

Spring finger contacts are used for grounding and dynamic connections on electronic assemblies.

These spring finger contacts (SMT) are designed to withstand tens of thousands of compression cycles. They are widely used for connections on automotive projects for example. These spring finger contacts are delivered in reel for automatic SMT assembly.

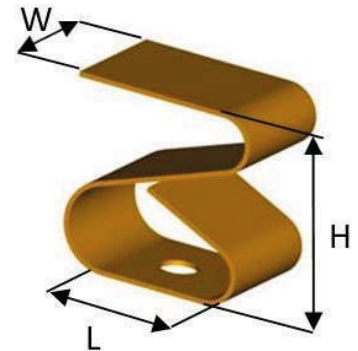
We provide compression rates and associated forces for each spring finger contact on request. Recommended compression is 20% to 40% of the overall contact height.

Spring finger contacts (SMT) can be standard (see our catalog below) or tailor-made.



PRODUCT SPECIFICATIONS

PROPERTY	VALUE TOLERANCE
Thickness	0,08 mm
Width	2,00 mm \pm 0,2
Length	3,00 mm \pm 0,2
Height	3,10 mm \pm 0,2
Basic material	Copper beryllium (CuBe)
Plating	Barrier layer NI Outer layer AU
	1 μ m - 2 μ m μ m - μ m

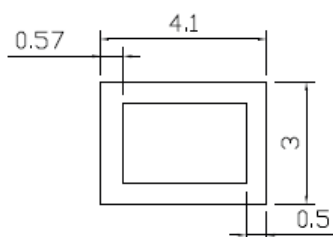


DIMENSIONS (mm)

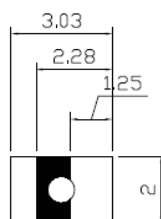


RECOMMENDED RESERVED AREA & PAD FOR THE PCB (mm)

RECOMMENDED RESERVED AREA ON THE PCB (mm)



RECOMMENDED PAD FOR THE PCB (mm)



DISCLAIMER

This is only a recommendation based on information available to COMPELMA at the time of printing. Actual land pattern can be significantly different due to various materials and processes used in PCB assembly. COMPELMA makes no representation or warranty of performance based on the recommended land pattern.

BUILDING AN ITEM NUMBER

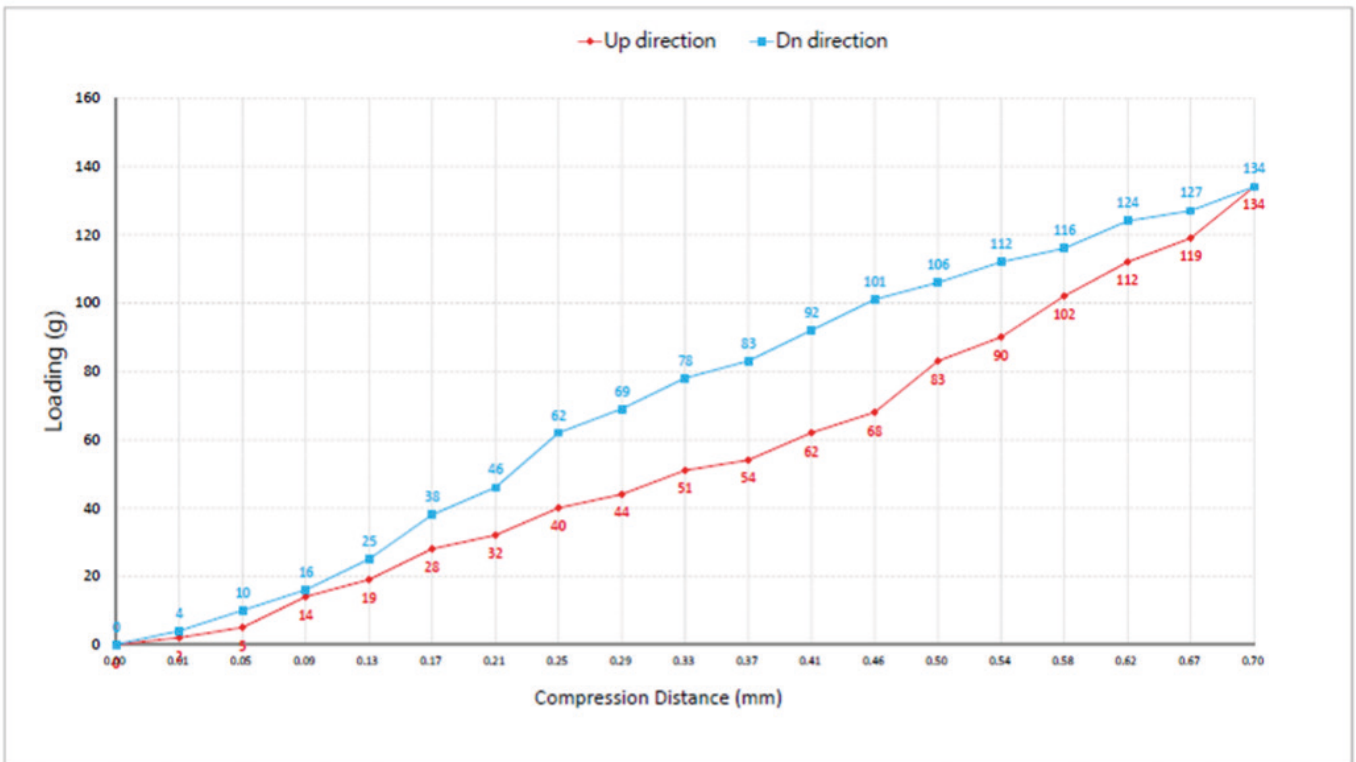
OTG 20 30 031

① ② ③ ④

- ① Contact Spring
- ② Width (ex : 1,5mm = 15)
- ③ Length (ex : 2,5mm = 15)
- ④ Height (ex : 85mm = 085)

Standard material is CuBe with gold plating.
For stainless material instead of CuBe material : add -S at the end of the reference.
For tin plating instead of gold plating : add -T at the end of the reference.

FORCE DEFLECTION DIAGRAM*



Total Compression Distance(mm)	0.70	
	Down direction	UP direction
Displacement (mm)		
0.00	0	0
0.01	4	2
0.05	10	5
0.09	16	14
0.13	25	19
0.17	38	28
0.21	46	32
0.25	62	40
0.29	69	44
0.33	78	51
0.37	83	54
0.41	92	62
0.46	101	68
0.50	106	83
0.54	112	90
0.58	116	102
0.62	124	112
0.67	127	119
0.70	134	134

NOTE

*Only valid for gold plated version