

Application Specification

Mini Dynamic Receptacle Connector

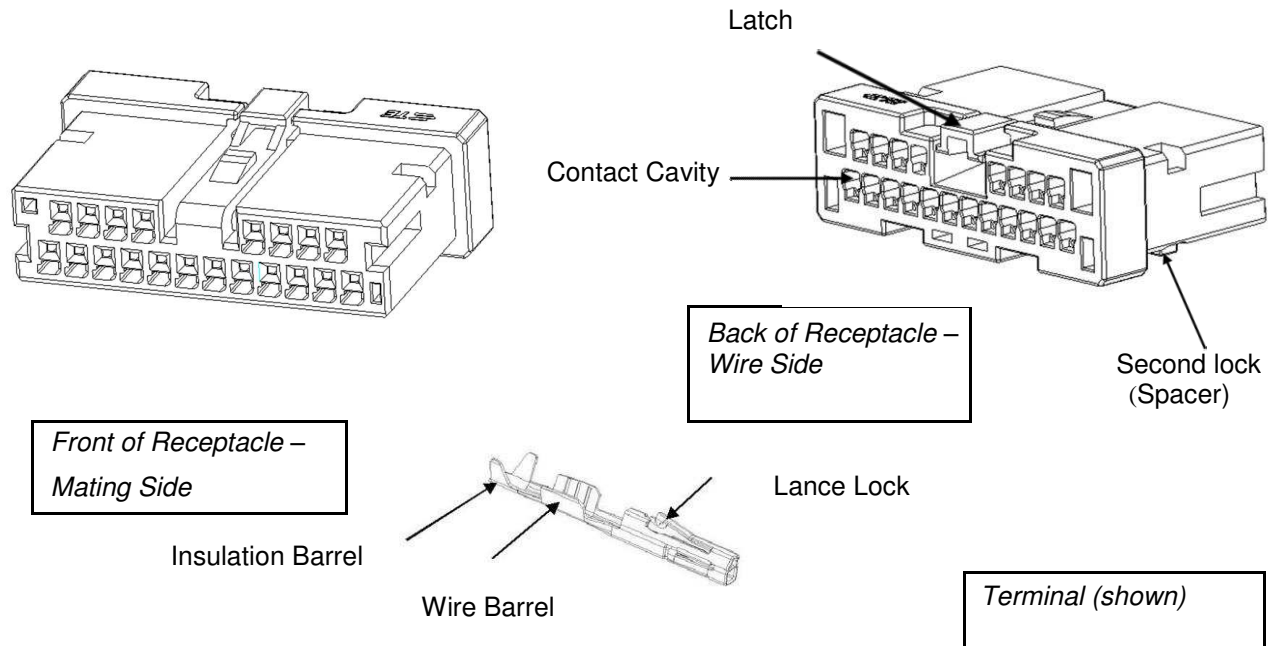
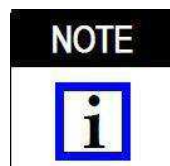


Figure 1

1. INTRODUCTION

This instruction sheet provides information on the assembly procedures for the Mini Dynamic Receptacle Connector. Representative connector housing is shown in Figure 1. While this instruction sheet depicts only the 20P, it is applicable to other connector sizes within this family. Part numbers for this connector are 2834461-* Applicable female contact part numbers are 2834464-*



All dimensions on this document are in metric units. Figures and illustrations are for reference only and are not drawn to scale

Read these instructions carefully before attempting any assembly procedures. Also refer to Application Specification 114-137526 for termination requirements.

2. DESCRIPTION

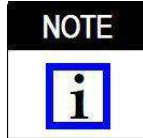
Figure 1 provides the components required to make the assembly in this instruction sheet. Contact material is made from a copper alloy, tin plated. The connector housings are made from glass content plastic materials.

3. ASSEMBLY PROCEDURES

3.1 Contact Assembly

The following procedures provide the details of the contact installation into the connector housing

3.1.1 Terminate the contacts to the correct wire size according the information provided in the specific application specifications.



The connector housings are shipped with the secondary locks in an open position, however, during shipping, the secondary locks may become closed. Make sure the locks are in the OPEN position before any contacts can be inserted into those contact cavities. See Figure 2.

3.1.2 The terminated contact must be aligned with the contact cavity at the wire end of the connector and oriented as shown. The contact is oriented toward the secondary lock. See Figure 3. Terminals will only easily go into cavity in one orientation.

partially install terminals, push/pull on the wire of each contact to ensure they are fully inserted and the primary locking lance on each contact is fully seated in housing.

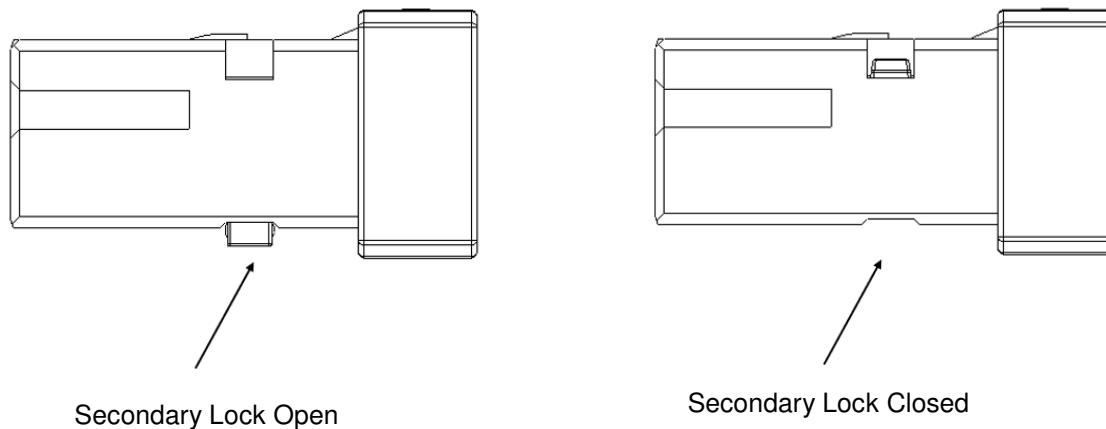


Figure 2

3.1.3

Each contact must be inserted into a contact cavity until the primary locking lance on the contact is fully seated. See Figure 4. (There should be an audible and tactile click which indicates that the contact has been fully inserted.) Pull back gently to ensure the contact has been locked in place.

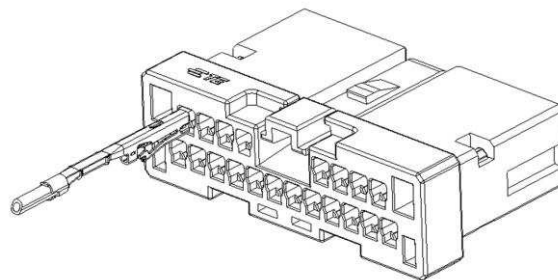
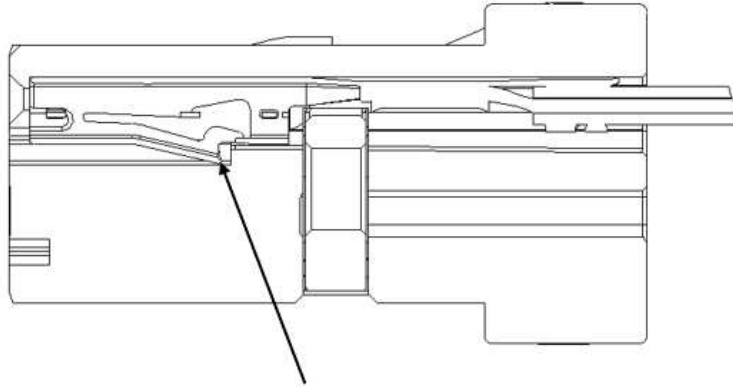


Figure 3

3.1.4

The secondary lock must be pushed to the CLOSED position. The secondary lock is in the CLOSED position. After all desired contact positions are loaded if both sides of the secondary lock does not sit smoothly with the adjacent (bottom) surfaces of the connector body, it is likely that one or more contacts are not fully installed.



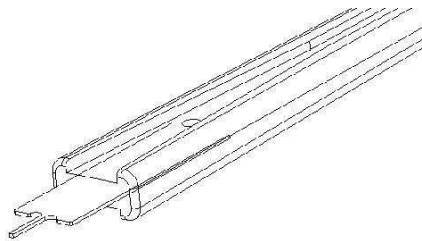
Contact pulled back

Figure 4

3.2 Replace contact

The second lock must be in the OPEN position before any contacts can be removed from the contact cavities. A small jewelers screwdriver with a maximum width of 3.5 mm must be used to pry open the latch.

The primary locking lance of the contact must be deflected before the contact can be removed from the connector. A suitable tool, (see Figure 5), must be inserted into the corresponding contact removal window to deflect the primary contact locking lance, and the wire must be gently pulled (while still using tool to deflect lance lock) to remove the contact from the connector.



Contact Removal Tool (P/N: 2834501-1)

Figure 5

3.2.1 Press second lock as Figure 6 shows to make second lock to open status as Figure 2.

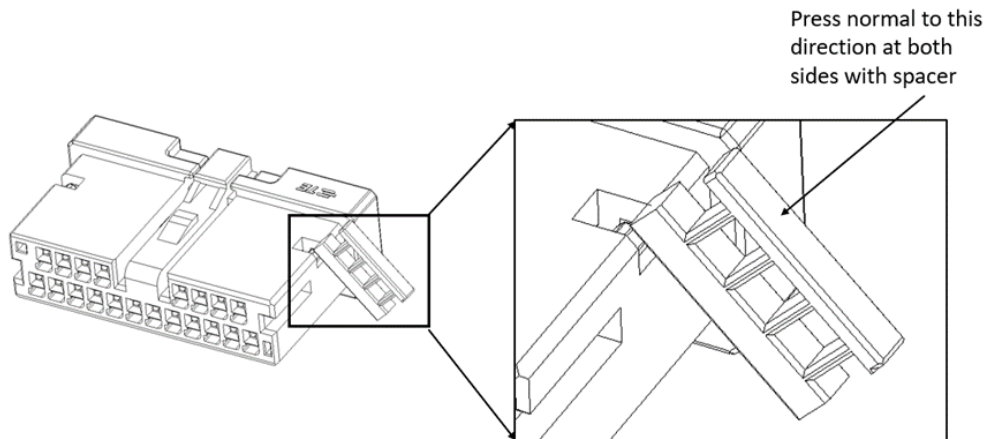


Figure 6

3.2.2 Insert contact removal tool (as shown in Figure 7) into the selected exposed contact cavity, as shown in Figure 7, press primary locking lance back and pull out contact as shown.

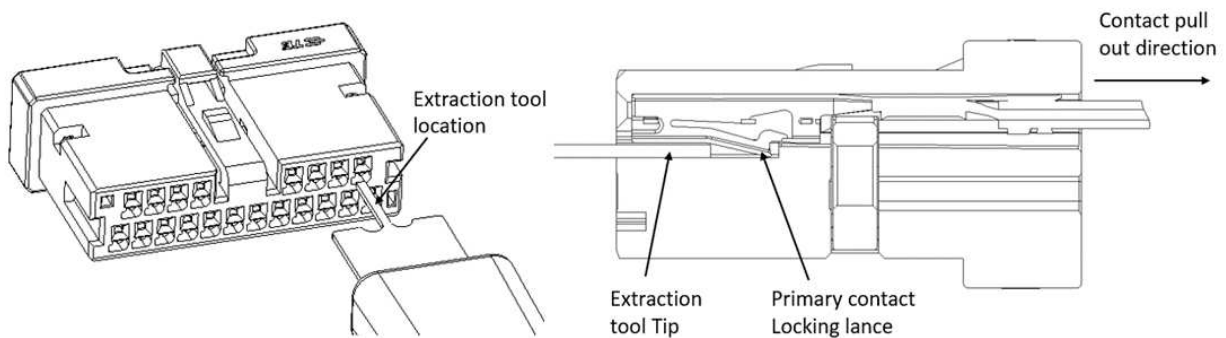


Figure 7

3.3 Header and Receptacle mating and unmating

Press latch down and push and pull receptacle without any damage as Fig 8 shown.

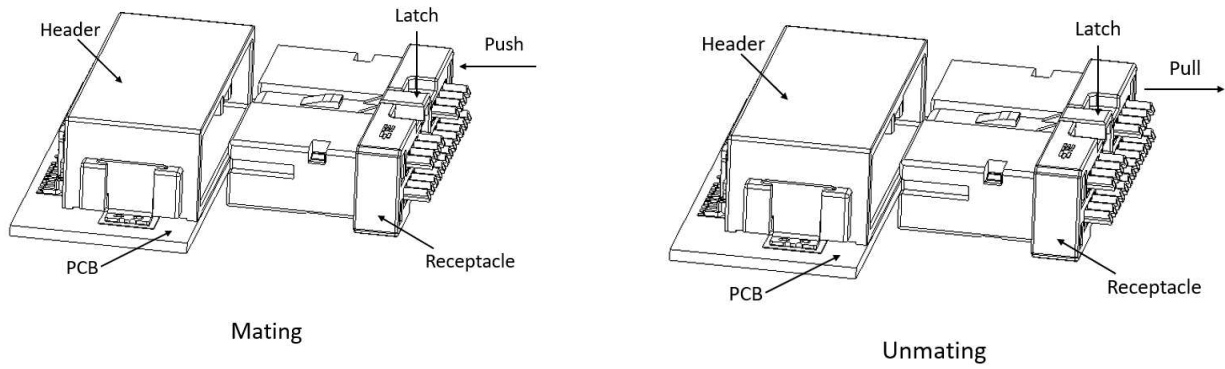


Figure 8