

Handling Information

Product name : CA378-AOIS

Notes on Handling

This lens module was designed to be assembled into electronics. When using it, ensure safe design by heeding the following precautions. For details, please refer to a product specification.

1. Use Restrictions

You should not use the Products for critical applications which may pose a life- or injury-threatening risk or are highly likely to cause significant property damage in the event of failure of the Products. You should consult your sales representative beforehand when you consider using the Products for such critical applications. In addition, you should not use the Products in weapon or military equipment.

2. Prevention of Electrostatic Discharge (ESD)

CMOS image sensors and other ICs can easily be damaged by static discharge. When handling the lens modules, take the following measures to prevent static discharge.

- (1) Either use non-chargeable gloves, clothes or material. Also use conductive shoes.
- (2) Use a wrist strap when handling directly.
- (3) Install grounded conductive mats on the floor and working table to prevent the generation of static electricity.
- (4) Ionized air is recommended for discharge when handling CMOS image sensors.
- (5) For the shipment of mounted boards, use boxes treated for the prevention of static charges.

3. Notes on storage and operating environments

Do not store or use the lens modules in harsh environments with high temperatures, high humidity levels, and high concentrations of dust or in environments where condensation may form from moisture or dampness.

4. Mechanical strength

- (1) This lens module is a precision-made optical component and, as such, care must be taken to avoid subjecting it to excessive mechanical impact and other forces.
- (2) The strength of the FPC and circuit board bonding is weak so care must be taken to avoid applying force in the direction in which the FPCs will be peeled off.

5. Remodeling

Do not attempt to remodel or rework the lens module. Absolutely no guarantees will be given in the event that a module has been remodeled or reworked.

6. Safety standards

This lens module is a semi-finished product and, as such, no guarantees are given in regard to its compliance with any safety standards.

Take steps to ensure compliance with the applicable safety standards when you incorporate into the completed products.

7. Protection from dust and dirt

- (1) Do not touch the lens surface with hand and make any objects to contact with it.
- (2) Keep in a dedicated case to protect from dust and dirt.
- (3) Install the lens system and do other related tasks in a clean environment.