SMD CONTACT SPRINGS
FCB-03CX2032015B-YY-SMD

3D VIEW

RECOMMENDED RESERVED AREA ON THE PCB (mm)

DIMENSIONS (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.

Property | Value | Tolerance
--- | --- | ---
Thickness | 0.08 mm | --
Width | 2.00 mm | ± 0.2 mm
Length | 3.20 mm | ± 0.2 mm
Height | 1.50 mm | ± 0.2 mm
Material | Copper Beryllium (CuBe)
Plating AU | Barrier layer NI 1µm – 2µm
| Outer layer AU 0.025µm – 0.075µm

3D VIEW

RECOMMENDED RESERVED AREA ON THE PCB (mm)

DIMENSIONS (mm)

RECOMMENDED PAD FOR THE PCB (mm)
### PACKING SPECIFICATION – TAPE AND REEL (mm)

- 10 sprocket hole pitch cumulative tolerance ± 0,20 mm.
- Carrier camber not to exceed 1 mm in 250 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-C requirements.
- Material: Clear non anti-static polystyrene.
- Packing length per 22” reel: 110,0 meters.
- Component load per 7” reel: 2,500 pcs.

<table>
<thead>
<tr>
<th></th>
<th>W</th>
<th>A₀</th>
<th>B₀</th>
<th>K₀</th>
<th>P</th>
<th>F</th>
<th>E</th>
<th>D</th>
<th>P₀</th>
<th>P₂</th>
<th>t</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12,00</td>
<td>2,10</td>
<td>3,40</td>
<td>1,70</td>
<td>4,00</td>
<td>5,50</td>
<td>1,75</td>
<td>Ø 1,50</td>
<td>4,00</td>
<td>2,00</td>
<td>0,30</td>
</tr>
<tr>
<td>Tolerance</td>
<td>± 0,30</td>
<td>± 0,10</td>
<td>± 0,10</td>
<td>± 0,10</td>
<td>± 0,10</td>
<td>± 0,10</td>
<td>± 0,10</td>
<td>± 0,10</td>
<td>± 0,10</td>
<td>± 0,10</td>
<td>± 0,05</td>
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</table>
FORCE DEFLECTION DIAGRAM *

<table>
<thead>
<tr>
<th>Total Compression Distance (mm)</th>
<th>0.40</th>
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</thead>
<tbody>
<tr>
<td>Displacement (mm)</td>
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<tr>
<td></td>
<td>0.00</td>
</tr>
<tr>
<td>Loading force (g)</td>
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</tr>
<tr>
<td>Down direction</td>
<td>0</td>
</tr>
<tr>
<td>Loading force (g)</td>
<td></td>
</tr>
<tr>
<td>Up direction</td>
<td>0</td>
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</table>

* Only valid for gold-plated version
SMD CONTACT SPRINGS
FCB-03CX2032015B-YY-SMD

BUILDING AN ITEM NUMBER

FCB-03CX2032015B-YY-SMD

Contact spring
Type number
Dimensions
Copper-beryllium

SMD type

Standard options

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>G/AU</td>
<td>Gold-plated (Standard)</td>
</tr>
<tr>
<td>S/SN</td>
<td>Tin-plated</td>
</tr>
<tr>
<td>A/AG</td>
<td>Silver-plated</td>
</tr>
</tbody>
</table>