

Sentrality Connectors

Design engineers are often challenged with space constraints, tolerance stack-up issues during product integration, and limited end-product configurations. Sentrality High-voltage, High-current Power Connectors offer excellent solutions for these problems. Self-aligning sockets overcome tolerance stack-up concerns by supporting simultaneous mating of multiple pins and sockets. At 10.00mm tall, these sockets deliver minimum board stack heights, making them highly suitable for space-constrained applications. Sentrality sockets and pins, available in straight and right-angle orientations, also allow for a wide array of printed circuit board and busbar mating configurations to optimize space utilization inside devices.

ADVANTAGES AND FEATURES



MITIGATES TOLERANCE STACK-UP ISSUES

Sentrality self-aligning socket assemblies are free to float radially +/- 1.00mm.



ENABLES MULTIPLE DESIGN CONFIGURATIONS

Sentrality straight and right-angle sockets and pin configurations allow for mezzanine, right-angle, co-planar, off-set planar and reverse planar board-to-board placements.



OFFERS EXCELLENT SPACE SAVINGS

Low-profile Sentrality straight sockets are all only 10.00mm tall, regardless of pin size, making them ideal for applications with limited space.



PROVIDES DESIGN FLEXIBILITY

Sentrality sockets and pins are available in screw-mount, surface-mount (SMT), solder-tail, and/or press-fit board-attach options and are suitable for PCB and busbar applications.

Self-Alignment (max.)	+/- 1.00mm
Current Rating (max.)	3.40mm: 75.0A 6.00mm: 140.0A 8.00mm: 200.0A 11.00mm: 350.0A
Voltage Rating	1,500 V
USCAR 2.0 (Rev. 7) Vibration/Mechanical Shock Thermal Shock w/Continuity Temperature/Humidity Cycling/High Temperature Exposure	Compliant
Operating Temperature	-40 to +125°C
Mating Cycles	200
REACH/RoHS	Compliant



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STRAIGHT SELF-ALIGNING AND STANDARD SOCKETS



Self-Aligning Surface Mount Socket



Surface-Mount Socket



Self-Aligning, Press-Fit Socket



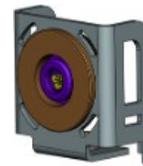
Press-Fit Socket

Description	3.40mm Size	6.00mm Size	8.00mm Size	11.00mm Size
Self-aligning surface mount top-entry socket	212195-0018	212195-0006	212195-0010	213880-0001
Self-aligning surface mount bottom-entry socket	212195-5018	212195-0026	212195-5110	213880-0003
Self-aligning press-fit top-entry socket	204313-0018	204313-0006	204313-0010	213680-0001
Surface mount top-entry socket	212194-0018	212194-0006	212194-0001	213953-0001
Surface mount bottom-entry socket	Contact Molex	Contact Molex	Contact Molex	Contact Molex
Press-fit top-entry socket	204316-0018	204316-0006	204316-0001	213780-0001

RIGHT-ANGLE, SELF-ALIGNING SOCKETS



Self-Aligning Surface Mount Socket



Self-Aligning Screw Mount Socket

Description	3.40mm Size	6.00mm Size	8.00mm Size	11.00mm Size
Self-aligning right-angle solder tail socket	Contact Molex	220413-1010	205100-2010	226781-0002
Self-aligning right-angle screw mount socket	205000-1000	Contact Molex	Contact Molex	Contact Molex

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STRAIGHT SCREW MOUNT, PRESS-FIT, SURFACE MOUNT AND THREADED PINS



Screw-Mount Pin



Press-Fit Pin



Surface-Mount Pin



Threaded Pin

Description	3.40mm Size	6.00mm Size	8.00mm Size	11.00mm Size
Screw-mount pin L = 16.00mm	227004-0002	203263-8085	203263-7585	213902-0011
Screw-mount pin L = 26.00mm	227004-0004	203263-8285	203263-7785	213902-0012
Screw-mount pin L = 36.00mm	227004-0006	203263-8485	203263-7885	213902-0013
Press-fit L = 16.00mm	227006-0002	203263-0056	203263-0011	213900-0003
Press-fit L = 26.00mm	227006-0004	203263-0006	203263-0001	213900-0001
Press-fit L = 36.00mm	227006-0006	203263-0036	203263-0031	213900-0005
Surface-mount pin L = 16.00mm	227005-0002	203263-0156	203263-5180	213901-0002
Surface-mount pin L = 26.00mm	227005-0004	203263-0106	203263-5280	213901-0004
Surface-mount pin L = 36.00mm	227005-0006	203263-0246	203263-5480	213901-0005
Threaded pin L = 16.00mm	227007-0002	Contact Molex	Contact Molex	Contact Molex
Threaded pin L = 26.00mm	227007-0004	Contact Molex	Contact Molex	Contact Molex
Threaded pin L = 36.00mm	227007-0006	Contact Molex	Contact Molex	Contact Molex

Additional pin lengths are available. Contact a Molex sales representative for assistance.

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RIGHT-ANGLE SOLDER TAIL AND SCREW MOUNT PINS



Right-Angle Solder Tail Pin



Right-Angle Screw-Mount Pin

Description	3.40mm Size	6.00mm Size	8.00mm Size	11.00mm Size
Right-angle solder tail pin L = 12.85mm	Contact Molex	220409-1021	205100-2010	226781-0002
Right-angle solder tail pin L = 24.65mm	Contact Molex	220409-1022	Contact Molex	Contact Molex
Right-angle screw-mount pin L = 11.00mm	204314-1120	Contact Molex	Contact Molex	Contact Molex
Right-angle screw-mount pin L = 26.00mm	204314-1130	Contact Molex	Contact Molex	Contact Molex

Additional pin lengths are available. Contact a Molex sales representative for assistance.