



Solder plus Support

# CASE STUDY

## AIM's H10 REL61 Supports Cost-Reduction Conversion From SAC305 Paste

### PROBLEM

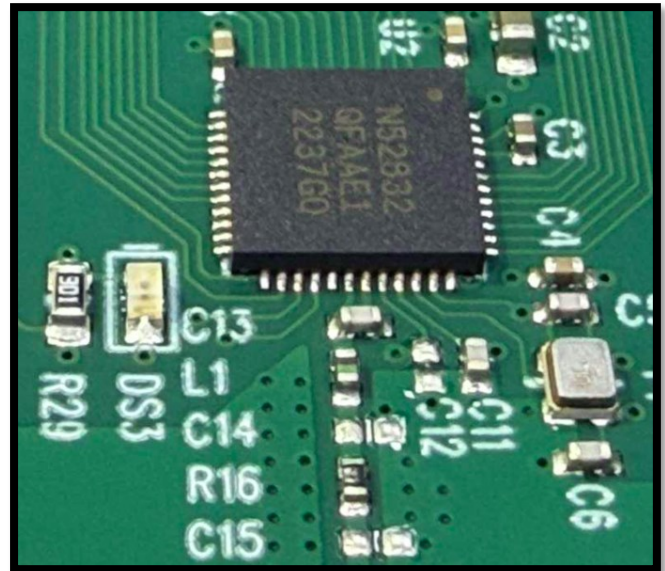
A consumer electronics manufacturer wanted to convert as many assemblies as possible from SAC305 to REL61 as part of a cost-reduction initiative. The application included a single-sided FR4 board with ENIG pad finish, 0201 components, and 8 mil (0.20 mm) fine-pitch features, requiring stable print and reflow performance.

### SOLUTION

AIM supplied H10 REL61, T4 solder paste for evaluation against the existing SAC305 solder paste. The evaluation used the customer's established SMT process and focused on confirming whether H10 REL61 could maintain production performance while supporting the customer's alloy conversion and cost-reduction strategy.

### RESULTS

The evaluation units were processed successfully, and no issues were observed during reflow. H10 REL61 was rated better overall compared to the existing SAC305 product, and the evaluation was resolved to the customer's satisfaction.



### PRODUCTS/SERVICES USED

- ▶ [REL61 Cost Saving SAC305 Alternative](#)
- ▶ [H10 Halogen Free No Clean Solder Paste](#)
- ▶ [AIM Solder Technical Support](#)

### SUCCESS METRICS

- ▶ Successful evaluation with no issues observed
- ▶ Supported conversion from SAC305 to REL61
- ▶ Cost savings

### LEARN MORE

Learn more about the cost saving and performance benefits of REL61 from AIM experts:

- ▶ [AIM's REL61 Solder Alloy](#)
- ▶ [Beat the Silver Cost Surge](#)