

APPLICATION SPECIFICATION

1. SCOPE

1.1. Content

This specification covers the requirements for application of the AMP* PN 62879 (loose piece) and PN 63045 (strip) Universal Battery Contact. These requirements are applicable to hand or automatic machine application tools. Specific wire sizes covered by this specification are 20-24 AWG solid, or stranded (7 strands) tin plated wires with a maximum insulation outside diameter of .070.

1.2. Reference Specification

For applicable performance requirements see AMP Specification 108-2026.

2. NOMENCLATURE

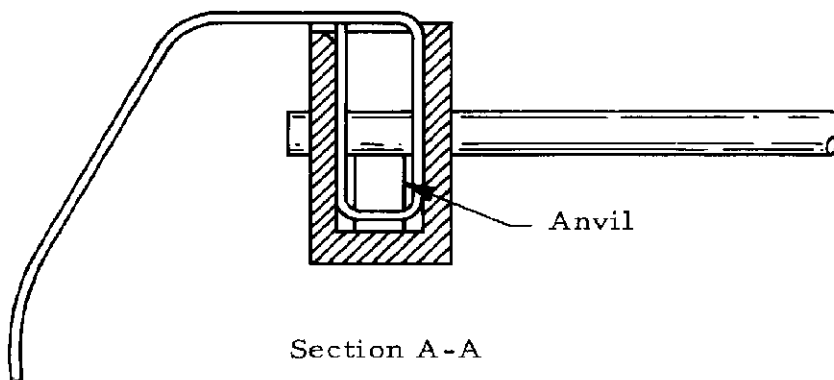
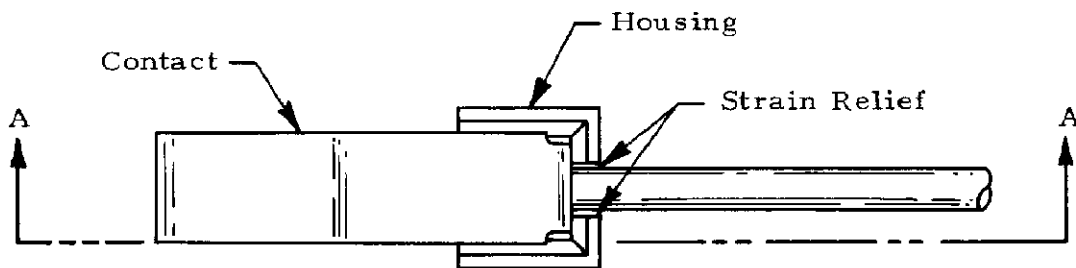


Figure 1

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		DR <i>P. E. Fitt</i> 10/4/79 CHK <i>S. W. Opicelli</i> 10-9-79 APP <i>[Signature]</i> 10/4/79		AMP AMP INCORPORATED Harrisburg, Pa.			
B	Rev Para 3.1. and Figure 2	4	3-8 -82	LOC	NO	114-2044	REV.
A	Rev Para 1.1. & Figure 2 per ECN A-4799	4	11-18 -80	B	A		B
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LTR	REVISION RECORD	APP	DATE				

3. REQUIREMENTS

3.1. Cavity Design

Housing cavity design that will accept universal battery contacts manufactured by AMP Incorporated shall be in accordance with the requirements specified in Figure 2. Customers are requested to supply AMP Engineering with drawings of their final design for review and approval of insertion equipment compatibility and multi battery applications.

Optional Over Deflection Barrier (See Note 5)

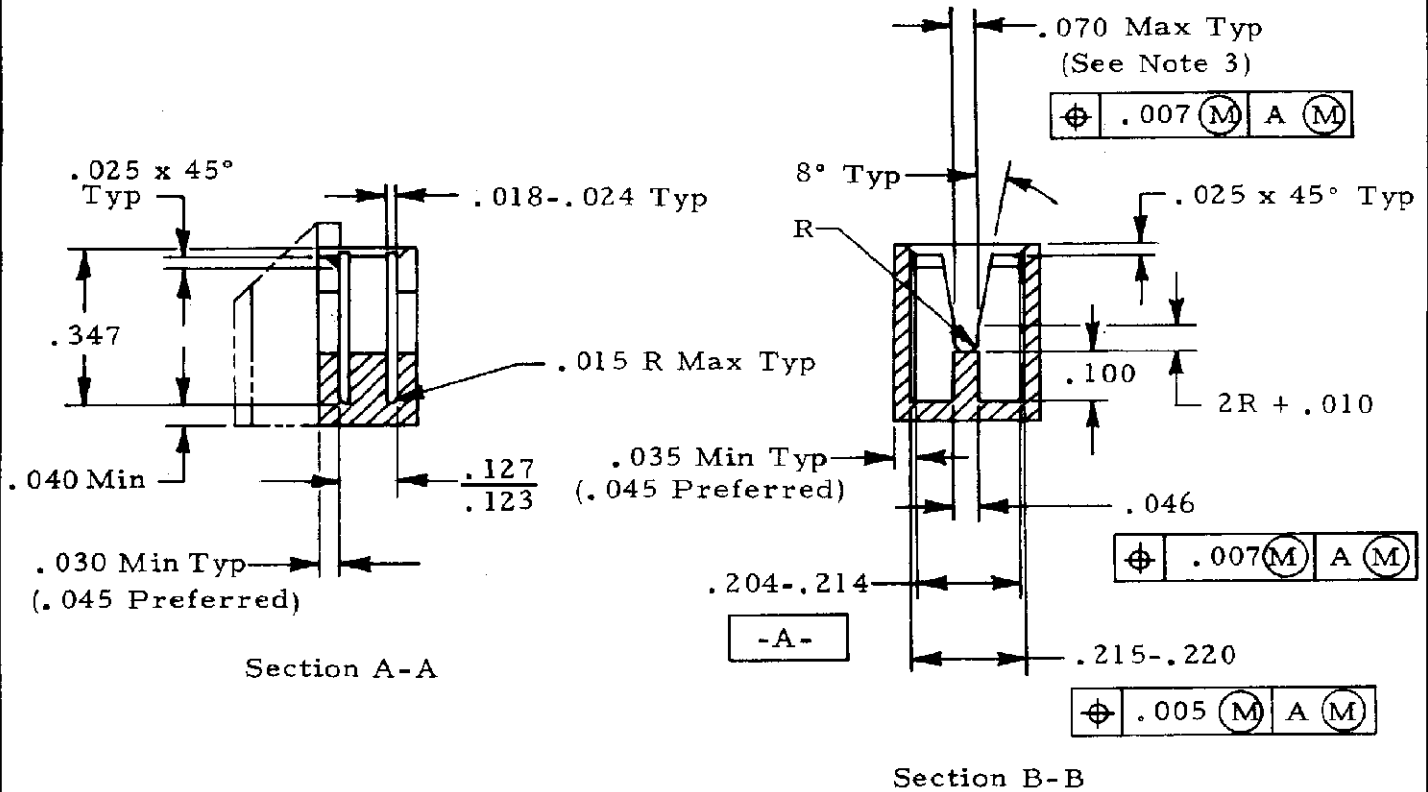
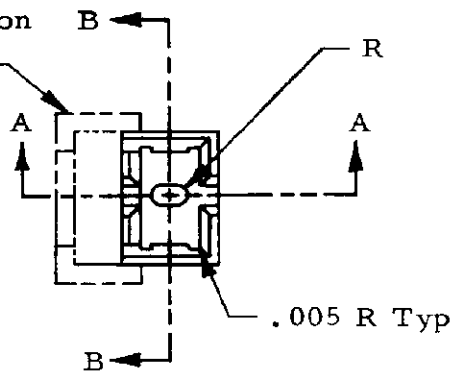


Figure 2 (cont)

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Notes:

1. All dimensions are in inches.
2. Tolerances unless otherwise specified are $\pm .005$ and angles $\pm 1^\circ$.
3. Dimension corresponds with the maximum insulation diameter. Dimension may be reduced to a value which is 65-85% of the specific wire insulation diameter to provide additional strain relief to the termination.
4. Material shall be glass filled polyester or equivalent.
5. It is recommended that an over deflection barrier be included in the cavity design to avoid excessive deflection of the contact spring. Customers are requested to supply AMP Engineering with drawings of their final design.

Figure 2 (end)

3.2. Insertion Depth and Wire Placement

Contact insertion depth and wire placement shall be as specified in Figure 3 after insertion into the housing cavity.

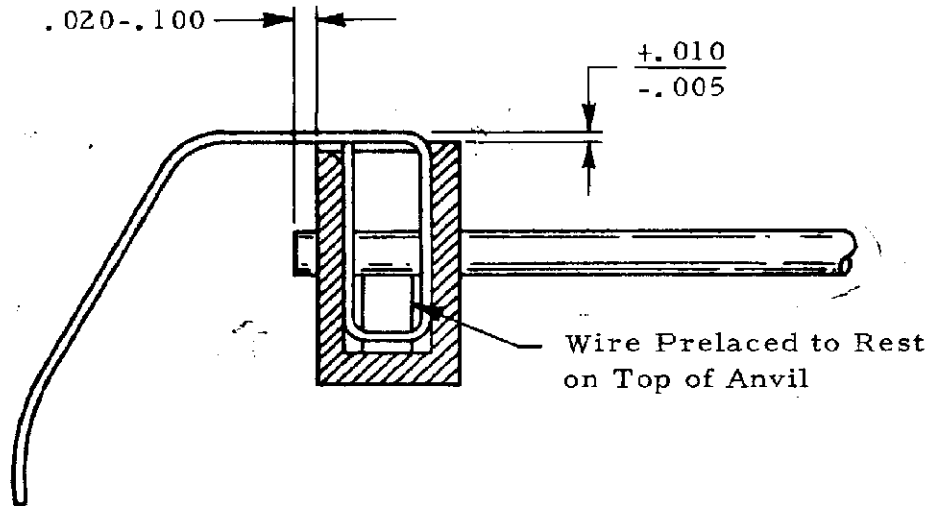


Figure 3

3.3. Workmanship

There shall be no deformation of the contact during wire termination that will impair use or function.

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