

MOST™ Compliant Connector for Automotive Near-field Optical Communication

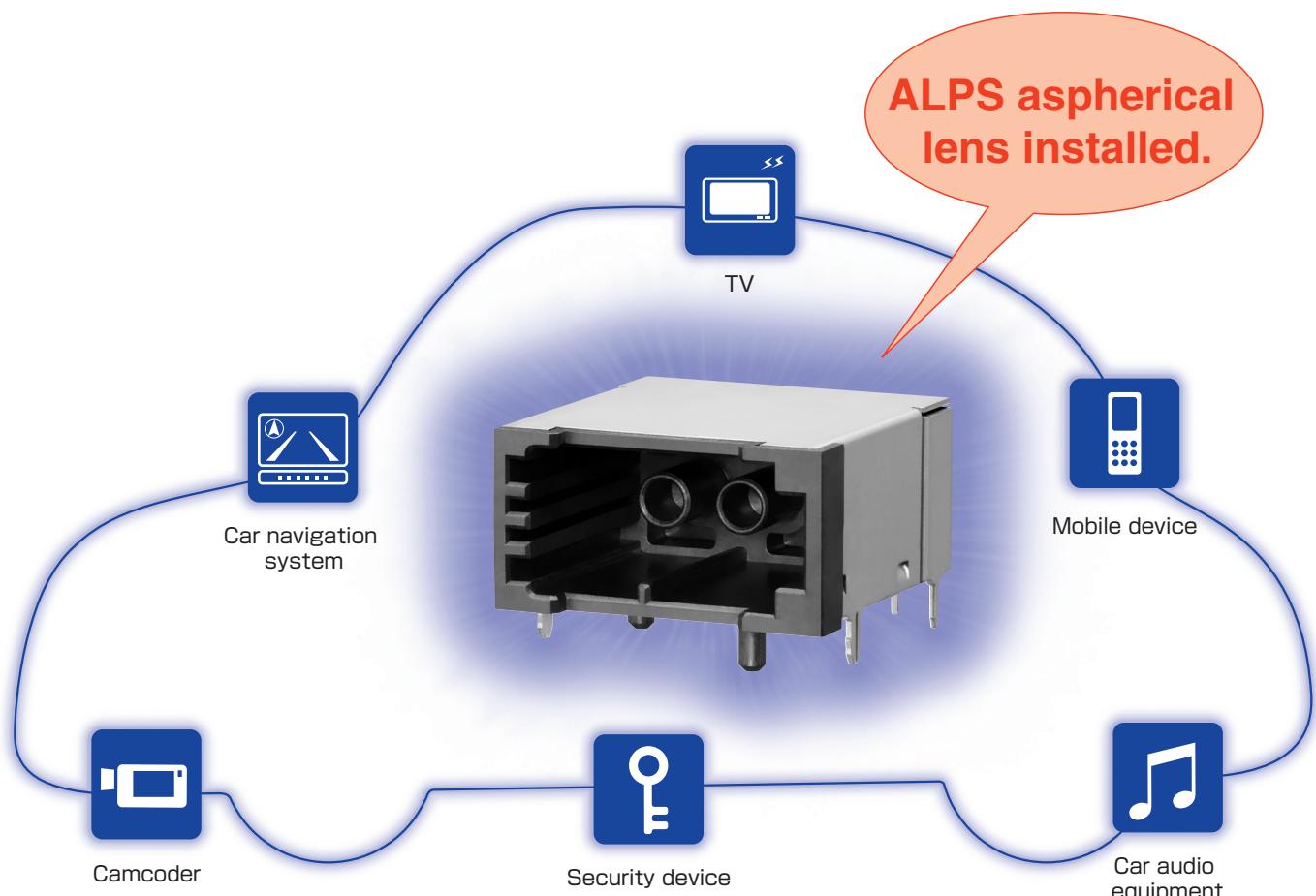
(MOST™ ver.1.1 2+0 compliant) MOST™: Media Oriented System Transfer

FLTM1G1 Series



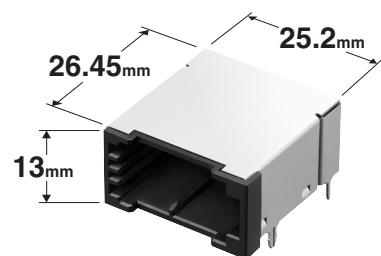
**NEW
2009**

3.3V and 5V. Dual drive promotes LAN in the car.



Optimum design through high performance optical simulation technology, realizes high coupling efficiency and reliability.

- Installed with ALPS aspherical plastic lens.
- Heat resistive LCP resin housing, auto dip solderable.
- Noise suppressive sealed cover type.



MOST™ Compliant Connector for Automotive Near-field Optical Communication (MOST™ ver.1.1 2+0 compliant)

FLTM1G1 Series



Optimum design through high performance optical simulation technology, realizes high coupling efficiency and reliability.

Applications

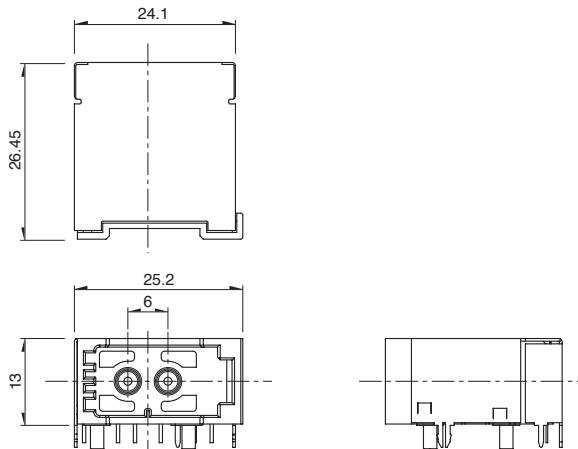
For automotive LAN compatible devices such as automotive DVD/CD players, car navigation systems, etc.

Typical Specifications

Items	Specifications
Dimensions (W×D×H)	25.20×26.45×13mm
Supply voltage	3.3V/5V
Frame frequency	44.1kHz/48kHz
Receiver	Current consumption
	10μA max.
	Bit rate
	Receivable optical power range
Transmitter	Current consumption
	30mA max.
	Bit rate
	Peak wave length
	Optical output power

Dimensions

Unit:mm



Precautions when handling our products

1. For the export of products which are controlled items subject to foreign and domestic export laws and regulations, you must obtain approval and/or follow the formalities of such laws and regulations.
2. Products must not be used for military and/or antisocial purposes such as terrorism, and shall not be supplied to any party intending to use the products for such purposes.
3. Unless provided otherwise, the products have been designed and manufactured for application to equipment and devices which are sold to end-users in the market, such as AV (audio visual) equipment, home electric equipment, office and commercial electronic equipment, information and communication equipment or amusement equipment. The products are not intended for use in, and must not be used for, any application of nuclear equipment, driving control equipment for aerospace or any other unauthorized use.
- With the exception of the above mentioned banned applications, for applications involving high levels of safety and liability such as medical equipment, burglar alarm equipment, disaster prevention equipment and undersea equipment, please contact an Alps sales representative and/or evaluate the total system on the applicability. Also, implement a fail-safe design, protection circuit, redundant circuit, malfunction protection and/or fire protection into the complete system for safety and reliability of the total system.
4. Before using products which were not specifically designed for use in automotive applications, please contact an Alps sales representative.

Cautions for using this catalog

1. The colors of the products in the catalog may slightly differ from those of the actual products.
2. The external appearance, functions and other specifications herein may be changed for improvement and other reasons without prior notice. Furthermore, the products herein may discontinue without prior notice.
3. MOST is a trademark of SMSC Europe GmbH and licensed to ALPS ELECTRIC CO., LTD.
4. All product names, company names and names of standards described in this catalog are trademarks or registered trademarks of their respective owners.
5. The contents of this catalog are according to Alps Electric as of January 2009.
6. This catalog is valid until the end of December 2009.

Inquiries about products

Products information center

+81 (3) 5499-8154

Products information site

<http://www3.alps.com/e/>

Perfecting the Art of Electronics

ALPS®
ALPS ELECTRIC CO., LTD.
1-7,Yukigaya-otsukamachi, Ota-ku, Tokyo, 145-8501, Japan