In case of consideration for using Automotive equipment/device which demand high reliability, kindly contact our sales window correspondents.
In order to prevent any potential failures with the connector, please read the following below:

**Through Hole Reflow Process**

FX23 and FX23L series use through hole reflow process, where power contact metal fittings draw solder paste from the surrounding area. In regards to the soldering paste print area, the surface shall be flat with no exposed copper surface. If the surface is not flat, power contact metal fittings may not properly draw the soldering paste, resulting in insufficient solder on the power contact metal fittings as well as ball-shaped solder on the PCB.

When applying solder from the opposite side of the PCB due to the unavailability in solder space on the mounting side, there may be a case where solder is insufficiently applied to power contact metal fittings. Please check if the power contact metal fittings are properly soldered when doing so.

**Board Stabilization**

This connector can absorb some degree of board vibration, but cannot absorb excessive vibration. When boards are stacked with a connector only, the connector will be loaded excessively, which may result in damage or contact failure. Take measures to secure boards with an object other than connector as shown in the following figure.

Note that when a spacer is installed far from connectors, incomplete mating of the connectors may occur due to sagging of the board, etc. Note connectors surely and then fix a spacer.

**In Regards to Design Guideline**

To provide more information in regards to the usage of this product, we have prepared a detailed manual (ETAD-FC08B7-00). Please contact our sales representative if needed.