

Mini MIC Receptacle and Tab Contact for Single Wire Sealing

1. SCOPE

This specification covers the requirements for application of Mini MIC Receptacle and Tab Contact. Part Numbers involved are listed in the table of Figure 7.

2. GENERAL

These contacts are suitable for 0,35 - 1,5 mm² wire , with single wire seals .
Each wire is inserted into a discrete wire seal before to be crimped into the contact.
The insulation barrel is crimped so that the wire seal is gripped in order to avoid any movement of the seal .
The contacts are suitable for single wire only .
The indications on the figures are valid for both receptacle and tab contacts .

3. CRIMPING

The following information contains nomenclature , crimping conditions , crimp data for mini applicators , insertion of wire seals on cables , mending or replacement of parts and checks .

4. NOMENCLATURE

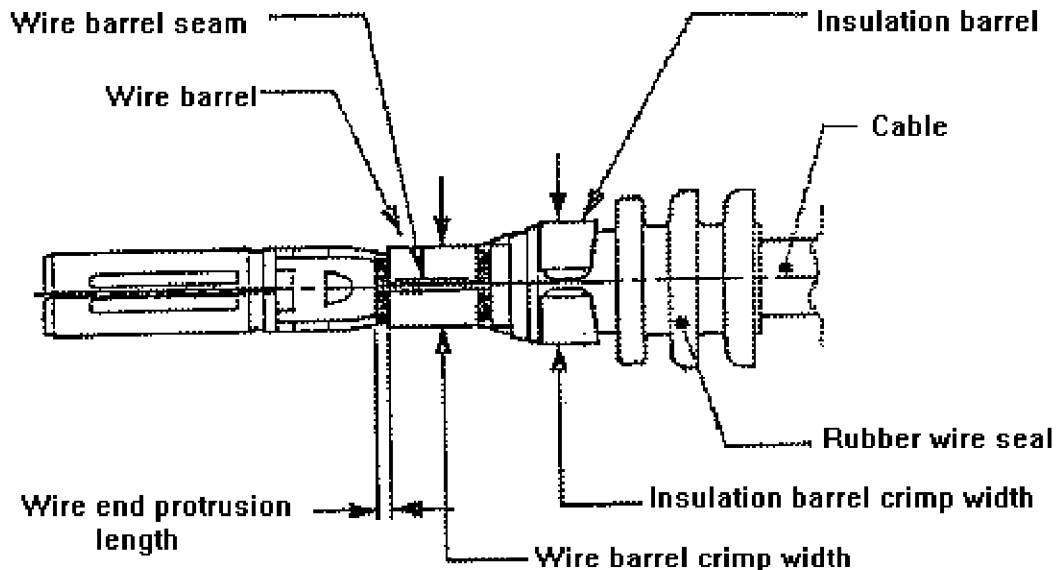


Figure 1

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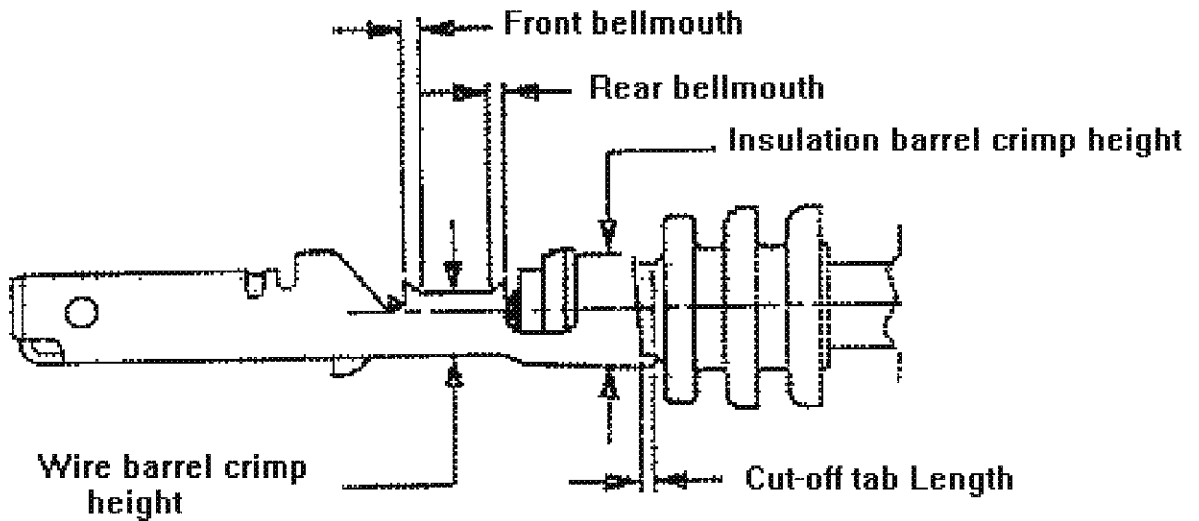


Figure 2

5. CRIMPING CONDITIONS

Refers to Nomenclature (item 4.), see Figure 1 , Figure 2 and Figure 3 .

- a) Cut-off tab length : 0,3 mm max.
- b) Front bellmouth : $0,10 \times 45^\circ$ max
Rear bellmouth : $0,25 \times 60^\circ$ max.
- c) Bend up : 5° max.
Bend down : 5° max.
Bend right : 5° max.
Bend left : 5° max.
Rolling : 5° max.
- d) Cable end protrusion (brush length) : 0,2 to 0,7 mm
- e) Insulation stripping length : 3,0 to 3,5 mm
- f) Wire barrel seam must be neatly closed .

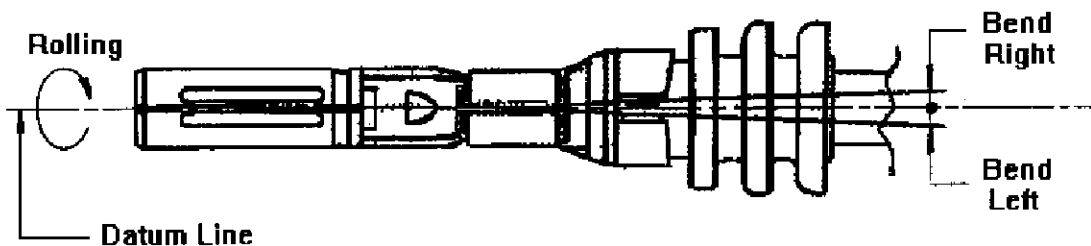


Figure 3

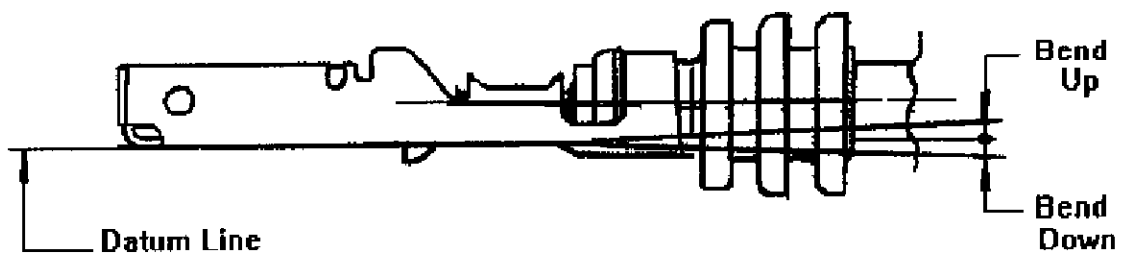


Figure 4

6. CRIMP DATA

For applicator crimping see Figure 7.

7. INSERTION OF RUBBER WIRE SEAL ON THE CABLE

When the rubber seal is installed on cable, the end of the cable insulation shall be positioned from the edge of the rubber seal, as shown in Figure 4 . This length is usually regardless of cable size .

Note : Seals are supplied lubricated . This lubrication must be removed .

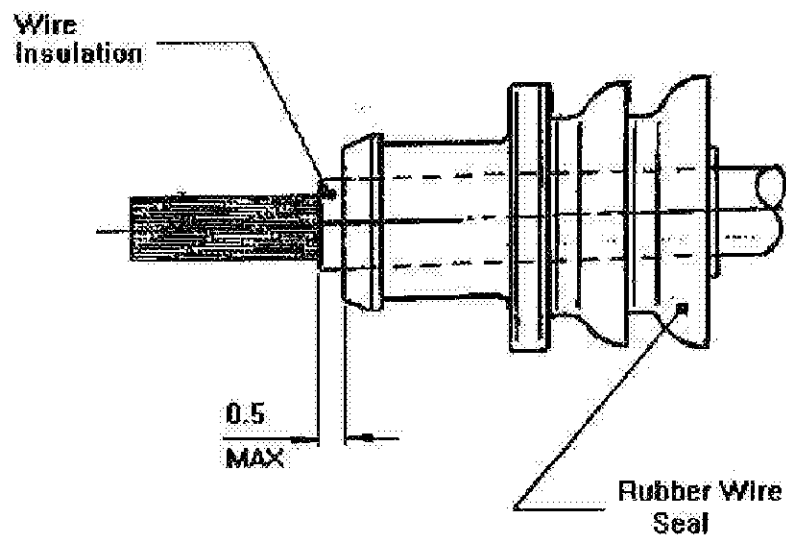
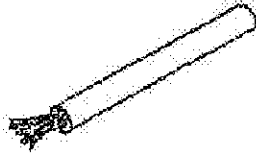


Figure 5

8. CORRECTION OR REPLACEMENT OF PARTS

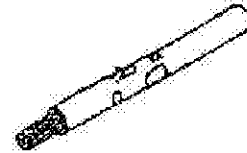
- a) When defects and/or improper applications are found on parts to be installed, as shown in Figure 5, rework to set up properly, or replace with new part.



The end of the cut wire shall appear neat without any bend of stranded conductor.



The conductor shall be free from nick, cut and scrape.



The wire insulation must have smooth surface in a round form without damage, groove or recessed surface.



The end of the wire shall be straight without bend and untidiness after insertion of the wire seal. The bent wire seal be checked out.



The flanges of the rubber seal shall be free from cut and damage. Any seal having such defects shall be discarded and replaced with new part.



Insertion of rubber seal shall be done straightly and evenly. If flanges are in tilt condition, the plug must be corrected so that flanges are perpendicular to contact center line.

Figure 6

- b) After crimping, the part of the cable insulation that is inside the seal shall be in good condition and within the requirements shown in Figure 5.
- c) Check by visual inspection in the transition area (between wire and insulation barrel), as indicated in Figure 6.

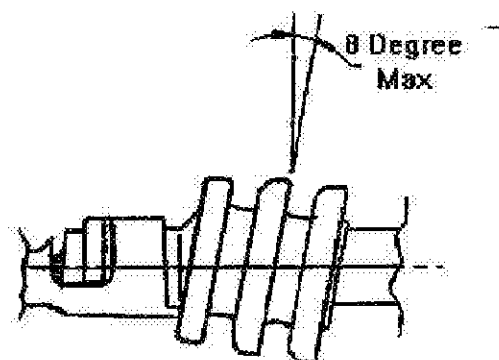
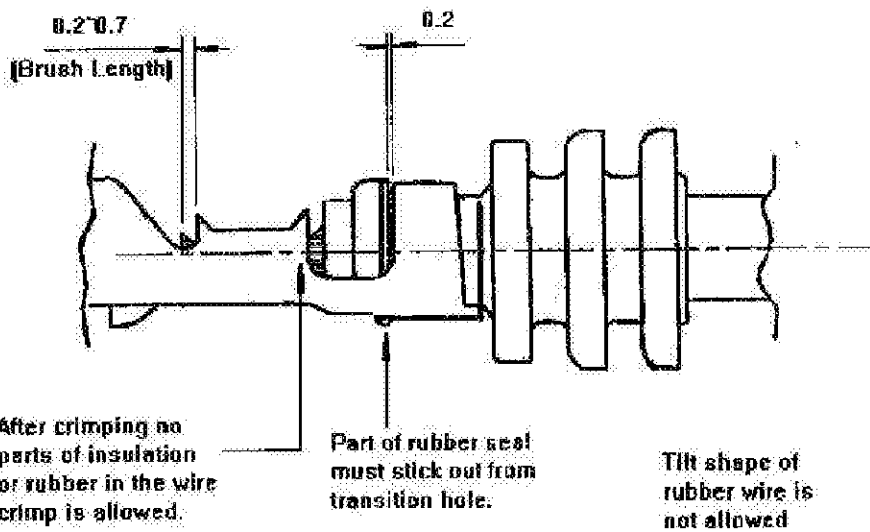
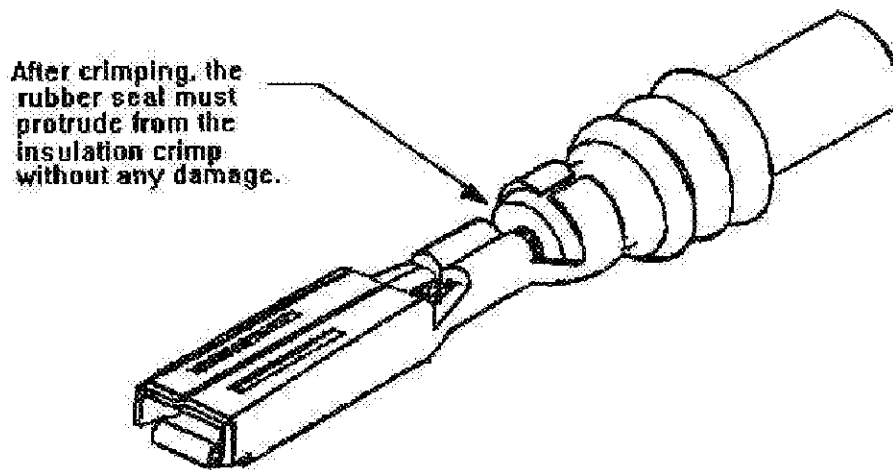


Figure 7

9. CRIMP DATA

Part Number	Wire Size	Log no.	Ins. Dia. for 963530	Ins. Dia. for 444049	Strip Length	Wire Barrel Crimp			Ins. Barrel Crimp	
						Height	Width	Type	Width	Type
282438-1	1,0	573887-1	1,2 – 2,0	1,2 – 2,0	3,70 ± 0,5	1,50	1,78	F	3,05	O
444541-1	0,75					1,37				
353038-1	0,5					1,24				

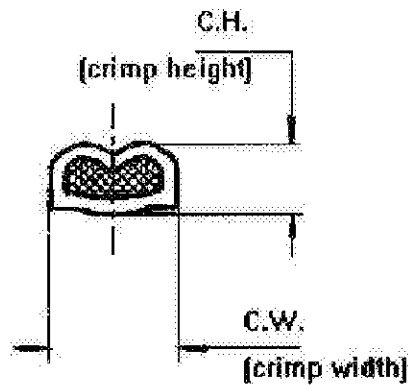


Figure 8

Revision Record		
Revision	Date	Description
O	19-May-1999	Issued
A	24-Sep-1999	LB00-0444-99
B	29-Dec-2000	LB00-0524-00
C	08-Jan-2001	LB00-0006-01

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