

FASTON* 110, 187, 205, and 250 Series Connector Terminals, Flag Receptacle Contacts

1. SCOPE

1.1. Content

This specification defines performance, tests, and quality requirements for FASTON* 110, 187, 205, and 250 Series Connector Terminals, Flag Receptacle Contacts. Sizes are to correspond to the mating tab width of .110" [2,8 mm], .187" [4,8 mm], .205" [5,2 mm], and .250" [6,3 mm] per UL 310.

These terminals are suitable for appliance, automotive, computer, consumer goods, industrial controllers, and telecommunications applications.

1.2. Qualification

When tests are performed on the subject product line, procedures specified in Figure 1 shall be used. All inspections shall be performed using the applicable inspection plan and product drawing.

2. APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the latest edition of the document applies. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

2.1. TE Connectivity (TE) Documents

114-2028	FASTON* 110 Series Flag Receptacles with "F-" Crimp Feature Application Specification
114-2032	FASTON* Reversible Flag Receptacles Application Specification
114-2078	FASTON* Flag Receptacles with Tab-Lok Feature Application Specification
114-2079	FASTON* Flag Receptacles with "F-" Crimp Feature Application Specification
114-2126	FASTON* "F-" Crimp Center-Strip Flag Receptacles Application Specification
114-2155	FASTON* 187 Series Flag Receptacles with "C" Crimp Feature Application Specification
114-3133	Crimping 187 Flag FASTON* Receptacle Application Specification
114-5414	Receptacle Flag FASTON* .250" Series Application Specification
114-5447	250 Series Reversible Flag FASTON* Receptacle Application Specification



NOTE

Contact **PRODUCT INFORMATION** at the number at the bottom of page 1 or consult www.te.com for a complete controlled document list.

2.2. Industry Documents

UL 310	Standard for Electrical Quick-Connect Terminals
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3. REQUIREMENTS

3.1. Design and Construction

Product shall be of the design, construction, and physical dimensions specified on the applicable product drawing.

3.2. Materials

Materials used in the construction of this product shall be as specified on the applicable product drawing.

3.3. Ratings

A. Voltage: Rated per UL 310

B. Current: Rated per UL 310

C. Temperature:

1. Brass Contacts (Tin Plated or Unplated): 110°C (maximum)
2. Brass Contacts (Silver Plated): 130°C (maximum)
3. Phosphor Bronze (Tin Plated or Unplated): 110°C (maximum)
4. Phosphor Bronze (Silver Plated): 130°C (maximum)

3.4. Performance and Test Description

Product is designed to meet the electrical, mechanical, and environmental performance requirements specified in Section 3.5. Unless otherwise specified, all tests shall be performed at ambient environmental conditions.

3.5. Test Requirements and Procedures Summary

Test requirements and procedures as defined in UL 310 shall be followed for all testing sequences. The procedures outlined in UL 310 characterize the performance of this product platform. Contacts must be crimped to nominal CMA UL 1015 AWG wire sizes for all tests.

3.6. Product Qualification and Re-Qualification Test Sequence

Test groups and sequences described in UL 310 shall be followed for product qualification and re-qualification.

4. QUALITY ASSURANCE PROVISIONS

4.1. Qualification Testing

A. Specimen Selection

Specimens shall be prepared in accordance with applicable instruction sheets and shall be selected at random from current production.

B. Test Sequence

Qualification inspection shall be verified by testing specimens as specified in Section 3.6

4.2. Re-Qualification Testing

If changes that significantly affecting form, fit, or function are made to the product or manufacturing process, product assurance shall coordinate re-qualification testing consisting of all or part of the original testing sequence as determined by development/product, quality, and reliability engineering.

4.3. Acceptance

Acceptance is based on verification that the product meets the requirements as described by UL 310. Failures attributed to equipment, test setup, or operator deficiencies shall not disqualify the product. If product failure occurs, corrective action shall be taken and specimens re-submitted for qualification. Testing to confirm corrective action is required before re-submittal.

4.4. Quality Conformance Inspection

The applicable quality inspection plan shall specify the sampling acceptable quality level to be used. Dimensional and functional requirements shall be in accordance with the applicable product drawing and this specification.