SMT CONTACT SPRINGS OTG2040037



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

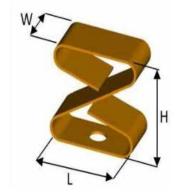
These spring finger contacts (SMT) are designed to withstand tens of thousands of compression cycles. They are widely used for connections on automotive projects for example. These spring finger contacts are delivered in reel for automatic SMT assembly.

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.

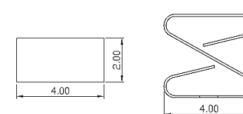
Spring finger contacts (SMT) can be standard (see our catalog below) or tailor-made.

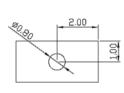
PRODUCT SPECIFICATIONS

PROPERTY		VALUE TOLERANCE	
Thickness		0,01 mm	
Width		2,00 mm <u>+</u> 0,2	
Length		4,00 mm <u>+</u> 0,2	
Height		3,70 mm <u>+</u> 0,2	
Basic material		Copper berylluim (CuBe)	
Plating	Barrier layer NI Outer layer AU	1μm - 2μm 0.025μm - 0.075μm	



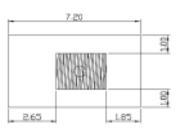
DIMENSIONS (mm)

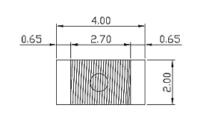




RECOMMENDED RESERVED AREA & PAD FOR THE PCB (mm)

RECOMMENDED RESERVED AREA ON THE PCB (mm)

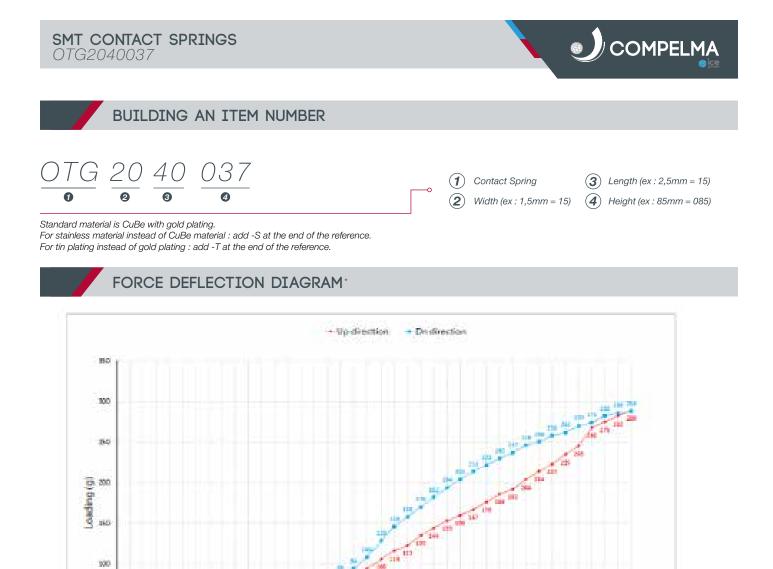




RECOMMENDED PAD FOR THE PCB (mm)

----- 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.



Compression Distance (mm)

Completion Distonce(Initi)	1,89	
piposener()mi)	Loading lorge (z) Down cheer for	Leading losseligi
660		-0
900		
0.54	2.24	10
- 650		1
0.14		1
- 2008	1.0	
020		
0.04		
0.24	20	100
0.32	36	24
0.26	47	33
0.40	45	
2.244	14	
12.45	625	
6.22		. 45
254	34	
200	78	
- 244	1.6	
0.68	- 14	77
672	1580	
D76	125	104

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þ.

to Compression Distance(min)	1,62	
Disploisement (mini)	Loading forcellati David struction	Enabling force(c)
0.60	145	13
0.64	154	100
0.86	125	1.54
0.92	182	
2.64	11.4	100
1,00	2.4	
1.04	214	1.67
1.08	1210	ID
1.12	110	1.0
1.17	117	1.0
121	044	204
1.25	220	
1.27	254	- 27
1.22		20 20 20 20
1.27	270 274	2.4
[.a] [.a5]	- 374	1.0
1.47	184	36
1:59	254	28

NOTE *Only valid for gold plated version