1. Scope

This document specifies the cable assembly processes of DF80 series(DF80 \times -*P-0. 5SD, DF80 \times -*P-SHL) terminated with micro coaxial cable .

2. Part Number

Item	Description	W. Classification	
DF80※-*P-0.5SD	Connector unit	 Classification Pin counts 	
DF80X-*P-SHL	Shell		

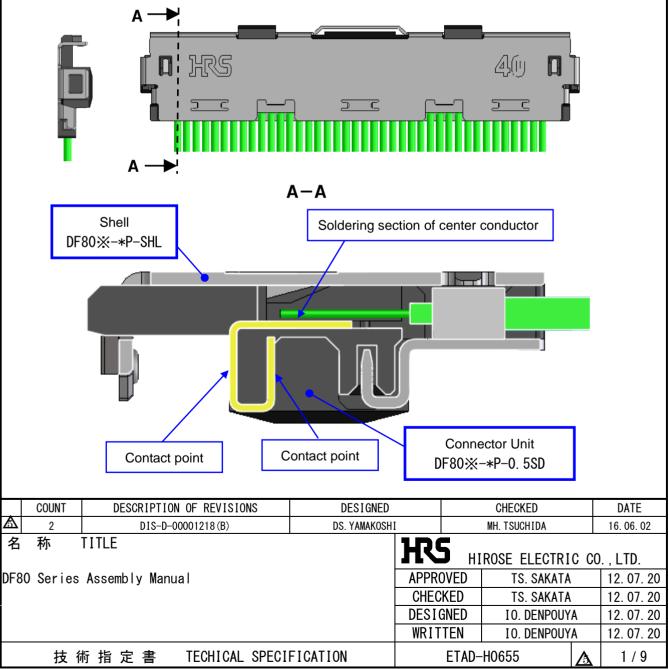
3. Required Components

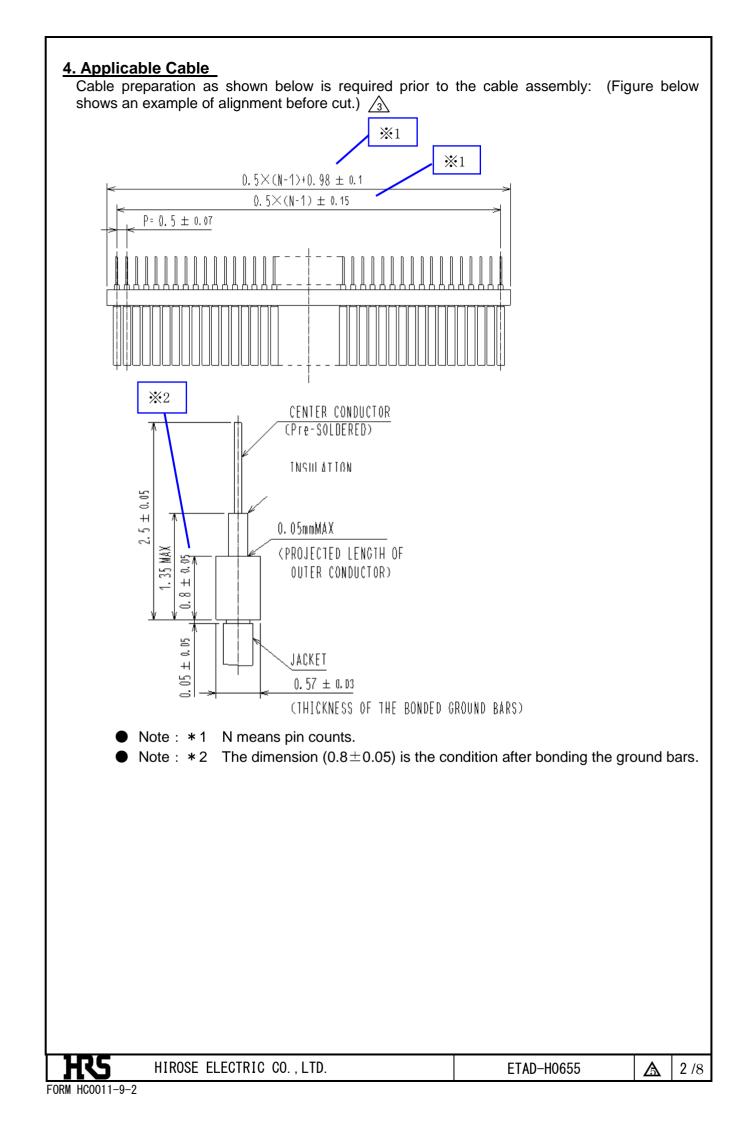
The connector (DF80 series) consists of a connector unit and a shell.

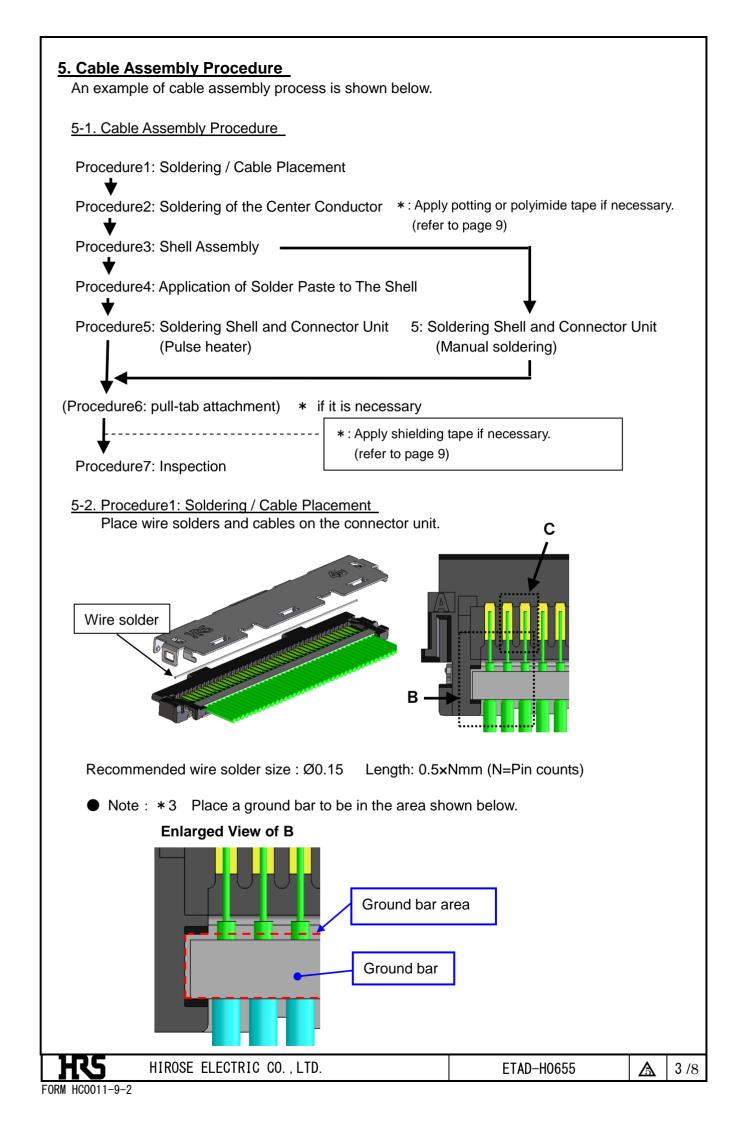
The assembly process is as follows;

-Solder the center conductor of micro coaxial cables / discrete cable to the connector unit

- Assemble the shell to the connector unit

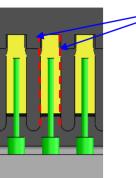






Note : *4 Cable assembly with the center conductor extending from the contact width could cause short circuit by solder bridge and/or deterioration of withstanding voltage performance. Carry the withstanding voltage check and make sure that the result satisfies the performance specified by Hirose.

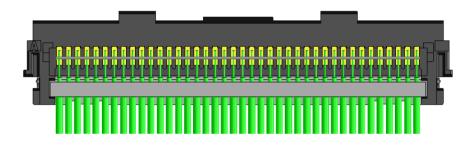
Enlarged View of C



Withstanding voltage failure could occur if the center conductor extends from these lines.

5-3. Procedure2: Soldering of the Center Conductor

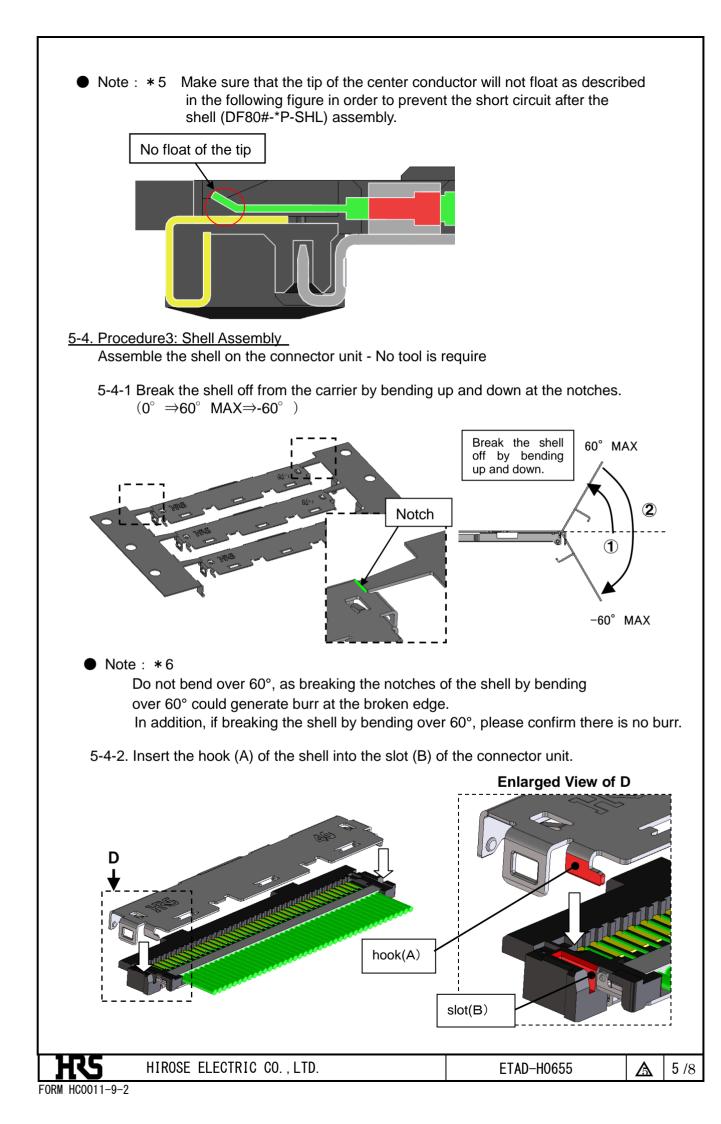
Solder all the center conductors at the same time with pulse heater.

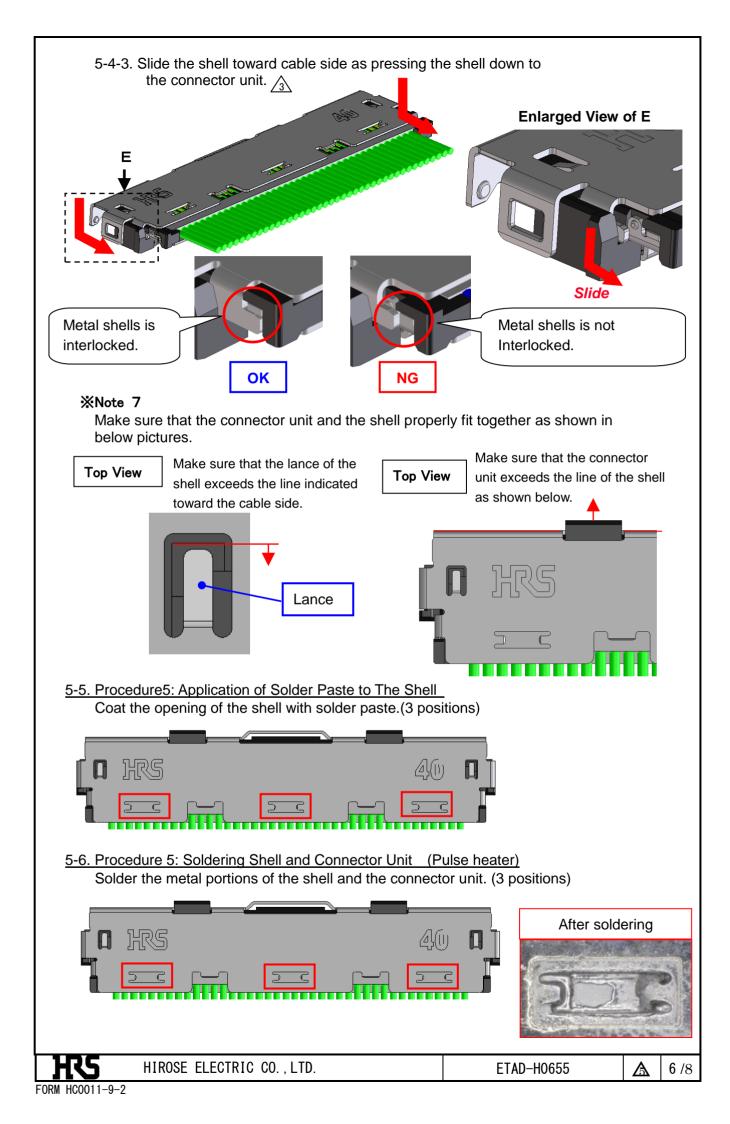


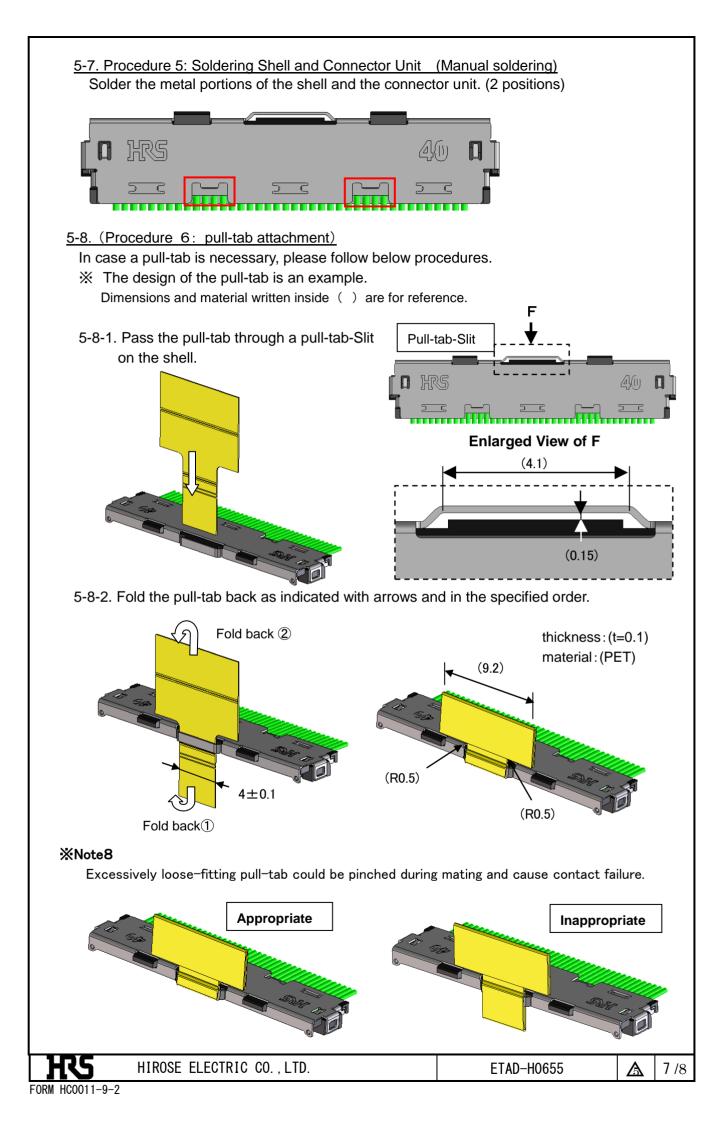


Heat conditions for soldering Method: Max 330 degree C up to 3 seconds / over 200 degree C up to 30 seconds Requirement: No melting of the insulator









5-8. Procedure7: Finished Dimension Finished dimension is shown below. $\overline{\Lambda}$ 5-9. Procedure7: Inspection Check the continuity and the voltage proof to verify that the product satisfies the performance as specified in our specification sheet.

SPECIFICATION SHHET ELECTRIC CHARACTERISTICS		
INSULATION RESISTANCE	50MΩ MIN	
VOLTAGE PROOF	NO FLASHOVER OR BREAKDOWN UNDER	
	AC150 V, FOR 1 MINUTE.	

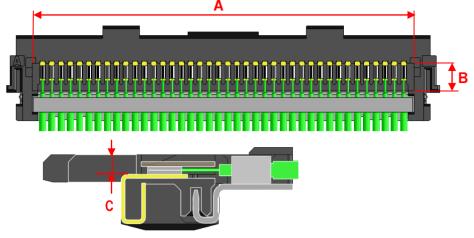
1.69±0.1	
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	RS	
FORM	HC0011 - 9 - 2	

HIROSE	ELECTRIC	CO. , LTD.
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Resin sealing or polyimide tape attachment is allowed to the area indicated as shown.



Size list

contact	А	B ※1	C ※2
30P	10.5mm	1.45mm	0.4mm
40P	15.5mm		
45P	18.0mm		
50P	20.5mm		

※1:Please contact us for the dimension C of DF80D-*P-0.5SD with cable alignment guide design, as the dimension is different.

*2:Note that the dimension includes the height of cable conductor and solder filet, and select the tape to satisfy the dimension.

Area of shielding tape attachment

Shielding tape attachment is allowed to the area indicated as shown.

