

MILL-MAX Spring Loaded Connectors and Contacts



RoHS Compliant This product is RoHS compliant.

.100" SPRING LOADED SURFACE MOUNT CONNECTORS

Features:

- Modular contacts for use on .100" grid, available in lengths from .137" to .430", available in single and double row contact strips
- Precision machined piston/base and gold plated components assure a 1,000,000 min. cycle life
- Pistons have a long stroke relative to the low profile of the assembly
- Low resistance, high current contacts are rated at 2 Amps continuous, 3 Amps peak
- High temperature thermoplastic insulators are suitable for surface mount processes
- A typical application would be as the base unit (battery/charger) interface for portable equipment such as mobile phones/radios
- RoHS Compliant per Mill-Max documentation

Mechanical Specifications:

- Spring Force @ initial height (A) 25 grams
- Spring Force @ mid stroke (B/2) 60 grams
- Spring Force @ full stroke (B) 95 grams

Materials:

- Contact Piston & Base: Machined copper alloy plated 20µ" gold
- Spring: Beryllium copper plated 10µ" gold
- Insulator: High temp. thermoplastic rated UL94 V-0

Electrical Specifications:

- Voltage Rating: 100Vrms/150Vdc
- Current Rating: 2A (continuous), 3A (peak) per contact
- Contact Resistance: 20mΩ max.
- Insulation Resistance: 10,000MΩ max.
- Dielectric Strength: 700Vrms min.
- Capacitance: 1pF max.



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For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Contact	Dimensions: in.		Price Each		
				Initial Ht. A	Stroke B	1	5	10
Single Row								
575-64-30-000	811-22-064-30-000101	A	64	.137	.039	23.58	23.00	21.82
575-64-30-001	811-22-064-30-001101	A	64	.177	.055	23.05	22.48	21.32
575-64-30-002	811-22-064-30-002101	A	64	.197	.055	23.12	22.55	21.38
575-64-30-003	811-22-064-30-003101	A	64	.217	.055	23.19	22.61	21.44
575-64-30-004	811-22-064-30-004101	A	64	.236	.055	23.56	22.97	21.78
575-064100	821-22-064-10-000101	B	64	.137	.039	28.88	26.14	24.75
575-064101	821-22-064-10-001101	B	64	.177	.055	25.38	22.96	21.76
575-064102	821-22-064-10-002101	B	64	.197	.055	25.40	22.98	21.78
575-064103	821-22-064-10-003101	B	64	.217	.055	25.51	23.08	21.86
575-064104	821-22-064-10-004101	B	64	.236	.055	25.91	23.44	22.20
Double Row								
575-72-30-000	813-22-072-30-000101	C	72	.137	.039	26.23	25.57	24.26
575-72-30-001	813-22-072-30-001101	C	72	.177	.055	25.63	24.99	23.70
575-72-30-002	813-22-072-30-002101	C	72	.197	.055	25.71	25.06	23.78
575-72-30-003	813-22-072-30-003101	C	72	.217	.055	25.79	25.14	23.85
575-72-30-004	813-22-072-30-004101	C	72	.236	.055	26.20	25.55	24.23
575-072100	823-22-072-10-000101	D	72	.137	.039	32.18	29.12	27.58
575-072101	823-22-072-10-001101	D	72	.177	.055	40.35	33.62	26.89
575-072102	823-22-072-10-002101	D	72	.197	.055	28.26	25.56	24.23
575-072103	823-22-072-10-003101	D	72	.217	.055	28.38	25.67	24.33
575-072104	823-22-072-10-004101	D	72	.236	.055	28.83	26.08	24.71

DISCRETE SPRING LOADED CONTACTS

Specifications:

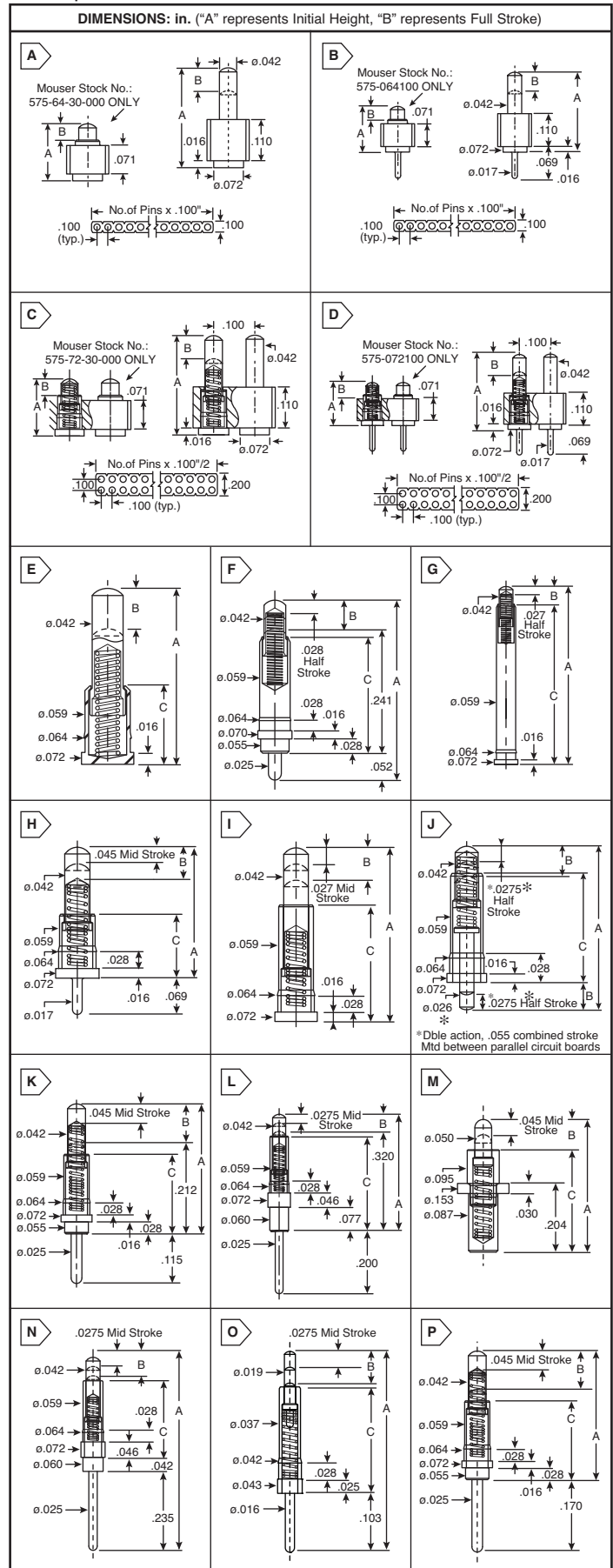
- Sleeve & Plunger Material: Copper Alloy
- Sleeve & Plunger Finish: 20µ" Gold over Nickel
- Spring Material: Beryllium Copper
- Spring Finish: 10µ" gold over nickel
- RoHS Compliant per Mill-Max documentation



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For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Mill-Max Part No.	Fig.	Dimensions: in.			Price Each			
			A	B	C	1	10	100	200
575-900011	0900-0-00-00-00-00-11-0	E	.137	.039	.098	.47	.40	.34	.30
575-090011	0900-1-00-00-00-00-11-0	E	.177	.055	.106	.46	.39	.33	.29
575-900211	0900-2-00-00-00-00-11-0	E	.197	.055	.106	.46	.39	.33	.29
575-900311	0900-3-00-00-00-00-11-0	E	.217	.055	.106	.46	.40	.33	.29
575-900411	0900-4-00-00-00-00-11-0	E	.236	.055	.106	.47	.41	.34	.30
575-901011	0901-0-00-00-00-00-11-0	F	.348	.055	.226	.59	.51	.42	.37
575-905011	0905-0-00-00-00-00-11-0	G	.638	.055	.638	1.05	.90	.75	.68
575-906015	0906-0-15-20-76-14-11-0	H	.137	.039	.098	.58	.49	.41	.37
575-906115	0906-1-15-20-75-14-11-0	H	.177	.055	.106	.49	.41	.35	.31
575-906215	0906-2-15-20-75-14-11-0	H	.197	.055	.106	.49	.41	.35	.31
575-906315	0906-3-15-20-75-14-11-0	H	.217	.055	.106	.49	.42	.35	.31
575-906415	0906-4-15-20-75-14-11-0	H	.236	.055	.106	.50	.42	.36	.32
575-907011	0907-0-15-20-75-14-11-0	I	.255	.055	.198	.54	.45	.38	.34
575-907111	0907-1-15-20-75-14-11-0	I	.275	.055	.198	.54	.45	.38	.34
575-907211	0907-2-15-20-75-14-11-0	I	.295	.055	.198	.55	.46	.39	.35
575-907311	0907-3-15-20-75-14-11-0	I	.315	.055	.198	.57	.48	.40	.36
575-907411	0907-4-15-20-75-14-11-0	I	.335	.055	.198	.72	.61	.51	.46
575-907511	0907-5-15-20-75-14-11-0	I	.350	.055	.198	.73	.62	.52	.47
575-907611	0907-6-15-20-75-14-11-0	I	.370	.055	.198	.74	.57	.52	.47
575-907711	0907-7-15-20-75-14-11-0	I	.390	.055	.198	.74	.62	.52	.47
575-907811	0907-8-15-20-75-14-11-0	I	.410	.055	.198	.75	.63	.53	.48
575-907911	0907-9-15-20-75-14-11-0	I	.430	.055	.198	.75	.63	.53	.48
575-980011	0980-0-15-20-75-14-11-0	J	.298	.050	.198	.80	.68	.56	.51
575-914015	0914-0-15-20-77-14-11-0	K	.302	.090	.185	.73	.61	.51	.47
575-922015	0922-0-15-20-75-14-11-0	L	.375	.055	.305	.80	.69	.57	.52
575-850152	0850-0-15-20-83-14-11-0	M	.395	.090	.304	1.64	1.13	.91	.85
575-929152	0929-0-15-20-75-14-11-0	N	.575	.055	.228	.88	.78	.64	.59
575-950152	0950-0-15-20-71-14-11-0	O	.351	.055	.186	1.13	1.01	.83	.75
575-932152	0932-0-15-20-77-14-11-0	P	.472	.090	.185	.69	.61	.50	.45



Sockets

Mill-Max