

1. INTRODUCTION

This specification covers the cavity design and requirements for application of MAG-MATE* Micro Series terminals. These requirements are applicable to hand and automatic machine application tools.

NOTE All dimensions are in inches unless otherwise specified. Tolerances, unless otherwise specified are ± 0.005 ; angles are $\pm 1^\circ$.

2. NOMENCLATURE

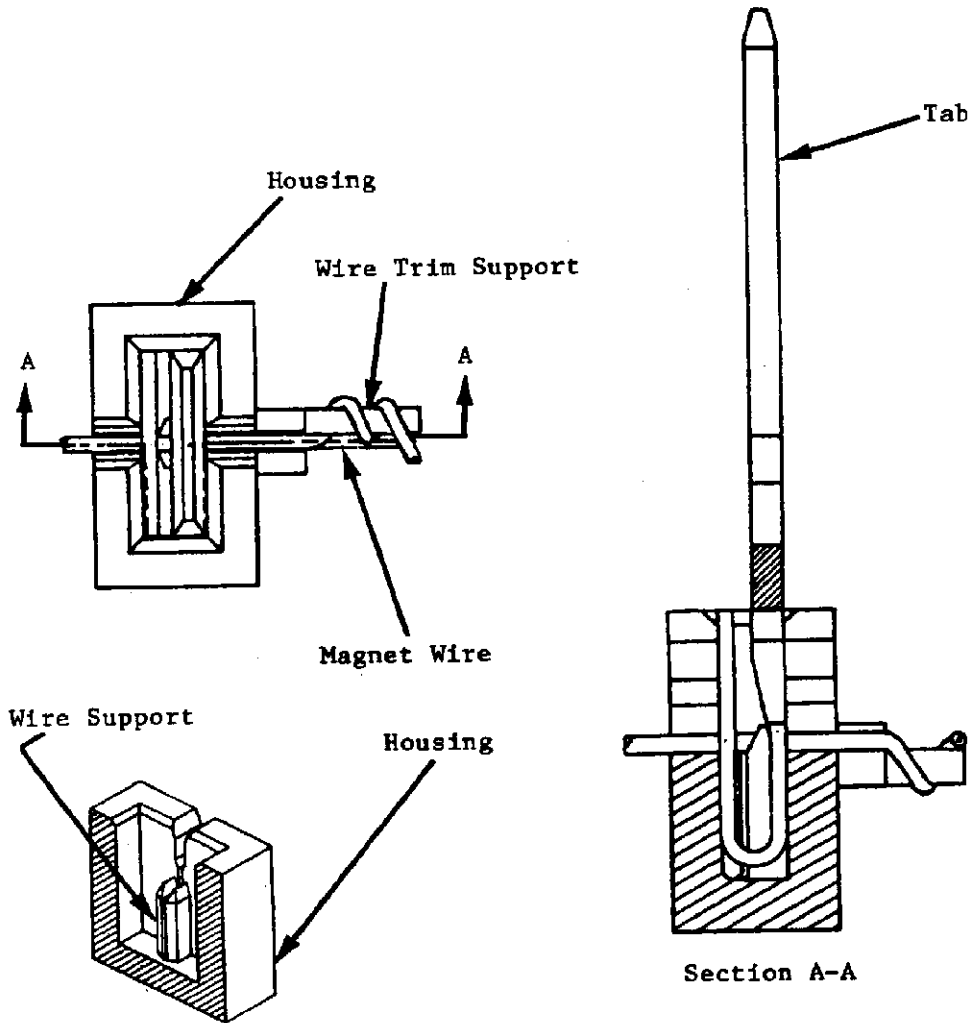


Fig. 1 Terminal Nomenclature

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				APPLICATION SPECIFICATION		AMP AMP INCORPORATED Harrisburg, Pa. 17105	
				ENGINEERING APPROVAL & DATE		NO. 114-2099	
				NELSON E. NEFF 11/4/86			
		PAGE		TITLE			
		1 OF 5		MAG-MATE* MICRO SERIES TERMINAL			
B	AF 1501	N.N.	11/86				
A	AF 0987	N.N.					
LTR	REVISION RECORD	APP	DATE				

3. REQUIREMENTS

3.1. Cavity Design

Cavity design that will accept MAG-MATE Micro Series terminals manufactured by AMP Incorporated shall be in accordance with the requirements specified in Figure 2 and the following NOTE. Customers are requested to supply AMP Engineering with drawings of their final design for review and approval, for insertion equipment compatibility.

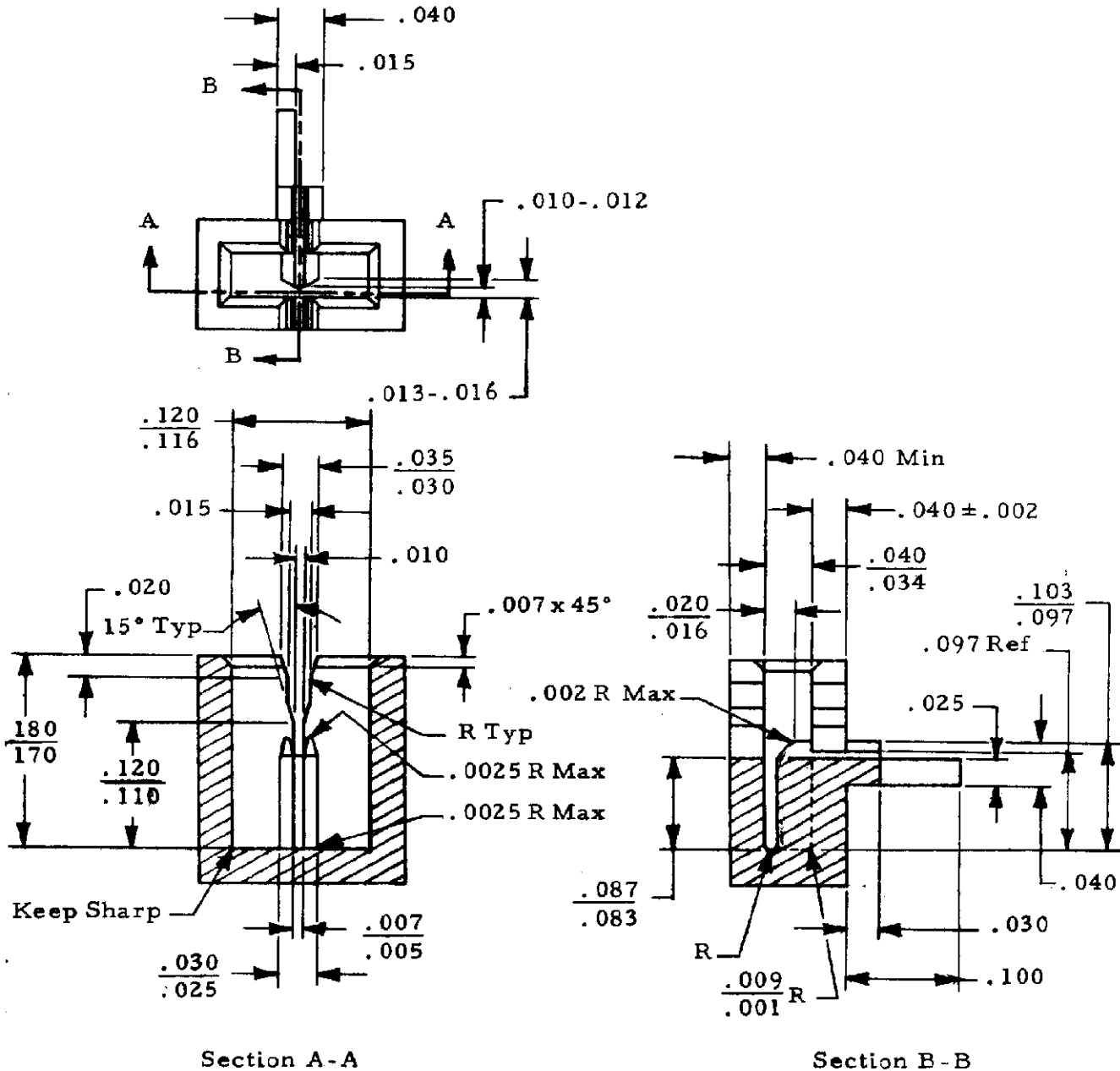


Fig. 2 Cavity Detail

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PAGE

2

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NOTE

- (1) Material shall be glass-filled polyester or AMP engineering approved equivalent.
- (2) Wall thickness on trim side shall be equal on multi-cavity housings, to provide excess magnet wire trim by applicator.
- (3) Coil windings and other assembly components shall not extend above base of wire slot or obstruct proper seating of magnet wire in slot.
- (4) Wire trim support shall be on the wire trim side only. Applicator will trim off both wire and trim support. Wire trim support is not necessary if magnet wire is hand trimmed.
- (5) Draft angles shall be held within the feature tolerances.

3.2. Wire Placement

Magnet wire shall be preplaced at the base of the cavity wire slot before terminal insertion.

3.3. Terminal Insertion Depth

Terminal shall be inserted in the housing cavity within the limits specified in Figure 3.

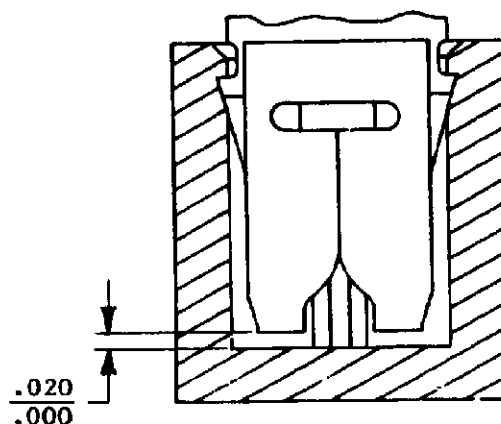


Fig. 3 Terminal Insertion Depth

3.4. Wire Position

Magnet wire shall contact the top of the wire support as indicated in Figure 4 when terminals are inserted into the cavity.

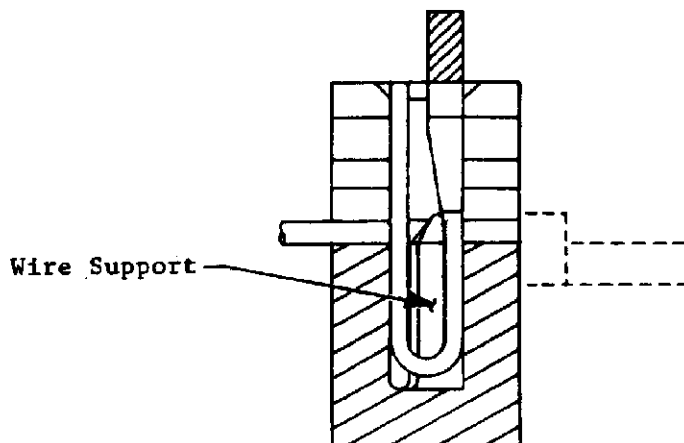


Fig. 4 Wire Position

3.5. Terminal Cutoff Tab and Burr

A. Cutoff Tab

Terminal cutoff tabs shall be within the limits specified in Figure 5.

B. Burr

Burr on cutoff tabs shall not exceed .005.

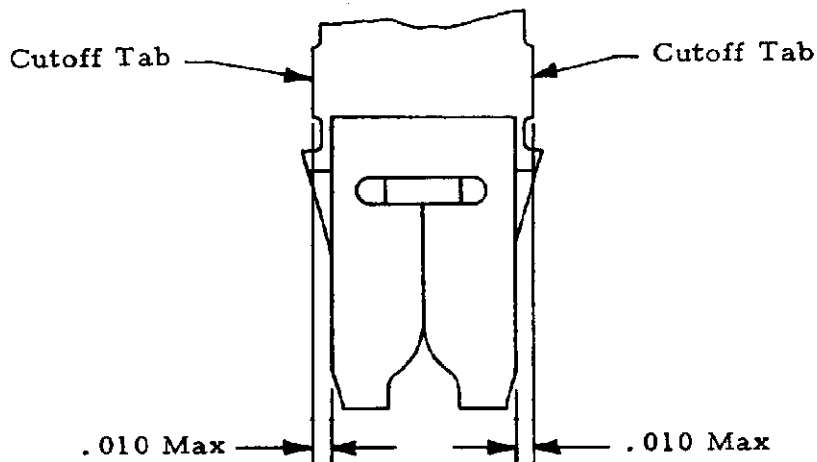


Fig. 5 Cutoff Tab and Burr

3.6. Tab Interface

Tab interface type product shall be bent as indicated in Figure 6 after wire termination.

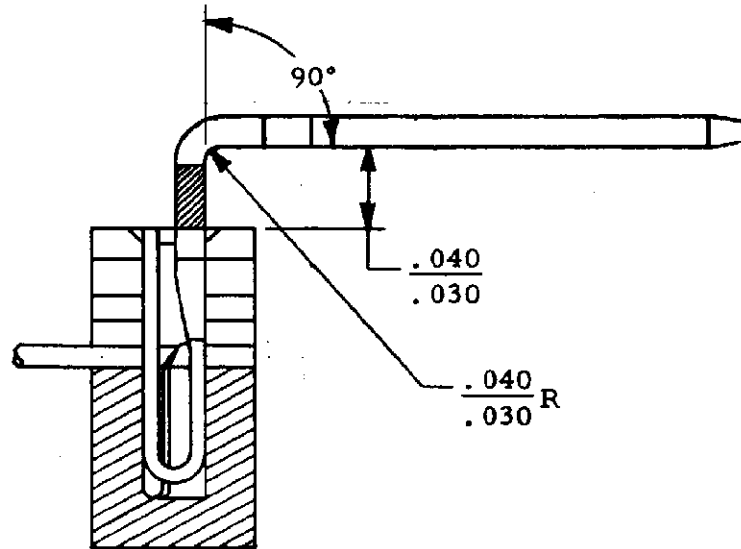


Fig. 6 Tab Interface