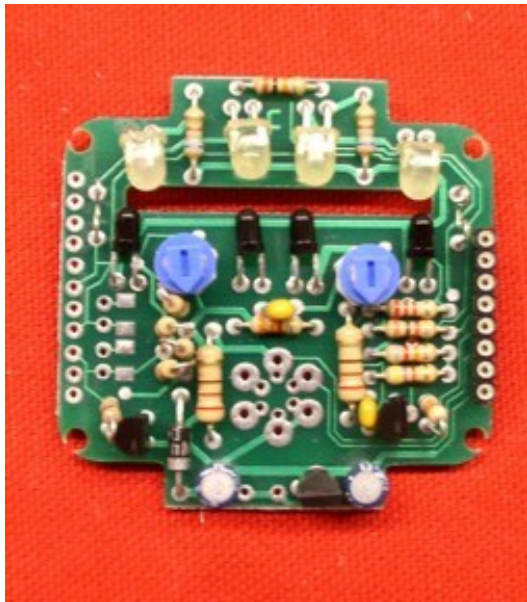


FyrEye-4003 Circuit Board Component Assembly Inspection Systems

The FyrEye-4003 family inspects assembled circuit boards.

The FyrEye-4003 family inspects assembled circuit boards to assure that the correct components are in the correct locations. Other families such as the FyrEye-4001 and FyrEye 4002 inspect individual components, and solder coverage and geometry. The FyrEye 4003 offers benefits of reduced cost with 24/7 operation. The FyrEye-4003 family also reduces the instance of defective products slipping through human inspection, which can happen on high speed production lines. Example inspection functions include verifying:

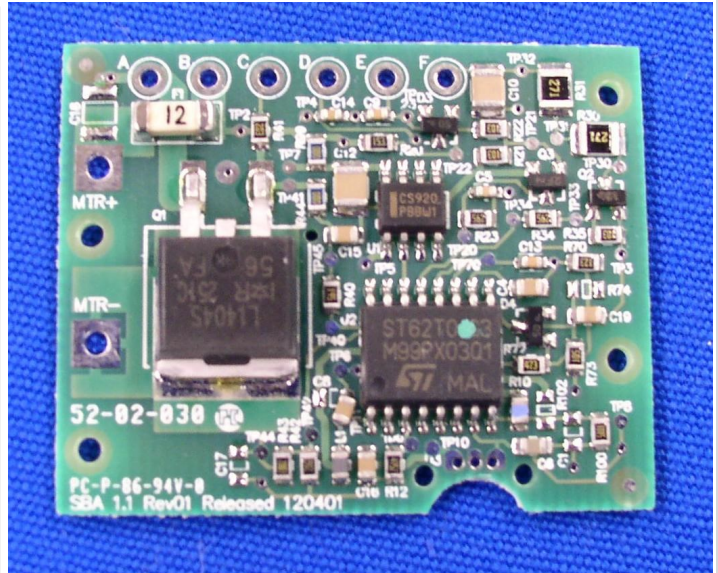
- Presence and correctness of all components
- Quality of soldering
- Component mounting polarity
- Completeness and correctness of mask
- Proper component positioning and orientation/



straightness.

- Color codes and labelling

The FyrEye-4003 is a family of systems, customized to your application and requirements. Your particular model will be from the same family, but will have different



variations in equipment and capabilities. The FyrEye-4003-02 is an example, it includes:

- Style 20 NEMA 1 CVP (Central Vision Processor)
- Fulfills application and performance specification # VAS-4003-02 (copy available). Each application will have its own VAS (Vision Application Spec Sheet).
- Engineered lighting specialized for solution performance.
- High resolution color progressive area scan imaging
- Direct hardware trigger option
- 8 discrete inputs
- 8 discrete outputs

Please contact FSI for a system and solution that is confirmed for your application.

FSI has been a trusted factory automation manufacturer for over 53 years. Our Assured Path to Success™ methods and programs have a 100% success rate in this field of machine vision. Because our engineers are deeply involved in understanding the application, recommending the products, and supporting the software, these systems are uniquely suited for long term supportability and standardization.



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