

# PCB Filters Reflow Process Compatibility for Lead (Pb)-Free and RoHS Compliant



Trans-Tech, a subsidiary of Skyworks Solutions, Inc. has designated its RoHS-compliant—(including lead (Pb)-free—components as those that have an “E” suffix part number. The table below shows reflow soldering process recommendations for both non-RoHS (non-“E”) and RoHS-compliant (“E”) parts.

Reflow Profile Feature	Non-RoHS (SnPb)	RoHS Compliant, Lead (Pb)-Free, “E”
Solder reflow profile (unless otherwise stated)	Reference solder paste manufacturer’s recommendations and your component and design requirements	Reference solder paste manufacturer’s recommendations and your component and design requirements
Maximum ramp-up rate	3 °C/sec	3 °C/sec
Maximum time above liquidous	60–90 seconds	60–90 seconds
Maximum reflow temperature	220 °C	260 °C
Maximum time above	Max time above 200 °C = 30 seconds	Max time above 240 °C = 30 seconds
Maximum ramp-down rate	3 °C/sec	3 °C/sec
Termination	Au	Au

RoHS-compliant components are also compatible with non-RoHS (SN/Pb) reflow processes.

## General Information

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