

# HITEC Corporation Test Summary

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This document summarizes the data collected during the testing of Fancort Industries supplied sample PC Boards during depaneling. The data in this report summarizes the results, but does not draw any conclusions regarding performance of the components tested.

Test requested by: Ronald J. Corey

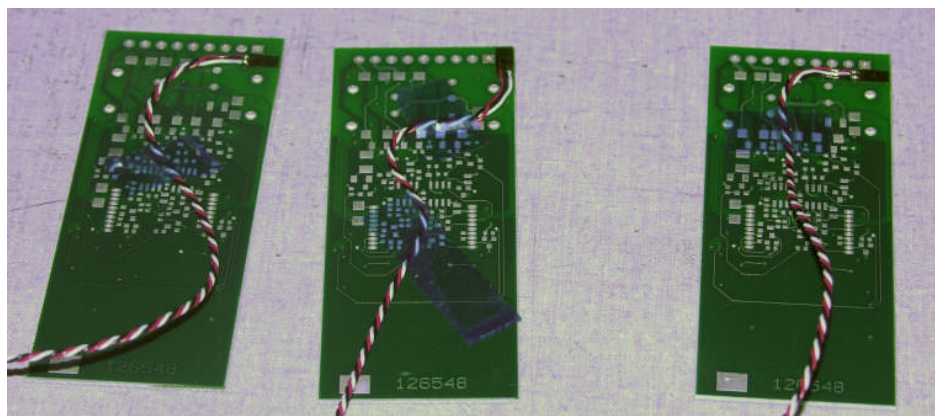
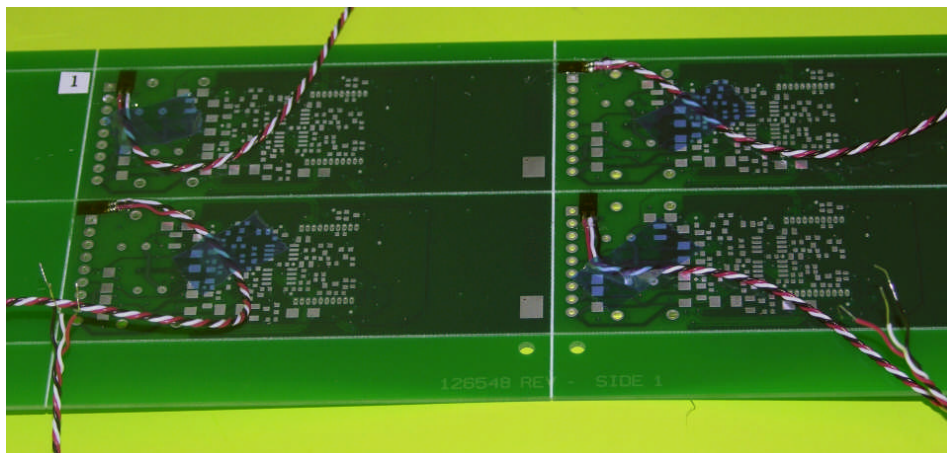
Item tested: Panel composed of an array containing four (4) PC Boards

Quantity tested: 2 Panels –Two panels were tested successfully.

## Strain Gage Installation:

Strain gage: EA-06-062AQ-350 uniaxial strain gage

Leadwire: #32 AWG, Three Conductor Twisted Vinyl Insulated for Strain Gages



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**Test Parameters:**

Test specification: Strain gages installed to measure strain during depaneling.

Depaneller: Fancort Industries VDP5-330

Data acquisition system: Vishay 6200

Test Type: Uniaxial strain measurement during depaneling



**Machine Parameters: FILL IN ANY NECESSARY PARAMETERS**

Sampling rate: 10,000 pts/sec

Data channels collected: Strain (data collected from 4 channels simultaneously)

**Summary of Results:**

The following table provides a summary of the test data. The first set of strain values reported in the table are the highest absolute strain values measured during testing. The second set of data is the average strain values measured. The peak values were usually seen when the cut was adjacent to the strain gage and during the remainder of the process the strain levels were significantly lower as indicated by the average strain values.

Panel	Maximum Strain Measured							
	Board #1		Board #2		Board #3		Board #4	
01	-523 ue		-309 ue		461 ue		-428 ue	
02	-284 ue		-288 ue		-396 ue		-507 ue	
Average Strain Measured								
	Board #1		Board #2		Board #3		Board #4	
Average	34 ue	-77 ue	65 ue	-81 ue	106 ue	-117 ue	34 ue	78 ue