

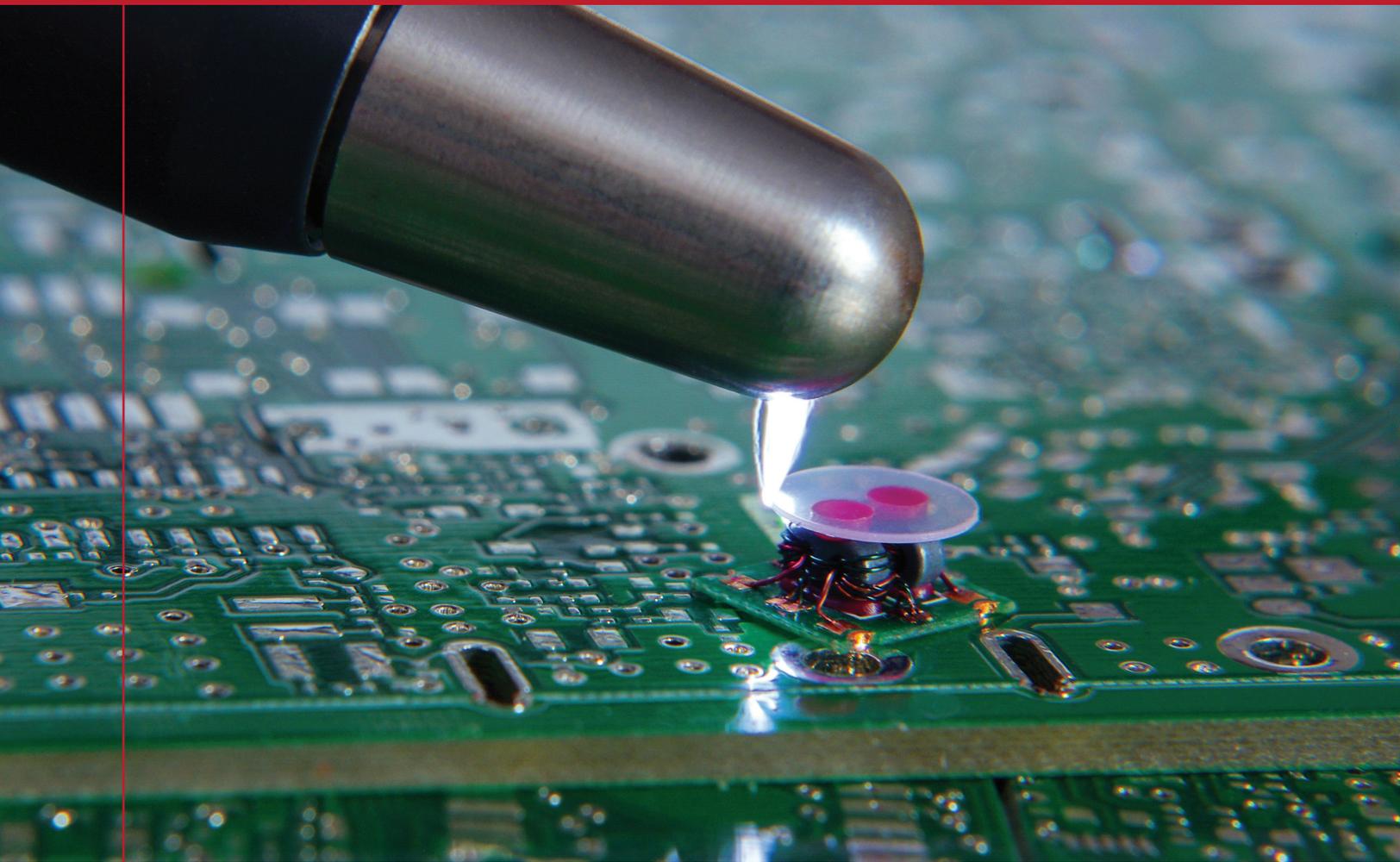
ESD-SAFE LABELS AND TAGS



POLYONICS[®]

Personal Chemistry

**PROTECTION FOR YOUR
ESD SENSITIVE COMPONENTS**



The Polyonics® family of ESD-Safe polyimide and polyester label materials are designed to help protect your most sensitive devices from electrostatic charges arising from both human contact (HBM) and charged devices (CDM). They provide durable static dissipative top surfaces and feature low charging pressure sensitive adhesives (PSA) and liners that generate less than 125 volts with liner removal and again when removed and repositioned.

Our Polyonics ESD-Safe asset tags are designed for tracking circuit boards and sub-assemblies throughout the workflow process. The polyester tags have static dissipative coatings on both sides, providing high levels of protection. The asset tags meet ANSI/ESD S20.20 and are static dissipative per ANSI/ESD S541.

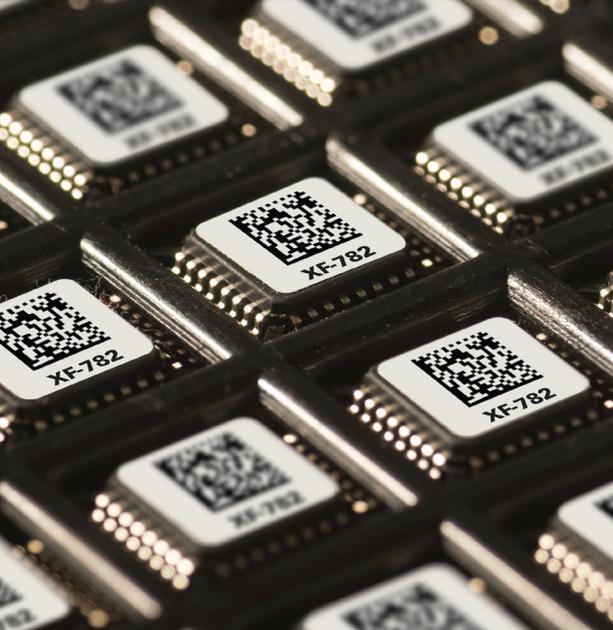
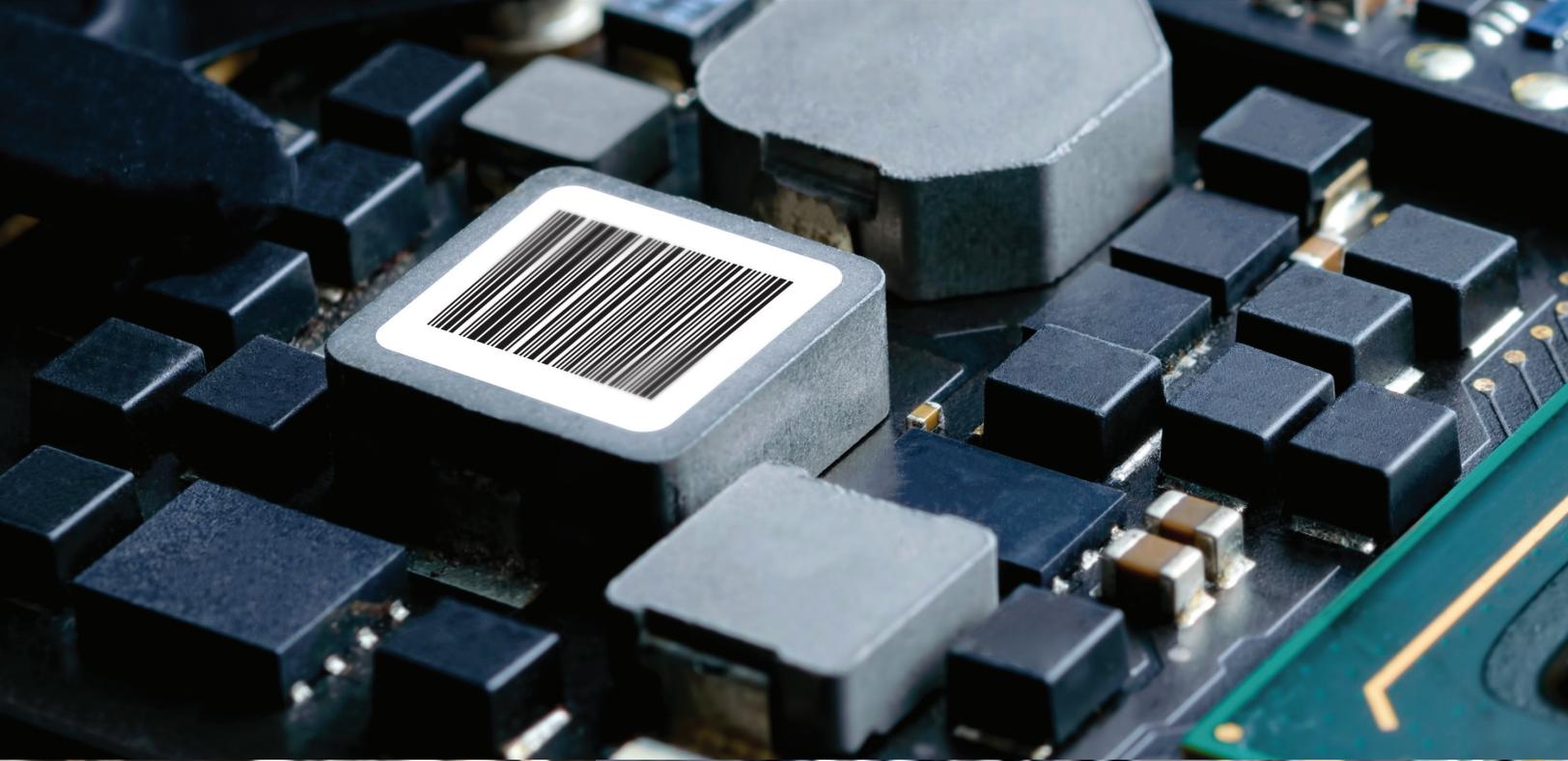
FEATURES AND BENEFITS

- ANSI/ESD S20.20, ESD S541, IEC 61340 and JEDEC JESD 625B compliant
- Surface resistance of $\geq 10^4$ and $\leq 10^{11}$ Ohms
- Low charging PSA and liners, ranging from < 50 volts to < 125 volts
- High and low temperature dimensional stability
- Chemical resistance
- Halogen free
- REACH and RoHS compliant
- UL969 recognized



APPLICATIONS

- ESD-Safe identification, masking and tracking of static sensitive devices
- Asset tracking
- ESD packaging
- Warranty labeling



POLYONICS ESD-SAFE LABEL AND TAG PRODUCT LINE

Film	Product	Finish	Adhesive	Static Dissipative	Low Charging	Temperature	Reach and RoHS Compliant	UL 969 Recognized
1 mil (25 µm) Polyimide	XF-781	Semi-gloss white	1 mil (25 µm) Acrylic	✓	✓	100 hrs at 302 °F (150°C)	✓	✓
	XF-784	Matte White	1 mil (25 µm) Acrylic	✓	✓	5 min at 500 °F (260 °C)	✓	✓
2 mil (50 µm) Polyimide	XF-782	Semi-gloss white	2 mil (50 µm) Acrylic	✓	✓	90 sec at 572 °F (300 °C)	✓	✓
2 mil (50 µm) Polyester	XF-446	Gloss White	1 mil (25 µm) Acrylic	✓	✓	100 hrs at 302 °F (150°C) <i>Operating:</i> -40 to 400 °F (-40 to 204 °C)	✓	✓
5 mil (125 µm) Polyester	XF-791	Semi-gloss white	N/A	✓	✓	32 to 125 °F (0 to 52 °C)	✓	
	XF-792	Semi-gloss yellow		✓	✓		✓	
	XF-793	Semi-gloss orange		✓	✓		✓	

** Recommended thermal transfer ribbons included on technical data sheets.

For additional technical information, please contact us at **603.352.1415** or **info@polyonics.com**

April 2019



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