

Mini Universal MATE-N-LOK\* Pin Contact  
Restricted for IMETEC.

**1. SCOPE**

This specification covers the performance requirements for Mini Universal MATE-N-LOK\* Pin Contact. The requirements specified, herein, are applicable to the crimping performed by automatic crimping machines. For specific wire and insulation ranges relative to the products covered in the specification see figure 6.

**2. REFERENCE SPECIFICATION**

For applicable performance requirements, see AMP Product specification listed in figure 6.

**3. PRODUCT FEATURES**

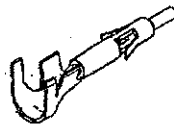


Figure 1

**4. NOMENCLATURE**

For the purpose of this specification, the following terms shall apply.

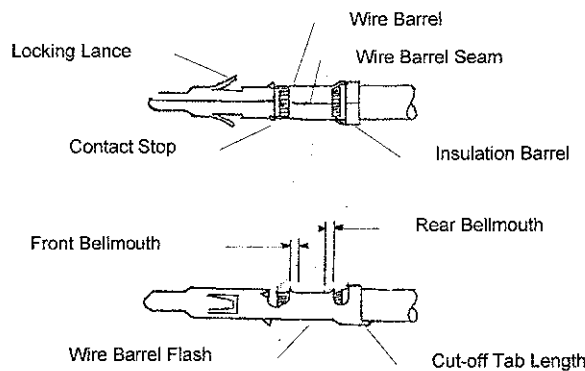


Figure 2

**5. CRIMPING AND DIMENSIONAL REQUIREMENTS**

**5.1 Carrier Cutoff Tab and Burr**

- A. **Cutoff Tab:** shall not exceed 0.5 mm
- B. **Burr on cutoff:** shall not exceed 0.05 mm.

**5.2 Wire Barrel Crimp.**

- A. **Crimp Dimensions and Type:** crimp height, width and type shall be as shown in figure 6.

Product Code: **1312**

A	FIRST EMISSION, ET00-0162-00	H.Y.	09/JUN/2000	CHK	09/JUN/2000
rev letter	rev. record	DR	Date	CHK	Date
DR. H. YAALI	DATE 05 MAY 2000	APVD C. TARTARI			DATE 05 MAY 2000

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**B. Wire barrel seam:** shall not be completely closed and there shall be no evidence of loose wire strands or wire strands visible in the seam.

**C. Bellmouth:** rear bellmouth length shall be 0.1-0.4.

**D. Conductor location:** end of the wire shall be flush with the front end of the wire barrel or extend 0.9 mm maximum after crimping.

**5.3 Insulation Barrel Crimp.**

**A. Crimp dimension and type:** crimp width and type shall be as shown in figure 6.

**5.4 Alignment.**

**A: Straightness.**

- The contact including the cutoff tab and burr shall not be bent above or below the datum line more than the amount shown in figure 3.

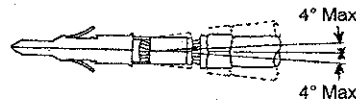


Figure 3

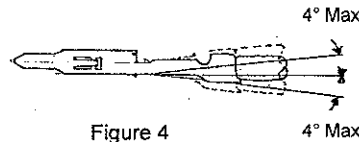


Figure 4

- The side to side bending of the contact shall not exceed the limits specified in figure 4.

**B. Twist and Roll:** twist or roll of the crimped contact shall not exceed the limits specified in figure 5.

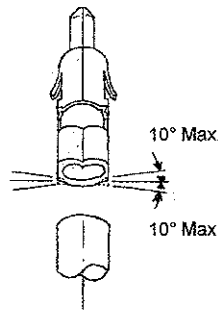


Figure 5

**AUTOMATIC MACHINE WIRE CRIMP DIMENSIONS**

AMP P/N	LOG	AMP PRODUCT SPEC.	WIRE SIZE [mm <sup>2</sup> ]	INSULATION DIA. [mm]	STRIP LENGH APPROX [mm]	WIRE BARREL CRIMP			INSULATION BARREL CRIMP		
						WIDTH REF. [mm]	HEIGHT +/-0.05 [mm]	T Y P E	WIDTH REF. [mm]	-	T Y P E
170359-1	567066-5	-	0.3	-	-	1.22	0.74	F	2.03	-	F

Figure 6