

Attn.: \_\_\_\_\_

**HIROSE ELECTRIC CO., LTD.**  
5-23, OSAKI 5-CHOME, SHINAGAWA-KU, TOKYO, JAPAN

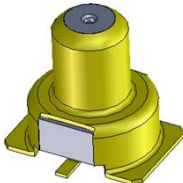
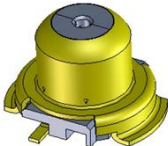
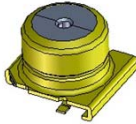
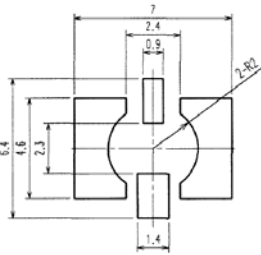
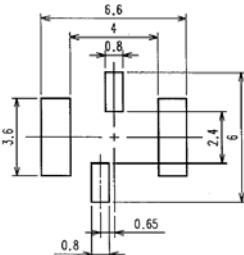
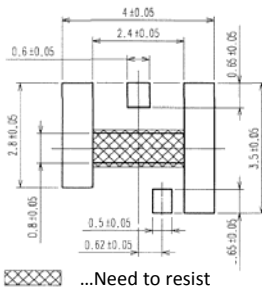
**Product Change Notification**

We are writing today to inform you that we will make some changes as shown in the subject for the reason described below.  
We request that you kindly offer your consent to this matter.

1	Products affected	MS-145NB (CL:358-0223-7-00)
2	Replacement product	MS-147(06) (CL:358-0150-5-06) MS-162B (CL:358-0343-9-00) Please refer to the attached sheet on details.
3	Classification of change	Discontinued sales
4	Reason for change	For aging of equipment
5	Date of final reception of orders for the current product	January 31, 2019
6	Date of the first reception of orders for the replacement product	Already started selling
7	Date of final shipment of the current product	July 31, 2019
8	Date of your acknowledgement	By June 30, 2018

We kindly request that you let a Hirose business representative know you acknowledge this matter by the aforesaid date of your acknowledgement.  
In the absence of a response by this date, please be advised that replacement product that described above will be delivered.  
If you should have any questions, please feel free to contact a Hirose business representative.  
Your understanding and cooperation are highly appreciated.

◆Difference between Current Product and Replacement Product(Representative Specification)

Product name	Current product	Replacement product	
	MS-145NB	MS-147	MS-162B
Appearance			
Height×Width×Depth	6.0×6.0×5.4	3.9×5.8×5.4	2.5×3.5×3.1
Frequency band width	2.5GHz	6GHz	10GHz
Mating cycle	10,000 times	12,000 times	12,000 times
Land pattern			
Halogen free	Compliant	Compliant	Compliant
Beryllium free	Non-compliant	Non-compliant	Compliant
Representative plug connector	CL:358-0142-7-00 MS-145-C(LP)-1	CL:358-0155-9-00 MS-147-C(LP)-1	CL:358-0222-4-00 MS-162-C(LP)-1

※Replacement products are compatible neither in land pattern nor mating.

If you should have any questions on replacement products, please feel free to contact your Hirose business representative.

**Acknowledgement**

(Customer → Hirose Electric business representative)

**Product Change Notification**  
**Request for Your Acknowledgement**

We acknowledge the aforementioned matter.

Customer's name: \_\_\_\_\_

Acknowledgement stamp (or signature): \_\_\_\_\_

HIROSE ELECTRIC CO., LTD.

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(Cut on this line)

**Document Receipt**

(Customer → Hirose Electric business representative)

**Product Change Notification**  
**Request for Your Acknowledgement**

We received the document concerning the above.

Customer's name: \_\_\_\_\_

Acknowledgment stamp (or signature): \_\_\_\_\_

HIROSE ELECTRIC CO., LTD.