

First Article Inspection application

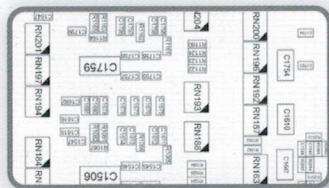
Prototype verification
before starting the
mass production



First Article Inspection is the process of independent verification of the new product to confirm that the specifications and design requirements have been properly implemented before starting a mass production.

ALeader AOI supports this process with its proprietary application, which takes the board image produced by the system and checks it against the BOM and board schematics, part-by-part.

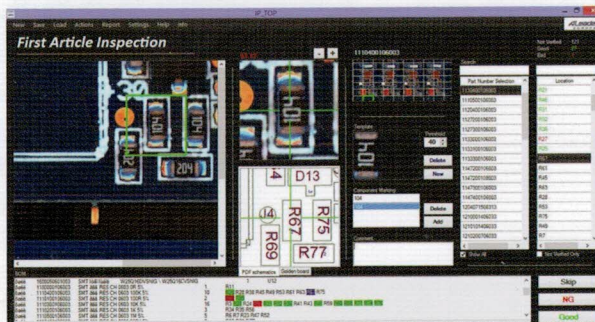
PDF Schematics



BOM



Board Image from
ALeader AOI



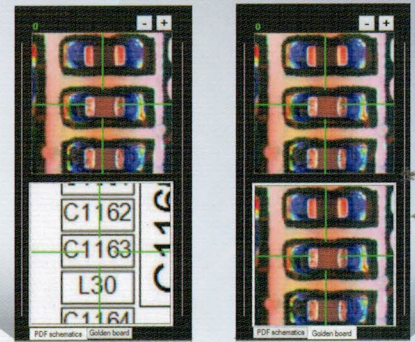
First Article Inspection



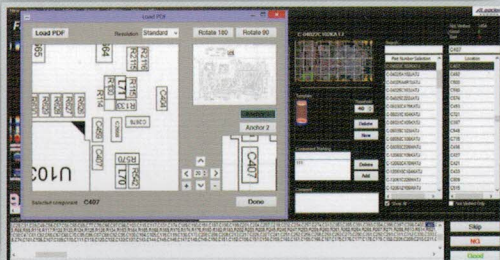
Golden Board
Image (opt.)

Main features

- Offline application, AOI utilization is not affected
- Board verification against BOM, schematics and golden sample
- Easy and fast program creation
- Convenient board views, zoom, search location and PN, sort, view per PN
- Possibility to use part number from CAD and BOM
- Automatic placement verification per Part Number
- Color verification marks in BOM and CAD
- Allowed component marks stored per part number
- Comments per component
- Golden board
- Report generation



Board - Schematics - Golden Board

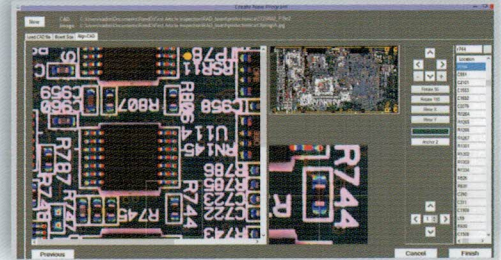


Adding PDF schematics

Created on	2017-09-18
Program Path	C:\First Article Inspection\Test1301C
File	A
Total	1486
Passed	1478
Failed	7

Reference	Designator	CAD Part Number	Marking	Comment
Failed	C1355	C-0402C225MAATJ		Missing component
	C1356	C-0402C225MAATJ		Component not in BOM
	C1405	C-0402C225MAATJ		Missing component
	C1389	C-0402C225MAATJ		Component not in BOM
	C1384	C-0402C225MAATJ		Component not in BOM
	C1354	C-0402C225MAATJ		Component not in BOM
Passed	C1400	C-0402C225MAATJ		
	C1357	C-0402C225MAATJ		
	C1367	C-0402C225MAATJ		

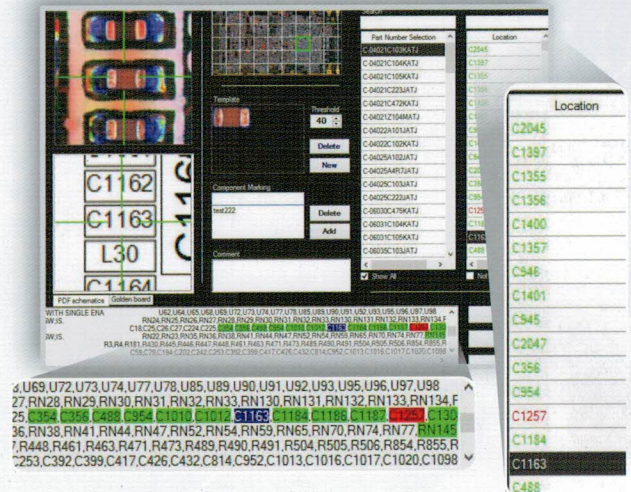
Inspection report



New program creation



Allowed component marks per part number



Color verification marks

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