

FASTON* Connector, .375" sr. Receptacle Contact.
(straight version).**1. SCOPE**

This specification covers the requirements for application of .375" sr. FASTON* receptacle contacts. These requirements are applicable to automatic machine crimping tools. For specific wire and insulation ranges relative to the products covered in this specification see figure 6.

1.1.REFERENCE SPECIFICATION.

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

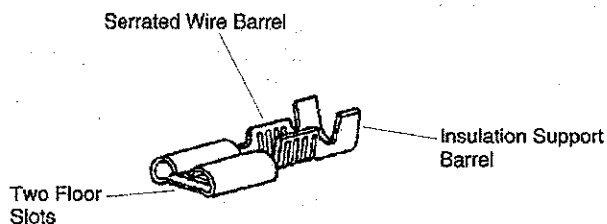
2. PRODUCT FEATURES.

Figure 1

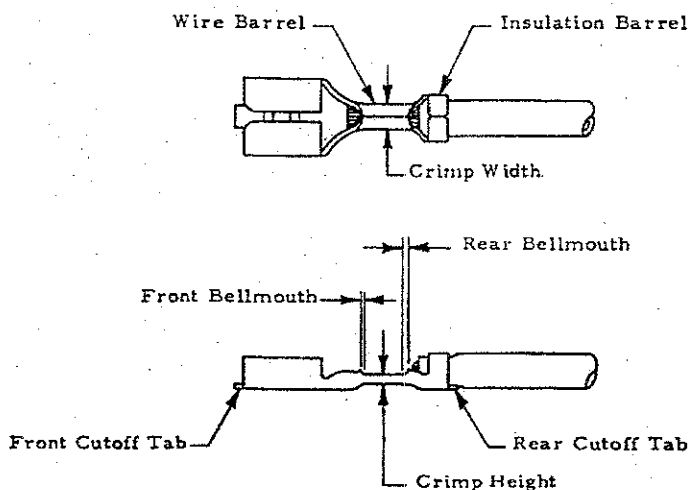
3. NOMENCLATURE

Figure 2

A1	REVISED FOR ET00-0086-01	H.Y.	17 APR 2001	C.T.	17 APR 2001
A	FIRST EMISSION, ET00-0074-01	H.Y.	01 MAR 2001	C.T.	01 MAR 2001
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4. CRIMP AND DIMENSIONAL REQUIREMENTS.

4.1 Wire preparation

A. Strip length: Insulation shall be stripped as indicated in Figure 6.

B. Workmanship: Reasonable care shall be taken not to nick, scrape or cut any strands during the stripping operation.

4.2 Carrier Cutoff Tab and Burr

A. Cutoff Tab: shall not exceed 0.5mm.

B. Burr on cutoff: shall not exceed 0.1mm.

4.3 Wire Barrel Crimp.

A. Crimp Dimensions and Type: Crimp height, width and type shall be as shown in Figure 6.

B. Wire barrel flash: Shall not exceed 0.1mm.

C. 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.

D. Bellmouth:

(1) Rear bellmouth length shall be 0.4-0.6 mm.

(2) Front bellmouth length shall be 0.1-0.4 mm.

E. Conductor location:

(3) End of the wire shall be flush with the front end of the wire barrel or extend 0.8mm. maximum after crimping.

(4) Both insulation and conductor shall be visible between the insulation barrel and wire barrel. Care shall be taken not to allow insulation to be crimped in the wire barrel.

4.4 Insulation Barrel Crimp.

A. Crimp Dimensions and Type: Crimp width and type shall be as shown in Figure 6.

B. Workmanship: Reasonable care shall be taken not to cut or break the insulation during the crimping operation.

4.5 Alignment.

A. Straightness.

(1) 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.

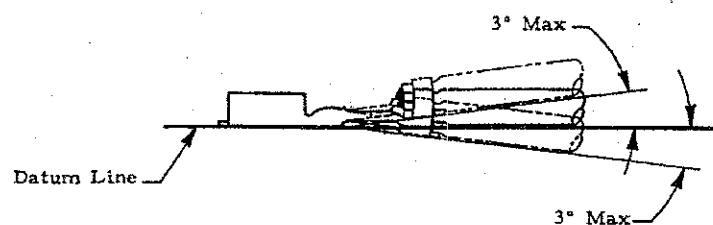


Figure 3

(2) The side to side bending of the contact shall not exceed the limits specified in Figure 4.

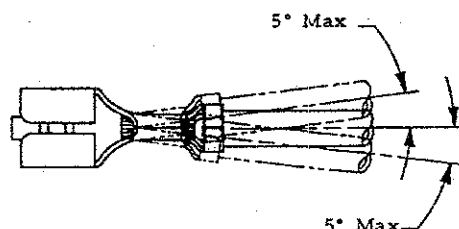


Figure 4

B. Twist or Roll: Twist or Roll of the crimped contact shall not exceed the limits specified in Figure 5.

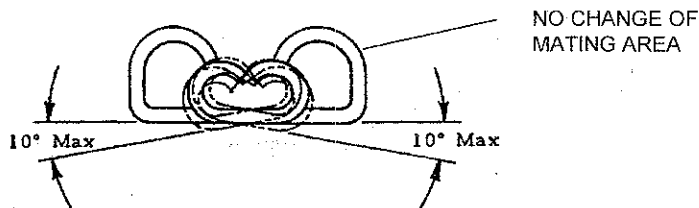


Figure 5

AUTOMATIC MACHINE WIRE CRIMP DIMENSIONS

AMP P/N	LOG	AMP PRODUCT SPEC.	WIRE SIZE mm ²	INSULATION DIA. mm	STRIP LENGHT APPROX. mm	WIRE BARREL CRIMP			INSUL. BARREL CRIMP		
						WIDTH REF. mm	HEIGHT +/-0.03 mm	T Y P E	WIDTH REF. mm	HEIGHT REF. mm	T Y P E
160866	680168	108-20019	1.0 1.5 2.0 2.5	2.4-3.7	5.4	3.05	1.85 1.99 2.12 2.26	F	4.57	-	F
160521	576042-3	108-20019	4.0 4.5 5.0 6.0	3.8-5.1	5.4	3.94	2.64 2.74 2.84 3.07	F	5.33	-	F
160602	---	108-20019	6.0 8.0 8.5	5.0-5.7	5.4	4.57	2.77 3.12 3.12	F	6.35	-	F
280223	783253-1	108-20019	4.0 6.0	3.8-5.1	6.0	4.06	2.87 3.00	F	6.35	-	F
281091	782678-2	108-20019	6.0 10.0	5.0-7.0	6.0	4.57	3.23 3.63	F	7.62	-	F

Figure 6