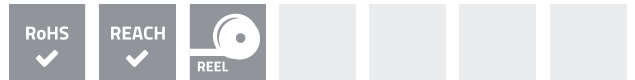


SMD contact springs are ideal for automatic assembly on printed circuit boards. They are soldered by the standard reflow-soldering process.

The standard basic material used for SMD contact springs is copper beryllium (CuBe). However, other materials can also be supplied.

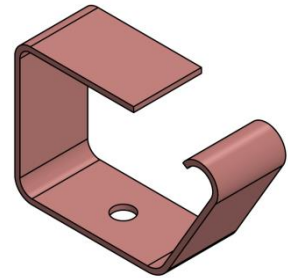
As standard, SMD springs are gold-plated (AU). They can be supplied in a wide range of dimensions and shapes.

- Ideal for automatic assembly
- Standard basic material: CuBe
- Standard plating: AU
- Available in different dimensions and types
- Almost unlimited working life

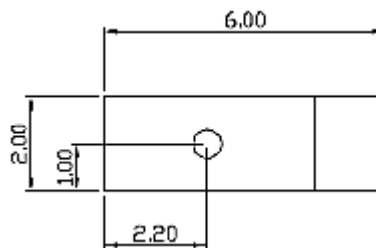
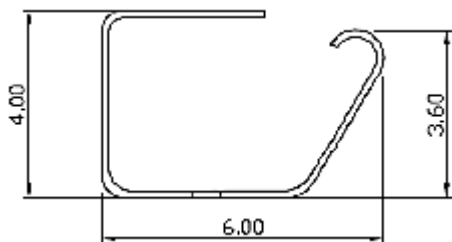


PRODUCT SPECIFICATIONS

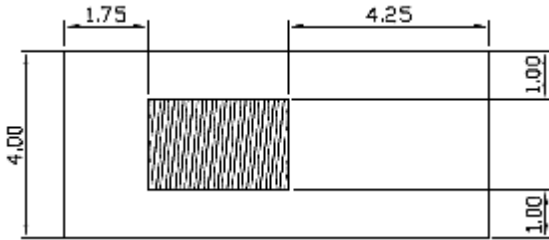
PROPERTY		VALUE / TOLERANCE
Thickness		0,15 mm
Width		2,00 mm ± 0,1
Length		6,00 mm ± 0,2
Height		4,00 mm ± 0,2
Basic material		Copper beryllium (CuBe)
Plating	Barrier layer NI Outer layer AU	1µm – 2µm 0,025µm – 0,075µm



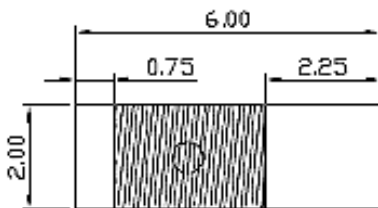
DIMENSIONS (mm)



RECOMMENDED RESERVED AREA ON THE PCB (mm)



RECOMMENDED PAD FOR THE PCB (mm)



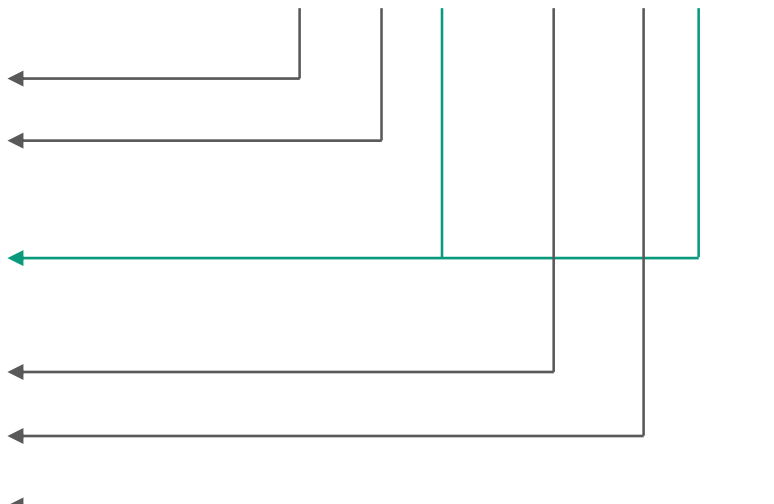
DISCLAIMER

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

BUILDING AN ITEM NUMBER

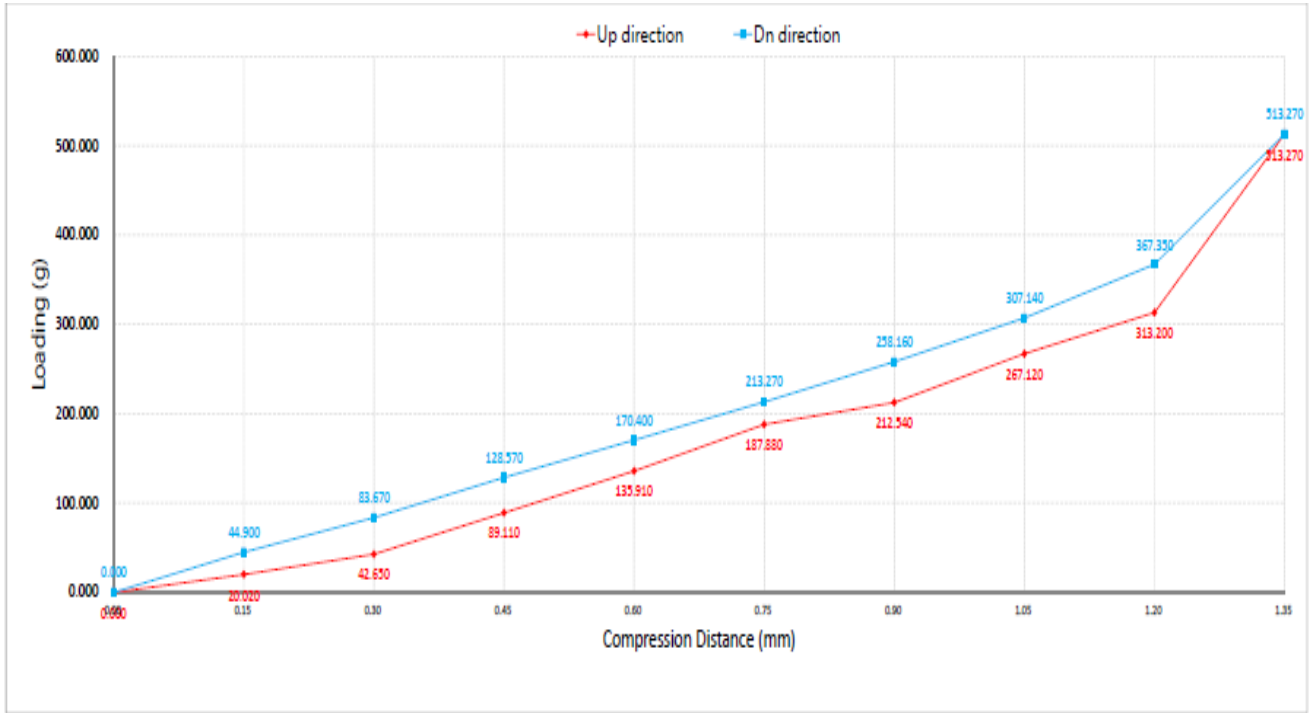
FCB-22CX2060040BY-YY-SMD

Contact Spring	
Type number	
G/AU	Gold-plated
S/SN	Tin-plated
A/AG	Silver-plated
Dimensions	
Copper beryllium	
SMD type	



Standard options

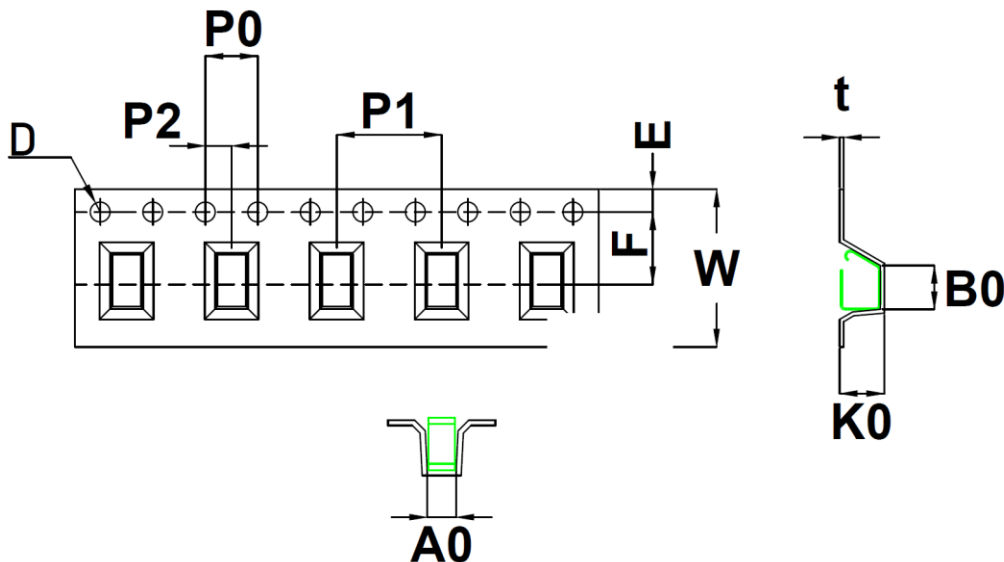
FORCE DEFLECTION DIAGRAM*



Total Compression Distance(mm)	1.35	
Displacement (mm)	Loading force(g) Down direction	Loading force(g) UP direction
0.000	0.000	0.000
0.150	44.900	20.020
0.300	83.670	42.650
0.450	128.570	89.110
0.600	170.400	135.910
0.750	213.270	187.880
0.900	258.160	212.540
1.050	307.140	267.120
1.200	367.350	313.200
1.350	513.270	513.270

NOTE | * Only valid for gold-plated version

PACKING SPECIFICATION – TAPE AND REEL (mm)



	W	A ₀	B ₀	K ₀	P ₁	F	E	D	P ₀	P ₂	T
	16,00	2,20	4,55	4,30	8,00	7,50	1,75	∅ 1,50	4,00	2,00	0,40
Tolerance	± 0,30	± 0,10	± 0,10	± 0,10	± 0,10	± 0,05	± 0,10	+ 0,10 - 0,00	± 0,10	± 0,10	± 0,05

- 10 sprocket hole pitch cumulative tolerance ± 0,20 mm.
- Carrier camber not to exceed 1 mm in 100 mm.
- A₀ and B₀ measured on a plane 0,3 mm above the bottom of the pocket.
- K₀ measured from a plane on the inside bottom of the pocket to the top surface of the carrier.
- All dimensions meet EIA-481-B requirements.
- Material: Black conductive polystyrene
- Component load per 13" reel: 2.000 pcs.

Modifications and errors excepted. The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verifications and testings to determine the suitability for their own particular purpose of any information or products referred to herein.