Note : This document has been translated from a part of the Japanese original for reference purposes only. In the event of any discrepancy between this translated document and the Japanese original, the original shall prevail.

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To whom it may concern,

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Collaboration with KEL Corporation in Prototype Development of In-Vehicle Small Coaxial Connectors

1. Background and Objective

IRISO ELECTRONICS CO., LTD. (Headquarters: Yokohama City in Kanagawa, President and CEO: Hitoshi Suzuki) and KEL Corporation (Headquarters: Tama City in Tokyo, President and CEO: Akira Kasuga) have announced that the two companies have successfully developed a prototype of in-vehicle small coaxial connectors through joint research and development to meet the growing demand for automotive coaxial connectors. These connectors support high-speed data transmission and wide bandwidth that are required in response to the advancement of AD/ADAS and the accelerated development of SDVs.

2. Product Feature

The in-vehicle small coaxial connectors for automotive use will cover high frequency bands up to 9 GHz, which makes them usable in even sophisticated AD/ADAS systems. Furthermore, the reduced size and diameter of the connectors will help with high-density applications to ECUs and appropriate harness routing.

■ Product Name and Number

・Product name: Small coaxial waterproof connector (board side and harness side)

■ Main Features

・Compact waterproof coaxial connector for automotive use

Board side: 12.4 x 10.7 x 14.8 mm (Height x Width x Depth)

Cable side: 11.45 x 9.1 x 20.65 mm (Height x Width x Depth)

Protruding dimension of cable side when mated: 11.5 mm

Small diameter compatible: Can be routed through holes of Φ 12 mm

・Excellent high frequency characteristics: 9 GHz (USCAR)

・Supports through-hole reflow mounting

■ Main Uses

・AD/ADAS control unit and sensor connection

・Communication unit and antenna connection

・Other coaxial harness connections between various ECUs

3. Development Schedule

Through this joint development, the two companies will evaluate the prototype and prepare for mass production by the end of FY2025.

4. Impact on Business Performance

The impact on the company's FY2025 results is expected to be minor. If future development or commercialization is expected to have an impact on its business performance, any relevant information will be disclosed promptly.