Mechanical Pull-Out

DESIGN OBJECTIVES

The product described in this document has not been fully tested to insure conformance to the requirements outlined below. Therefore AMP Incorporated makes no representation or warranty, expressed or implied, that the product will comply with these requirements.

Further, AMP Incorporated may change these requirements based on the results of additional testing and evaluation.

Contact AMP Engineering for further details.

Il prodotto descritto in questa specifica non è stato ancora completamente provato per garantirne la conformità ai requisiti indicati nel documento. Perciò l'AMP non può al momento fornire assicurazione sulla conformità del prodotto a questi requisiti.

L'AMP si riserva inoltre la facoltà di modificare i requisiti della specifica sulla base dei risultati di addizionali prove e valutazioni.

Per ulteriori informazioni si prega di contattare l'Ufficio Tecnico.

1. SCOPE

1.1 Content

This specification covers the test procedure for mechanical pull-out strength of FASTIN-FASTON* Receptacle Contact, 6.3 mm sr. P/N 280098-2, from Steel Gage Tab.

1.2 Reference Document

This specification comply with the following documentation:

- Product Specification 108-20020 for FASTIN-FASTON Connectors.
- Gage 92-331630-1 drawing for Steel Gage Tab (see Fig. 2).
- Material Specification 100-834 for Steel Gage Tab.
- Product drawing C-280098

1.3 Material

Receptacle Contact: Phosphor Bronze, tin plated.
Test Tab: Steel, ASP 23.

2. TEST EQUIPMENT

2.1 Testing device shall consist of the following:

A. Electronic Dynamometer to register the applied force (see Fig. 1 for ref.)
B. Mechanism to separate the holding devices at a constant speed (see Fig. 1 for ref.)
C. Suitable clamping fixture for holding connectors.
D. Steel gage to generate peak force at specified test rate.

3. PREPARATION

A. Retention devices shall be indexed to release position.
B. Unmated receptacle shall be mounted securely in the suitable clamping fixture.
C. Steel gage, indicating applied force, should be mounted and secure in suitable clamping fixture.
D. Applicable removal tool handles shall be adapted for use with force gage.
E. Dynamometer should be set to force measurement configuration, and will display the peak value.

4. TEST PROCEDURE

A. Mount the receptacle contact mated with the test tab in a suitable position for the removal operation.
B. Maintain axial alignment and apply sufficient force at a rate of 25-50mm/minute to effect the full separation of the receptacle contact from the tab gage.
C. Steel tab gage should be cleaned after each manoeuvre.

5. TARGET

The First Out Force value “F” should remain within the following rage: 1.5 Kg ≤ F ≤ 8.5 Kg. (Values still to be defined).

1	REVISED	HY	15 DIC 2005	GT	
O	FIRST EMISSION	HY	09 DIC 2005	GT	
rev letter	rev. record	DR	Date	CHK	Date

DR.	DATE	APVD	DATE
H. Yaali	09 DIC 2005	G. Turco	

TEST EQUIPMENT

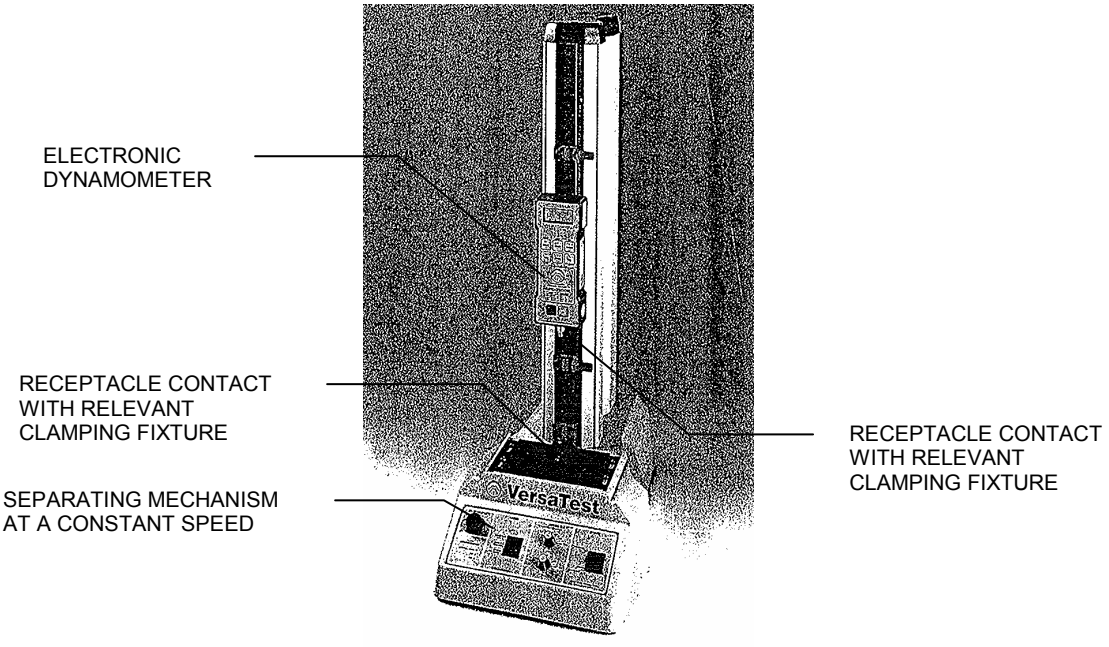

Fig. 1

STEEL TEST TAB
GAGE NO. 92-331630-1

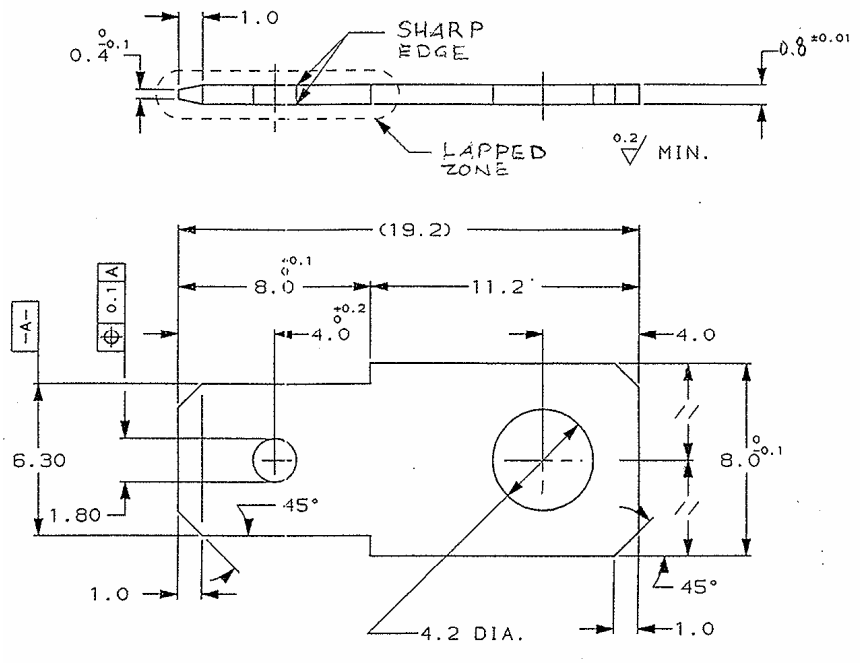

Fig. 2