

MHF[®] 4(4L) RECEPTACLE HIGH CYCLE SMA ADAPTER

Part No. 90698-0001

Instruction Manual

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Rev.	ECN	Date	Prepared by	Checked by	Approved by

1. Purpose

This document contains instruction manual on inspection SMA adapter for MHF 4(4L) RECEPTACLE, MHF 4(4L) RECEPTACLE HIGH CYCLE SMA ADAPTER, for safe operation and cautions on test procedures.

◆ Inspection SMA adapter

Product name: MHF 4(4L) RECEPTACLE HIGH CYCLE SMA ADAPTER

Parts No. : 90698-0001

◆ RECEPTACLE

Product name: MHF 4 RECEPTACLE

Parts No.: 20449-001E-**

Product name: MHF 4L RECEPTACLE

Parts No.: 20579-001E-**

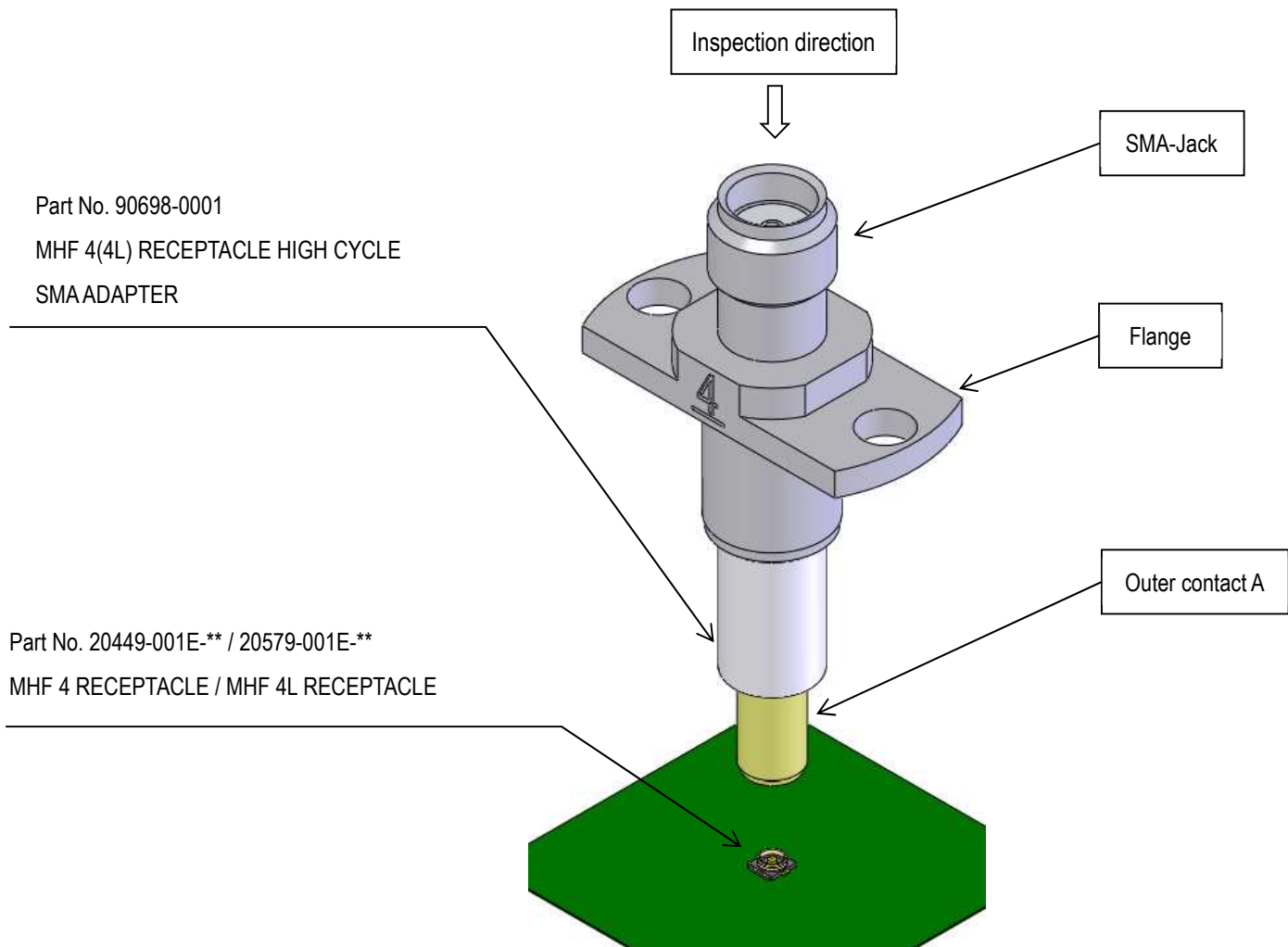


Figure 1. Part names

2. Flange dimensions and layouts of peripheral components

Peripheral components of the MHF 4(4L) RECEPTACLE shall not interference to the inspection adapter when mating to MHF 4(4L) RECEPTACLE.

【Flange dimensions】

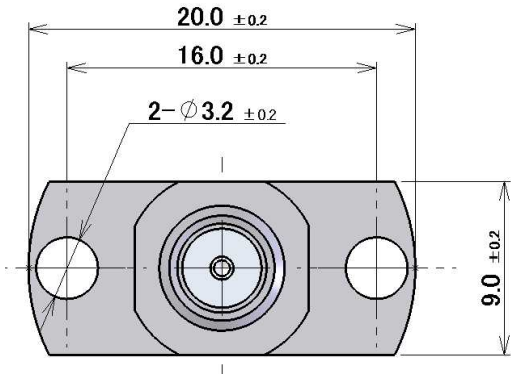


Figure 2. Flange dimensions

【Recommended panel cutout】

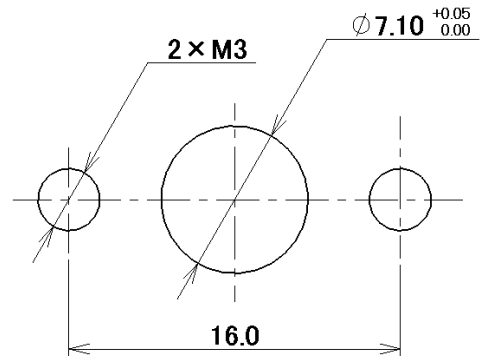


Figure 3. Recommended panel cutout

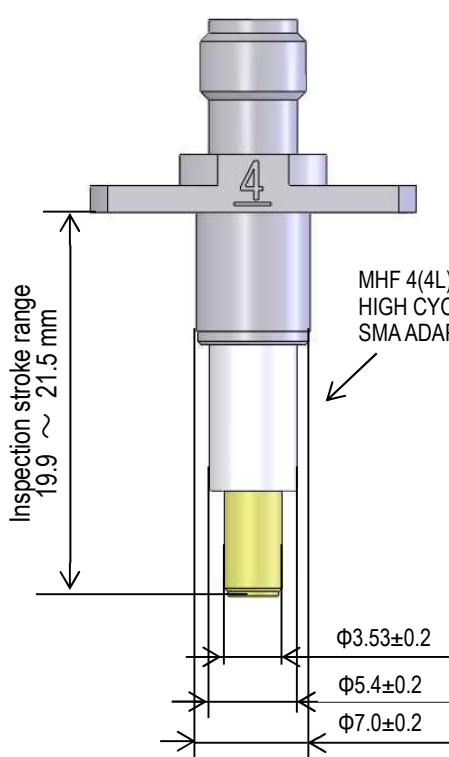


Figure 4. Adapter dimensions
(Adapter: Initial status)

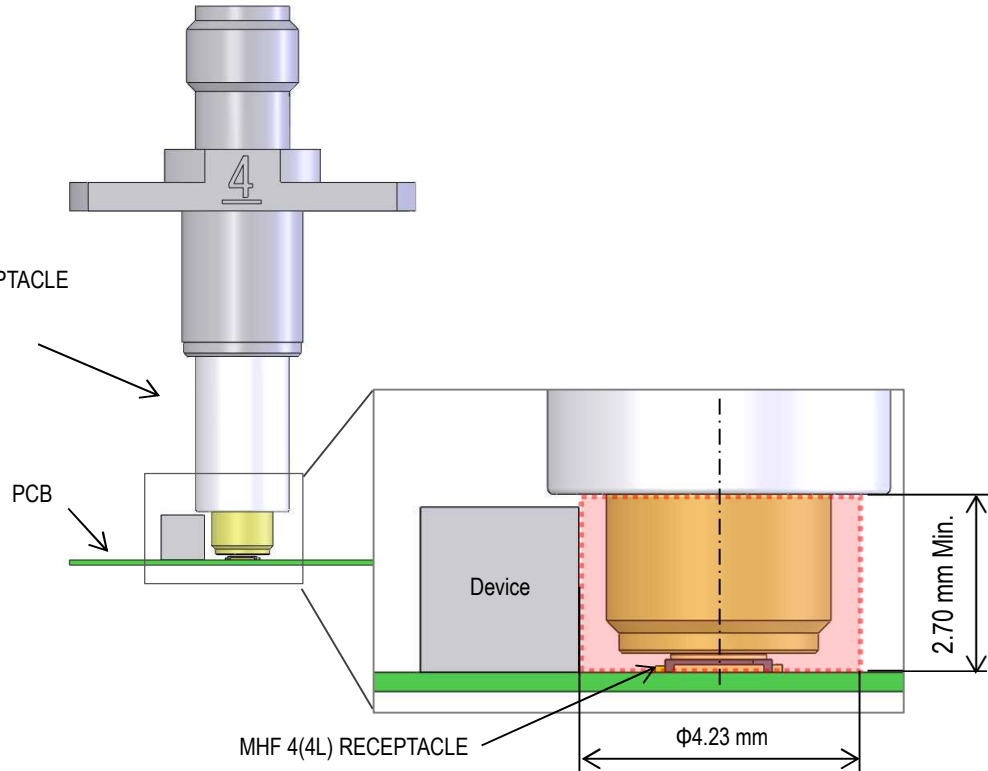


Figure 5. Device placement prohibited area (inside the dotted line)
(Adapter: Max stroke status)

CAUTION

Components 2.70 mm height or over shall not be placed within ϕ 4.23 of MHF 4(4L) RECEPTACLE.

Interference will damage the components and causes inspection failure.

3. Attachment example of MHF 4(4L) RECEPTACLE HIGH CYCLE SMA ADAPTER.

Attach MHF 4(4L) RECEPTACLE HIGH CYCLE SMA ADAPTER to the measuring instrument and secure with 0.57 Nm~0.98 Nm torque wrench.

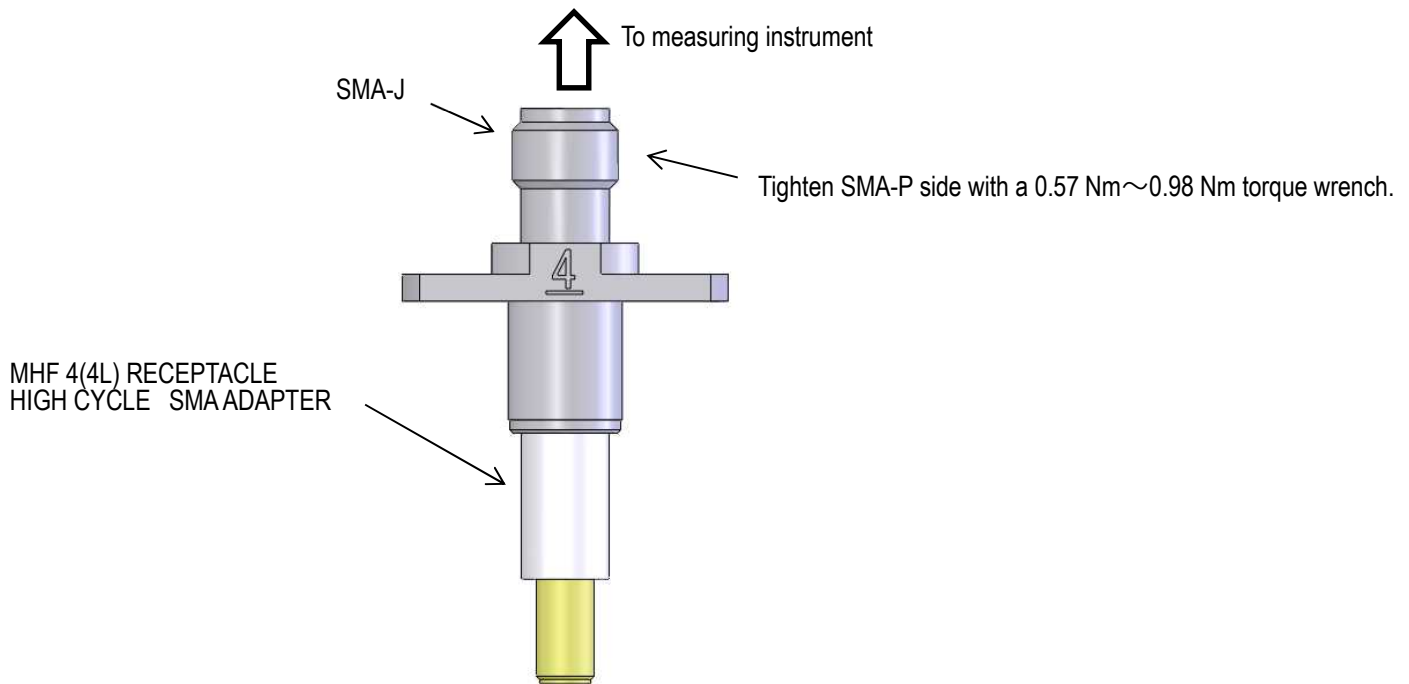


Figure 6. Connection method

CAUTION

Always screw only SMA-P side with 0.57 Nm~0.98 Nm torque wrench. Over tightened SMA connector may break the SMA connector.

4. Example of implementation of the MHF 4(4L) RECEPTACLE HIGH CYCLE SMA ADAPTER

Stroke width (from bottom of the Flange to tip of OUTER CONTACT-A) shall be managed at 19.9~21.5 mm.

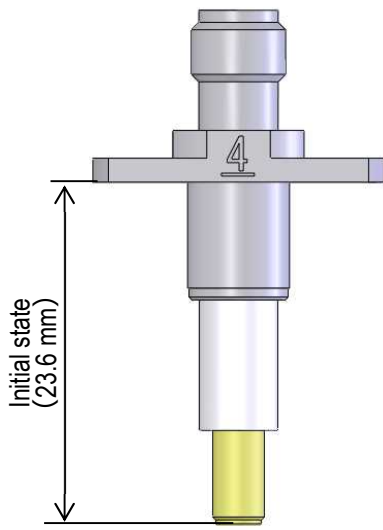


Figure 7. Initial dimensions

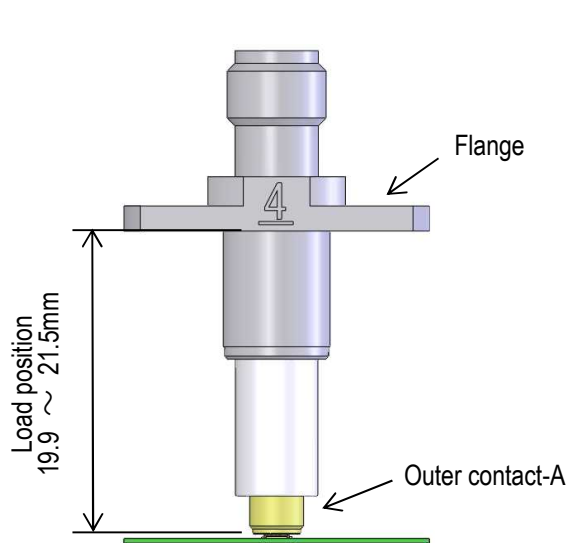


Figure 8. Inspection dimensions

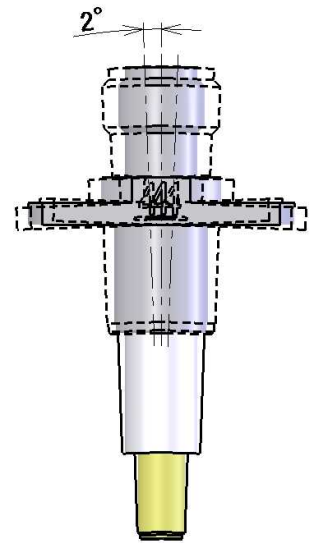


Figure 9. Allowable angle

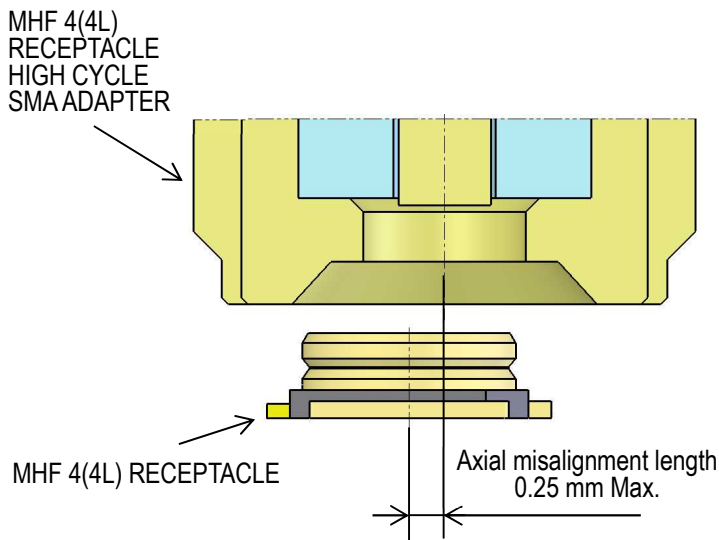


Figure 10. Allowable Axial misalignment length

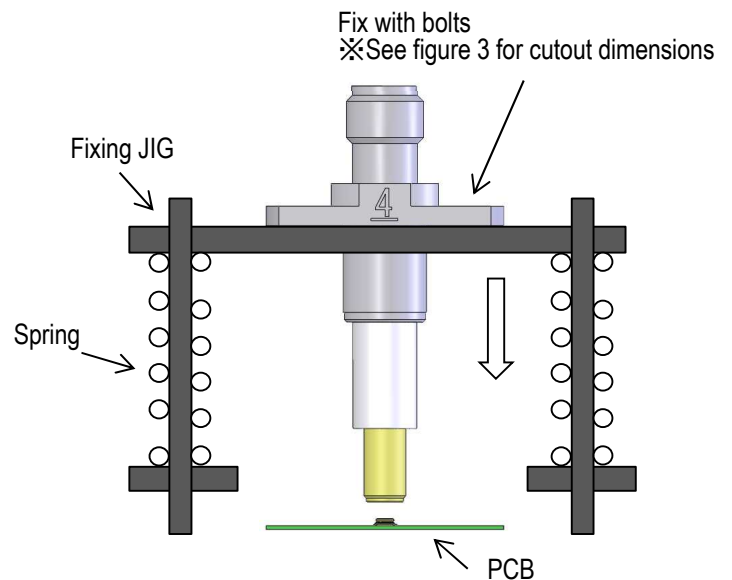


Figure 11. Inspection adapter example of use

CAUTION

1. Refer to figure.2, 3, 11 for layout of the jig.
2. The fixing jig should have floating mechanism.
3. Tilting more than 2 degrees during mating may affect the accuracy of the measurement and may damage the connectors.
4. Exceeded allowable axial misalignment length may disturb connectors from mating and may damage the jig or measurement system.