

SussexWire incorporated



FLATTEN & PIERCED PINS



FLATTEN PINS



STRAIGHT & RADIUS PINS



WIRE BOND PINS



ROLL FORMED UNDERCUT PINS



SINGLE HEAD PINS

HERMETIC GLASS/CERAMIC TO METAL SEAL COMPONENTS



MULTI-HEAD PINS



SHOULDER/COLLAR PINS



THREADED TERMINAL PINS



SOLDER POT PINS



MULTI-BEND PINS



HOOKS



EYELETS



POINTED PINS



GROOVED & KNURL PINS

Hermetic Package Component Specifications

Geometry	Diameter	Length	Tolerance	Application
Flatten Pins	.012" - .156"	.090" - 2.00"	+/- .0003" diameter	Headers
Flatten & Pierced Pins	.018" - .187"	.300" - 3.00"	Hole diameter .018" and up	Headers/Relays
Straight Cut Pins	.006" - .312"	.065" and up	+/- .0003" diameter Connectors, Feedthroughs, Relays, TO headers	Circular & Rectangular
Full Radius Pins	.009" - .250"	.080" - and up	Controlled end radii Connectors, Feedthroughs, Relays, TO headers	Circular & Rectangular
Micro-Polish Wire Bond Pins	.009 - .250"	.080" - and up	No edge break and complete 100% surface finish area	Sensors
Roll Formed Undercut Pins	.025" - .187"	.350" - 2.00"		Headers, Terminals, Relays
Single Head Pins	.0035" - .250"	.060" - 4.00"	Weld features, Sealing flats, Wire bondable head surface, Controlled Radii	Male Pin Headers, Terminals
Multi Head Pins	.012" - .125"	.050" - 1.50"		Male Pin Headers, Terminals
Shoulder / Collar Pins	.012 - .0187"	.050" - 2.00"		Male Pin Headers, Terminals
Threaded Terminal Pins	.040" - .250"	.350" - 2.00"	Cut & formed threads-burr free	Headers, Terminals, Relays
Solder Pot Pins	.040" - .125"	.300" - 1.00"	Burr free side holes, Flatten pierced ends	Circular & Rectangular Connectors, Feed throughs, Relays
Bent Wire/Multi-Bend Pins	.012" - .062"	.125" - 2.00"	Sealing flats, 3 dimensional bends, Production EDM features, Flatten ends	Semiconductor Diodes
Hooks	.018" - .125"	.250" - 1.00"	Sealing flats	Circular & Rectangular Connectors, Feed-throughs
Eyelets	.030" - .312"	.025" - and up	Square holes, off-center holes	Sensors
Pointed Pins	.025" - .187"	.350" - 1.00"	Controlled point angle, .005" and up radius point. Controlled surface finish	Semiconductor Diodes
Grooved and Knurl Pins	.030" - .125"	.350" - 1.00"	Enhanced pull strength, splines, diamond undercuts	Headers / Terminals / Relays

Quality Systems, Controls, Materials

Standards	ISO9001:2008, ITAR, NIST Traceability	Materials 302 Stainless Steel, 304 Stainless Steel 42-6 Stainless Steel 48 Alloy, 52 Alloy ASTM-F30 Copper Copper Core 2:1, 3:1, & Special Ratios Inconel X750 Kovar ASTM-F15 Molybdenum Nickel – Pure, Nickel Iron Alloys Niobium Platinum/Iridium RA330-04 Silver
Material Control	DFARS, RoHS, AMS	
Dimensioning & Tolerancing	AOI, RAM Optical Metrology, Micrometers, Optical Comparators, Drop Gages, Pin Gages, Vernier, 100% Inspection Capabilities	

SussexWire
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www.sussexwire.com

4 Danforth Drive
Easton, PA 18045 USA

Tel: 610-250-7750 Fax: 610-250-8875

Email: info@sussexwire.com

