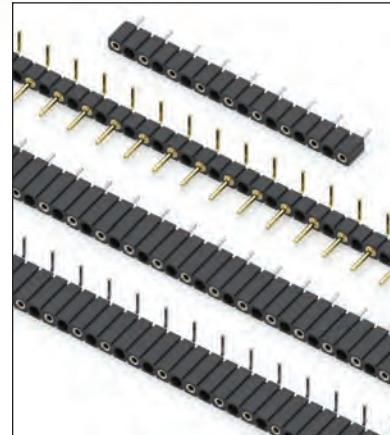
Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com

INTERCONNECTS

SERIES 800 & 801 • 5,08 GRID (0,76 DIA. PINS), STRAIGHT AND RIGHT ANGLE • SINGLE ROW STRIPS



- 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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

FIG. 4	SPECIFY PLATING CODE XX=						41	43
	Sleeve (Pin)						5,08µm Sn	5,08µm Sn

FIG. 4	SPECIFY PLATING CODE XX=						41	43
	Contact (Clip)						0,25µm Au	0,76µm Au

INTERCONNECTS

SERIES 310, 311, 315 • 2,54 GRID SOLDER TAIL • SINGLE ROW STRIPS

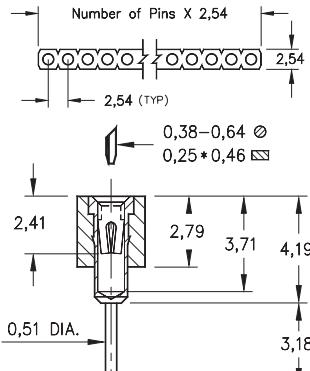


FIG. 1

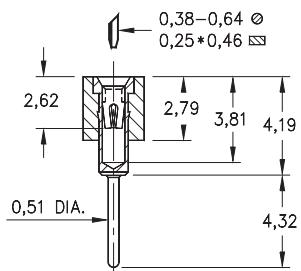


FIG. 2

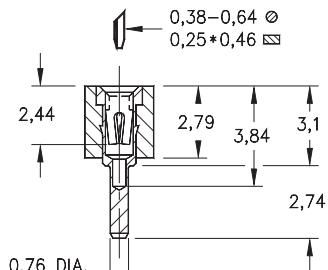


FIG. 3

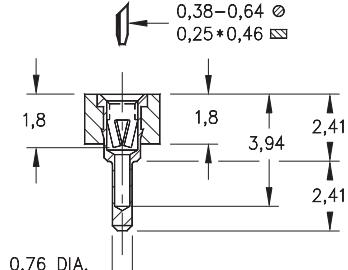
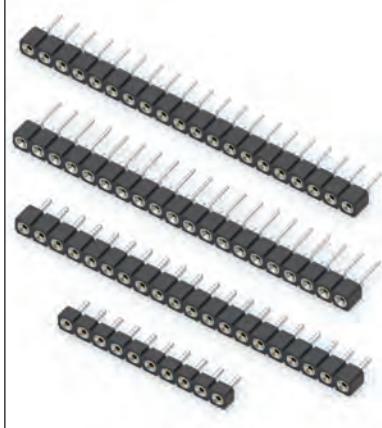


FIG. 4

- SIP sockets accept 0,38 - 0,64 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
FIG. 2	Series 311...001		Long Solder Tail
	311-XX-1	-41-001000	Specify number of pins
FIG. 3	Series 315...001		Very Low Profile
	315-XX-1	-41-001000	Specify number of pins
FIG. 4	Series 315...003		Ultra Low Profile
	315-XX-1	-41-003000	Specify number of pins



XX=Plating Code
See Below



SPECIFY PLATING CODE XX=	11	13	91	93	99	41	43	44	47
Sleeve (Pin)	0,25µm Au	0,25µm Au	0,08µm Sn/Pb	0,08µm Sn/Pb	0,08µm Sn/Pb	0,08µm Sn	0,08µm Sn	0,08µm Sn	0,08µm Sn
Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	0,25µm Sn/Pb	0,25µm Au	0,76µm Au	0,25µm Sn	Au Flash

* 41 & 91 Platings Non-Standard



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INTERCONNECTS

SERIES 410, 411, 415 • 2,54 GRID SOLDER TAIL • DOUBLE ROW STRIPS

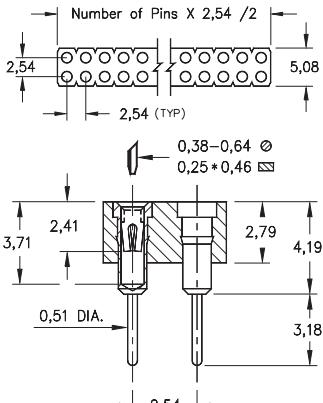


FIG. 1

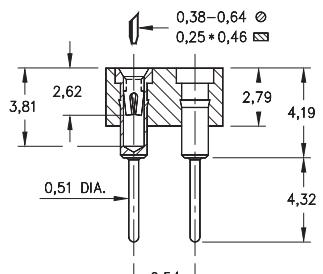


FIG. 2

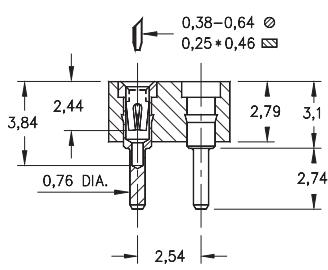


FIG. 3

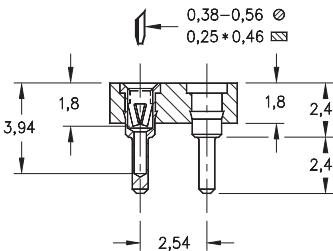
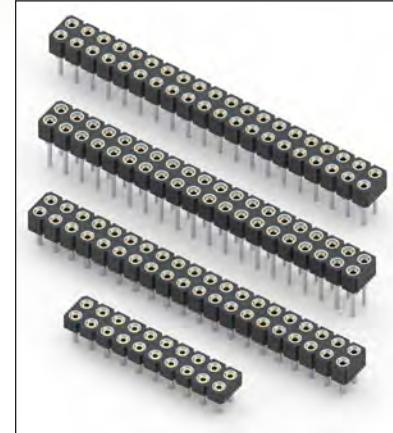


FIG. 4

- Series 41X double row strip sockets are on 2,54 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



XX=Plating Code
See Below

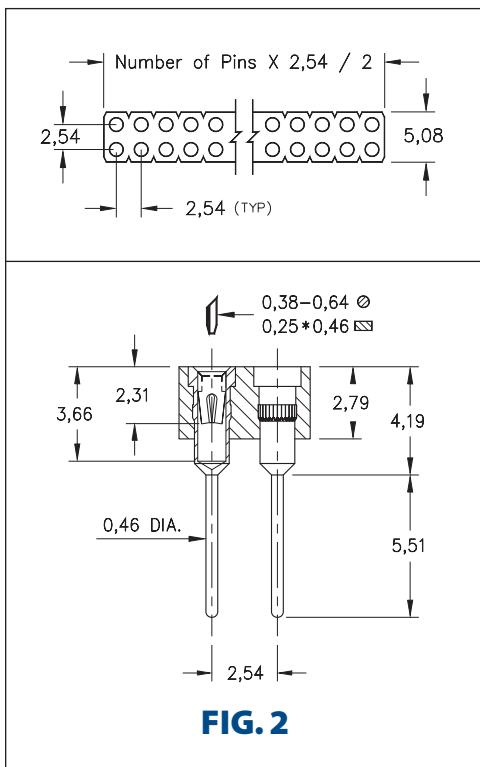
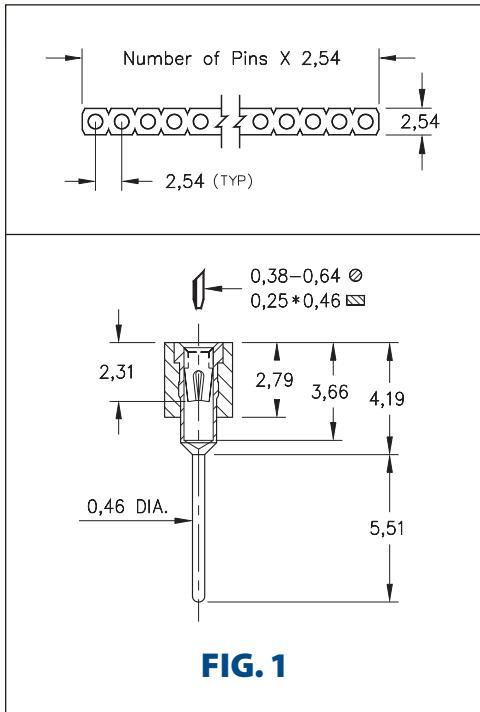
For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	11	13	91	93	41	43	47
Sleeve (Pin)	0,25µm Au	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	5,08µm Sn
Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	Au Flash



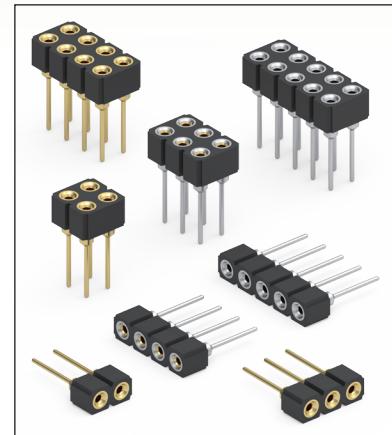
INTERCONNECTS

SERIES 311 & 411 • 2,54 GRID LONG SOLDER TAIL • SINGLE AND DOUBLE ROW STRIPS



- SIP sockets accept 0,38 - 0,64 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
FIG. 2	Specify number of pins	
	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=	13 ◆	93	99	43 ◆	44 ◆	47 ◆
Sleeve (Pin)	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	5,08µm Sn
Contact (Clip)	0,76µm Au	0,76µm Au	2,54µm Sn/Pb	0,76µm Au	2,54µm Sn	Au Flash



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INTERCONNECTS

SERIES 316 • 2,54 GRID ELEVATED • SINGLE ROW STRIPS

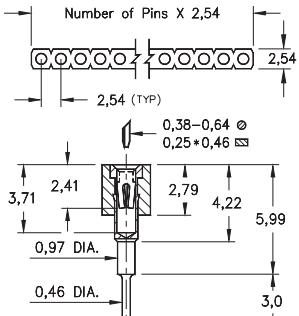


FIG. 1

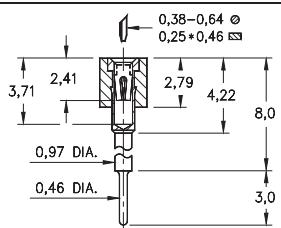


FIG. 2

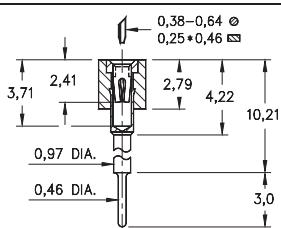


FIG. 3

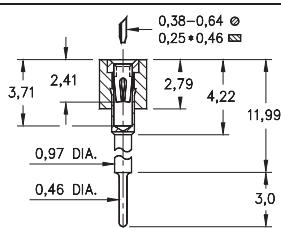


FIG. 4

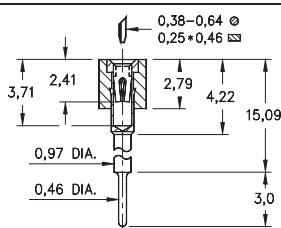


FIG. 5

- 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 = 5,99
	316-XX-1_-41-006000	Specify number of pins 01-64
FIG. 2	Series 316...003	Standoff Height = 8,0
	316-XX-1_-41-003000	Specify number of pins 01-64
FIG. 3	Series 316...007	Standoff Height = 10,21
	316-XX-1_-41-007000	Specify number of pins 01-64
FIG. 4	Series 316...008	Standoff Height = 11,99
	316-XX-1_-41-008000	Specify number of pins 01-64
FIG. 5	Series 316...001	Standoff Height = 15,09
	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 ◆	
5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn
0,25µm Au	0,76µm Au	0,25µm Au
	Au Flash	0,76µm Au

INTERCONNECTS

SERIES 416 • 2,54 GRID ELEVATED • DOUBLE ROW STRIPS

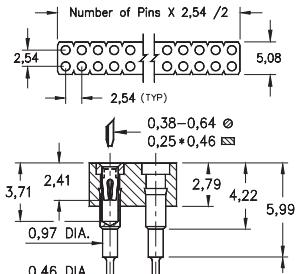


FIG. 1

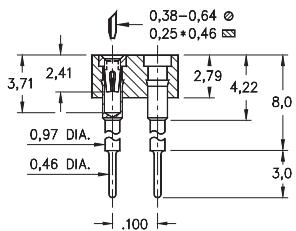


FIG. 2

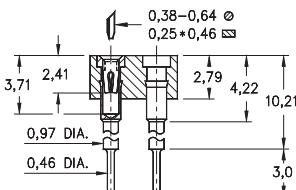


FIG. 3

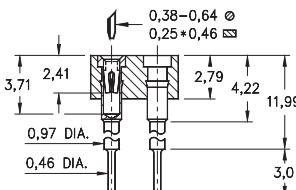


FIG. 4

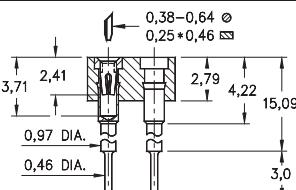


FIG. 5

- 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

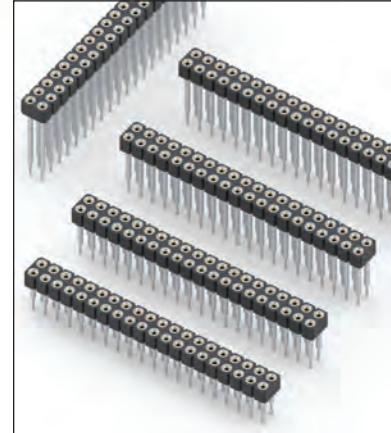
416...008 uses pin # 0153-4

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 = 5,99																									
	416-XX-2	-41-006000																									
FIG. 2	Specify number of pins	04-64																									
	Series 416...003	Standoff Height = 8,0																									
FIG. 3	416-XX-2	-41-003000																									
	Specify number of pins	04-64																									
FIG. 4	Series 416...007	Standoff Height = 10,21																									
	416-XX-2	-41-007000																									
FIG. 5	Specify number of pins	04-64																									
	Series 416...008	Standoff Height = 11,99																									
	416-XX-2	-41-008000																									
	Specify number of pins	04-64																									
	Series 416...001	Standoff Height = 15,09																									
	416-XX-2	-41-001000																									
	Specify number of pins	04-64																									
		XX=Plating Code See Below																									
SPECIFY PLATING CODE XX= <table border="1"> <tbody> <tr> <td>91</td> <td>93</td> <td></td> <td>41 </td> <td>43 </td> </tr> <tr> <td>5,08µm Sn/Pb</td> <td>5,08µm Sn/Pb</td> <td></td> <td>5,08µm Sn</td> <td>5,08µm Sn</td> </tr> <tr> <td>Contact (Clip)</td> <td></td> <td>0,25µm Au</td> <td>0,76µm Au</td> <td>0,25µm Au</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Contact (Clip)</td> <td></td> <td>0,76µm Au</td> <td></td> <td></td> </tr> </tbody> </table>			91	93		41	43	5,08µm Sn/Pb	5,08µm Sn/Pb		5,08µm Sn	5,08µm Sn	Contact (Clip)		0,25µm Au	0,76µm Au	0,25µm Au						Contact (Clip)		0,76µm Au		
91	93		41	43																							
5,08µm Sn/Pb	5,08µm Sn/Pb		5,08µm Sn	5,08µm Sn																							
Contact (Clip)		0,25µm Au	0,76µm Au	0,25µm Au																							
Contact (Clip)		0,76µm Au																									

INTERCONNECTS

SERIES 321, 322, 323, 324 • 2,54 GRID WRAPOST • SINGLE ROW STRIPS

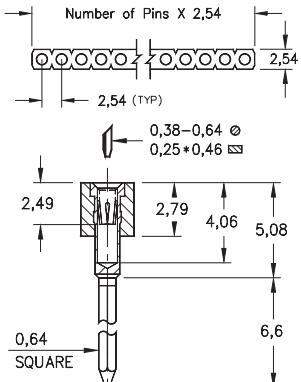


FIG. 1

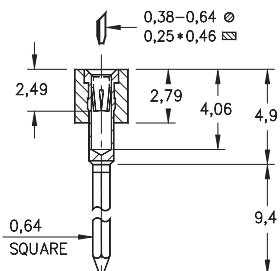


FIG. 2

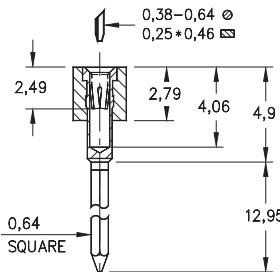


FIG. 3

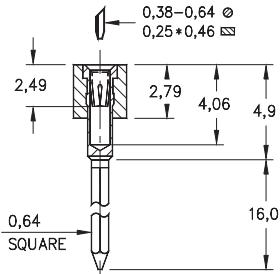


FIG. 4

- 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
FIG. 2	Series 322...001		2 Level Wrapost
	322-XX-1	-41-001000	Specify number of pins
FIG. 3	Series 323...001		3 Level Wrapost
	323-XX-1	-41-001000	Specify number of pins
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
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	11	13	91	93	41	43	
Sleeve (Pin)	0,25µm Au	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	
Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	

INTERCONNECTS

SERIES 421, 422, 423, 424 • 2,54 GRID WRAPOST • DOUBLE ROW STRIPS

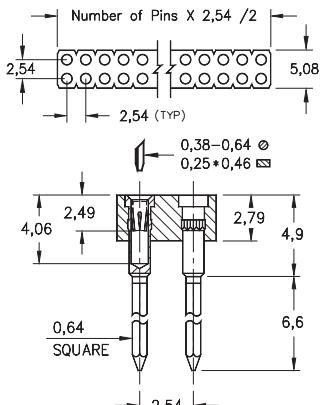


FIG. 1

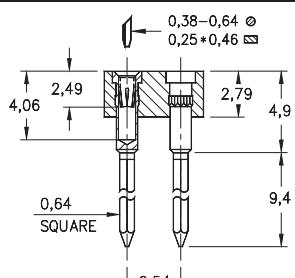


FIG. 2

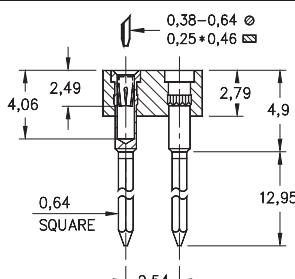


FIG. 3

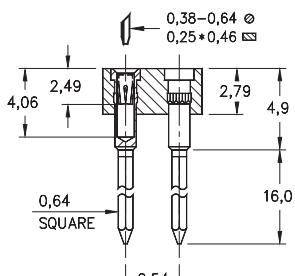


FIG. 4

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

1-Level uses pin # 0040-1

2-Level uses pin # 0089-2

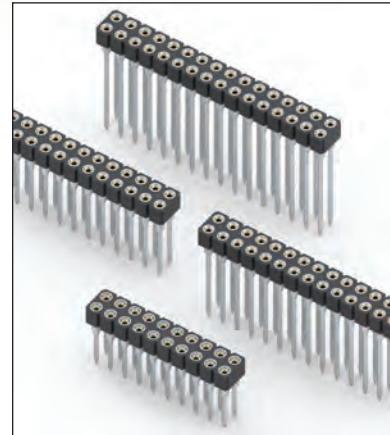
3-Level uses pin # 0088-3

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
FIG. 2	Specify number of pins	04-64
	422-XX-2	-41-001000
FIG. 3	Specify number of pins	04-64
	423-XX-2	-41-001000
FIG. 4	Specify number of pins	04-64
	424-XX-2	-41-002000



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	13	93	43
Sleeve (Pin)	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn
Contact (Clip)	0,76µm Au	0,76µm Au	0,76µm Au

INTERCONNECTS

SERIES 326 • 2,54 GRID WRAPOST WITH SOLDER TAIL • SINGLE ROW STRIPS

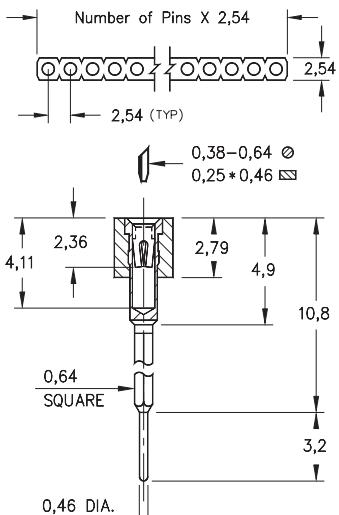


FIG. 1

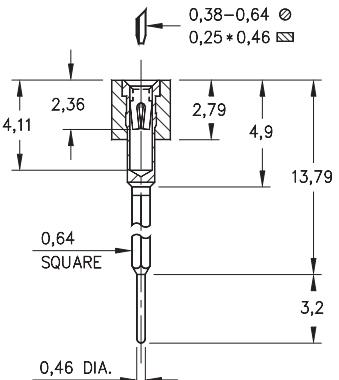


FIG. 2

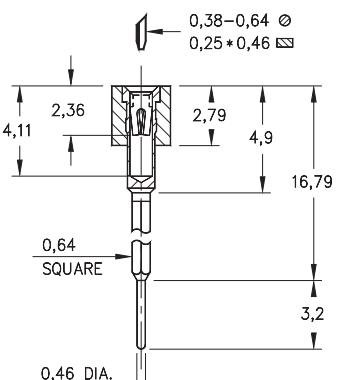


FIG. 3

- 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
FIG. 2	Series 326...002		2 Level Wrapost
	326-XX-1	-41-002000	Specify number of pins
FIG. 3	Series 326...003		3 Level Wrapost
	326-XX-1	-41-003000	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=	91	93	41	43
Sleeve (Pin)	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn
Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au



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 426 • 2,54 GRID WRAPOST WITH SOLDER TAIL • DOUBLE ROW STRIPS

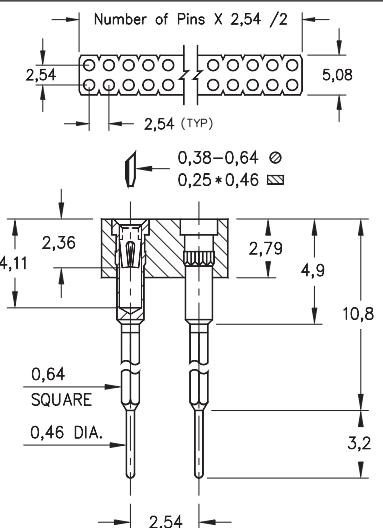


FIG. 1

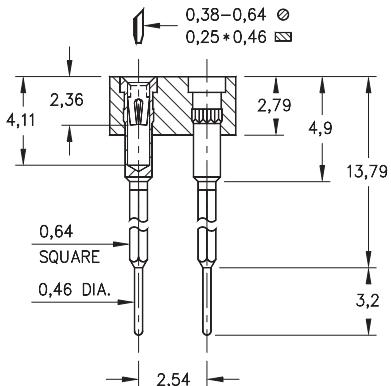


FIG. 2

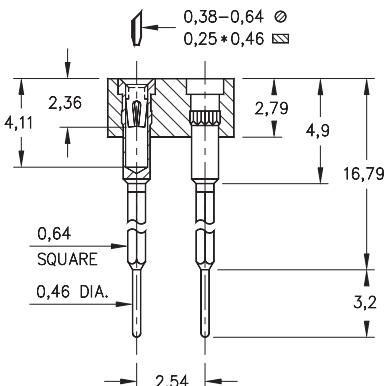


FIG. 3

- 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
FIG. 2	Series 426...002		2 Level Wrapost
	426-XX-2	-41-002000	Specify number of pins
FIG. 3	Series 426...003		3 Level Wrapost
	426-XX-2	-41-003000	Specify number of pins



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	13	93	43
Sleeve (Pin)	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn
Contact (Clip)	0,76µm Au	0,76µm Au	0,76µm Au

INTERCONNECTS

SERIES 304, 346 • 2,54 GRID SOLDERLESS PRESS-FIT • SINGLE ROW STRIPS

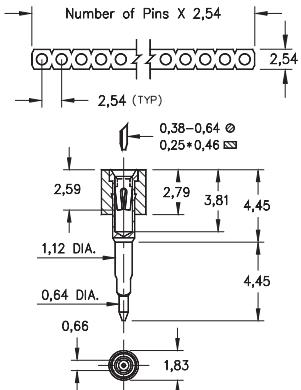


FIG. 1

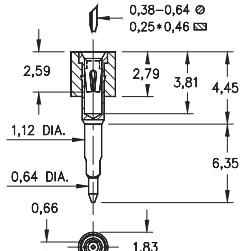


FIG. 2

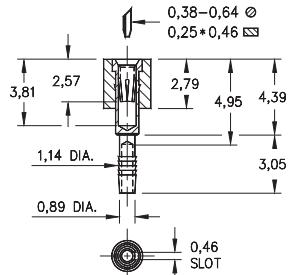


FIG. 3

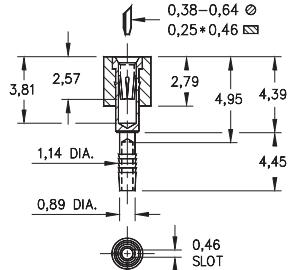


FIG. 4

- 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: 0,91 - 1,04 use a 1,1mm drill prior to plating. Using MM #0477 & #0478 pins. See page 162 for details
- For 346 series: 1,02 ± 0,07 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



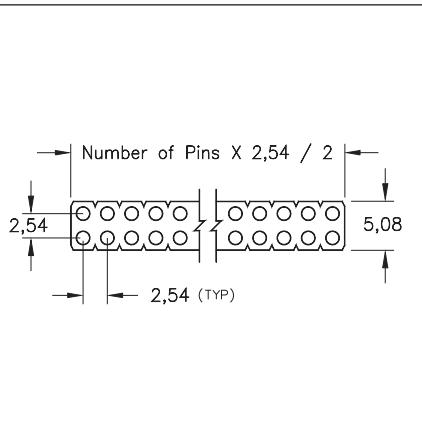
ORDERING INFORMATION

FIG. 1	Series 304...770 Solderless Press-Fit								
	For 1,57 Thick Boards								
	304-XX-1	-41-770000							
FIG. 2	Specify number of pins								
	01-64								
	Specify number of pins								
FIG. 3	Series 304...780 Solderless Press-Fit								
	For 3,18 Thick Boards								
	304-XX-1	-41-780000							
FIG. 4	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 1,52 - 2,54 Thick Boards								
	346-XX-1	-41-012000							
FIG. 4	Specify number of pins								
	01-64								
	Specify number of pins								
FIG. 4	Series 346...013 Compliant Solderless Press-Fit								
	For 2,29 - 3,3 Thick Boards								
	346-XX-1	-41-013000							
FIG. 4	Specify number of pins								
	01-64								
	Specify number of pins								
		XX=Plating Code See Below							
SPECIFY PLATING CODE XX=		11 13 91 93 99 41 43 44							
Sleeve (Pin)		0,25µm Au	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	5,08µm Sn
Contact (Clip)		0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	2,54µm Sn/Pb	0,25µm Au	0,76µm Au	2,54µm Sn

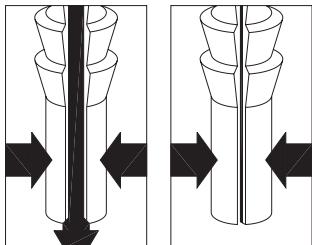
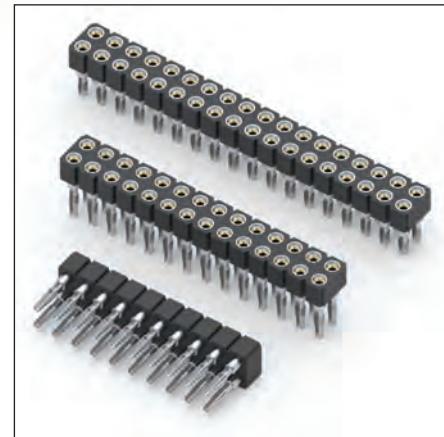
For
Electrical, Mechanical
& Environmental Data,
See page 264

INTERCONNECTS

SERIES 446 • 2,54 GRID COMPLIANT TAIL • DOUBLE ROW STRIPS



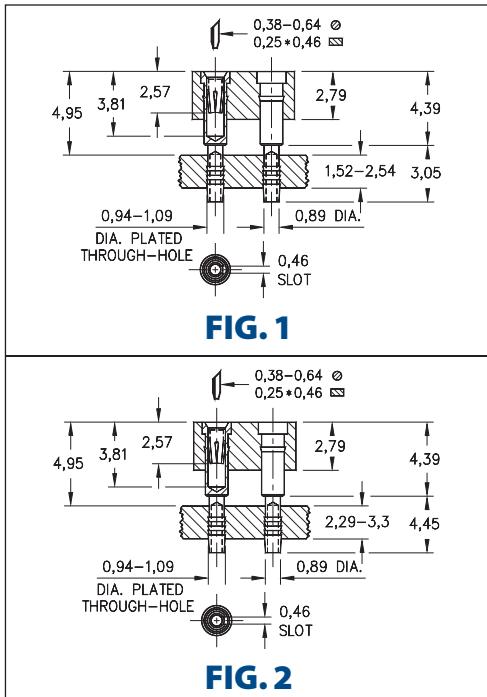
- Compliant tail solderless press-fit: MM #4612 or #4613 pins. Use series 446...012 for 1,52 - 3,05 thick boards and series 446...013 for 2,29 - 3,30 thick boards. See page 162 for details
- Compliant tail receptacles can be inserted and removed without any degradation of the plated through-hole
- Hi-Rel, 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 $1,02 \pm 0,08$ 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
FIG. 2	Series 446...013		Compliant Tail Socket
	446-XX-2	-41-013000	Specify number of pins
			04-64
			04-64

RoHS-2
2011/65/EU

XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	13	93	99	43	44	
Sleeve (Pin)		0,25µm Au	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn
Contact (Clip)		0,76µm Au	0,76µm Au	2,54µm Sn/Pb	0,76µm Au	2,54µm Sn

INTERCONNECTS

SERIES 712 • 2,54 GRID CARRIER WITH SOLDER TAIL • SINGLE AND DOUBLE ROW STRIPS

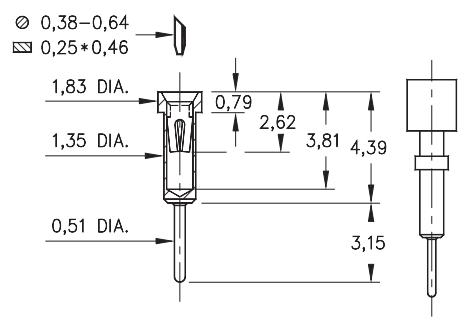
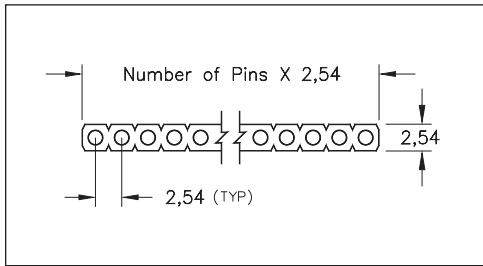


FIG. 1

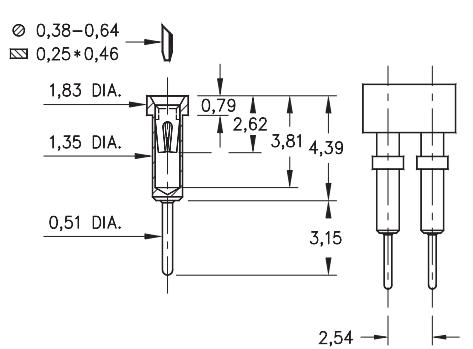
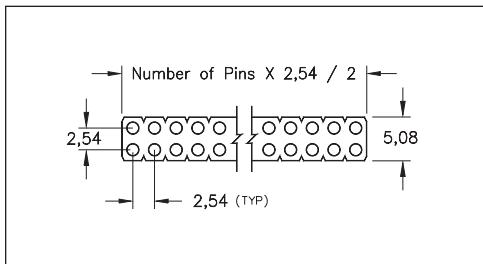


FIG. 2

- 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 (0,71 or 1,4 min. mounting holes)	
	712-XX-1	-41-001000
	Specify number of pins	01-64

FIG. 2	Double Row (0,71 or 1,4 min. mounting holes)	
	712-XX-2	-41-001000
	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=	11	13	91	93	41	43	
Sleeve (Pin)	0,25µm Au	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn	
Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au	

INTERCONNECTS

SERIES 714...00X • 2,54 GRID LOW PROFILE CARRIERS • SINGLE AND DOUBLE ROW STRIPS

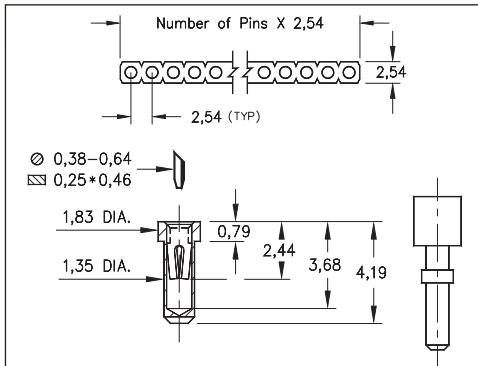


FIG. 1

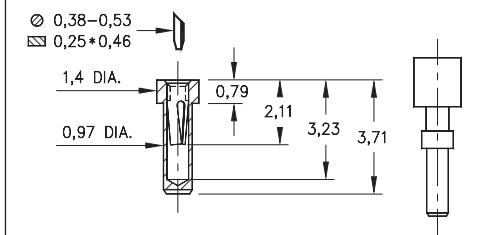


FIG. 2

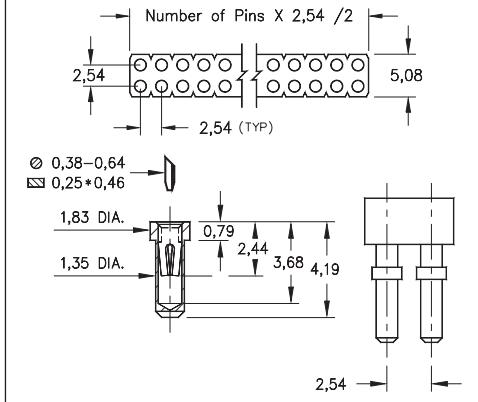


FIG. 3

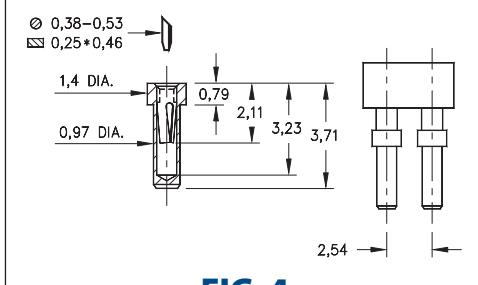
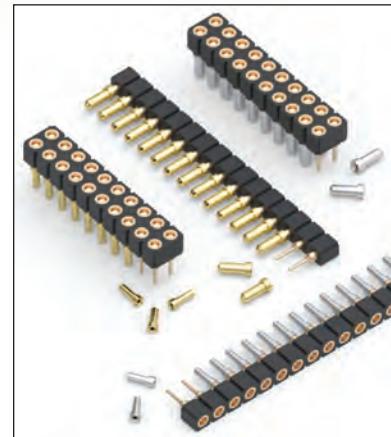


FIG. 4

- Low profile receptacles sit 0,79 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 (1,4 min. mounting hole)	
	714-XX-1	-41-001000
FIG. 2	Specify number of pins	
	714-XX-1	-31-007000
FIG. 3	Specify number of pins	
	714-XX-2	-41-001000
FIG. 4	Specify number of pins	
	714-XX-2	-31-007000

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)	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn
Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au

INTERCONNECTS

SERIES 714...01X • 2,54 GRID ULTRA LOW PROFILE CARRIERS • SINGLE AND DOUBLE ROW STRIPS

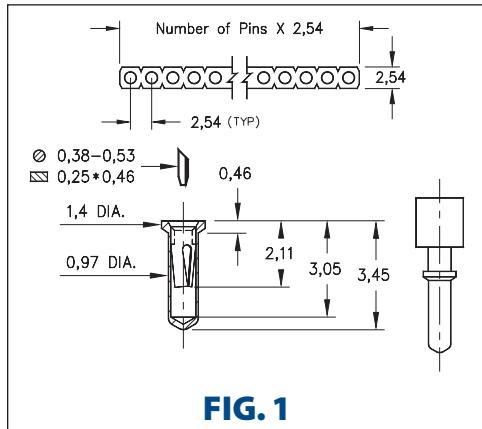


FIG. 1

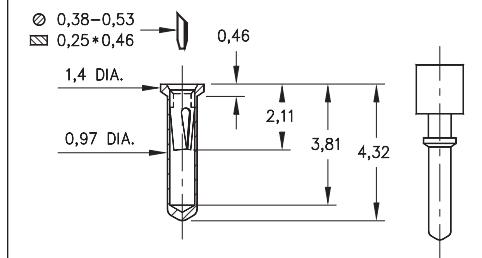


FIG. 2

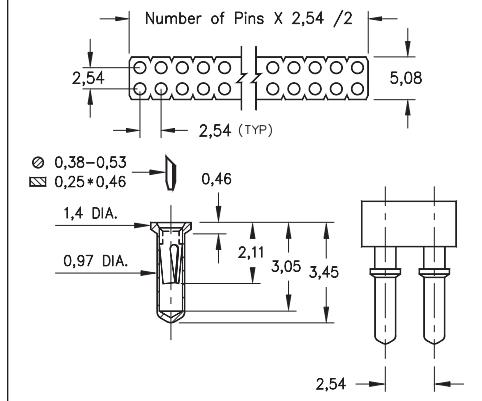


FIG. 3

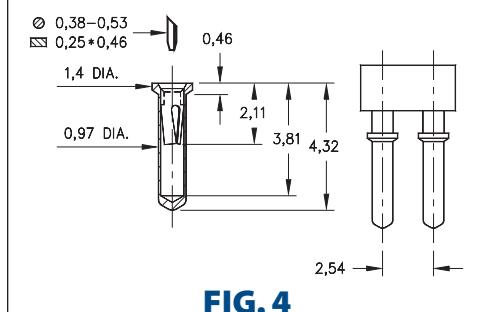
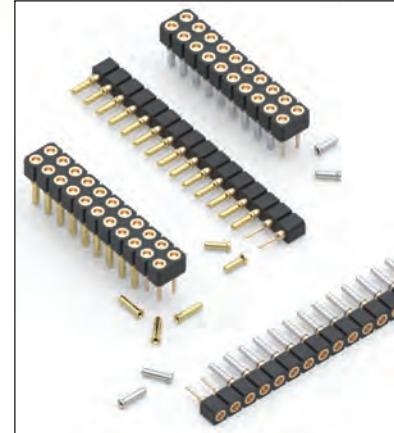


FIG. 4

- Ultra low profile receptacles sit 0,46 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 (0,99 min. mounting hole)	
	714-XX-1 -31-012000	
FIG. 2	Specify number of pins	
	01-64	
FIG. 3	Single Row (0,99 min. mounting hole)	
	714-XX-1 -31-018000	
FIG. 4	Specify number of pins	
	01-64	
FIG. 3	Double Row (0,99 min. mounting hole)	
	714-XX-2 -31-012000	
FIG. 4	Specify number of pins	
	04-64	
FIG. 4	Double Row (0,99 min. mounting hole)	
	714-XX-2 -31-018000	
FIG. 4	Specify number of pins	
	04-64	



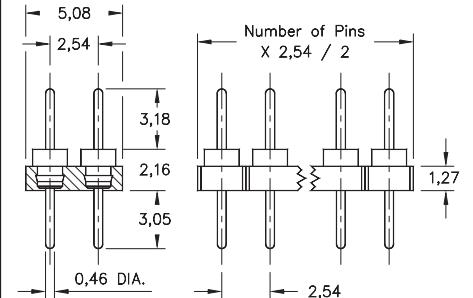
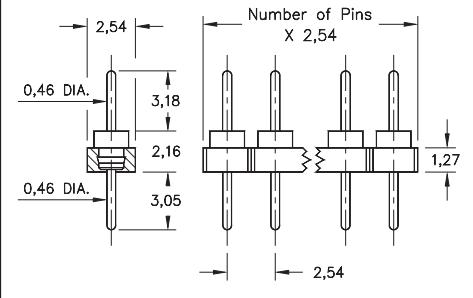
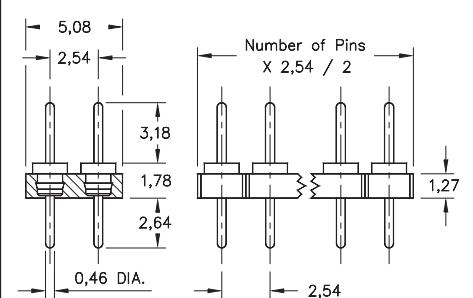
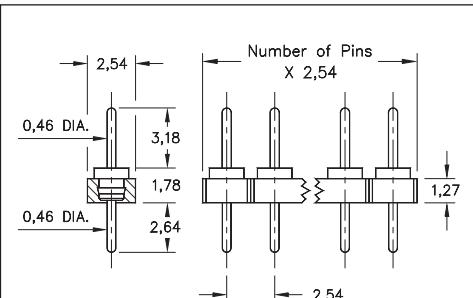
XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

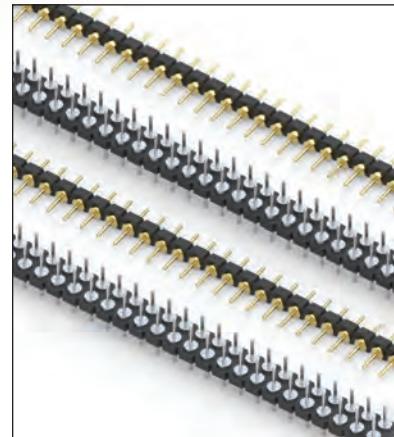
SPECIFY PLATING CODE XX=	91	93	41	43
Sleeve (Pin)	5,08µm Sn/Pb	5,08µm Sn/Pb	5,08µm Sn	5,08µm Sn
Contact (Clip)	0,25µm Au	0,76µm Au	0,25µm Au	0,76µm Au

INTERCONNECTS

SERIES 335, 364, 435, 464 • 2,54 GRID (0,46 DIA. PINS), LOW PROFILE • SINGLE AND DOUBLE ROW STRIPS



- Series 335 and 435 single and double row PCB interconnects offer a 1,78 profile, the lowest available
- Series 364 and 464 single and double row PCB interconnects offer 2,16 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 1,78 Profile Pin Header								
	335-XX-1 -00-160000 Specify number of pins 01-32								
FIG. 2	Series 435...160 Double Row 1,78 Profile Pin Header								
	435-XX-2 -00-160000 Specify number of pins 04-72								
FIG. 3	Series 364...580 Single Row 2,16 Profile Pin Header								
	364-10-1 -00-580000 Specify number of pins 01-32								
FIG. 4	Series 464...580 Double Row 2,16 Profile Pin Header								
	464-10-2 -00-580000 Specify number of pins 04-72								
<div style="text-align: center;"> RoHS-2 2011/65/EU XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264 </div>									
SPECIFY PLATING CODE XX= <table border="1" style="width: 100%; text-align: center;"> <tr> <td>10 </td> <td>90</td> <td>40 </td> <td></td> </tr> <tr> <td>Pin Plating </td> <td>0,25µm Au</td> <td>5,08µm Sn/Pb</td> <td>5,08µm Sn</td> </tr> </table>		10	90	40		Pin Plating	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn
10	90	40							
Pin Plating	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn						

INTERCONNECTS

SERIES 351 • 2,54 GRID INTERCONNECT HEADERS • SINGLE ROW STRIPS

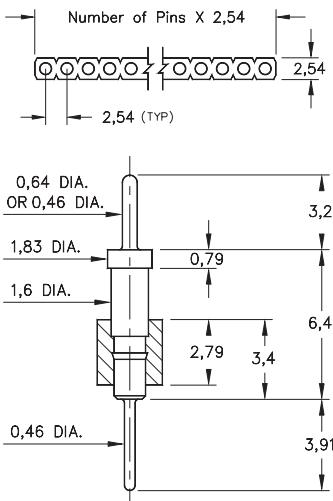


FIG. 1

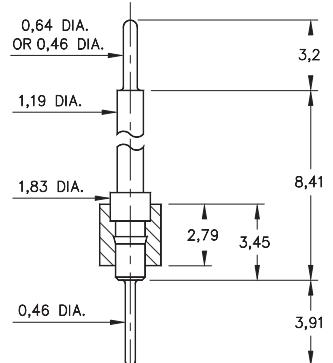


FIG. 2

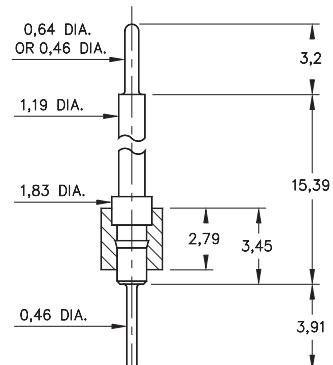


FIG. 3

- Series 351 interconnect header strips come in three lengths with 0,46 dia. pluggable solder tails at one end and 0,64 dia. pins at the other. Please see series:

351...003 uses pin #5503

351...004 uses pin #5504

351...005 uses pin #5505

- 0,46 pluggable solder tails are available at both ends. Please see series:

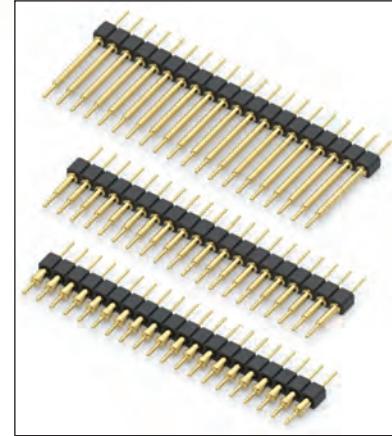
351...009 uses pin #5509

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

	Series 351...003	0,46 / 0,64 Dia. Solder Tails
	351-10-1	-00-003000
FIG. 1	Specify number of pins	01-64
	351-10-1	-00-009000
FIG. 2	Specify number of pins	01-64
	351-10-1	-00-004000
FIG. 3	Specify number of pins	01-64
	351-10-1	-00-010000
	Series 351...005	0,46 / 0,64 Dia. Solder Tails
	351-10-1	-00-005000
	Specify number of pins	01-64
	351-10-1	-00-011000
	Specify number of pins	01-64
	XX=Plating Code See Below	
SPECIFY PLATING CODE XX= 10		
Pin Plating 0,25µm Au		



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INTERCONNECTS

SERIES 451 • 2,54 GRID INTERCONNECT HEADERS • DOUBLE ROW STRIPS

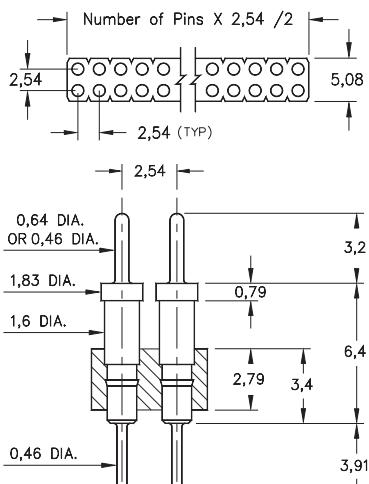


FIG. 1

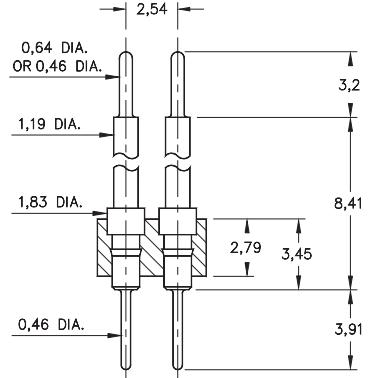


FIG. 2

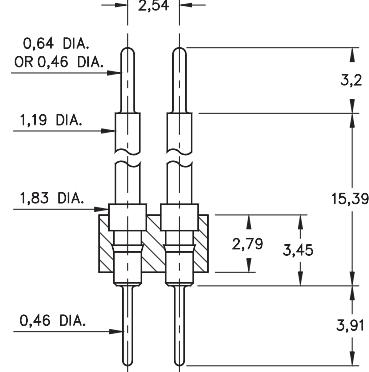


FIG. 3

- Series 451 interconnect header strips come in three lengths with 0,46 dia. pluggable solder tails at one end and 0,64 dia. pins at the other. Please see series:

451...003 uses pin #5503
451...004 uses pin #5504
451...005 uses pin #5505

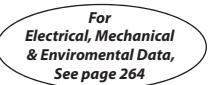
- 0,46 pluggable solder tails are available at both ends. Please see series:

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	0,46 / 0,64 Dia. Solder Tails
	451-10-2	-00-003000
	Specify number of pins	04-64
FIG. 2	Series 451...009	0,46 / 0,46 Dia. Solder Tails
	451-10-2	-00-009000
	Specify number of pins	04-64
FIG. 3	Series 451...004	0,46 / 0,64 Dia. Solder Tails
	451-10-2	-00-004000
	Specify number of pins	04-64
	Series 451...010	0,46 / 0,46 Dia. Solder Tails
	451-10-2	-00-010000
	Specify number of pins	04-64
	Series 451...005	0,46 / 0,64 Dia. Solder Tails
	451-10-2	-00-005000
	Specify number of pins	04-64
	Series 451...011	0,46 / 0,46 Dia. Solder Tails
	451-10-2	-00-011000
	Specify number of pins	04-64
		XX=Plating Code See Below
SPECIFY PLATING CODE XX=		10 
Pin Plating 		0,25µm Au
		For Electrical, Mechanical & Environmental Data, See page 264

INTERCONNECTS

SERIES 334 • 2,54 GRID INTERCONNECT HEADERS • SINGLE ROW STRIPS

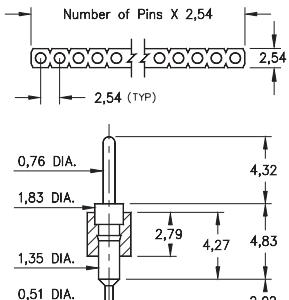


FIG. 1

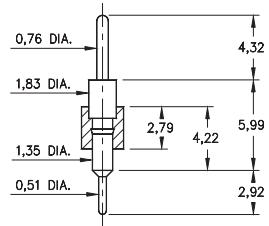


FIG. 2

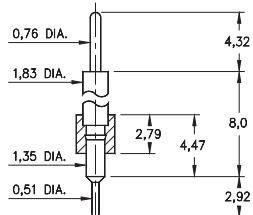


FIG. 3

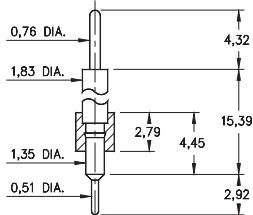


FIG. 4

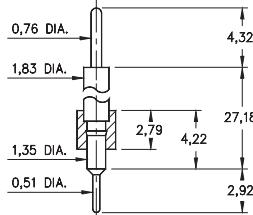


FIG. 5

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

334...020 uses pin #3402 (L = 4,83)

334...010 uses pin #3401 (L = 5,99)

334...050 uses pin #3405 (L = 8,0)

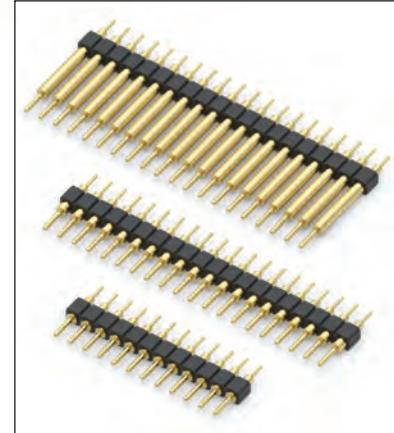
334...000 uses pin #3400 (L = 15,39)

334...100 uses pin #3410 (L = 27,18)

See page 215 for details

- Strips come with 0,51 pluggable soldertails at one end and 0,76 tails at the other

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



ORDERING INFORMATION

FIG. 1	Series 334...020	0,51 / 0,76 Dia. Solder Tails
	334-XX-1	-00-020000
FIG. 2	Specify number of pins	01-64
	Series 334...010	0,51 / 0,76 Dia. Solder Tails
FIG. 3	334-XX-1	-00-010000
	Specify number of pins	01-64
FIG. 4	Series 334...050	0,51 / 0,76 Dia. Solder Tails
	334-XX-1	-00-050000
FIG. 5	Specify number of pins	01-64
	Series 334...000	0,51 / 0,76 Dia. Solder Tails
	334-XX-1	-00-000000
	Specify number of pins	01-64
	Series 334...100	0,51 / 0,76 Dia. Solder Tails
	334-XX-1	-00-100000
	Specify number of pins	01-64
SPECIFY PLATING CODE XX=		
Pin Plating		0,25µm Au 5,08µm Sn/Pb 5,08µm Sn

INTERCONNECTS

SERIES 342 • 2,54 GRID BOARD STACKING HEADERS • SINGLE ROW STRIPS

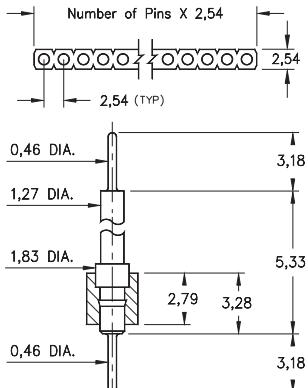


FIG. 1

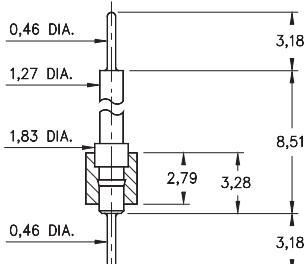


FIG. 2

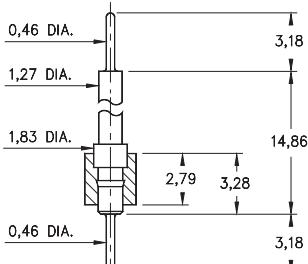


FIG. 3

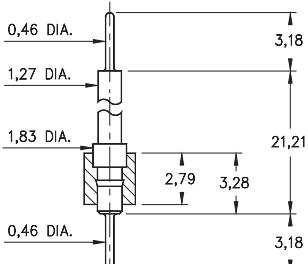


FIG. 4

- Series 342 interconnect header strips come in four heights with 0,46 dia. pluggable solder tails at both ends

342...591 uses pin #4259-1 (L = 5,33)

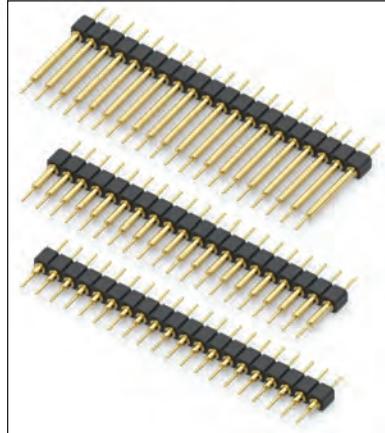
342...592 uses pin #4259-2 (L = 8,51)

342...593 uses pin #4259-3 (L = 14,86)

342...594 uses pin #4259-4 (L = 21,21)

See page 212 for details

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



ORDERING INFORMATION

FIG. 1	Series 342...591 0,46 / 0,46 Dia. Solder Tails	
	342-XX-1	-00-591000
FIG. 2	Specify number of pins	
	342-XX-1	-00-592000
FIG. 3	Specify number of pins	
	342-XX-1	-00-593000
FIG. 4	Specify number of pins	
	342-XX-1	-00-594000

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2011/65/EU
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See Below
For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=		10 ◆	90	40 ◆	
Pin Plating		0,25µm Au	5,08µm Sn/Pb	5,08µm Sn	



INTERCONNECTS

SERIES 442 • 2,54 GRID BOARD STACKING HEADERS • DOUBLE ROW STRIPS

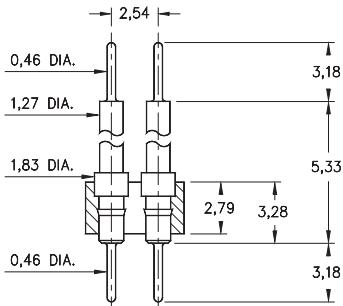


FIG. 1

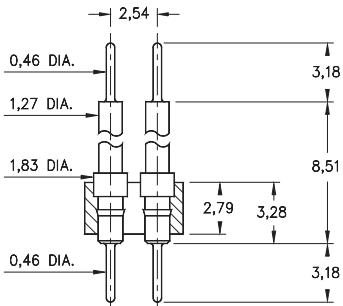


FIG. 2

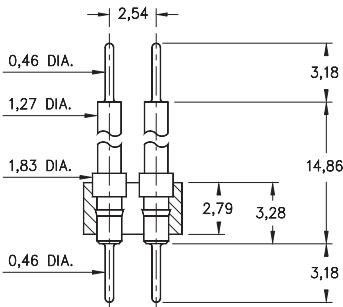


FIG. 3

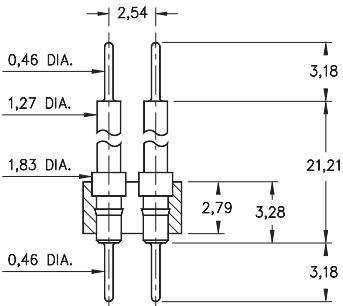


FIG. 4

- Series 442 interconnect header strips come in four heights with 0,46 dia. pluggable solder tails at both ends

442...591 uses pin #4259-1 (L = 5,33)

442...592 uses pin #4259-2 (L = 8,51)

442...593 uses pin #4259-3 (L = 14,86)

442...594 uses pin #4259-4 (L = 21,21)

See page 212 for details

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



ORDERING INFORMATION

FIG. 1	Series 442...591	0,46 / 0,46 Dia. Solder Tails								
	442-XX-2	-00-591000								
FIG. 2	Specify number of pins	04-64								
	442-XX-2	-00-592000								
FIG. 3	Specify number of pins	04-64								
	442-XX-2	-00-593000								
FIG. 4	Specify number of pins	04-64								
	442-XX-2	-00-594000								
Specify plating code XX=										
Pin Plating										
XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264										
SPECIFY PLATING CODE XX= <table border="1"> <tr> <td>10 </td> <td>90</td> <td>40 </td> <td></td> </tr> <tr> <td>0,25µm Au</td> <td>5,08µm Sn/Pb</td> <td>5,08µm Sn</td> <td></td> </tr> </table>			10	90	40		0,25µm Au	5,08µm Sn/Pb	5,08µm Sn	
10	90	40								
0,25µm Au	5,08µm Sn/Pb	5,08µm Sn								



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INTERCONNECTS

SERIES 350, 360, 370, 380 • 2,54 GRID SOLDER TAIL • SINGLE ROW STRIPS

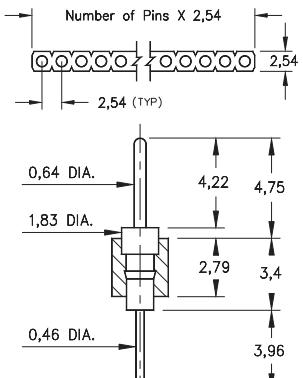


FIG. 1

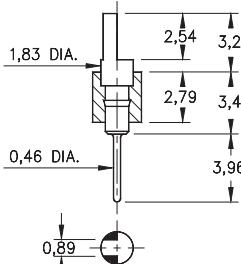


FIG. 2

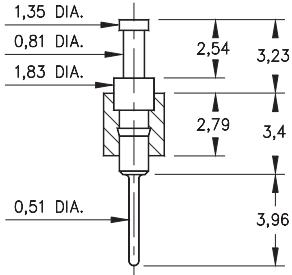


FIG. 3

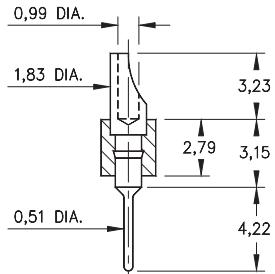


FIG. 4

- 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

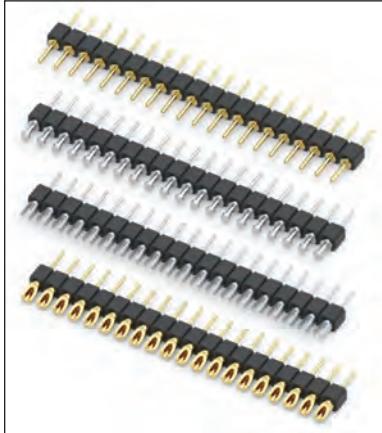
360...001 uses pin #0282

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

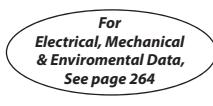
FIG. 1	Series 350...001	0,64 / 0,46 Dia. Solder Tails		
	350-XX-1_ _ -00-001000 Specify number of pins	01-64		
FIG. 2	Series 360...001	Slotted Head / Solder Tail		
	360-XX-1_ _ -00-001000 Specify number of pins	01-64		
FIG. 3	Series 370...001	Turret / Solder Tail		
	370-XX-1_ _ -00-001000 Specify number of pins	01-64		
FIG. 4	Series 380...001	Solder Cup / Solder Tail		
	380-XX-1_ _ -00-001000 Specify number of pins	01-64		
 XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=	10 	90	40 	
Pin Plating 	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn	



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 	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn	

INTERCONNECTS

SERIES 450, 460, 470, 480 • 2,54 GRID SOLDER TAIL • DOUBLE ROW STRIPS

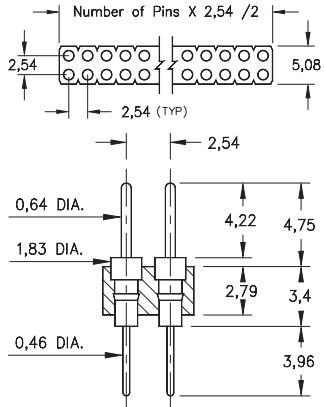


FIG. 1

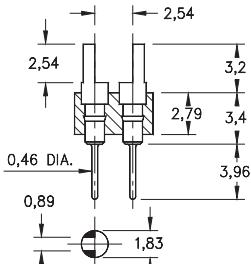


FIG. 2

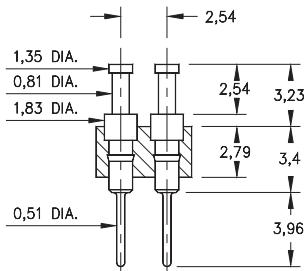


FIG. 3

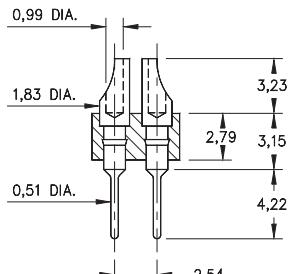


FIG. 4

- 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

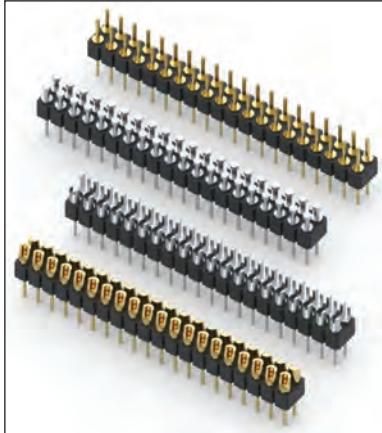
460...001 uses pin #0282

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

0,64 / 0,46 Dia. Solder Tails

450-XX-2_-00-001000

Specify number of pins

04-64

FIG. 2

Series 460...001

Slotted Head / Solder Tail

460-10-2_-00-001000

Specify number of pins

02-64

FIG. 3

Series 470...001

Turret / Solder Tail

470-XX-2_-00-001000

Specify number of pins

04-64

FIG. 4

Series 480...001

Solder Cup / Solder Tail

480-10-2_-00-001000

Specify number of pins

02-64



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=

Pin Plating

10



90



40



INTERCONNECTS

SERIES 353, 362, 363, 373, 382, 383 • 2,54 GRID WRAPOST • SINGLE ROW STRIPS

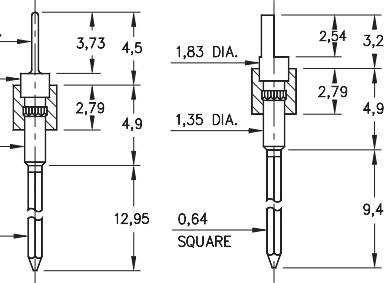
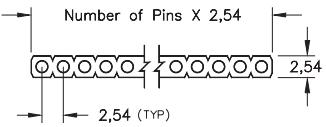


FIG. 1

FIG. 2

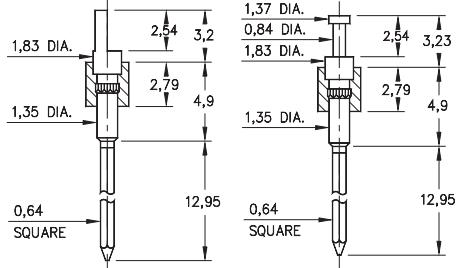


FIG. 3

FIG. 4

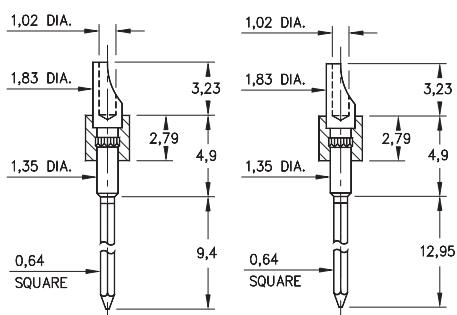


FIG. 5

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
FIG. 2	Specify number of pins 01-64	
	362-XX-1	-00-001000
FIG. 3	Specify number of pins 01-64	
	363-XX-1	-00-001000
FIG. 4	Specify number of pins 01-64	
	373-XX-1	-00-001000
FIG. 5	Specify number of pins 01-64	
	382-XX-1	-00-001000
FIG. 6	Specify number of pins 01-64	
	383-XX-1	-00-001000
RoHS-2 2011/65/EU		XX=Plating Code See Below
SPECIFY PLATING CODE XX=		10 90 40
Pin Plating		0,25µm Au 5,08µm Sn/Pb 5,08µm Sn
For Electrical, Mechanical & Environmental Data, See page 264		

INTERCONNECTS

**SERIES 453, 463, 473, 483 • 2,54 GRID WRAPST •
DOUBLE ROW STRIPS**

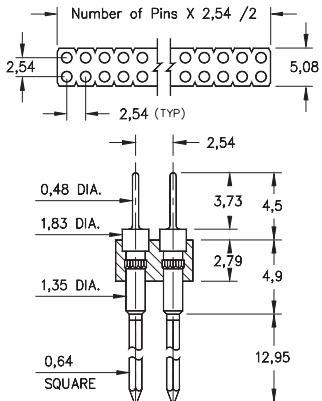


FIG. 1

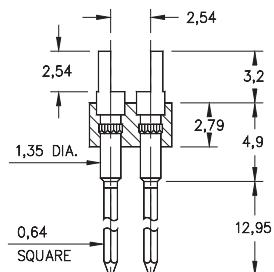


FIG. 2

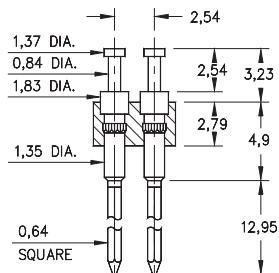


FIG. 3

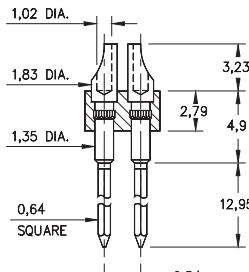


FIG. 4

- 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		
 XX=Plating Code See Below For Electrical, Mechanical & Environmental Data, See page 264				
SPECIFY PLATING CODE XX=	10 	90	40 	
Pin Plating 	0,25µm Au	5,08µm Sn/Pb	5,08µm Sn	



INTERCONNECTS

SERIES 302, 330, 370, 380 DISCRETE INSULATED PINS

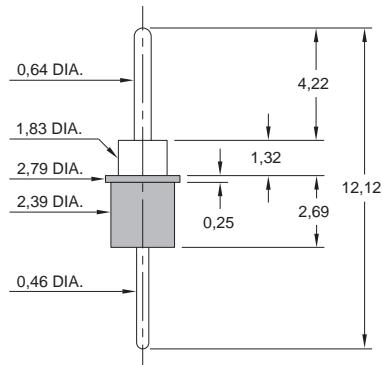


FIG. 1

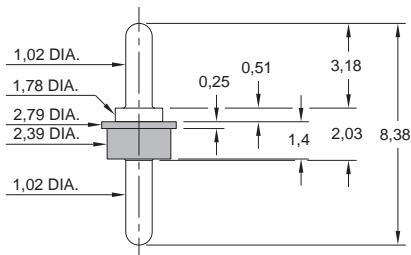


FIG. 2

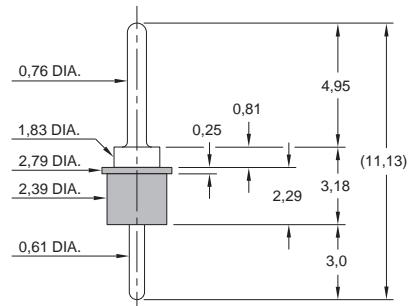


FIG. 3

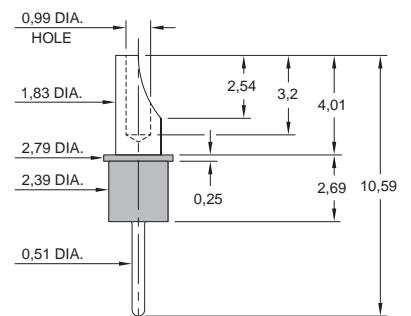
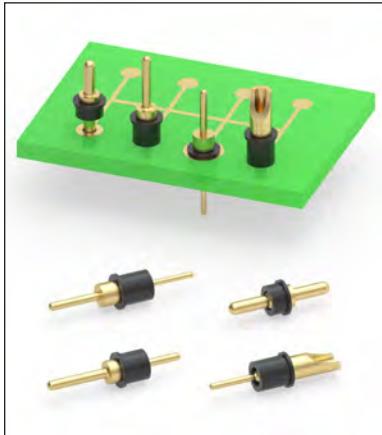


FIG. 4

- 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: $\pm 0,76$

Packaging: Bulk



SPECIFY PLATING CODE XX=

10				
Pin Plating	0,25μm Au			

INTERCONNECTS

SERIES 305, 310 DISCRETE INSULATED RECEPTACLES

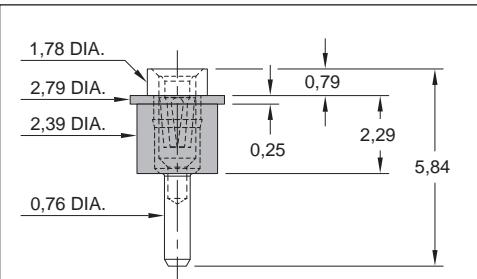


FIG. 1

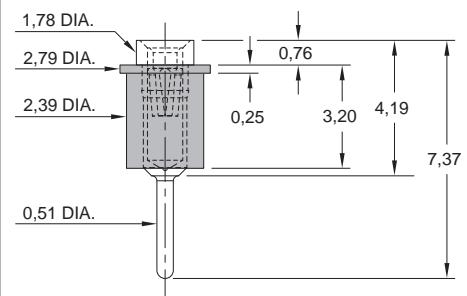


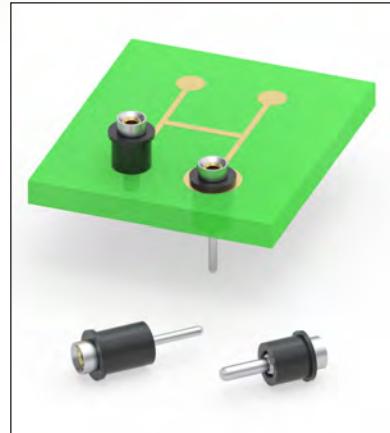
FIG. 2

- 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

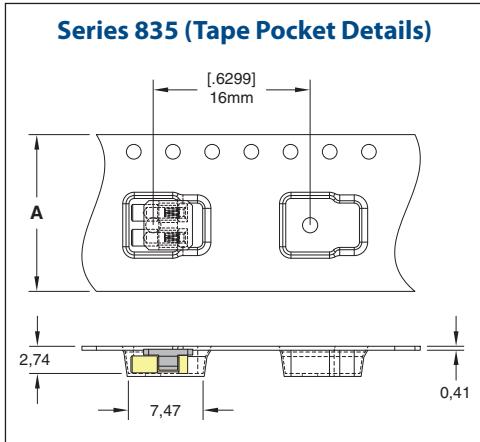
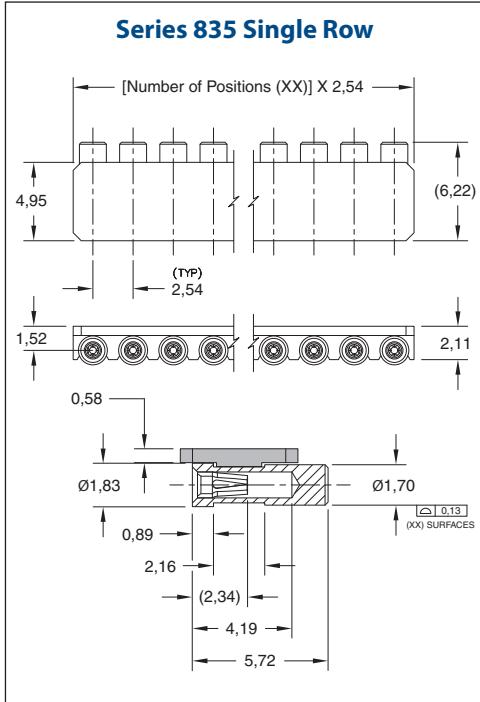
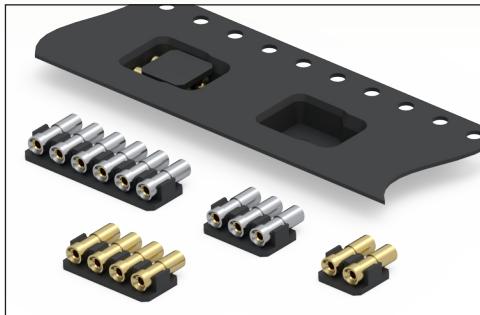


ORDERING INFORMATION

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: $\pm 0,76$ Packaging: Bulk						
SPECIFY PLATING CODE XX=						
Sleeve (Pin)		5,08μm Sn				
Contact (Clip)		0,76μm Au				

INTERCONNECTS

SERIES 835 • 2,54 GRID HORIZONTAL SURFACE MOUNT SOCKET WITH REMOVEABLE INSULATOR• SINGLE ROW STRIPS



- Horizontal surface mount sockets with removable 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

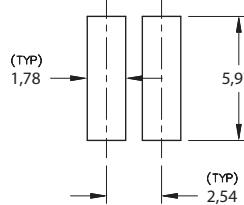
ORDERING INFORMATION

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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

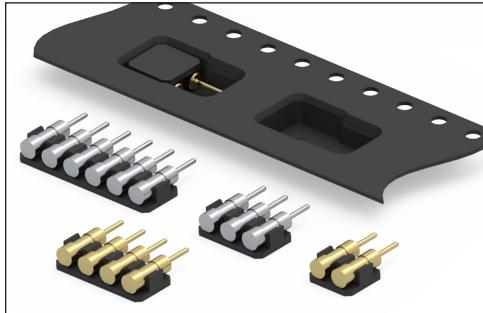
SPECIFY PLATING CODE XX=	13				43		
Sleeve (Pin)		0,25µm Au			5,08µm Sn		
Contact (Clip)		0,76µm Au			0,76µm Au		



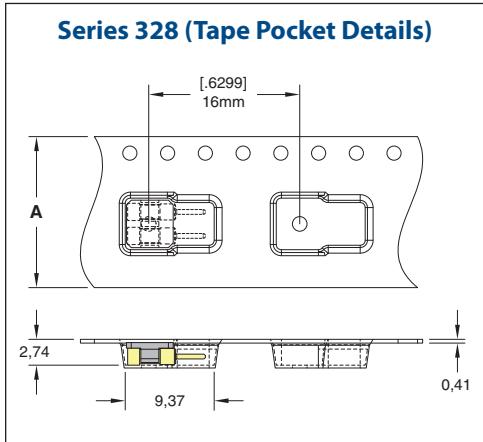
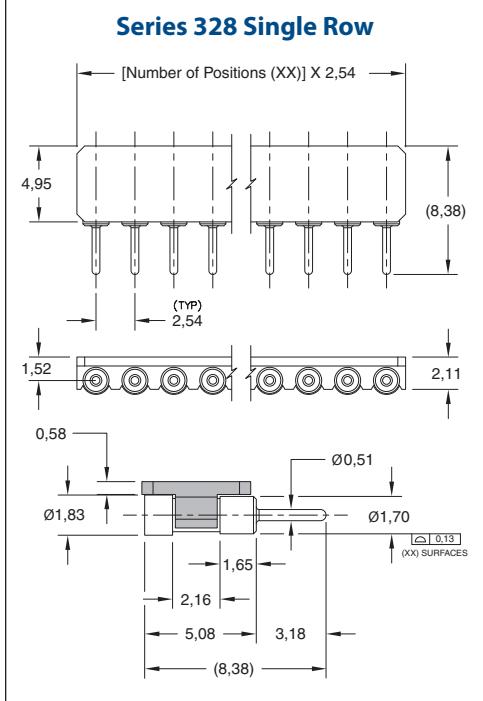
Mill-Max Mfg. Corp. • 190 Pine Hollow Road, P.O. Box 300, Oyster Bay, NY 11771 • 516-922-6000 • Fax: 516-922-9253 • www.mill-max.com

INTERCONNECTS

SERIES 328 • 2,54 GRID HORIZONTAL SURFACE MOUNT HEADER WITH REMOVEABLE INSULATOR• SINGLE ROW STRIPS



- Horizontal surface mount headers with removable 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



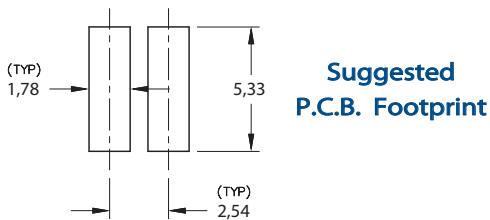
ORDERING INFORMATION

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



XX=Plating Code
See Below

For
Electrical, Mechanical
& Environmental Data,
See page 264

SPECIFY PLATING CODE XX=	10	40
Pin Plating	0.25µm Au	5.08µm Sn



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