REV D

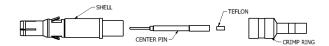


## Wiring Assembly Instructions

0883010-10 Contact, ITA, Mini-Coax, RG178, 50 Ohms.



Fig. A. (Contact Sub-Assembly)



Contact Sub-Assembly Piece Parts.

Contact Crimp Information Table									
Wire	Wire	Strip Length In Inches	Crimp Tool	Hex Die Set	Indicator	Selector	Heat-shrink		
Туре	Awg.					No.	Length X Dia.		
RG178	30	A) 3/16"B) 7/32" C)13/32"	452300	452312	Ι	N/A	5/8 X 3/32		

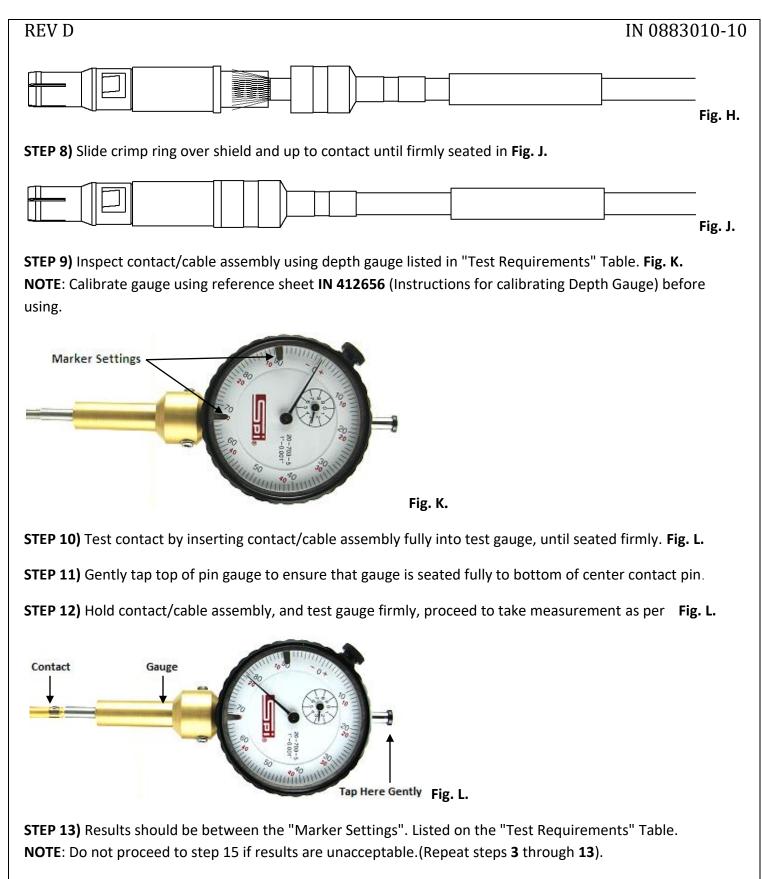
Test Requirements						
Test Type	Voltage (Hi-pot Only)	Pull Test	Depth Gauge	Marker Settings		
Hi-pot	500V DC	1.5lbs	412656	70 - 90		

**NOTE 1:** Refer to **IPC/WHMA-A-620A** standard (Ch. 11.1.2) for cable lengths, measurements and tolerance. **NOTE 2:** Overall length of cable should be less 3/8" to compensate for the contact attachment.

**STEP 1)** From the "Contact Crimp Information" Table, use the crimp tool and hex die set listed.

**STEP 2)** Ensure hex die, is set to correct indicator as listed in "Contact Crimp Information" Table. **NOTE:** Refer to **Fig. B** for reference.

REV D	IN 0883010-10					
	Hex Die					
Fig. B. (452300)	Detail A. (452312)					
STEP 3) Using a ruler along with wire strippers or automatic w						
dimensions in the "Strip Length" column. Example of stripped	wire shown below in Fig. C.					
- C						
	Fig. C.					
	н <u>в</u> . с.					
<b>STEP 4)</b> Slide crimp ring over cable. Pull shield back over the c	able outer jacket and slide Teflon over					
dielectric as shown below in <b>Fig. D.</b>	a shield to provent shorts					
<b>NOTE:</b> Ensure that no strand of Center Conductor contacts th	e smeld to prevent shorts.					
TEFLON SHIELD FOLDED BACK						
STEP 5) Tin center pin and center wire. Insert cable center wire	re into center conductor and solder in place.					
Fig. E. and F.						
	Fig. E.					
	U					
	Fig. F.					
STEP 6) Ensure dielectric is fully seated in shell. Slide shell assembly onto center conductor/cable sub- assembly until fully seated as shown in Fig. G.						
	Fig. G.					
STEP 7) Evenly form shielding over contact as shown in Fig. H	• Page <b>2</b> of <b>4</b>					



STEP 14) Use crimp tool, and crimp large diameter of crimp ring in location (A) of hex die Fig. M.

## REV D

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STEP 15) Crimp small diameter of crimp ring in location (C) of hex die. Fig. N.

**NOTE:** Make sure the contact seats properly in the stops aligned with locations on hex die **Figs. M** and **N** details.



Fig. M. (Front View)





Detail (Back View)



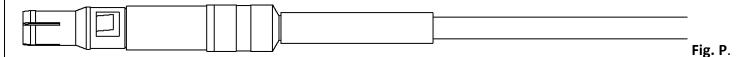
Detail (Back View)

**STEP 16)** Perform a "pull and return test" as per **IPC/WHMA-A-620A** standard (Ch. 19.7.2.1) utilizing a pull force of 1.5lbs.

**STEP 17)** Gauge crimped contact/cable assembly again using the depth gauge (steps 9 to 15). The reading should still be within range.

**STEP 18)** Perform a "Hi-pot" test to the settings listed in "Test requirements". If a "pass" test occurs proceed to next step.

**STEP 19)** Shrink heat-shrink onto crimp ring, to match the image below in **Fig. P**, to complete cable assembly.



NOTE: Shrink-tube is to provide strain-relief.