



Kojiri protection of In-Vehicle Connectors

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■ Agenda

- 1. Feature of In-Vehicle Connectors**
- 2. Kojiri protection**
- 3. Summary**



1. Feature of In-Vehicle Connectors



**Consumer Optical Connector
(LC connector)**



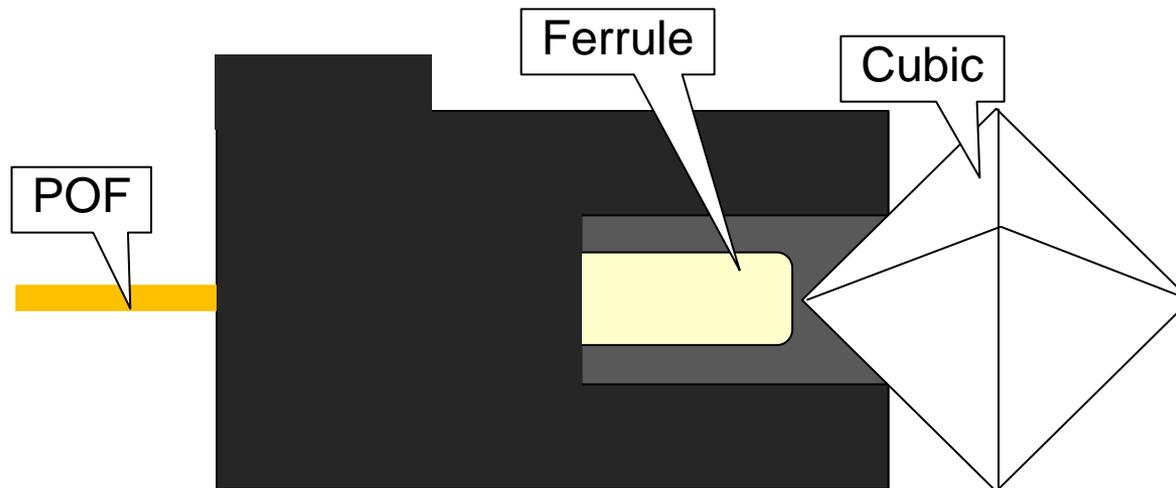
**Vehicle Optical Connector
(MOST connector)**

In order to protect the fiber edge surface from being damaged during the operation of coupling connectors, the edge of ferrules must be recessed of the connector.

2. Kojiri protection

Definition of kojiri protection :

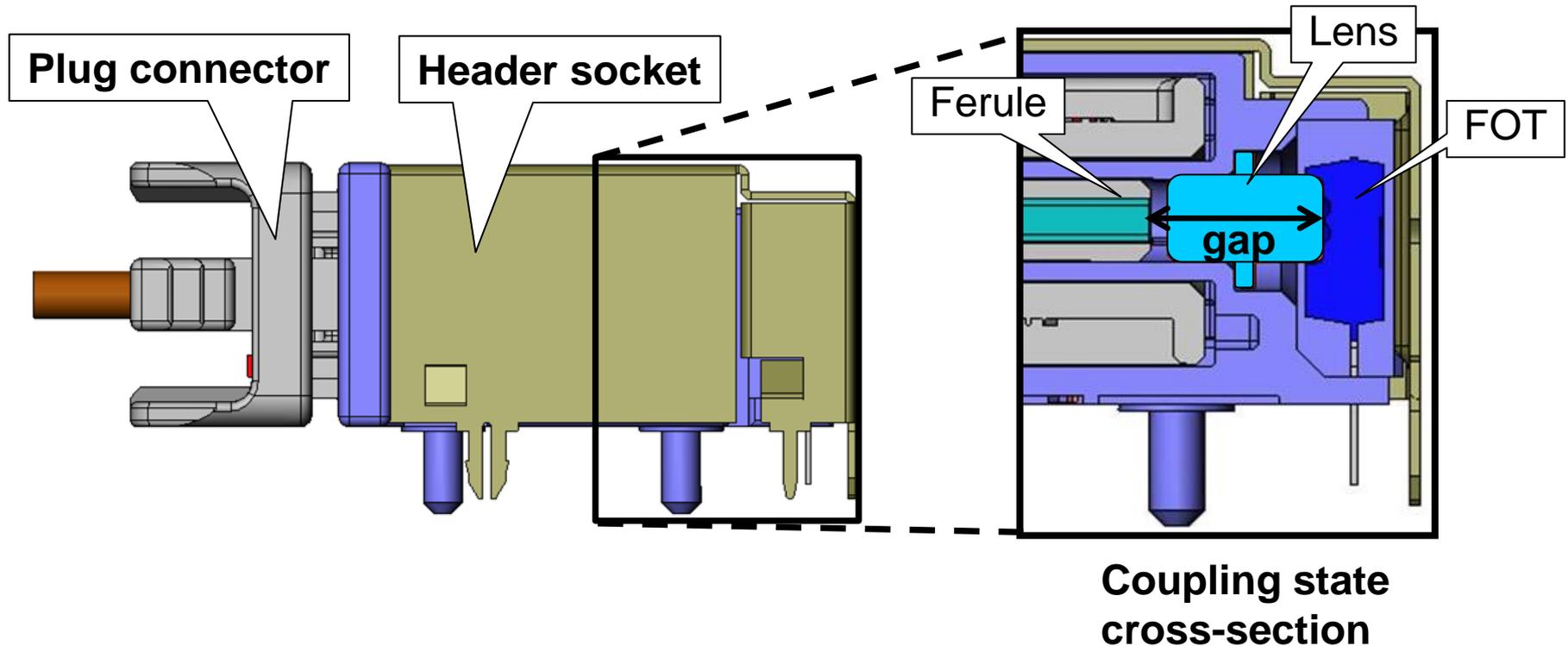
Design the dimensions to protect the edge surface of ferrule in the connector from contact with the angle of cube when inserting



Cross-sectional image of Plug connector



2. Kojiri protection



- The leadframes of FOT interfere with the plug connector due to Kojiri protection, which leaves gap between the FOT and the ferrules.
- The Lens or Micro Pigtail between the FOT and the ferules helps to improve the optical coupling efficiency.



■ 3. Summary

- **As for automotive use, we designed the connector in which the ferrules must be recessed of the connector in order to prevent the POF edge surface from being damaged in the vehicle manufacturing line.**
- **The Lens or Micro Pigtail helps to improve the optical coupling efficiency.**



Thank you