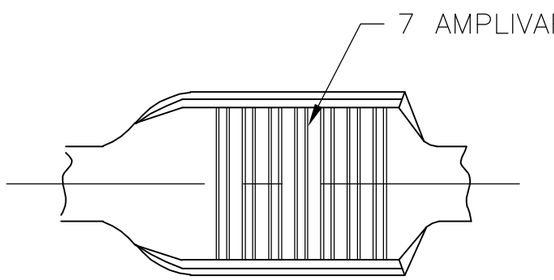
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LOC	DIST
AF	50

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	E1	ECR-06-023927(REDRAWN IN AUTOCAD)	17OCT06	HMR	GP



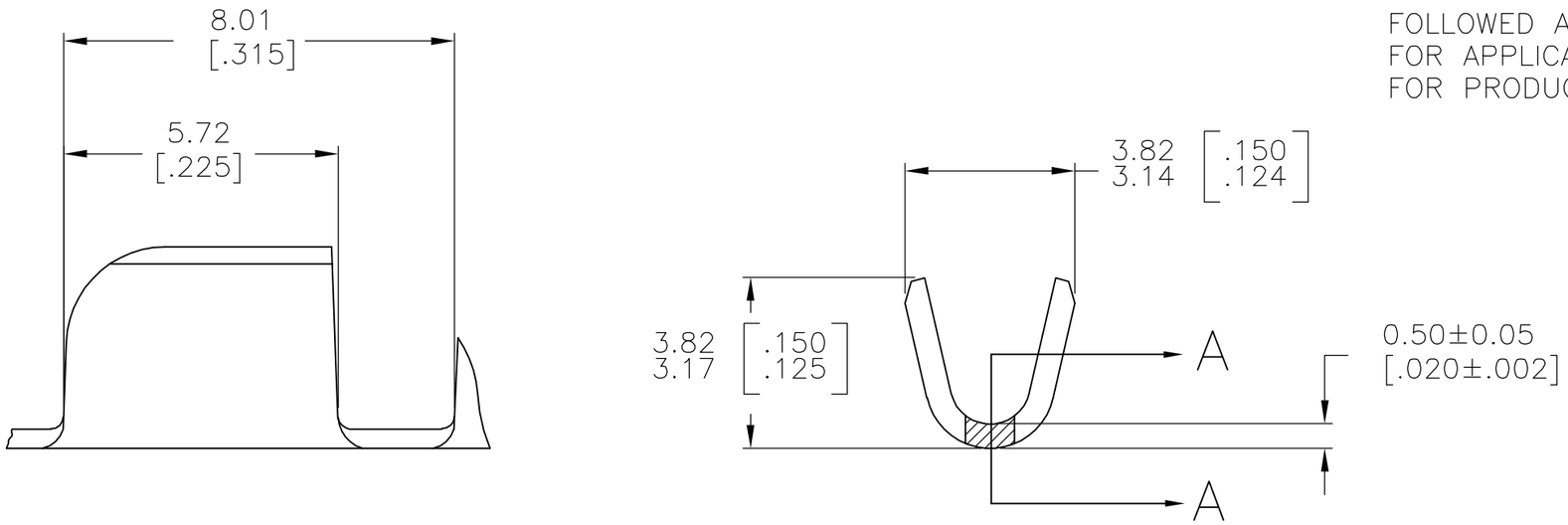
1 CONTINUOUS STRIP ON REELS

2 DIMENSIONS IN BRACKETS ARE IN INCHES

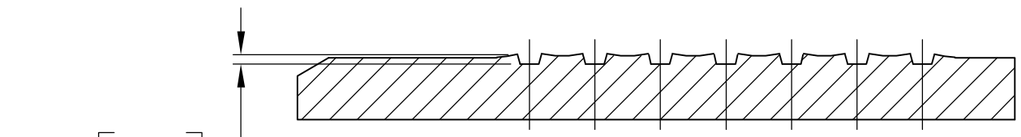
3 FOR ADDITIONAL INFORMATION, SEE APPLICATION SPEC. 114-2002

4 WIRE RANGE: 600-3000 CMA.

5 CRIMP WIDTH: .110 F TYPE (AMPLIVAR PIGTAIL)
CRIMP HEIGHT (±.002)=(TOTAL CMA+9,400)/190,500
GENERAL APPLICATION GUIDELINES MUST BE FOLLOWED AS SPECIFIED IN CATALOG #82221
FOR APPLICATOR INFORMATION CALL:1-800-722-1111
FOR PRODUCT INFORMATION CALL:1-800-522-6752



勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
http://www.100y.com.tw



SECTION A-A
SCALE 20:1

TIN PLATE	62157-2
–	62157-1
FINISH	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± 0.38 [.015]
4 PLC ± –
ANGLES ± 1° 0'

MATERIAL: BRASS

FINISH: SEE TABLE

DWN RAGHAVENDRA 17OCT2006
CHK G.D.PORTA –
APVD G.D.PORTA –
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

CUSTOMER DRAWING

tyco Electronics
Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME: SPLICE, AMPLIVAR

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-62157	—

SCALE	SHEET	REV
8:1	1 OF 1	E1

APPLICATION SPECIFICATION

1. SCOPE

This specification covers the requirements for application of AMPLIVAR* 7 serration pigtail splices. These requirements are applicable to automatic machine crimping tools. For specific CMA (circular mil area) ranges relative to the products covered in this specification, see Figure 4.

2. NOMENCLATURE

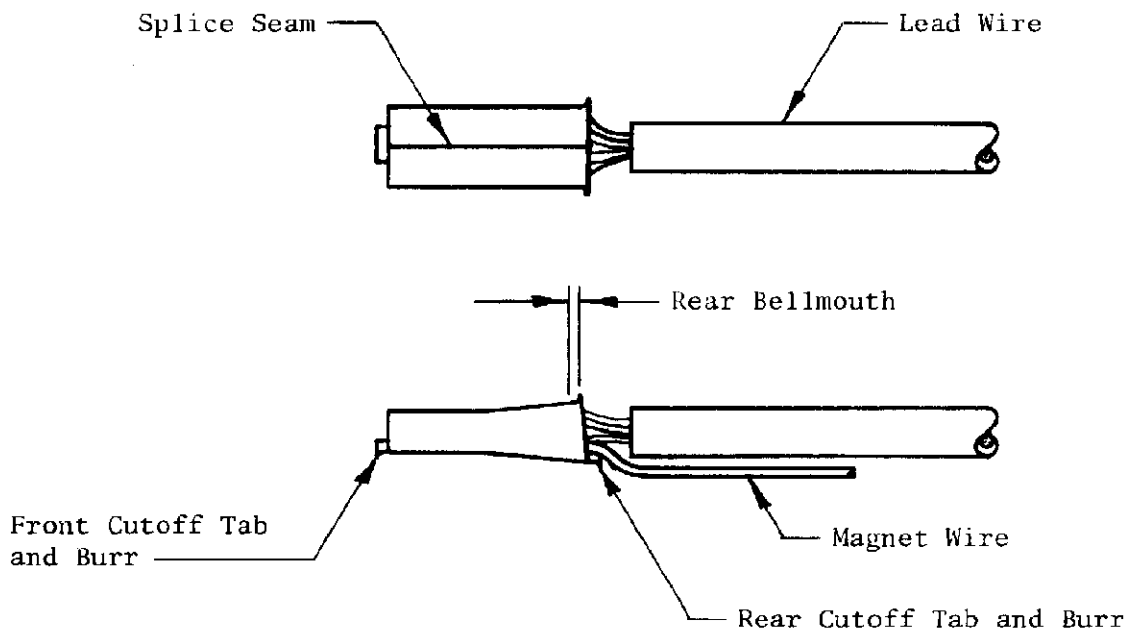


Figure 1

3. CRIMP AND DIMENSIONAL REQUIREMENTS

3.1. Wire Preparation

A. Magnet Wire

No preparation required.

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LTR	REVISION RECORD	APP	DATE
A	Revise Figure 3	KDL	4/15/83

DIST 02

DR C.E. Fink 6/9/75
CHK C. Meyers 5-29-75
APP C.C. Reynolds 6/9/75

AMP INCORPORATED Harrisburg, Pa.

LOC B | A | NO 114-2002 | REV A

SHEET 1 OF 3

NAME SPLICE, PIGTAIL, 7 SERRATION, AMPLIVAR, APPLICATION OF

B. Lead Wire

(1) Insulation shall be stripped as indicated in Figure 4.
(2) Reasonable care shall be taken not to nick, scrape or cut any strands or the solid wire during the stripping operation.

3.2. Carrier Cutoff Tab and Burr

A. Cutoff Tab

(1) Front cutoff tab shall not exceed .015.
(2) Rear cutoff tab shall not exceed .020.
(3) Cutoff tab shall be centered within the limits shown in Figure 2.

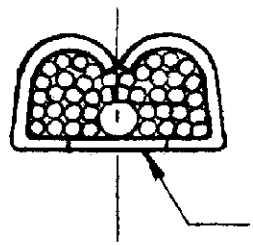


Figure 2

B. Burr

Burr on cutoff shall not exceed .008.

3.3. Splice Crimp

A. Crimp Dimensions

(1) Crimp width shall be as shown in Figure 4.
(2) Consult AMP Engineering for specific crimp heights. Crimp heights specified by AMP Engineering shall be measured at the location shown in Figure 3, with a tolerance of ±.003 unless otherwise specified.

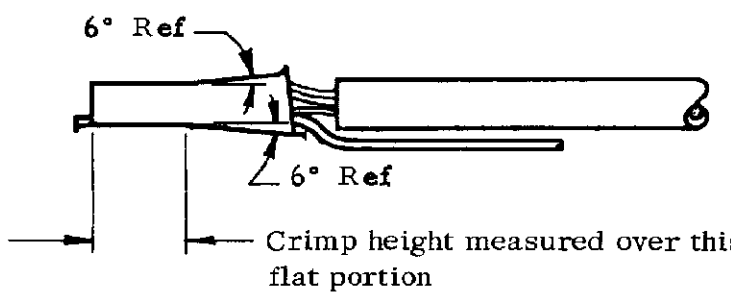


Figure 3

B. Tensile Strength

Crimp tensile strength shall be 70% of the wire tensile strength.

C. Splice Seam

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

D. Bellmouth

Rear bellmouth permissible.

E. Conductor Location

(1) Wires shall extend thru the splice before crimping.
(2) Wire shall be cut off clean at the front end of the splice after crimping.
(3) Conductors shall be visible between the lead wire insulation and the rear of the splice.
(4) Magnet wire(s) shall lie in the bottom of the splice.

Part Number	Wire CMA	Lead Wire Strip Length	Splice Crimp	
			Width	Type
62203	400-1500	.310 ± .031	.080	F
62000	600-3000		.110	F
62001	3000-7000		.140	F
62002	7000-13000		.180	F
62040	1500-5000		.110	F
62157	600-3000		.110	F
62158	1500-5000		.110	F
62295	7000-12000		.250	F
62335	7000-12000		.220	F

Figure 4