

# SHORTFORM CONNECTOR

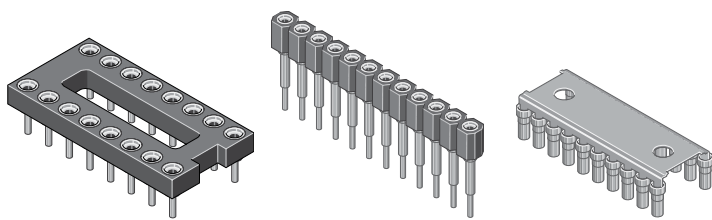




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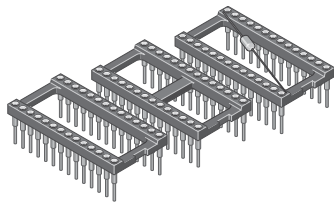
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- Featuring a wide variety of contacts and layouts

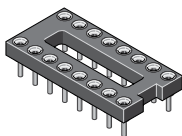


Part	Description	Pitch
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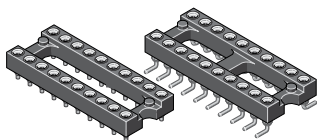
Precision IC-Sockets 2,54 mm	<div>001 Series</div> <p>IC-sockets with machined contacts in all common pin counts and row spacings.</p> <ul style="list-style-type: none"><li>Available with decoupling capacitor.</li></ul>	2,54
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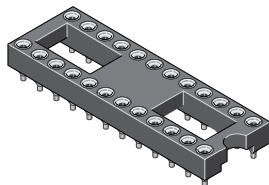
Ultra Low Profile IC-Sockets 2,54 mm	<div>004 Series</div> <p>Ultra low profile sockets with machined contacts. A special contact design allows a height of 2,50 mm above PCB only.</p>	2,54
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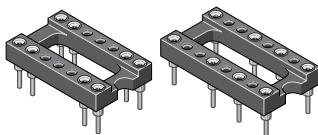
Precision IC-Sockets as SMD 2,54 mm	<div>015 Series</div> <p>Surface mount sockets with machined contacts designed for use with any reflow soldering process.</p> <ul style="list-style-type: none"><li>Available with gull wing or floating contact termination.</li></ul>	2,54
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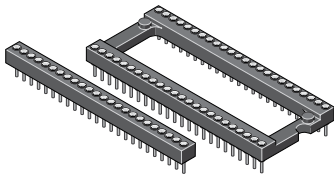
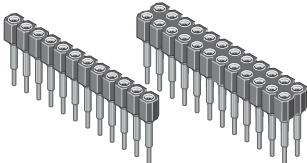
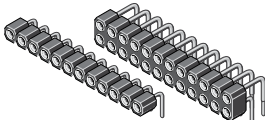

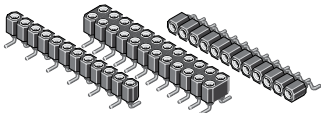
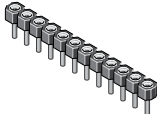
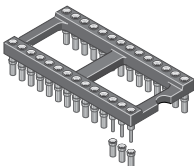


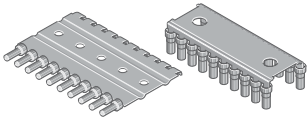
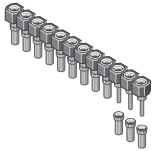
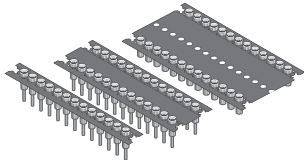
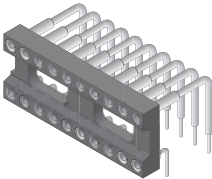
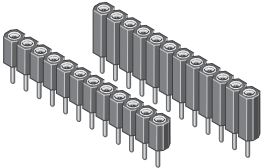
Precision IC-Sockets 2,54 mm	<div>017 Series</div> <p>Surface mount sockets with machined, floating contacts and integrated pick and place feature.</p> <ul style="list-style-type: none"><li>Available in tube or tape and reel packaging.</li></ul>	2,54
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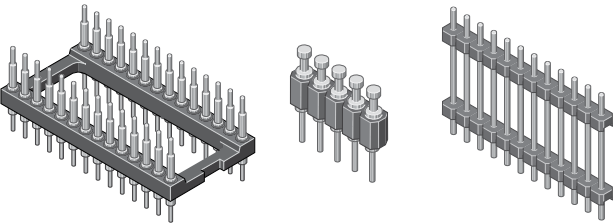
Precision sockets for Relays 2,54 mm	<div>023 Series</div> <p>Sockets with machined contacts for industrial standard PCB power relays. Various pin layouts are available upon request.</p>	2,54
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Part	Description	Pitch
Shrink DIP Sockets and Socket Strips 1,778 mm	<b>012 Series</b> Sockets and socket strips with machined contacts and 1,778 mm spacing (shrink dip).	■ 1,778
		
Precision Socket Strips 2,54 mm	<b>006 Series</b> Socket strips with machined contacts.  • Available in many contact options including various spacer and wire wrap versions.	■ 2,54
		
Precision Socket Strips Right Angled 2,54 mm	<b>009 Series</b> Right angled socket strips with a height of 2,54 / 5,08 mm above board.	■ 2,54
		
Precision Socket Strips SMD 2,54 mm 	<b>019 Series</b> Socket strips, SMD mount with gull-wing termination for maximum mechanical strength and easy testing.  • Available in tape and reel packaging on request.	■ 2,54
		
Precision Socket Strips Ultra Low Profile 2,54 mm	<b>008 Series</b> Ultra low profile socket strips with a height of 2,50 mm above board only.	■ 2,54
		
Precision Contacts on Plastic Carrier 2,54 mm	<b>076 Series</b> DIL-Carrier sockets with removable plastic carriers for ultra low profile socket solutions.	■ 2,54
		

Part	Description	Pitch
Precision Contacts on Brass Carrier 2,54 mm	<b>074 Series</b> Carrier sockets with removable brass carriers for ultra low profile socket solutions.	■ 2,54
		
Precision Contacts on Plastic Carrier 2,54 mm	<b>077 Series</b> SIL-Carrier sockets with removable plastic carriers for ultra low profile socket solutions.	■ 2,54
		
Precision Contacts on Carrier Tape 2,54 mm	<b>080 Series</b> Peel-away-carrier sockets on flexible plastic foil. This product allows an easy realisation of any customer-specific layout.	■ 2,54
		
Precision Display Sockets 2,54 mm	<b>218 Series</b> Dual row horizontal sockets, ideal for display modules.	■ 2,54
		
Precision Display Socket Strips 2,54 mm	<b>220 Series</b> Single row socket strips with a height of 4,20 or 7,00 mm above board. Ideal for use with display modules.	■ 2,54
		

- Many different pin lengths in single and double row layouts

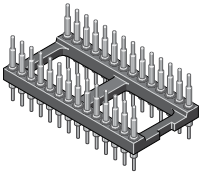


Part	Description	Pitch
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Pin Adapters DIL, Turned Contacts 2,54 mm

**033 Series**  
Pin adapters, mating with standard IC-sockets.  
  
• Available with many different contact options.

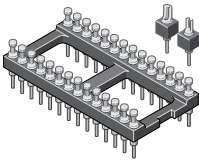
2,54



Pin Adapters DIL, Turned Contacts with Soldering Terminals 2,54 mm

**044 Series**  
Pin adapters with soldering terminals for wiring applications.

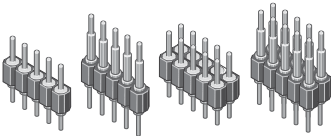
2,54



Pin Headers Turned Contacts 2,54 mm

**034 Series**  
Pin headers available with many different contact options.

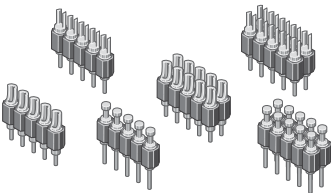
2,54



Pin Headers Turned Contacts with Soldering Terminals 2,54 mm

**045 Series**  
Pin headers with soldering terminals for wiring applications.

2,54

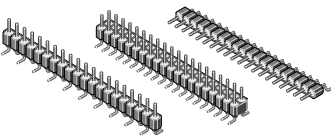


Pin Headers SMD with Turned Contacts 2,54 mm



**038 Series**  
SMD pin headers with gull-wing termination.

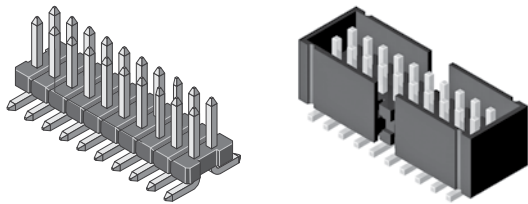
2,54



Part	Description	Pitch
Ultra Low Profile Pin Headers 2,54 mm	<div>035 Series</div> <div>Pin headers with precision turned contacts and a height of 2,1 mm above board only.</div>	<div>2,54</div>
Pin Headers 2,54 mm	<div>037 Series</div> <div>Pin headers with 0,50 mm round pins.</div>	<div>2,54</div>
Pin Headers Sandwich 2,54 mm	<div>367 Series</div> <div>Sandwich pin headers with 0,50 mm round pins.</div>	<div>2,54</div>



- Pin headers for board to board and wire to board connections from 0,50 mm up to 7,50 mm pitch



Part		Description	Pitch
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High Density Connectors 0,50 mm

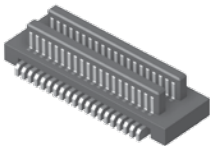


**216 Series**

High density board to board connectors 0,50 mm pitch.

- Different mating heights available.
- Mates with series 217.

**0,50**



High Density Connectors 0,80 mm

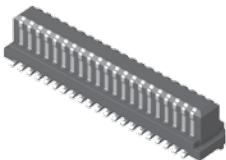


**581 Series**

High density board to board connectors 0,80 mm pitch.

- Different mating heights available.
- Mates with series 582.

**0,80**

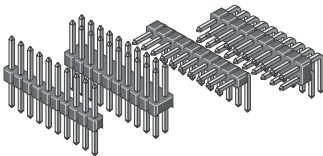


Pin Headers 1,00 mm

**351 Series**

Straight and right angled pin headers 1,00 mm pitch and 0,30 mm square pins.

**1,00**



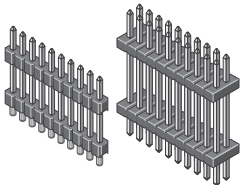
Pin Headers Sandwich 1,00 mm

**359 Series**

Sandwich pin headers 1,00 mm pitch and 0,30 mm square pins.

- Different pin lengths and plating options available.

**1,00**



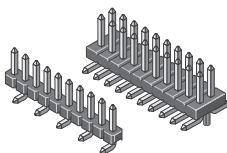
Pin Headers SMD 1,00 mm


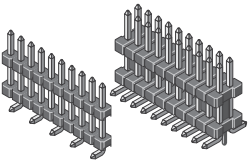
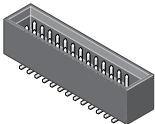
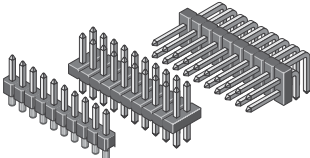
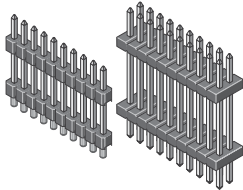

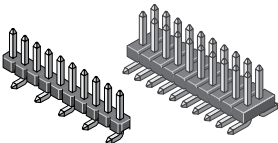
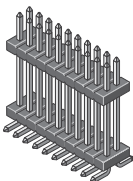


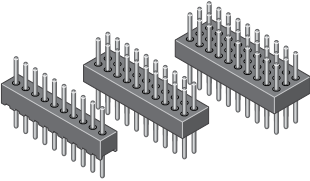
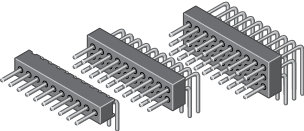
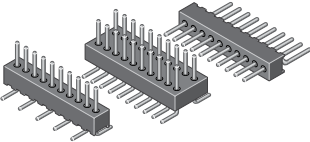
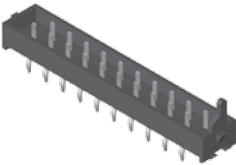
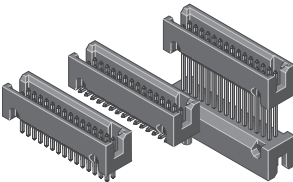
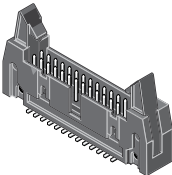
**353 Series**

Straight pin headers 1,00 mm pitch for SMD mount. Gull wing contacts provide maximum mechanical strength and easy testing. Pick and place cap available on request.



**1,00**



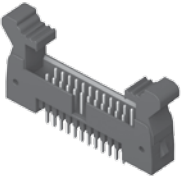
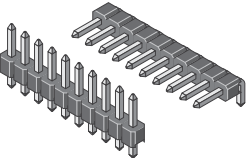
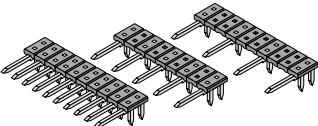
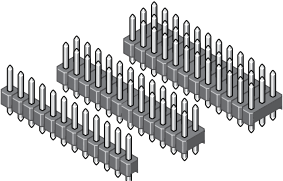


Part		Description	Pitch
Pin Headers SMD, Sandwich 1,00 mm		<b>355 Series</b> Sandwich pin headers 1,00 mm pitch for SMD mount. <ul style="list-style-type: none"> <li>• Different pin lengths and insulator options as well as location pegs available.</li> </ul>	■ 1,00
			
Pin Headers Shrouded 1,00 mm		<b>354 Series</b> Shrouded pin headers 1,00 mm pitch for SMD mount. Location pegs as well as pick and place cap available as an option.	■ 1,00
			
Pin Headers 1,27 mm		<b>176 Series</b> Straight and right angled pin headers 1,27 mm pitch and 0,40 mm square pins. Low profile insulator with a height of 1,00 mm only. <ul style="list-style-type: none"> <li>• Different pin lengths and plating options available.</li> </ul>	■ 1,27
			
Pin Headers Sandwich 1,27 mm		<b>177 Series</b> Sandwich pin headers 1,27 mm pitch and 0,40 mm square pins. <ul style="list-style-type: none"> <li>• Different pin lengths, insulator positions and plating options available. Customized connectors possible.</li> </ul>	■ 1,27
			
Pin Headers SMD 1,27 mm		<b>178 Series</b> Straight pin headers 1,27 mm pitch and 0,40 mm square pins for SMD mount. <ul style="list-style-type: none"> <li>• Pick and place cap available upon request. Customized connectors possible.</li> </ul>	■ 1,27
			
Pin Headers SMD, Sandwich 1,27 mm		<b>179 Series</b> Sandwich pin headers 1,27 mm pitch and 0,40 mm square pins for SMD mount. <ul style="list-style-type: none"> <li>• Many different pin lengths as well as location pegs available. Customized connectors possible.</li> </ul>	■ 1,27
			

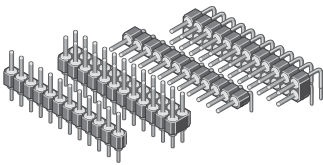
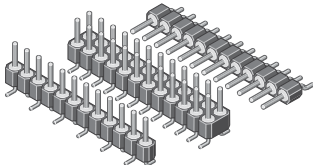
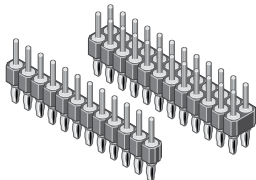
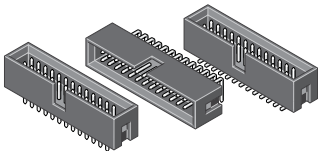
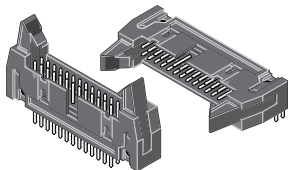
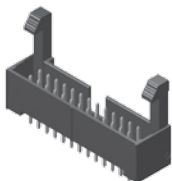
Part	Description	Pitch
Pin Headers with Turned Contacts 1,27 mm	<div>188 Series</div> <div>Straight pin headers 1,27 mm pitch and 0,41 mm round pins.</div>	<div>1,27</div>
		
Pin Headers with Turned Contacts 1,27 mm	<div>192 Series</div> <div>Right angled pin headers 1,27 mm pitch and 0,41 mm round pins.</div>	<div>1,27</div>
		
Pin Headers SMD with Turned Contacts 1,27 mm	<div>196 Series</div> <div>Straight and right angled pin headers 1,27 mm pitch and 0,41 mm round pins for SMD mount.</div> <div>• These parts are available on tape and reel as an option.</div>	<div>1,27</div>
		
Micro Match 1,27 mm Wire to Board Pin Headers	<div>373 Series</div> <div>Pin headers for wire to board applications to be used with 1,27 mm flat ribbon cable. Compatible with industries standard.</div>	<div>1,27</div>
		
Pin Headers Shrouded 1,27 mm	<div>180 Series</div> <div>Shrouded pin headers 1,27 mm pitch and polarizing feature for through hole or SMD mounting.</div>	<div>1,27</div>
		
Pin Headers SMD, Shrouded with Eject Levers 1,27 mm	<div>363 Series</div> <div>Straight and right angled shrouded pin headers 1,27 mm pitch and active locking feature, SMD or through hole mount.</div>	<div>1,27</div>
		

Part	Description	Pitch
Pin Headers Shrouded 1,27 mm	<div>714 Series</div> <div>Straight shrouded pin headers, SMD mount in vertical or horizontal position.</div> <div>• Compatible with industries standard.</div>	1,27
Pin Headers Extended 1,27 mm	<div>183 Series</div> <div>Straight pin headers 1,27 mm pitch and polarizing feature for SMD mount. Available in many different heights.</div>	1,27
Pin Headers SMD, Shrouded 1,27 mm	<div>361 Series</div> <div>Straight shrouded pin headers 1,27 mm pitch for SMD mount.</div>	1,27
Pin Headers SMD 1,27 mm	<div>307 Series</div> <div>Right angled SMD pin headers 1,27 mm pitch.</div> <div>• These parts are featuring an optimized contact shape for all reflow soldering processes.</div> <div>• For versions with location pegs, please contact our sales desk for availabilitiy.</div>	1,27
Pin Headers 1,27 mm	<div>659 Series</div> <div>Straight pin headers 1,27 mm pitch and 0,46 mm square pins. Different pin lengths and plating options available.</div>	1,27
Pin Headers 2,00 mm	<div>150 Series</div> <div>Straight pin headers 2,00 mm pitch and 0,50 mm square pins. Many different pin lengths and plating options available. Standard and low profile insulators available.</div>	2,00


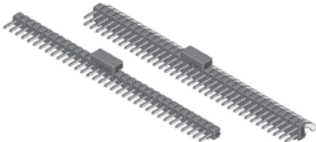
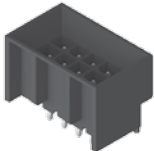
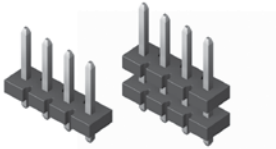

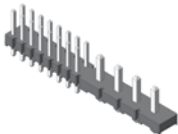
Part		Description	Pitch
Pin Headers SMD 2,00 mm		<b>152 Series</b> Straight pin headers 2,00 mm pitch and 0,50 mm square pins for SMD mount. Gull wing contacts provide maximum mechanical strength and easy testing.  • Customized connectors possible.	<b>2,00</b>
Pin Headers Sandwich 2,00 mm		<b>151 Series</b> Sandwich pin headers 2,00 mm pitch and 0,50 mm square pins.  • Many different pin lengths and plating options available. Customized connectors possible.	<b>2,00</b>
Pin Headers SMD, Sandwich 2,00 mm		<b>337 Series</b> Sandwich pin headers 2,00 mm pitch and 0,50 mm square pins for SMD mount. Gull wing contacts provide maximum mechanical strength and easy testing.  • Many different pin lengths options available. Customized connectors possible.	<b>2,00</b>
Pin Headers Right Angled 2,00 mm		<b>332 Series</b> Right angled pin headers 2,00 mm pitch and 0,50 mm square pins.  • Many different pin lengths and plating options available. Customized connectors possible.	<b>2,00</b>
Pin Headers SMD, Right Angled 2,00 mm		<b>333 Series</b> Right angled pin headers 2,00 mm pitch and 0,50 mm square pins for SMD or mixed termination.	<b>2,00</b>
Pin Headers with Turned Contacts 2,00 mm		<b>161 Series</b> Straight and right angled pin headers 2,00 mm pitch and 0,47 mm round pins.	<b>2,00</b>

Part	Description	Pitch
Pin Headers SMD with Turned Contacts 2,00 mm 	<b>169 Series</b> Straight and right angled pin headers 2,00 mm pitch and 0,47 mm round pins for SMD mount. Gull wing contacts provide maximum mechanical strength and easy testing.  • These parts are available on tape and reel as an option.	<b>2,00</b>
Pin Headers SMD, Shrouded 2,00 mm 	<b>155 Series</b> Straight and right angled shrouded pin headers 2,00 mm pitch. Low profile with a height of 5,60 mm only.	<b>2,00</b>
Pin Headers Shrouded with Eject Levers 2,00 mm 	<b>588 Series</b> Ejector headers 2,00 mm pitch for through hole and SMD termination.	<b>2,00</b>
Pin Headers 2,50 mm 	<b>347 Series</b> Straight and right angled pin headers 2,50 mm pitch and 0,64 mm square pins.  • Many different pin lengths and plating options available.	<b>2,50</b>
Pin Headers Right Angled 2,50 / 5,00 or 7,50 mm 	<b>390 Series</b> Extremely low profile right angled pin headers with F-Type contact, featuring 2,50, 5,00 and 7,50 mm pitch and total height of 1,80 mm only.	<b>2,50</b> <b>5,00</b> <b>7,50</b>
Pin Headers 2,54 mm 	<b>087 Series</b> Standard pin headers 2,54 mm pitch and 0,64 mm square pins.  • Different plating options and different insulators as standard. • Any pin length available on request. Customized connectors are possible for smaller quantities as well.	<b>2,54</b>

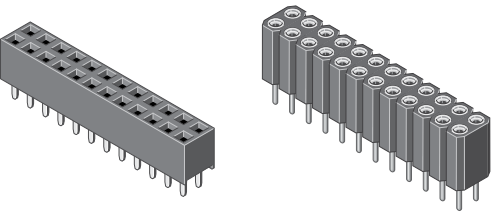
Part	Description	Pitch
Pin Headers Sandwich 2,54 mm	<div>089 Series</div> <div>Sandwich pin headers 2,54 mm pitch and 0,64 mm square pins.</div> <div><ul style="list-style-type: none"><li>• Many different pin lengths and plating options as standard.</li><li>• Special pin lengths are available on request.</li></ul>Customized connectors possible.</div>	2,54
Pin Headers SMD 2,54 mm	<div>090 Series</div> <div>Straight SMD pin headers 2,54 mm pitch and 0,64 mm square pins, with gull-wing terminations.</div> <div><ul style="list-style-type: none"><li>• Many different pin lengths and plating options as standard.</li></ul>Customized connectors possible.</div>	2,54
Pin Headers SMD, Sandwich 2,54 mm	<div>585 Series</div> <div>Straight SMD sandwich pin headers 2,54 mm pitch and 0,64 mm square pins, with gull-wing terminations.</div> <div><ul style="list-style-type: none"><li>• Many different pin lengths and plating options as standard.</li></ul>Customized connectors are possible.</div>	2,54
Pin Headers Right Angled 2,54 mm	<div>088 Series</div> <div>Right angled pin headers 2,54 mm pitch and 0,64 mm square pins. Any pin length available on request.</div> <div></div>	2,54
Pin Headers SMD, Right Angled 2,54 mm	<div>334 Series</div> <div>Right angled SMD pin headers 2,54 mm pitch and 0,64 mm square pins, with gull-wing terminations.</div> <div><ul style="list-style-type: none"><li>• Mixed contact arrangements available upon request.</li></ul>Customized connectors possible.</div>	2,54
Pin Headers for Press-fit Termination 2,54 mm	<div>368 Series</div> <div>Press-fit pin headers 2,54 mm pitch and 0,64 mm square pins. Ideal for PCBs of up to 2,00 mm thickness. The press-in force should not go over the insulator.</div> <div></div>	2,54

Part	Description	Pitch
Pin Headers with Turned Contacts 2,54 mm	<b>104 Series</b> Pin headers 2,54 mm pitch and round pins with a diameter of 0,76 mm. <ul style="list-style-type: none"> <li>• Insulator height of 3,20 mm over PCB.</li> </ul>	■ 2,54
		
Pin Headers SMD with Turned Contacts 2,54 mm	<b>108 Series</b> SMD pin headers 2,54 mm pitch and round pins with a diameter of 0,76 mm. <ul style="list-style-type: none"> <li>• Gull wing contacts providing maximum mechanical strength and easy testing.</li> </ul>	■ 2,54
		
Pin Headers Press-fit with Turned Contacts 2,54 mm	<b>130 Series</b> Press-fit pin headers 2,54 mm pitch and round pins with a diameter of 0,76 mm. Parts are suitable for PCB thickness from 1,50 to 2,50 mm.	■ 2,54
		
Pin Headers Shrouded 2,54 mm	<b>093 Series</b> Straight and right angled shrouded pin headers according to DIN 41651 / IEC60603-13 for through hole or SMD termination.	■ 2,54
		
Pin Headers Shrouded with Eject Levers 2,54 mm	<b>092 Series</b> Straight and right angled shrouded pin headers according to DIN 41651 / IEC60603-13 for through hole or SMD termination. <ul style="list-style-type: none"> <li>• Parts are available optional with pre-mounted locking feature in 2 heights.</li> </ul>	■ 2,54
		
Pin Headers Shrouded with rear mount Eject Levers 2,54 mm	<b>672 Series</b> Shrouded pin headers with pre-mounted locking feature in 2 optional heights mounted on the rear wall.	■ 2,54
		



Part		Description	Pitch
Pin Headers SMD, Right Angled 2,54 mm		<b>296 Series</b> Right angled SMD pin headers 2,54 mm pitch. These parts are featuring an optimized contact shape for all reflow soldering processes.  • For versions with positioning pegs, please contact our sales desk for availability.	<b>2,54</b>
			
Pin Headers 3,00 mm		<b>704 Series</b> Board to board connector featuring blind mating and polarizing.  • Mates with series 703	<b>3,00</b>
			
Pin Headers for Power Application 5,08 mm		<b>592 Series</b> Pin headers 5,08 mm pitch for power transmission up to 8,2 A.	<b>5,08</b>
			
Pin Headers Power and Signal 2,00/5,08 mm		<b>592 Series</b> Pin headers 2,00 / 5,08 mm pitch for signal and power transmission up to 8,2A.	<b>2,00 / 5,08</b>
			
Pin Headers Power and Signal 2,54/5,08 mm		<b>565 Series</b> Pin headers 2,54 / 5,08 mm pitch for signal and power transmission up to 8,2A.	<b>2,54 / 5,08</b>
			

- Female headers for board to board connections from 0,50 mm up to 7,50 mm pitch
- Stamped and formed or precision turned contacts



Part		Description	Pitch
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High Density Connectors 0,50 mm

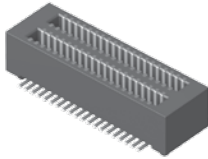


217 Series

High density board to board connectors 0,50 mm pitch.  
Different mating heights available.

- Mates with series 216.

0,50



High Density Connectors 0,80 mm

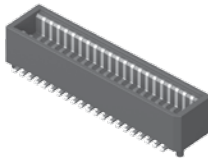


582 Series

High density board to board connectors 0,80 mm pitch.  
Different mating heights available.

- Mates with series 581.

0,80



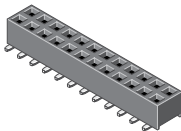
Female Headers SMD 1,00 mm



306 Series

Straight SMD female headers 1,00 mm pitch.  
Ultra low profile with a height above board of 2,20 mm only.

1,00

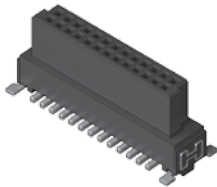


Female Headers 1,27 mm

715 Series

Straight and right angled female headers, SMD mount.  
Compatible with industries standard.

1,27

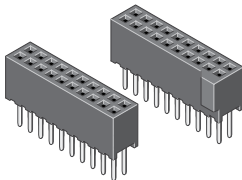


Female Headers 1,27 mm

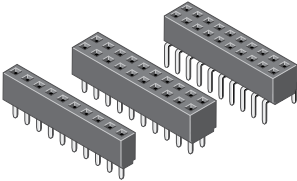
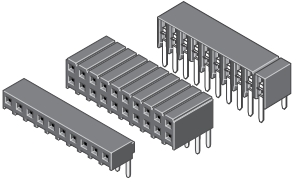
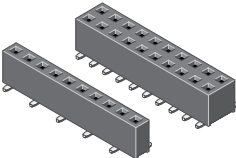

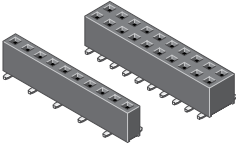

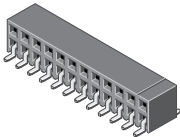

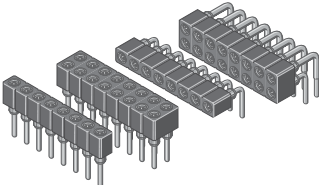
187 Series


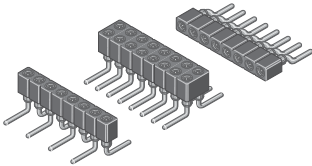
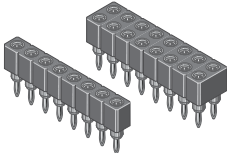
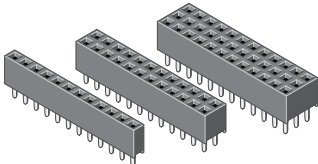
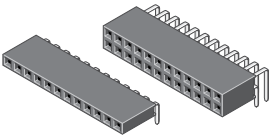
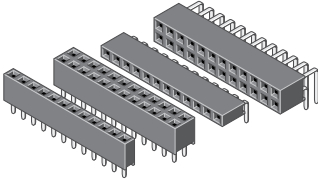
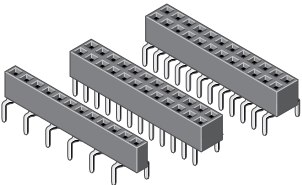
Straight female headers 1,27 mm pitch and polarizing option.  
Available as standard profile with a height above board of 4,30 mm  
or as low profile insulator with a height above board of 3,40 mm.

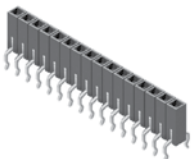
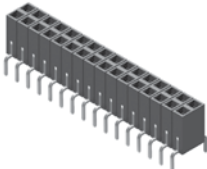
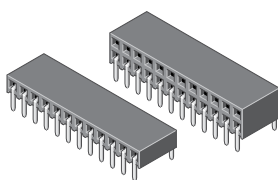
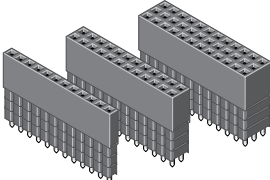

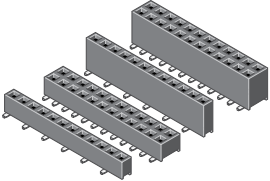

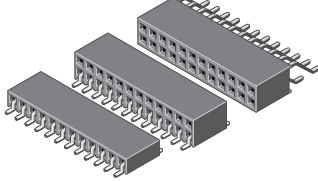
1,27

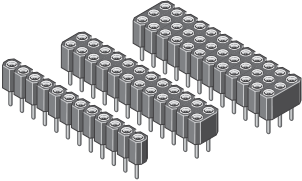
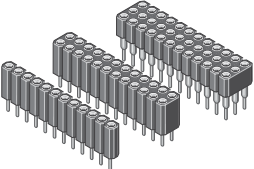
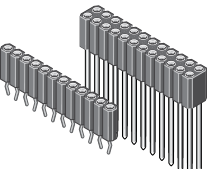
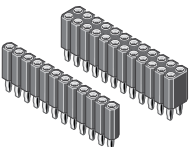
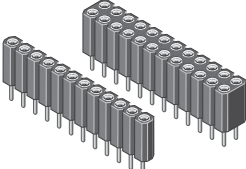
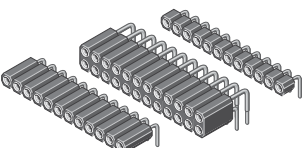


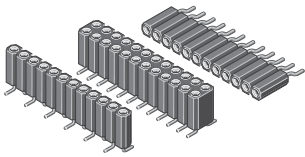
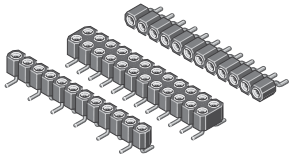

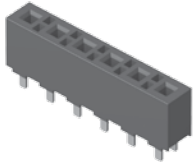
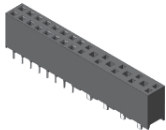
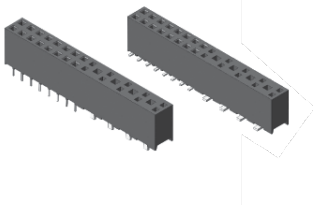
Part	Description	Pitch
Female Headers for 0,46 mm Square Pins 1,27 mm	<div>184 Series</div> <div>Female headers 1,27 mm pitch, mating with pin size 0,46 mm. Height above board is 4,60 mm.</div> <div>Mates with series 659.</div>	1,27
Female Headers 1,27 mm	<div>185 Series</div> <div>Straight SMD female headers 1,27 mm pitch.</div> <div>Many different heights and variations available. Customized connectors possible.</div>	1,27
Female Headers Right Angled 1,27 mm	<div>349 Series</div> <div>Female headers side entry 1,27 mm pitch. Available for through hole and SMD termination.</div>	1,27
Female Headers with Turned Contacts 1,27 mm	<div>200 Series</div> <div>Straight socket connectors 1,27 mm pitch and precision turned contacts.</div>	1,27
Female Headers with Turned Contacts 1,27 mm	<div>204 Series</div> <div>Right angled socket connectors 1,27 mm pitch and precision turned contacts.</div>	1,27
Female Headers SMD with Turned Contacts 1,27 mm	<div>208 Series</div> <div>Straight and right angled SMD socket connectors 1,27 mm pitch and precision turned contacts.</div>	1,27

Part	Description	Pitch
<div>Female Headers 2,00 mm</div> <div></div>	<div><b>156 Series</b></div> <div>Straight female headers 2,00 mm pitch.</div> <div>• Different variations and heights available.</div>	<div>2,00</div>
<div>Female Headers Right Angled 2,00 mm</div> <div></div>	<div><b>159 Series</b></div> <div>Right angled female headers 2,00 mm pitch.</div> <div>• Different variations and heights available.</div>	<div>2,00</div>
<div>Female Headers SMD 2,00 mm</div> <div><div></div><div></div></div>	<div><b>422 Series</b></div> <div>Straight SMD female headers 2,00 mm pitch.</div> <div>Standard versions with 4,50 and 7,62 mm height above board.</div>	<div>2,00</div>
<div>Female Headers SMD 2,00 mm</div> <div><div></div><div></div></div>	<div><b>158 Series</b></div> <div>Straight SMD female headers 2,00 mm pitch.</div> <div>Low profile version with a height of 2,80 mm only.</div>	<div>2,00</div>
<div>Female Headers SMD, Right Angled 2,00 mm</div> <div><div></div><div></div></div>	<div><b>413 Series</b></div> <div>Side entry female headers 2,00 mm pitch.</div> <div>• Different variations and heights available.</div>	<div>2,00</div>
<div>Female Headers with Turned Contacts 2,00 mm</div> <div></div>	<div><b>165 Series</b></div> <div>Straight and right angled female headers 2,00 mm pitch and precision turned contacts.</div>	<div>2,00</div>

Part	Description	Pitch
Female Headers SMD with Turned Contacts 2,00 mm 	<b>171 Series</b> Straight and right angled SMD female headers 2,00 mm pitch and precision turned contacts.	<b>2,00</b>
		
Female Headers Press-fit with Turned Contacts 2,00 mm	<b>173 Series</b> Straight female headers 2,00 mm pitch and precision turned contacts for press-fit termination. The press-fit contacts are suitable for PCB thickness from 1,50 to 2,00 mm.	<b>2,00</b>
		
Female Headers 8,50 mm, Height 2,54 mm	<b>094 Series</b> Straight female headers 2,54 mm pitch. Standard product with a height above board of 8,50 mm.	<b>2,54</b>
		
Female Headers Right Angled 2,54 mm	<b>095 Series</b> Right angled female headers 2,54 mm pitch. Single and dual row versions available.	<b>2,54</b>
		
Female Headers Low Profile 5,70 mm, Height 2,54 mm	<b>096 Series</b> Straight and right angled female headers 2,54 mm pitch. Single and dual row versions. Low profile with a height of 5,70 mm above board only.	<b>2,54</b>
		
Female Headers Dual Entry 2,54 mm	<b>097 Series</b> Dual entry female headers 2,54 mm pitch. Low profile with a height of 5,00 mm above board only. <ul style="list-style-type: none"><li>Different row spacings on pcb layout.</li></ul>	<b>2,54</b>
		

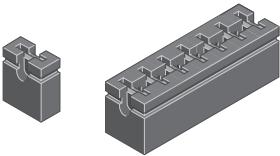
Part	Description	Pitch
Female Headers Dual Entry 8,50 mm, Height 2,54 mm	<b>298 Series</b> Dual entry single row female headers 2,54 mm pitch. <ul style="list-style-type: none"> <li>• Standard profile with a height of 8,50 mm above board.</li> <li>• Kinked contacts.</li> <li>• Different row spacings on pcb layout.</li> </ul>	■ 2,54
		
Female Headers Dual Entry 8,50 mm, Height 2,54 mm	<b>299 Series</b> Dual entry dual row female headers 2,54 mm pitch. <ul style="list-style-type: none"> <li>• Standard profile with a height of 8,50 mm above board.</li> <li>• Different row spacings on pcb layout.</li> </ul>	■ 2,54
		
Female Headers Right Angled, Side Entry 2,54 mm	<b>099 Series</b> Right angled female headers 2,54 mm pitch. Standard profile with 7,62 mm row spacing.	■ 2,54
		
Female Headers Elevated 2,54 mm	<b>100 Series</b> Extended female headers 2,54 mm pitch. <ul style="list-style-type: none"> <li>• Available in many different standard heights.</li> </ul>	■ 2,54
		
Female Headers SMD 2,54 mm 	<b>098 Series</b> SMD female headers 2,54 mm pitch. Standard height of 7,50 mm and low profile versions with a height of 3,70 mm only.	■ 2,54
		
Female Headers SMD, Right Angled 2,54 mm 	<b>366 Series</b> Right angled female headers 2,54 mm pitch. Single and dual row versions available.	■ 2,54
		

Part	Description	Pitch
Female Headers with Turned Contacts 2,54 mm	<div>111 Series</div> <div>Straight female headers 2,54 mm pitch and precision turned contacts. Low profile versions with a height above board of 4,20 mm only.</div>	2,54
		
Female Headers with Turned Contacts 2,54 mm	<div>115 Series</div> <div>Straight female headers 2,54 mm pitch and precision turned contacts. Standard versions with a height of 7,00 or 8,50 mm available.</div>	2,54
		
Female Headers with Turned Contacts 2,54 mm	<div>612 Series</div> <div>Straight female headers 2,54 mm pitch and precision turned contacts.  • Kinked solder or wire wrap termination in single or dual row version available.</div>	2,54
		
Female Headers with Turned Contacts 2,54 mm	<div>613 Series</div> <div>Straight female headers 2,54 mm pitch and precision turned contacts for press-fit mounting. Press-fit termination is suitable with board thicknesses between 1,50 and 2,00 mm.</div>	2,54
		
Female Headers with Turned Contacts for 1,00 mm Pin 2,54 mm	<div>126 Series</div> <div>Straight female headers 2,54 mm pitch and precision turned contacts mating with ø1,00 mm pins.</div>	2,54
		
Female Headers Right Angled with Turned Contacts 2,54 mm	<div>114 Series</div> <div>Right angled female headers 2,54 mm pitch and precision turned contacts.</div>	2,54
		

Part	Description	Pitch
<div>Female Headers SMD with Turned Contacts 2,54 mm</div> <div></div>	<div><b>122 Series</b></div> <div>Straight and right angled SMD female headers 2,54 mm pitch and precision turned contacts.</div>	<div>2,54</div>
<div>Female Headers SMD with Turned Contacts 2,54 mm</div> <div></div>	<div><b>120 Series</b></div> <div>Straight and right angled SMD female headers 2,54 mm pitch and precision turned contacts. Low profile versions with a height above board of 5,60 mm only.</div>	<div>2,54</div>
<div>Female Headers 3,00 mm</div> <div></div>	<div><b>703 Series</b></div> <div>Board to board connectors featuring blind mating and polarizing.  • Mates with series 704.</div>	<div>3,00</div>
<div>Female Headers for Power Applications 5,08 mm</div> <div></div>	<div><b>593 Series</b></div> <div>Female headers 5,08 mm pitch and a current carrying capacity of 8,2 A per contact.</div>	<div>5,08</div>
<div>Female Headers for Power and Signal Applications 2,00 / 5,08 mm</div> <div></div>	<div><b>564 Series</b></div> <div>Female headers 5,08 / 2,00 mm pitch. For mixed signal and power transmission up to 8,2A.</div>	<div>2,00 / 5,08</div>
<div>Female Headers for Power and Signal Applications 2,54 / 5,08 mm</div> <div></div>	<div><b>562 Series</b></div> <div>Female headers 5,08 / 2,54 mm pitch. For mixed signal and power transmission up to 8,2A.</div>	<div>2,54 / 5,08</div>



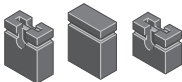
- Closed or open insulator
- Jumper blocks
- 2,00 / 2,54 / 5,08 mm pitch



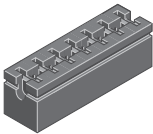
Part	Description	Pitch
Mini Jumpers 1,27 mm	<b>713 Series</b> Closed top female jumpers 1,27 mm pitch.  • Colour coding in five different colours as standard.	<b>1,27</b>



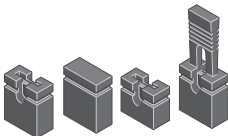
Jumpers 2,00 mm	<b>175 Series</b> Female jumpers closed or open top, in three different heights 2,00 mm pitch.  • Colour coding in six different colours as standard.	<b>2,00</b>
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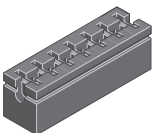
Jumper Blocks 2,00 mm	<b>303 Series</b> Female jumper blocks 2,00 mm pitch to link up to 10 pairs in one step.	<b>2,00</b>
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Jumpers 2,54 mm	<b>149 Series</b> Female jumpers 2,54 mm pitch.  • Colour coding in seven different colours as standard. • Versions with handle	<b>2,54</b>
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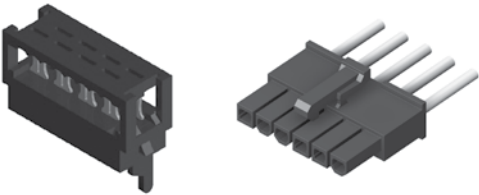


Jumper Blocks 2,54 mm	<b>336 Series</b> Female jumper blocks 2,54 mm pitch to link up to 13 pairs in one step.	<b>2,54</b>
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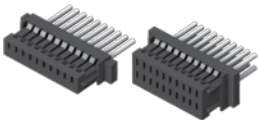


Part	Description	Pitch
Jumpers 5,08 mm	<div>304 Series</div> <div>Female jumpers 3-pole, can be used to link either 3 pins 2,54 mm pitch or 2 pins 5,08 mm pitch.</div>	■ 5,08
		

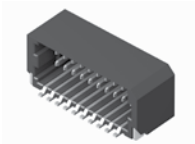
- Cable connectors for wire to board applications
- Current from 1A up to 9A per way



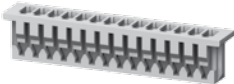
Part	Description	Pitch
Crimp Housings 1,00 mm, Wire to Board Connectors	<div>587 Series</div> <div>Crimp housings 1,00 mm pitch in single and dual row.</div>	<div>■</div> 1,00



Pin Headers 1,00 mm, Wire to Board Connectors	<div>586 Series</div> <div>High density SMD pin headers 1,00 mm pitch for wire to board applications. Straight and right angled versions available.</div>	<div>■</div> 1,00
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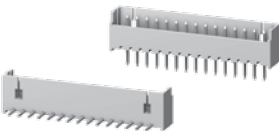
Crimp Housings 1,25 mm, Wire to Board Connectors	<div>425 Series</div> <div>Crimp housings 1,25 mm pitch. Compatible with industries standard.</div>	<div>■</div> 1,25
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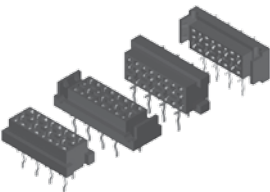

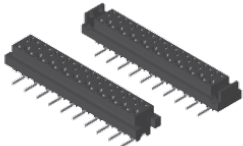
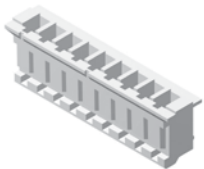
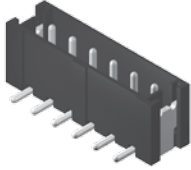
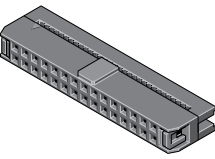
Crimp Housings 1,25 mm, Wire to Wire Connectors	<div>701 Series</div> <div>Crimp housings 1,25 mm pitch for male contacts to be used in wire to wire applications.</div>	<div>■</div> 1,25
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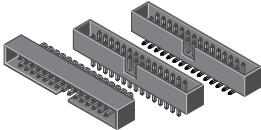
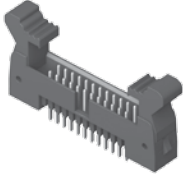

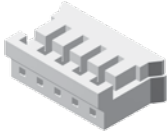
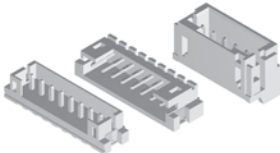

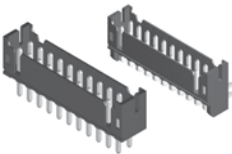


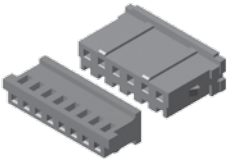
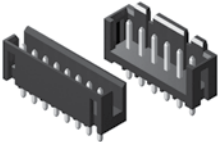
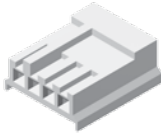
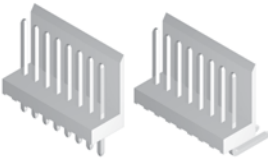

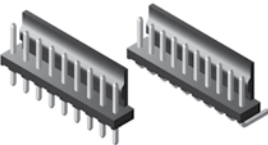
Pin Headers Shrouded 1,25 mm, Wire to Board Connectors	<div>426 Series</div> <div>Pin headers for wire to board applications 1,25 mm pitch for trough hole mount. Compatible with industries standard.</div>	<div>■</div> 1,25
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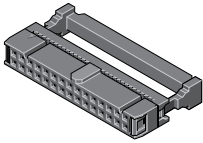
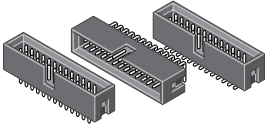
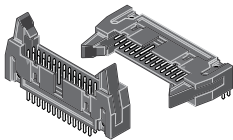
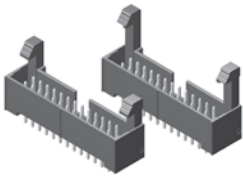
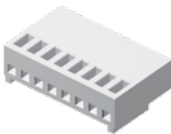
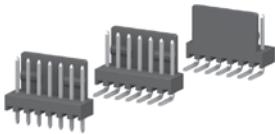


Part		Description	Pitch
Pin Headers SMD Shrouded 1,25 mm Wire to Board Connectors		<b>427</b> Pin headers for wire to board applications 1,25 mm pitch for SMD mount. Compatible with industries standard.	<b>1,25</b>
			
IDC-Connectors 1,27 mm		<b>343</b> Series Female connectors 1,27 mm pitch for IDC termination. Recommended cable: AWG 30 flat ribbon cable 0,635 mm pitch.	<b>1,27</b>
			
Pin Headers SMD, Shrouded with Eject Levers 1,27 mm		<b>363</b> Series Straight and right angled shrouded pin headers 1,27 mm pitch and active locking feature, SMD or through hole mount.	<b>1,27</b>
			
Pin Headers SMD, Shrouded 1,27 mm		<b>361</b> Series Straight shrouded pin headers 1,27 mm pitch for SMD mount.	<b>1,27</b>
			
IDC-Connectors 1,27 x 2,54 mm, Wire to Board Connectors		<b>344</b> Series Female connectors 1,27 x 2,54 mm pitch for IDC termination. Additional strain relief available as an option. Recommended cable: AWG 30 flat ribbon cable 0,635 mm pitch.	<b>1,27</b>
			
Micro Match Connectors 1,27 mm, Flat Ribbon Cable to PCB, Wire to Board Connectors		<b>371</b> Series High density transmission connectors. These parts are compatible with industries standard products. Recommended cable: AWG 28 flat ribbon cable 1,27 mm pitch.	<b>1,27</b>
			

Part		Description	Pitch
Micro Match Connectors 1,27 mm Wire to Board Connectors		<b>372 Series</b> High density male connectors for IDC termination. These parts are compatible with industries standard products. Recommended cable: AWG 28 flat ribbon cable 1,27 mm pitch.	■ 1,27
			
Female Headers Micro Match 1,27 mm Wire to Board Connectors		<b>369 Series</b> Wire to board socket connectors 1,27 mm pitch. These parts are compatible with industries standard products.	■ 1,27
			
Female Headers Micro Match, SMD 1,27 mm Wire to Board Connectors		<b>374 Series</b> Wire to board SMD socket connectors 1,27 mm pitch. These parts are compatible with industries standard products.	■ 1,27
			
Crimp Housings 1,50 mm, Wire to Board Connectors		<b>673 Series</b> Crimp housings 1,50 mm pitch. Compatible with industries standard.	■ 1,50
			
Pin Headers Shrouded 1,50 mm, Wire to Board Connectors		<b>671 Series</b> Shrouded pin headers for wire to board application 1,50 mm pitch.	■ 1,50
			
IDC-Connectors 2,00 mm		<b>160 Series</b> Female connectors 2,00 mm pitch for IDC termination.  • Recommended cable: AWG 28 flat ribbon cable 1,00 mm pitch.	■ 2,00
			

Part	Description	Pitch
Pin Headers SMD, Shrouded 2,00 mm	<div><div>155 Series</div><div>Straight and right angled shrouded pin headers for wire to board applications, 2,00 mm pitch. Low profile with a height of 5,60 mm only.</div></div>	<div><div></div><div>2,00</div></div>
		
Pin Headers Shrouded with Eject Levers 2,00 mm	<div><div>588 Series</div><div>Ejector headers 2,00 mm pitch for through hole and SMD termination.</div></div>	<div><div></div><div>2,00</div></div>
		
Crimp Housings 2,00 mm, Wire to Board Connectors	<div><div></div><div><div>677 Series</div><div>Crimp housings 2,00 mm pitch. Compatible with industries standard.</div></div></div>	<div><div></div><div>2,00</div></div>
		
Pin Headers Shrouded 2,00 mm, Wire to Board Connectors	<div><div><div>668 Series</div><div>Shrouded pin headers for wire to board applications, 2,00 mm pitch, SMD mount for wire to board applications.</div></div></div>	<div><div></div><div>2,00</div></div>
		
Crimp Housings 2,00 mm, Wire to Board Connectors	<div><div><div>679 Series</div><div>Dual row crimp housings 2,00 mm pitch. Compatible with industries standard.</div></div></div>	<div><div></div><div>2,00</div></div>
		
Pin Headers Shrouded 2,00 mm, Wire to Board Connectors	<div><div><div></div><div><div>665 Series</div><div>Shrouded pin headers for wire to board applications 2,00 mm pitch.</div></div></div></div>	<div><div></div><div>2,00</div></div>
		

Part	Description	Pitch
Crimp Housings 2,50 mm, Wire to Board Connectors	<div>682 Series</div> <div>Crimp housings 2,50 mm pitch and polarizing feature for wire to board applications.</div>	2,50
		
Pin Headers Shrouded 2,50 mm, Wire to Board Connectors	<div>663 Series</div> <div>Shrouded pin headers for wire to board applications, 2,50 mm pitch for wire to board applications. Available with polarizing and locking feature.</div>	2,50
		
Crimp Housings 2,50 mm, Wire to Board Connectors	<div>684 Series</div> <div>Crimp housings 2,50 mm pitch and polarizing feature.</div>	2,50
		
Pin Headers 2,50 mm, Wire to Board Connectors	<div>661 Series</div> <div>Pin headers for wire to board applications with polarizing feature and 2,50 mm pitch.</div>	2,50
		
Crimp Housings 2,50 mm, Wire to Board Connectors	<div>686 Series</div> <div>Crimp housings 2,50 mm pitch and polarizing feature.</div>	2,50
		
Pin Headers 2,50 mm, Wire to Board Connectors	<div>660 Series</div> <div>Pin headers for wire to board applications 2,50 mm pitch, polarizing and locking feature.</div>	2,50
		

Part	Description	Pitch
IDC-Connectors 2,54 mm  	<b>101 Series</b> Female connectors according to DIN 41651 / IEC60603-13 for IDC termination.	■ 2,54
Pin Headers Shrouded 2,54 mm  	<b>093 Series</b> Straight and right angled shrouded pin headers according to DIN 41651 / IEC60603-13 for through hole or SMD termination.	■ 2,54
Pin Headers Shrouded with Eject Levers 2,54 mm  	<b>092 Series</b> Straight and right angled shrouded pin headers according to DIN 41651 / IEC60603-13 for through hole or SMD termination. Parts are available optional with pre-mounted locking feature in 2 lengths.	■ 2,54
Pin Headers Shrouded with Rear Mount Eject Levers 2,54 mm  	<b>672 Series</b> Shrouded pin headers with pre-mounted locking feature in 2 optional lengths mounted on the rear wall.	■ 2,54
Crimp Housings 2,54 mm, Wire to Board Connectors  	<b>431 Series</b> Polarized crimp housings 2,54 mm pitch. Compatible with industries standard.	■ 2,54
Pin Headers with Polarizing Feature 2,54 mm, Wire to Board Connectors  	<b>428 Series</b> Pin headers 2,54 mm pitch for wire to board applications with polarizing and friction lock feature.	■ 2,54

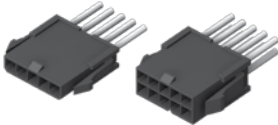


Part	Description	Pitch
Crimp Housings 2,54 mm, Wire to Board Connectors	<b>430 Series</b> Single and dual row crimp housings 2,54 mm pitch.  • Mates with all standard 2,54 mm pinheaders with square pins.	■ 2,54
Crimp Housings 2,54 mm, Wire to Board Connectors	<b>432 Series</b> Polarized crimp housings 2,54 mm pitch. Locking feature as an option. Compatible with industries standard.	■ 2,54
Pin Headers with Polarizing Feature 2,54 mm, Wire to Board Connectors	<b>429 Series</b> Shrouded pin headers 2,54 mm pitch for wire to board applications with polarizing and positive locking feature.	■ 2,54
Pin Headers 2,54 mm	<b>087 Series</b> Standard pin headers 2,54 mm pitch and 0,64 mm square pins.  • Different plating options and different insulators as standard. • Any pin length available on request. Customized connectors are possible for smaller quantities as well.	■ 2,54
Crimp Housings 2,54 mm, Wire to Board Connectors	<b>688 Series</b> Crimp housings 2,54 mm pitch and polarizing feature.	■ 2,54
Pin Headers with Polarizing Feature 2,54 mm, Wire to Board Connectors	<b>662 Series</b> Shrouded pin headers 2,54 mm pitch for wire to board applications with polarizing and locking feature.	■ 2,54

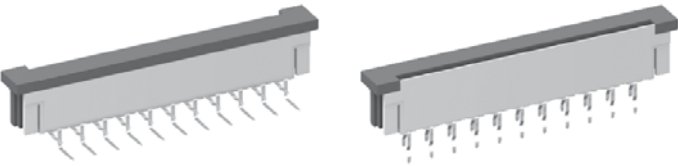
Part	Description	Pitch
Crimp Housings 3,00 mm, Wire to Board Connectors	<b>433 Series</b> Polarized crimp housings 3,00 mm pitch for power and signal transmission. Positive locking system. Compatible with industries standard.	■ 3,00
		
Pin Headers 3,00 mm, Wire to Board Connectors	<b>435 Series</b> Wire to board pin headers 3,00 mm pitch for power and signal transmission. Straight and right angled versions for through hole termination. Compatible with industries standard.	■ 3,00
		
Pin Headers SMD 3,00 mm, Wire to Board Connectors	<b>669 Series</b> Wire to board pin headers 3,00 mm pitch for power and signal transmission. Single row for straight and right angled SMD termination. Compatible with industries standard.	■ 3,00
		
Pin Headers 3,00 mm, Wire to Board Connectors	<b>437 Series</b> Wire to board pin headers 3,00 mm pitch for power and signal transmission. Dual row for straight and right angled SMD termination. Compatible with industries standard.	■ 3,00
		
Crimp Housings for Pin Contacts 3,00 mm Wire to Wire Connectors	<b>434 Series</b> Polarized crimp housings for pin contacts 3,00 mm pitch for wire to wire applications. Compatible with industries standard.	■ 3,00
		
Crimp Housings 3,96 mm, Wire to Board Connectors	<b>577 Series</b> Crimp housings 3,96 mm pitch with polarizing and locking feature. Compatible with industries standard.	■ 3,96
		

Part	Description	Pitch
Pin Headers 3,96 mm	<div>578 Series</div> <div>Wire to board pin headers 3,96 mm pitch for power and signal transmission with friction lock system. Single row for straight and right angled board orientation. Compatible with industries standard.</div>	3,96
		
Crimp Housings 3,96 mm, Wire to Board Connectors	<div>579 Series</div> <div>Polarized crimp housings 3,96 mm pitch and positive locking feature. Compatible with industries standard.</div>	3,96
		
Pin Headers 3,96 mm	<div>580 Series</div> <div>Polarized pin headers 3,96 mm pitch and positive locking feature.</div>	3,96
		
Crimp Housings 4,20 mm, Wire to Board Connectors	<div>569 Series</div> <div>Polarized crimp housings 4,20 mm pitch. Positive locking system. Compatible with industries standard.</div>	4,20
		
Pin Headers 4,20 mm, Wire to Board Connectors	<div>571 Series</div> <div>Polarized right angled pin headers for wire to board applications 4,20 mm pitch and locking system for power transmission up to 9 A. Compatible with industries standard.</div>	4,20
		
Pin Headers 4,20 mm, Wire to Board Connectors	<div>573 Series</div> <div>Polarized straight pin headers for wire to board applications 4,20 mm pitch and locking system for power transmission up to 9 A. Compatible with industries standard.</div>	4,20
		

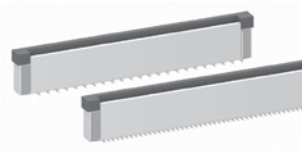
Part	Description	Pitch
Crimp Housings for Pin Contacts 4,20 mm, Wire to Wire Connectors	<div>576 Series</div> <p>Polarized crimp connectors for wire to wire applications 4,20 mm pitch and locking system for power transmission up to 9 A. Compatible with industries standard.</p>	<div>4,20</div>



- 0,50 mm, 0,80 mm and 1,00 mm pitch



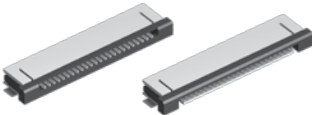
Part		Description	Pitch
FFC/FPC Connectors 0,50 mm		<b>406 Series</b> Connectors for FFC/FPC 0,50 mm pitch as ZIF version for straight surface mount.	<b>0,50</b>



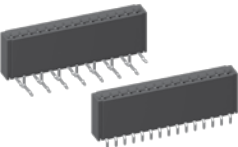
FFC/FPC Connectors 0,50 mm		<b>407 Series</b> Connectors for FFC/FPC 0,50 mm pitch as ZIF version for right angled surface mount.	<b>0,50</b>
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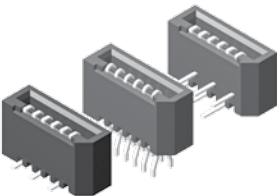
FFC/FPC Connectors 0,80 mm		<b>589 Series</b> Connectors for FFC/FPC 0,80 mm pitch as ZIF version for right angled surface mount.	<b>0,80</b>
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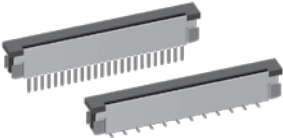


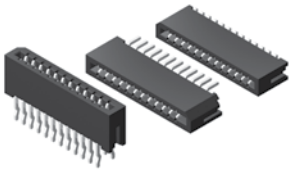


FFC/FPC Connectors 1,00 mm		<b>400 Series</b> Connectors for FFC/FPC 1,00 mm pitch as LIF version featuring a dual beam contact. Through hole and SMD versions in straight and right angled orientation available.	<b>1,00</b>
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FFC/FPC Connectors 1,00 mm		<b>675 Series</b> Connectors for FFC/FPC 1,00 mm pitch as LIF version. Through hole and SMD versions in straight and right angled orientation available.	<b>1,00</b>
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Part		Description	Pitch
FFC/FPC Connectors 1,00 mm		<b>404</b> Series Connectors for FFC/FPC 1,00 mm pitch as ZIF version for surface mount.	 <b>1,00</b>
			
FFC/FPC Connectors 1,25 mm		<b>667</b> Series Connectors for FFC/FPC 1,25 mm pitch as LIF version.	 <b>1,25</b>
			

- High vibration resistant, super flexible



Part	Description	Pitch
Flat Flexible Cables 0,50 to 2,54 mm	<div>409 Series</div> <div>High flexible flat cables according to customer specification. We offer prototyping service and small to medium quantities as well.</div>	<div>0,50 .. 2,54</div>





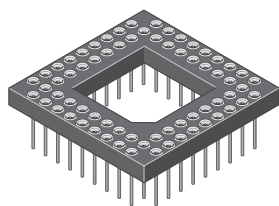
**Geschirmte FFC-Kabel**



- 
- Konfektionierte FFC Kabel in abgeschirmter Ausführung

## PGA-SOCKETS and CARRIER

### ■ Product Group 9

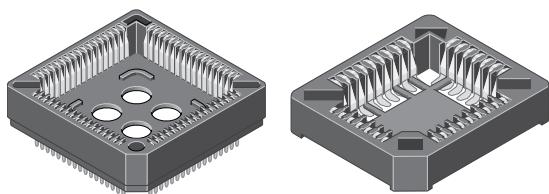


PGA Sockets and carrier for all common layouts and pitches with precision turned contacts for through hole, SMD / SMT and wire wrap termination.

- Available in a multitude of footprints

## PLCC-SOCKETS

### ■ Product Group 10



PLCC sockets according to JEDEC MO-047 / MO-052 for SMD or through hole soldering.

- All common pin counts in through hole or SMD

## D-SUB

### ■ Product Group 12

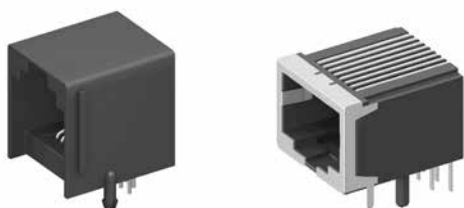


D-Sub connectors in all common variations and pin counts including water tight versions. We are offering a comprehensive range of accessories as well.

- Available for through hole, SMD, press-fit and solder cup termination

## MODULAR JACK

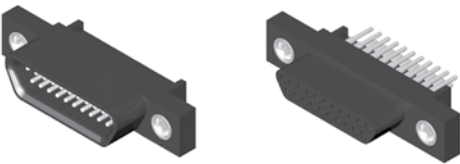
### ■ Product Group 14



Modular Jacks in all common variations.

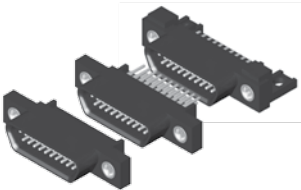
- Standard, shielded and filtered versions

- High quality miniature connectors for board to board and wire to board applications



Part	Description	Pitch
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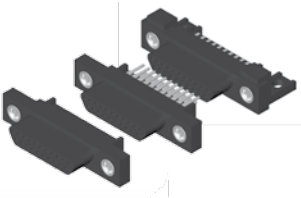
Micro T Pin Headers 1,27 mm



**386 Series**  
Micro-T male connectors for use in applications requiring small connectors with high reliability.  
The D-shape of the insulator assures polarized mating.

**1,27**

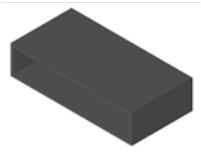
Micro T Female Headers 1,27 mm



**387 Series**  
Micro-T female connectors for use in applications requiring small connectors with high reliability.  
The D-shape of the insulator assures polarized mating.

**1,27**

Micro T Accessories



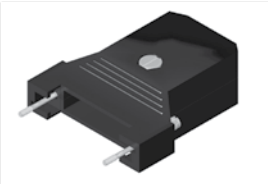
**388 Series**  
Micro-T potting sleeves.

Micro T Accessories



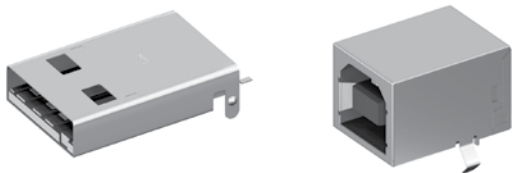
**595 Series**  
Micro-T locking screws.

Micro T Hoods

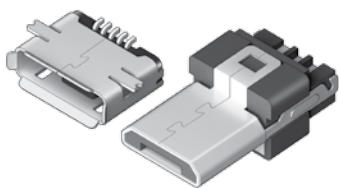



**389 Series**  
Micro-T cable hoods for all pin counts.

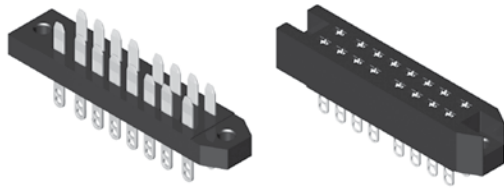
- USB connectors in all common variations.



Part	Description
<div>USB Type A</div> <div></div>	<div><b>416 Series</b></div> <div>USB Type A female connectors in straight and right angled orientation. Available in through hole or SMD version.</div> <div><ul style="list-style-type: none"><li>• <b>New</b>, a vertical SMD version without a need for any holes in the printed circuit board.</li></ul></div>
<div>USB Multiport Type A</div> <div></div>	<div><b>414 Series</b></div> <div>USB A, female connectors, available in dual or triple port version.</div>
<div>USB Plug Type A</div> <div></div>	<div><b>415 Series</b></div> <div>USB A, male connectors for PCB through hole or SMD termination.</div>
<div>USB Type B</div> <div><div></div><div></div></div>	<div><b>418 Series</b></div> <div>USB B, connectors for PCB through hole or SMD termination.</div>
<div>Mini USB</div> <div></div>	<div><b>397 Series</b></div> <div>Mini USB connectors for PCB through hole or SMD termination.</div>

Part	Description
<p>Micro USB</p> 	<p><b>712 Series</b> Micro USB connectors for PCB or wire termination.</p>
<p>USB 3.1 Type C</p> 	<p><b>719 Series</b> USB 3.1 Type C</p>

- Male and female multiport connectors according to DIN 41622 / 41618 including solder- or crimpcontacts for wire or printed circuit board termination



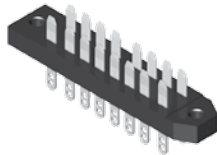
## Part

DIN 41622 Plug Connectors

## Description

### 383 Series

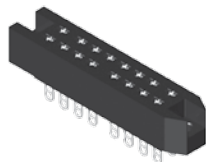
Plug connectors according to DIN 41622 with solder contacts for wire or PCB termination.



DIN 41622 Socket Connectors

### 384 Series

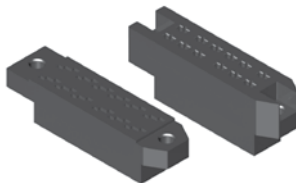
Socket connectors according to DIN 41622 with solder contacts for wire or PCB termination.



DIN 41622 Crimp Housings

### 376 Series

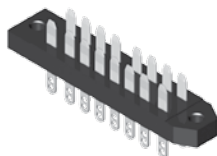
Crimp housings according to DIN 41622 in male and female version.



DIN 41618 Plug Connectors

### 710 Series

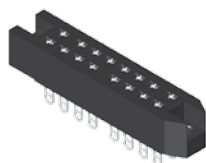
Plug connectors according to DIN 41618 with solder contacts for wire or PCB termination.

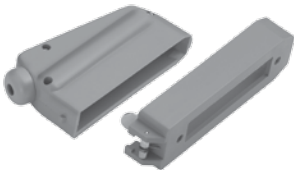




DIN 41618 Socket Connectors

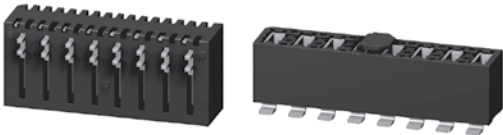
### 711 Series


Socket connectors according to DIN 41618 with solder contacts for wire or PCB termination.




Part	Description
DIN 41622 / 41618 Cable Hoods and Armatures	<div><div>378 Series</div><div>Cable hoods and armatures in plastic version.</div></div> <div></div>
DIN 41622 / 41618 Metal Cable Hoods and Armatures	<div><div>380 Series</div><div>Cable hoods and armatures in metal version. Available for specific pincounts only. Please contact our sales desk for details.</div></div> <div></div>
DIN 41622 Accessories	<div><div>382 Series</div><div>Accessories for covers and armatures.</div></div> <div></div>

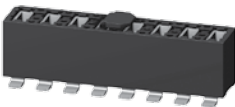
- 16 A per contact



Part		Description	Pitch
Power Connectors 5,08 mm		<b>445 Series</b> Male power connectors for a current rate up to 16 Amps per contact.	<b>5,08</b>

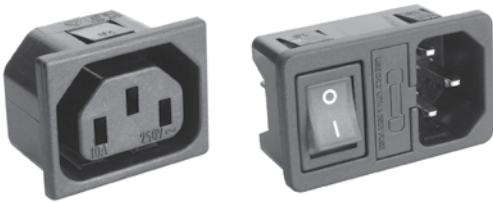


Power Connectors 5,08 mm		<b>446 Series</b> Female power connectors for a current rate up to 16 Amps per contact.	<b>5,08</b>
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- Power in- and outlets according to IEC 60320
- All common variations for different current loads and terminations



Part	Description
Power Inlets, Horizontal Mount	<div><b>615 Series</b> Power inlets, flange version, horizontal mount. Variations with 36 mm and 40 mm centre hole distance available.</div>
Power Inlets, Vertical Mount	<div><b>616 Series</b> Power inlets, flange version, vertical mount.</div>
Power Inlets, Bottom Mount	<div><b>617 Series</b> Power inlets, flange version, bottom mount.</div>
Power Inlets, Bottom Mount	<div><b>618 Series</b> Power inlets, flange version, bottom mount.</div>
Power Inlets, Snap-in	<div><b>619 Series</b> Power inlets snap-in version. Fixed snap-in for panel sizes 1,0; 1,5; 2,0; 2,5 or 3,0 mm as well as a variable snap-in for panel sizes from 1,0 up to 3,2 mm.</div>

Part	Description
Power Inlets, Horizontal Flange for PCB Termination	<div><div></div><div><p><b>620 Series</b> Power inlets, flange version, horizontal mount for printed circuit board termination. Variations with 36 mm and 40 mm centre hole distance available. Terminals optional on top or on bottom side.</p></div></div>
Power Inlets, Vertical Flange for PCB Termination	<div><div></div><div><p><b>622 Series</b> Power inlets, flange version, vertical mount for printed circuit board termination. Terminals optional on top or on bottom side.</p></div></div>
Power Inlets, Snap-in for PCB Termination	<div><div></div><div><p><b>624 Series</b> Power inlets, snap-in version, horizontal mount for printed circuit board termination. Terminals optional on top or on bottom side. Fixed snap-in for panel sizes 1,0; 1,5; 2,0; 2,5 or 3,0 mm as well as a variable snap-in for panel sizes from 1,0 up to 3,2 mm.</p></div></div>
Power Inlets, PCB Flange Mount	<div><div></div><div><p><b>621 Series</b> Power inlets, flange mount version, optional with threaded brass inserts.</p></div></div>
Power Inlets 16 A, Horizontal Mount	<div><div></div><div><p><b>625 Series</b> Power inlets 16 A, flange version, horizontal mount.</p></div></div>
Power Inlets 16 A, Vertical Mount	<div><div></div><div><p><b>626 Series</b> Power inlets 16 A, flange version, vertical mount.</p></div></div>

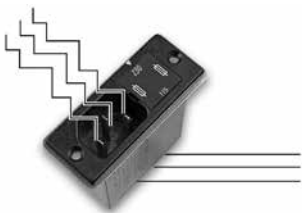
Part	Description	Pitch
Power Inlets 16 A, Snap-in	<div>627 Series</div> <div>Power inlets 16 A, snap-in version. Fixed snap-in for panel sizes 1,0; 1,5; 2,0; 2,5 or 3,0 mm available.</div>	
		
Fused Power Inlets, Horizontal Mount	<div>628 Series</div> <div>Fused power inlets, flange version, horizontal mount optional with voltage selector.</div>	
		
Fused Power Inlets, Vertical Mount	<div>630 Series</div> <div>Fused power inlets, flange version, vertical mount optional with voltage selector.</div>	
		
Fused Power Inlets, Snap-in	<div>629 Series</div> <div>Fused power inlets, snap-in version optional with voltage selector. Fixed snap-in for panel sizes 1,0; 1,5; 2,0; 2,5 or 3,0 mm available.</div>	
		
Fused Power Inlets, Snap-in	<div>634 Series</div> <div>Fused power inlets for use with one or two fuses, snap-in version optional with voltage selector. Fixed snap-in for panel sizes 1,5; 2,0 or 2,5 mm available. Rated values for the fuse: max 1,6 W / 10 A / 250 V<sub>AC</sub></div>	
		
Fused Power Inlets, Horizontal Mount with Voltage Selector	<div>631 Series</div> <div>Fused power inlets, flange version horizontal mount, for use with one or two fuses and a voltage selector for up to 4 different voltages.</div>	
		

Part	Description
Fused Power Inlets, Snap-in with Voltage Selector	<div><div></div><div><div>632 Series</div><div>Fused power inlets, snap-in version horizontal mount, for use with one or two fuses and a voltage selector for up to 4 different voltages. Fixed snap-in for panel sizes 1,5; 2,0 or 2,5 mm available.</div></div></div>
Power Inlets, Snap-in with Switch	<div><div></div><div><div>633 Series</div><div>Power inlets snap-in version with switch. Fixed snap-in for panel sizes 1,5; 2,0 or 2,5 mm available.</div></div></div>
Fused Power Inlets, Snap-in with Switch	<div><div></div><div><div>635 Series</div><div>Fused power inlets with switch, snap-in version, for use with one or two fuses and voltage selector. Fixed snap-in for panel sizes 1,5; 2,0 or 2,5 mm available. Rated values for the fuse: max 1,6 W / 10 A / 250 V<sub>AC</sub></div></div></div>
Fused Power Inlets, Vertical Mount with Switch	<div><div></div><div><div>448 Series</div><div>Fused power inlets, flange version with switch. The switch can be illuminated as an option.</div></div></div>
Fused Power Inlets, Snap-in with Switch	<div><div></div><div><div>650 Series</div><div>Fused power inlets, snap-in version with switch. The switch can be illuminated as an option. Fixed snap-in for panel sizes 1,0, 1,5 or 2,0 mm available.</div></div></div>
Power Outlets, Horizontal Mount	<div><div></div><div><div>639 Series</div><div>Power outlets, flange version, horizontal mount.</div></div></div>

Part	Description
Power Outlets, Vertical Mount	<div>640 Series</div> <div>Power outlets, flange version, vertical mount.</div> <div></div>
Power Outlets, Snap-in	<div>641 Series</div> <div>Power outlets snap-in version. Fixed snap-in for panel sizes 1,0; 1,5; 2,0 or 2,5 mm available.</div> <div></div>
Power Outlets, Horizontal Mount	<div>638 Series</div> <div>Power outlets, flange version, bottom mount.</div> <div></div>
Power Outlets, Horizontal Flange for PCB Mount	<div>642 Series</div> <div>Power outlets, flange version, horizontal mount for printed circuit board termination. Terminals optional on top or on bottom side.</div> <div></div>
Power Outlets, Vertical Flange for PCB Mount	<div>643 Series</div> <div>Power outlets, flange version, vertical mount for printed circuit board termination. Terminals optional on top or on bottom side.</div> <div></div>
Power Outlets, Snap-in for PCB Termination	<div>644 Series</div> <div>Power outlets, snap-in version, horizontal mount for printed circuit board termination. Terminals optional on top or on bottom side. Fixed snap-in for panel sizes 1,0; 1,5; 2,0; 2,5 or 3,0 mm available.</div> <div></div>

Part	Description
Power Outlets PCB with Flange Mount	<p><b>645 Series</b> Power outlets, flange mount version, optional with threaded brass inserts.</p> 
Power Outlets 16 A with Horizontal Mount	<p><b>646 Series</b> Power outlets 16 A, flange version, horizontal mount.</p> 
Power Outlets 16 A with Snap-in	<p><b>647 Series</b> Power outlets 16 A, snap-in version. Variable snap-in for panel sizes from 1,0 up to 3,2 mm.</p> 
Combinations with Fused Inlet	<p><b>648 Series</b> Fused inlet-/outlet-combinations with up to 6 outlets in one housing.</p> 
Power Outlet Combinations	<p><b>649 Series</b> Outlet combinations with up to 7 outlets in one housing.</p> 
Rewirable IEC Male Connectors	<p><b>636 Series</b> Rewirable plug connectors, 3 choices for the cable outlet.</p> 

Part	Description
Rewirable IEC Female Connectors	<div>637 Series</div> <div>Rewirable socket connectors, 3 choices for the cable outlet.</div> <div></div>
Power Inlets for Small Appliances, Horizontal Mount	<div>654 Series</div> <div>Power inlets for small appliances, horizontal mount.</div> <div></div>
Power Inlets for Small Appliances, Press Fit Mount	<div>655 Series</div> <div>Power inlets for small appliances, press fit mount.</div> <div></div>
Power Inlets for Small Appliances	<div>652 Series</div> <div>Power inlets for small appliances in horizontal flange mount, for printed circuit board and solder termination.</div> <div></div>
Power Inlets for Small Appliances	<div>653 Series</div> <div>Power inlets for small appliances in snap in version, for printed circuit board and solder termination.</div> <div></div>
Customer Specific Power Cords	<div></div> <div>Please contact our sales desk.</div> <div></div>



- High quality single phase line filters with IEC connector
- All parts are available with zero leakage current for medical applications

Part	Description
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HGN 323

 Compact line filters



HGN 336

 Line filters with integrated 2-pole switch




HGN 337

 Line filters with integrated 2-pole switch and 2 fuses




HGN 339

 Line filters with integrated 2-pole switch, 2 fuses and a 2-way voltage selector




HGN 341

 Line filters with integrated 2-pole switch, 2 fuses and a 4-way voltage selector




Part	Description
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HGN 365

 Line filters with 2 fuses




HGN 369

 Line filters with one fuse and a 4-way voltage selector




HGN 369-X-2X

 Line filters with 2 fuses and a 2-way voltage selector



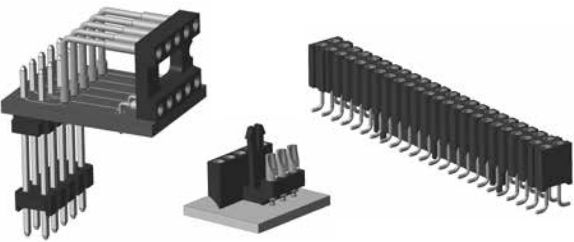
HGN 375


 Line filters with integrated 2-pole switch and 2 fuses

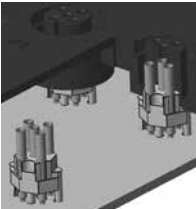


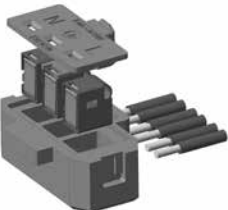



- Following are a few representative examples for customer specific products out of our production





Part	Description
Stamped Parts	 <p>We are offering precision metal stampings for all industries, specializing in complex, high precision contact systems. Custom tooling designed and manufactured by MPE-Garry</p>


M12 Contact Carrier System	 <p>A special contact carrier system for M12 Connectors. This carrier system allows preassembling all contacts on a printed circuit board before mounting it with a front panel.</p>
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Connector System for the Connection of Luminares	 <p>A special pluggable installation solution for ceiling lights which makes the installation of a lamp as easy and save as inserting a mains plug into a wall outlet.</p>
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A precision stamped contact element	 <p>This part is supplied on tape and reel for automatic pick and place mounting.</p>
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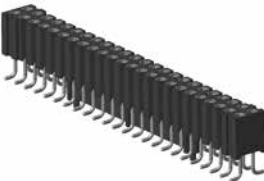
Pin Header	 <p>34-way pin header with integrated fastening features.</p>
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LED Adapter	 <p>A special adapter to contact a small LED display on a horizontal orientated printed circuit board</p>
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IP – 65 Power Outlet	 <p>A special power outlet with internal seals to withstand harsh environmental conditions.</p>
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Wire to Board Connector IP-65	 <p>A special lockable connector for high current applications in harsh environment.</p>
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Pin Header	 <p>Special 2-row pin header with integrated stop function.</p>
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Socket Strip	 <p>SMD socket strip with a special height, integrated location pegs and a coplanarity of less than 0,10 mm.</p>
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# CUSTOMER SPECIFIC SOLUTIONS


Part	Description
Pin Header	 <p>Special pin header with round pins and two insulators to compensate a height difference of two boards mounted in line.</p>

Part	Description
Adapter	 <p>Special test adapter for sensor heads.</p>

Adapter	 <p>Programming adapter to adjust light control units in buildings.</p>
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Contact Array	 <p>Special contact array on a carrier. Integrated spacers ensure a special height without the need of special contacts.</p>
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Socket Array	 <p>Special socket array with female contacts, solder cup contacts and an integrated spacer.</p>
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Adapter Cable	 <p>Special adapter cable which connects a 0,50 mm pitch to a 2,54 mm pitch.</p>
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Wire to Board Contacts	 <p>High current wire to board contacts for up to 70 A.</p>
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Contact System	 <p>Contact system for LED light tubes.</p>
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Display Dot	 <p>Display dot including all electrical connections for use in big outdoor displays.</p>
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Socket Connector	 <p>IP-67 socket connector for outdoor applications.</p>
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Power Inlet	 <p>Power inlets with integrated gasket and strain relief.</p>
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Wir haben uns **neu** positioniert.

Wir sind ein zuverlässiger **Partner**.

Wir denken **global**.

Wir wollen eine **Marke** werden.



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87629 Füssen  
Germany

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[www.mpe-connector.de](http://www.mpe-connector.de)