PCB LABELS:
PROPERTIES YOU NEED FOR YOUR PROCESS

PROPERTIES

HIGH TEMPERATURE RESISTANCE

- Needed for pre-process labeling
- Labels need to survive temperatures as high as **300°C (572°F)**

ELECTROSTATIC DISCHARGE

Labels can create a static discharge that can ruin PCB components.

A high performance ESD label should **INCLUDE:**

- ANSI Grade A topcoat designed to dissipate a static charge.
- Adhesive with a short static decay time.

PROCESSES

INLINE AND BATCH WASH SYSTEMS

Wash processes attack a label in many different ways.

The label topcoat and adhesive **MUST PROTECT AGAINST:**

ABRASION | CHEMICALS | PRESSURE | HEAT

AUTO-APPLY COMPATIBLE

Label rigidity designed to lay flat to maximize performance in automation equipment or applications.

BARCODING

BENEFITS:

- Data rich
- Consistency
- Omnidirectional
- Error correction
- Small
- Good contrast

TRACEABILITY

BENEFITS:

- Reduce labor
- Reduce material waste
- Improve asset utilization
- Improve reliability
- Reduce rework
- Reduce product recall
- Reduce cost of warranty
- Improve root cause analysis

LABELING VS. DIRECT PRODUCT MARKING

Labels are the most flexible way to maintain traceability in manufacturing.

LABELING:

- Low capital investment
- Cost efficient
- Easy to read
- No additional cleaning

LASER:

- High capital investment
- Marking errors increase scrap rate