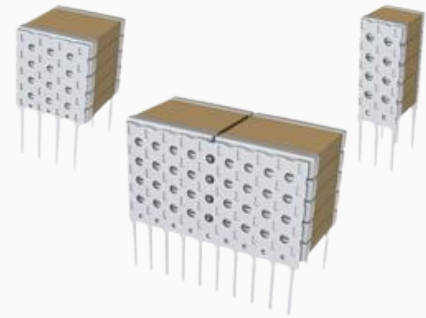


# LEAD FRAMES

## for Multilayer Ceramic Capacitors

SURON produces custom MLCC lead frames, in a variety of sizes and shapes, according to our customers' requirements, by in-house photochemical etching, followed by plating, to provide the perfect electrical connection of the capacitor to the circuitry.



2023



**SURON**  
Precision Solutions

# LEAD FRAMES

## for Multilayer Ceramic Capacitors

### SURON MLCC Lead Frames Properties

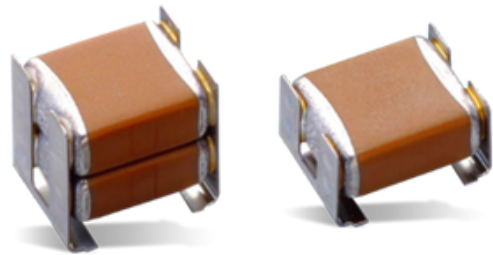
<b>Materials</b>	Cu-ETP, Cu-OFHC, CuBe2, Cu-Fe (C194), Cu-Ni (Alloy 770)
<b>Typical thickness</b>	0.13mm [.005"]

SURON's photo-etching technology allows for cost effective tooling, and short setup times, and provides lead frames with burr-free edges and no residual stress.

If required, SURON also offers in-house solutions for precision bending, as well as plating.

SURON's MLCC lead frames are used for long term reliability.

An optimal combination of lead geometrical properties and plating provides perfect electrical connectivity and protection for the ceramic capacitors, both during the SMT assembly and thereafter, for the duration of the operational lifetime.



### SURON's Manufacturing Advantages

<b>PCM Technology</b>	Free from burrs and residual stress Half etched areas, upon request Breaking lines - easy lead separation from the strip
<b>Electroplating</b>	Sn, SnPb (electrolytic/hot dip), Ag, Ni/Pd/Au (Selective areas are possible)

**SURON's in-house technologies allow us to provide rapid prototyping, scalable manufacturing, and burr-free lead frames**

