Dynamic 1000 Slim Connector

All numerical values are in metric units. Dimensions are in millimeters. Figures and illustrations are for identification only and are not drawn to scale

1. INTRODUCTION

This specification contains the regulations for assembly of D1000 Slim connector and the handling of these connector.

2. SUPPORTING DOCUMENTS

2.1. Customer drawing

Please refer to the customer drawings of D1000Slim Connector

2.2. Product specification

The product specifications of the using articles are to be considered. The product specification describes the technical data as e.g. regulations, approvals, temperature range and rated voltage.
For further reference refer Product spec 108-140257.

2.3. Application Specification

Connectors shall be assembled as below mentioned application specifications to ensure correct connector assembly.

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3. PRODUCT COMPOSITION

Product composition of D1000 Slim Connector are shown in Figure 1

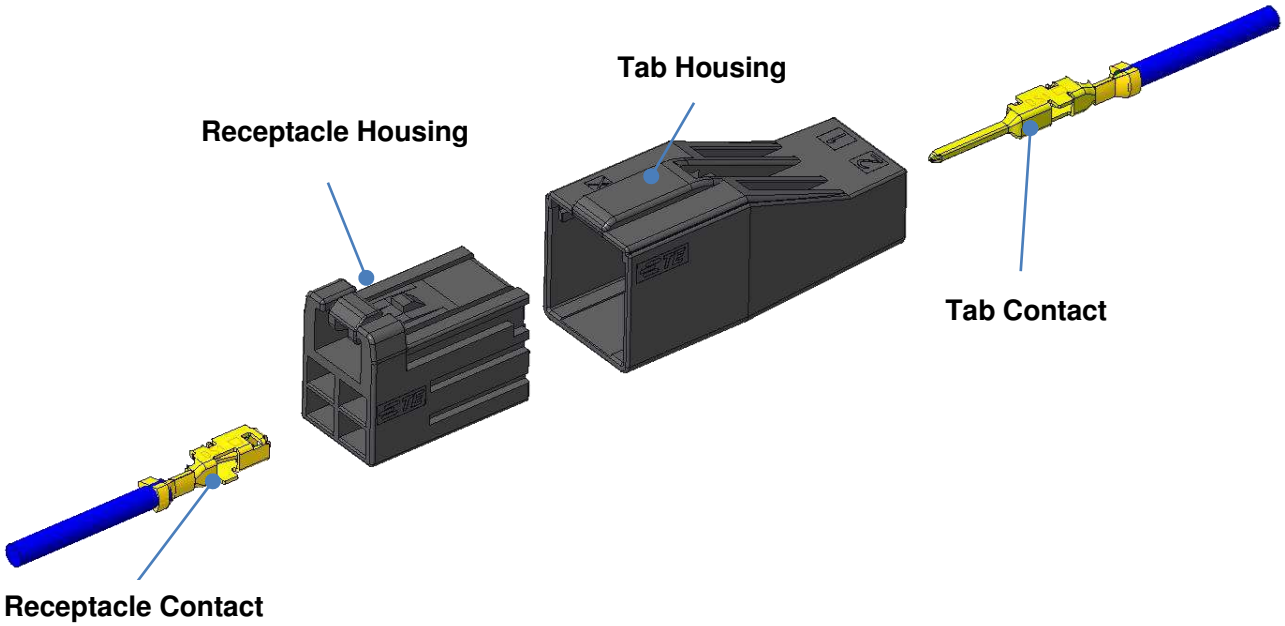


Figure.1 Product composition

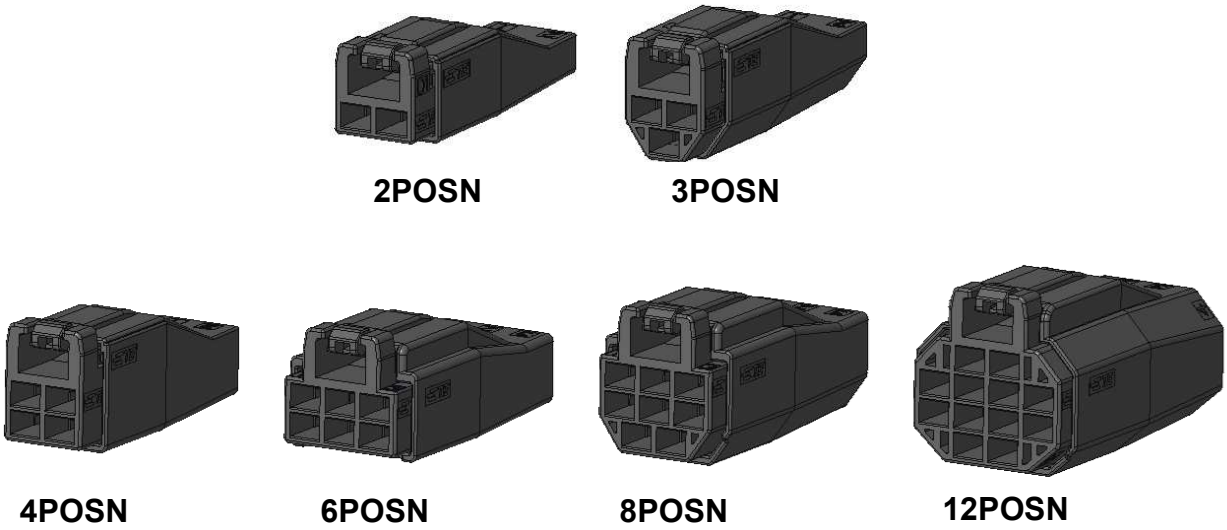


Figure.2 Product Appearance of each POSN

4. REQURIEMENT

4.1. Applicable Contacts and Housing

Table 1

Description	Contact Size	Contact		Crimp Requirements
		Tab	Receptacle	
		Part Number	Part Number	
D1000 Slim Contact	S	2367819-1 : Reel 2367820-1 : L/P	2367817-1 : Reel 2367818-1 : L/P	114-5377
	M	2367819-2 : Reel 2367820-2 : L/P	2367817-2: Reel 2367818-2 : L/P	

Table 2

Description	Positions	Part Number	Applicable Contact
D1000 Slim Connector Receptacle Housing	2POSN	□-2375948-2	2367817-X 2367818-X
	3POSN	□-2375948-3	
	4POSN	□-2366515-4	
	6POSN	□-2366515-6	
	8POSN	□-2366515-8	
	12POSN	□-2366515-2	
D1000 Slim Connector Tab Housing	2POSN	□-2375951-2	2367819-X 2367820-X
	3POSN	□-2375951-3	
	4POSN	□-2366600-4	
	6POSN	□-2366600-6	
	8POSN	□-2366600-8	
	12POSN	□-2366600-2	

※1 □:1, 3, 5, 7 is X key 2, 4, 6, 8 is Y key

After crimped contact, do not deform the contact lance by external force when store crimped contact.

4.2. Assemble crimped contact to Housings

4.2.1. Insert Crimped Contact to Housing

Insert the contacts into the housing according to the following process.

① Before inserting contact, check that the housing to be inserted contact is the applicable housing. (Refer to Table.2 about applicable housing and contact)

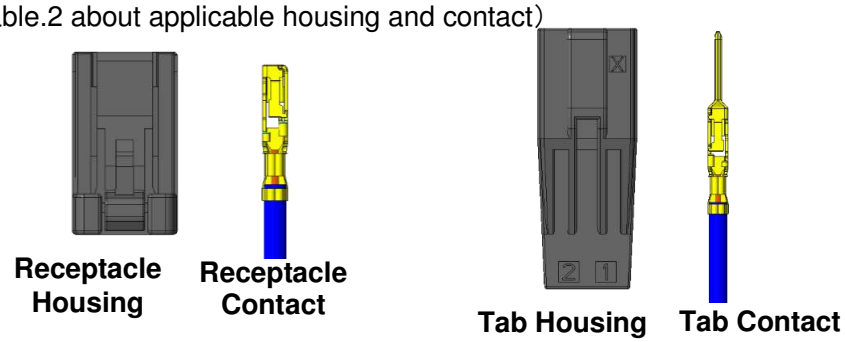


Figure.3 Housing and Applicable contact

② Contact insertion direction
Contact insertion direction are shown in Figure.4 and 5. Insert the contact by referring to the Row ID and contact lance direction shown in the below figures

・Tab Housing

Insert the contact so that the contact lance and Row ID are in the same direction

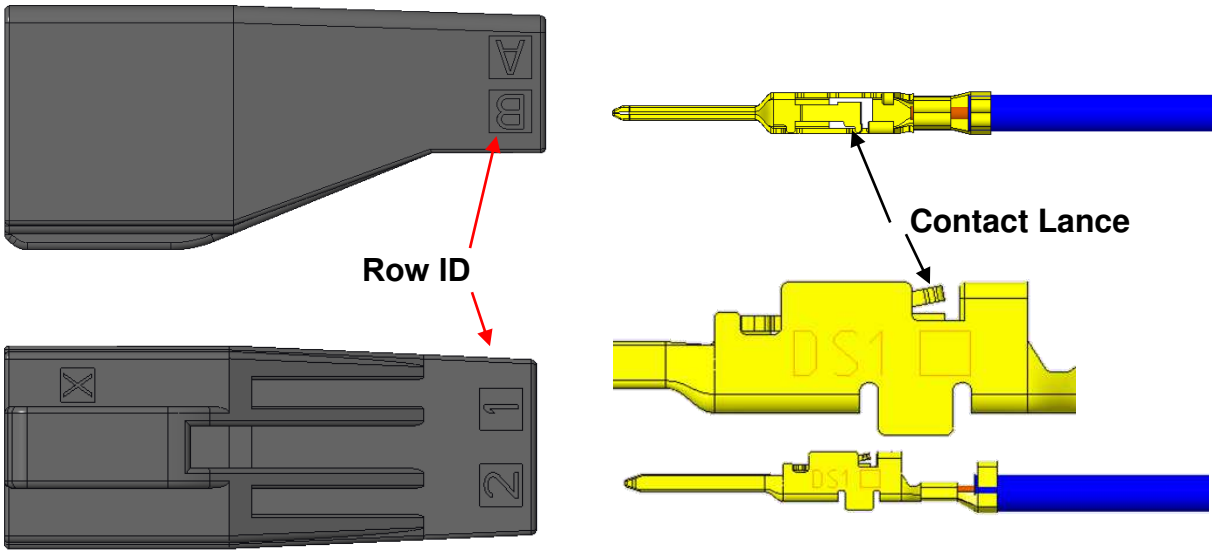


Figure.4 Insertion direction of Tab Contact

・Receptacle Contact

Insert the contact so that the contact lance and Row ID are in the same direction

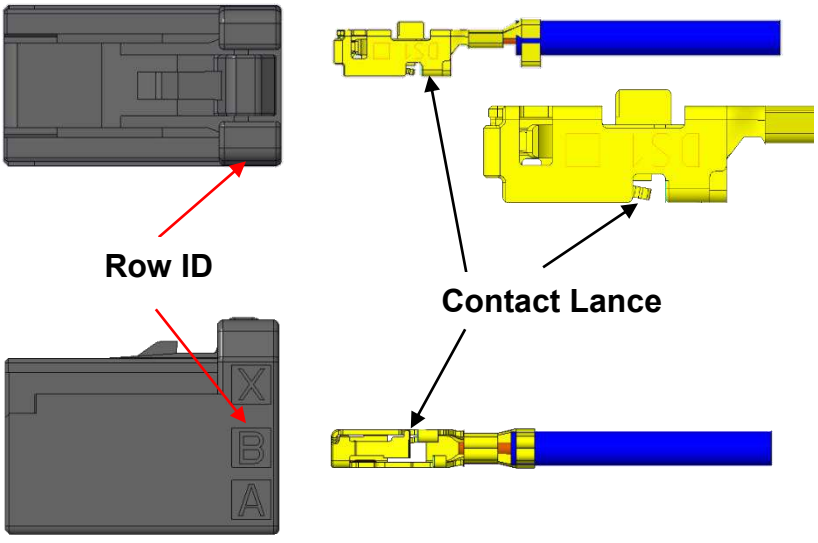


Figure.5 Insertion direction of Receptacle Contact

③ Insert crimped contact to housing. (Refer to Figure.6)

Push the crimped contact softly and straight into the housing until hear a click sound and appropriate position for the contacts to be locked.
After inserting the contact, pull the cable lightly and check that it is locked.

If pull wire too hard, it may break or the contact may be removed, so do not apply excessive load.

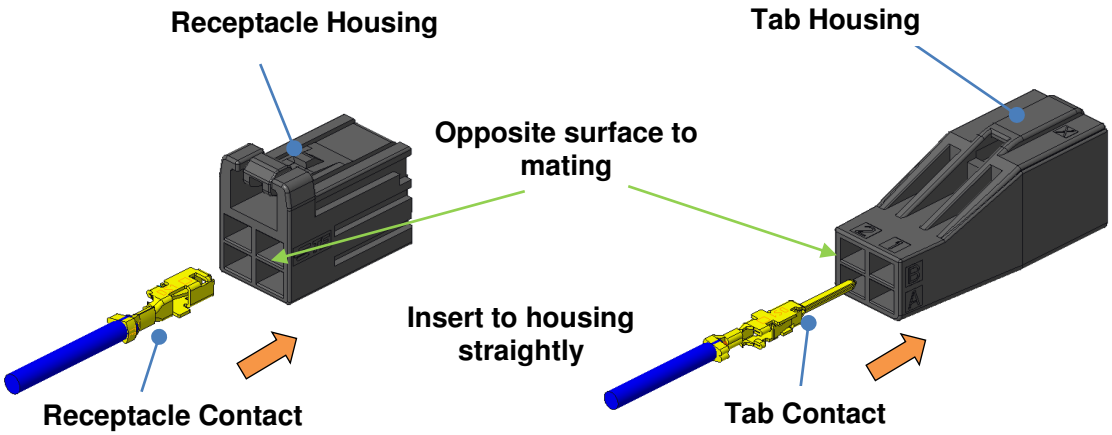


Figure.6 Contact Insertion

4.2.2. Extracts of crimped contact

If crimped contact is extracted from housing, using the dedicated extraction tool. Regarding Etraction method, please refer to 408-78152

4.3. Assembly

4.3.1. Mating connector

When mating the connector, check that mated connectors are same number of poles and the same keying, and push it straight in and slowly until hear a click sound while holding the connector. After finish mating, check that the connector is locked. (Figure. 7)

Different Keying or different position of connectors must not be mated as the connectors may be broken.

If the connector is mated diagonally, buckling of the contact and breakage of the housing may occur so connector is pushed straightly in.

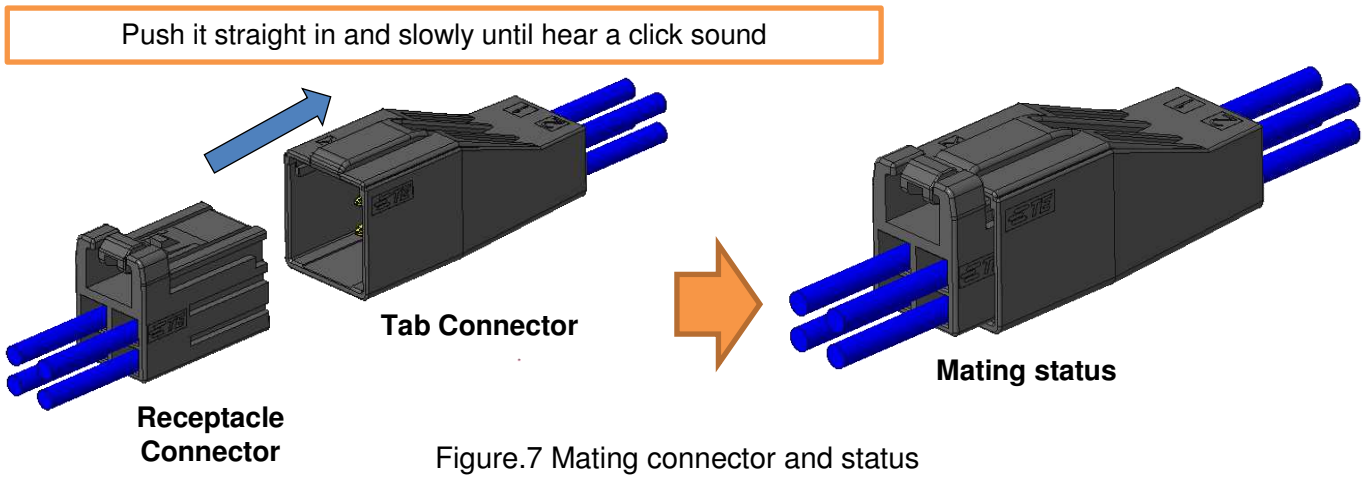


Figure.7 Mating connector and status

4.3.2. Un-Mating connector

Push down the lock lever on the REC housing to release the lock. With the lock lever pushed down, pull out the connector

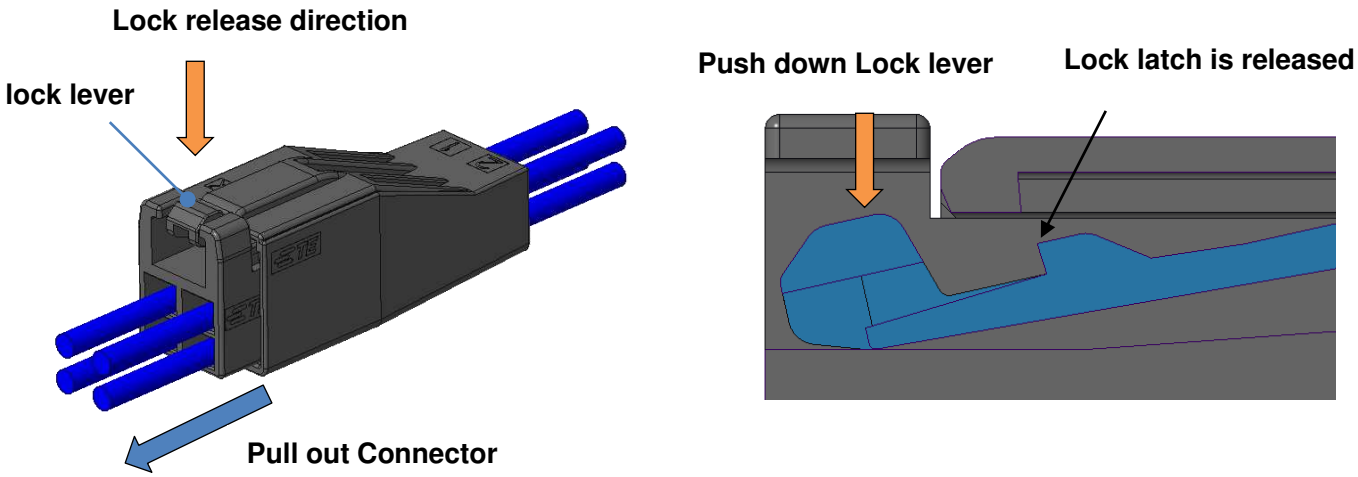


Figure.8 Un-Mating connector

5. STORAGE

5.1. Chemical exposure

Do not store the connectors near any chemical listed below as they may cause corrosion stress the connector contacts:

Alkalies, Ammonia, Citrates, Phosphates, Citrates, Sulfur, Amines, Carbonates, Nitrites, Sulfides, Nitrites, Tart rates.

5.2. Storage condition

The connectors should be stored in the air ventilation, no corrosive gas, no rain and no snow in the warehouse. Relative humidity: less than 85% RH. The connectors should remain in the shipping containers until ready for use to prevent deformation to the contacts. The connectors should be used on a first in, first out basis to avoid storage contamination that could adversely affect electrical functions.