

## POSITIVE TERMINAL FOR T-20 BULB ASS'Y

### 1. Scope:

This specification covers crimping requirements of the positive terminal for T-20 bulb assy.

### 2. Application Contacts:

Contact Features	Contact P/N	Wire Sizes (mm <sup>2</sup> )	Remarks
Positive Terminal	X-2005163-X	0.5-0.85 SQ (AWG #20-#18)	SWS (Single Wire Seal)

**Note:** P/N is consisted from listed base number and 1 digit numeric prefix and suffix with dash.  
Refer to catalog or customer drawing for specific part numbers for each base number.  
When prefix zero, zero and dash can be omitted.

### 3. Nomenclature and Crimping Features:

Figure 1 show the nomenclature

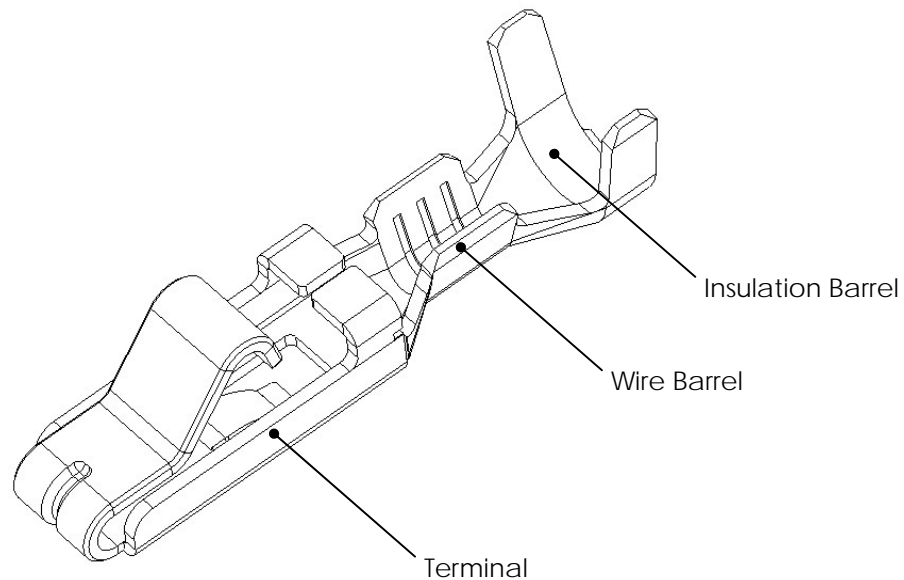


Fig. 1

Figure 2 show the crimping features

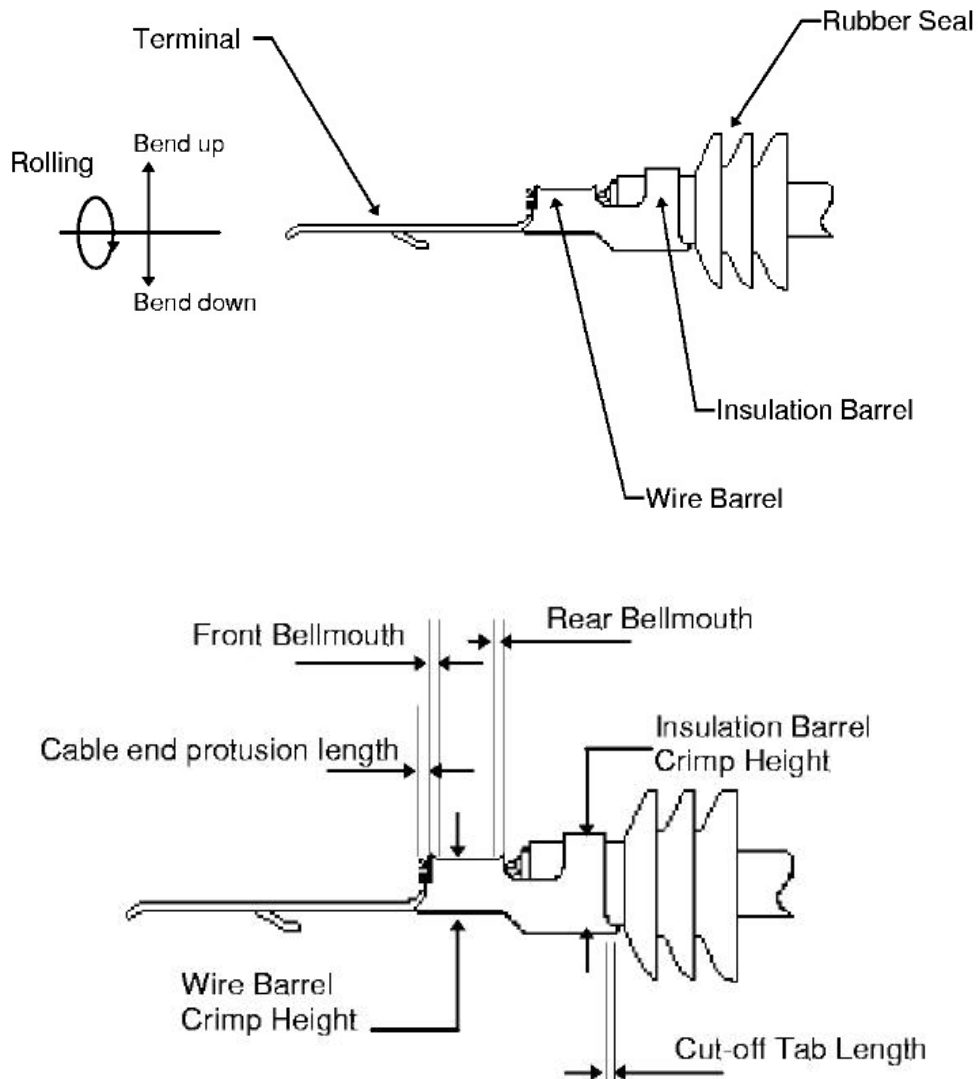


Fig. 2

#### 4. General Application Specification

The general guidelines laid down in Application Specification 114-18022 also apply to the crimp quality.

## 5. Crimping Conditions

No.	Checking Items		Requirements	Remarks
1	Allowable Deviation after Crimping	Bend-up	3° Max.	
		Bend-down	3° Max.	
		Twisting	5° Max.	
		Rolling	5° Max.	
2	Cut-off Tab Length		0.5 mm Max.	
3	Bell-mouth	Front	0.3 mm Max.	
		Rear	0.3 ~ 0.8 mm	
4	Wire-end Protrusion Length		Wire-end must protrude beyond the front edge of wire barrel, but shall not exceed 0.5 mm.	
5	Insulation Stripping Length	One-Wire Crimp	4.0 (±0.5) mm	
6	Wire Barrel Seam		Seam of wire barrel must appear neat and closed without mis-gripped strands sticking out between the barrel.	

## 6. Application Crimp

CONTACT PN	Wire Size (mm <sup>2</sup> )	Wire Barrel Crimp		Insulation Barrel Crimp			Crimp Tensile Strength (N) (min.)
		Width (mm)	Height (mm)	Width (mm)	Type	SWS	
2005163	AVS 0.5	2.03 "F"	1.3 (±0.05)	3.81	"O" (Overlap)	PN: 963293-1 (INS. 2.0~2.7mm)	90
	AVS 0.85		1.41 (±0.05)				130
	AEXF 0.5		1.27 (±0.05)				90
	AEXF 0.85		1.4 (±0.05)				130



7. Revision History

A	RELEASED	04.FEB.'14
REV.	REVISION RECORD	DATE

8. Specification Approval

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