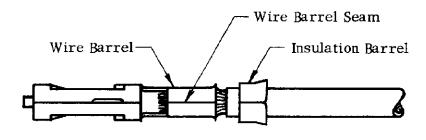
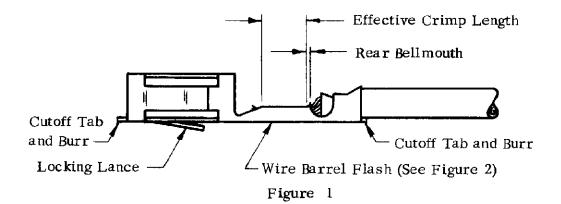
APPLICATION SPECIFICATION

1. SCOPE

This specification covers the requirements for application of AMPMODU* Mod I receptacle contacts. These requirements are applicable to hand or automatic machine crimping tools. For specific wire and insulation ranges relative to the products covered in this specification see Figure 5 and 6.

2. NOMENCLATURE





3. CRIMP AND DIMENSIONAL REQUIREMENTS

3.1. Wire Preparation

A. Strip Length

Insulation shall be stripped as indicated in Figure 5 and 6.

B. Workmanship

Reasonable care shall be taken not to nick, scrape or cut any strands or the solid wire during the stripping operation.

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- 3.2. Carrier Cutoff Tab and Burr
 - A. Cutoff tab shall not exceed .010.
 - B. Burr

Burr on cutoff tab shall not exceed .003.

- 3.3. Wire Barrel Crimp
 - A. Crimp Dimensions and Type

Crimp height, width and type shall be as shown in Figure 5 and 6.

B. Tensile Strength

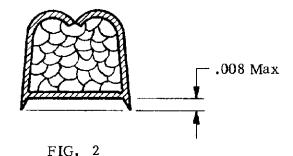
Crimp tensile strength shall be as shown in Figure 5 and 6 when tested at a rate of 1 inch per minute.

C. Effective Crimp Length

Effective crimp length shall be .090 minimum, and is defined as that portion of the barrel, excluding bellmouth, fully formed by the crimping tool.

D. Wire Barrel Flash

Wire barrel flash shall not exceed .008 as shown in Figure 2.



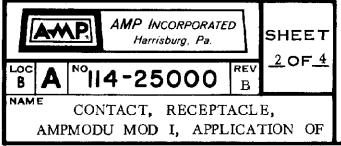
E. WireBarrel Seam

Wire barrel seam shall be completely closed and there shall be no evidence of loose wire strands or wire strands visible in the seam.

F. Bellmouth

Rear bellmouth length shall be .006 min.

- G. Conductor Location
 - (1) End of the wire shall be flush with the front end of the wire barrel or extend .032 maximum after crimping.
 - (2) 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.



3.4. Insulation Barrel Crimp

A. Crimp Dimensions and Type

Crimp width and type shall be as shown in Figure 5 and 6.

B. Workmanship

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

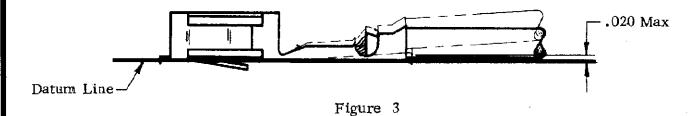
3.5. Locking Lance

Locking lance shall not be deformed.

3.6. Alignment

A. Straightness

(1) The contact, including the cutoff tab and burr shall not be bent below the datum line or more than .020 above the datum line as shown in Figure 3.



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

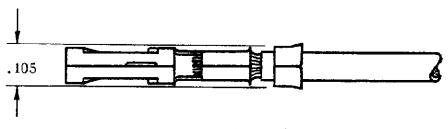
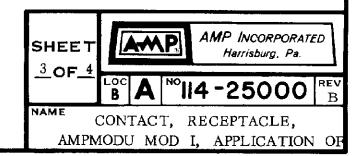


Figure 4

B. Twist or Roll

There shall be no twist or roll in crimped portion that will impair usage of the contact.



	17/1	00.4	Inculation	Ctrin		Wire B	Wire Barrel Crimp	dm	nsuI	Insulation
Part No	1 AA	WILCS	Diameter	June Longth		Laiaht		Tensile	Barre	Barrel Crimp
	No.	Size	Diameter	Lengin	Width	1.002	1.002 Crimper	Strength Pounds	Width	Type Crimper
02020	1	18			020	.046		25.0	110	
87024	1	20	.073090	.132164	0/0.	.040	ഥ	17.5	011.	0
£70/0	-	22			IIIONI	.037		11.0	INOIII	
67079	1	18			020	.046		25.0	110	
07070		20	.051073	.051073 .132164		.040	Ľ.	17.5	011.	Щ
#70/o	-1	22			HON	.037		11.0	NOIL	
07227	1	22			055	.038		11,0	000	
0,00,0	Ţ	24	.042073	.132164		.033	ĹΤ	7.0	0,000	ĹΤή
07.401	1	26			INOILI	.033		4.0	INOIII	

Figure 5
Automatic Machine Wire Crimp Dimensions

	1,1,2					Wire B	Wire Barrel Crimp	dω	Insul	Insulation	
	wires	מע	Insulation	Strip			Tyno	Tensile	Barrel	Barrel Crimp	Hand Tool
Part No	No. Si	Size	Diameter	Length	Width	Width Height ±.002	Crimper	Strength Pounds	Width	Type Crimper	Part No.
96028		18			0.10	.042		25.0	901		90274-2
87027	1	20	.051090	.156-,187	0/0.	.033	Щ	17.5	DOI.	0	90274-2
01027	1	22			Mom	.033		11.0	Mom		90274-2
04330	ī	22			200	.034		11.0	000		90328-1
97403	1	24	.042073	073 ,156-,187	.033	.029	Ľ	7.0	060.	0	90328-1
70±70	1	26			NOIL	.029		4.0	INOIII		90328-1

Figure 6

Hand Tool Wire Crimp Dimensions

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