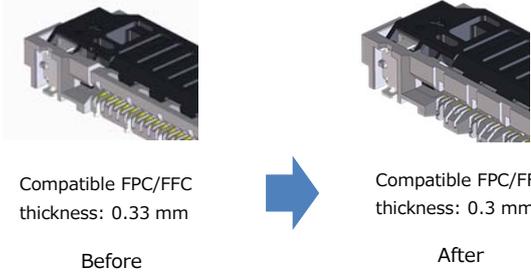


Attn.: _____

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 will announce them in advance.

| | | |
|---|---|--|
| 1 | Products affected | FH 63 Series (Please refer to attachment 1 for details of the product name.) |
| 2 | Replacement product | FH 63S Series (Please refer to attachment 1 for details of the product name.) |
| 3 | Classification of change | Product specification change. |
| 4 | Changes | <p>We will change the FPC thickness and the shape of the housing.</p>  <p>Compatible FPC/FFC thickness: 0.33 mm Before</p> <p>Compatible FPC/FFC thickness: 0.3 mm After</p> <p>Please refer to attachment 2 for details.</p> |
| 5 | Reason for change | To improve functionality. |
| 6 | Date of final reception of orders for the current product | August 31, 2021 |
| 7 | Date of the first reception of orders for the replacement product | Please refer to attachment 1. |
| 8 | Date of final shipment of the current product | February 28, 2022 |
| 9 | Date of your acknowledgement | By July 31, 2020 |

We kindly request that you inform Hirose business representative of your acknowledgement by the aforesaid date.

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.

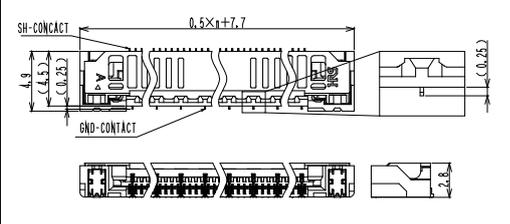
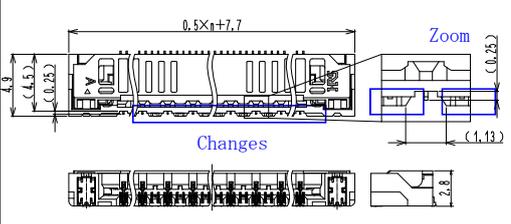
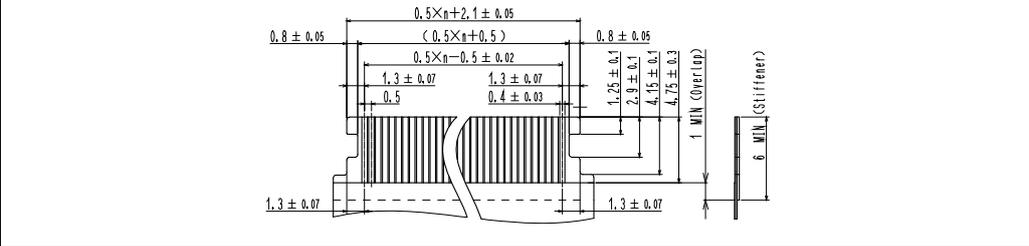
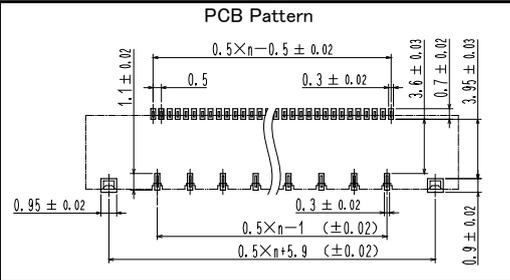
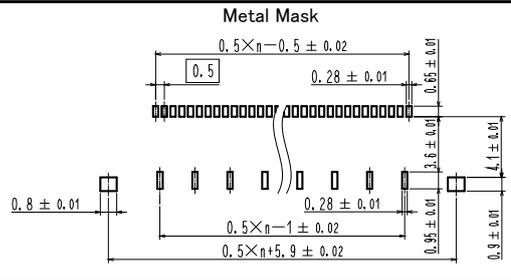
Your understanding and cooperation are highly appreciated.

■ Product List Business 430-19026_FH63Series Product specification change

| No. | Current product | | Replacement product | | Remarks |
|-----|-----------------|--------------------|---------------------|---------------------|---|
| | Product code | Part Number | Product code | Part Number | Date of the first reception of orders for the replacement product |
| 1 | 0580-4401-0-00 | FH63-10S-0.5SH | 0580-4414-0-00 | FH63S-10S-0.5SH | February 3, 2020 |
| 2 | 0580-4401-0-99 | FH63-10S-0.5SH(99) | 0580-4414-0-99 | FH63S-10S-0.5SH(99) | February 3, 2020 |
| 3 | 0580-4400-0-00 | FH63-30S-0.5SH | 0580-4415-0-00 | FH63S-30S-0.5SH | February 3, 2020 |
| 4 | 0580-4400-0-99 | FH63-30S-0.5SH(99) | 0580-4415-0-99 | FH63S-30S-0.5SH(99) | February 3, 2020 |
| 5 | 0580-4403-0-00 | FH63-40S-0.5SH | 0580-4416-0-00 | FH63S-40S-0.5SH | March 2, 2020 |
| 6 | 0580-4403-0-99 | FH63-40S-0.5SH(99) | 0580-4416-0-99 | FH63S-40S-0.5SH(99) | March 2, 2020 |

FH 63/FH 63 S Series Product Descriptions

■ Product specification

| | Current product (discontinued product) FH 63 Series | Replacement product FH 63 S Series |
|--|---|--|
| Appearance | | |
| Appearance of connector |  |  |
| Connector size | 0.5 x number of contacts + 7.7 mm (width) x 4.9 mm (Depth) x 2.8 mm (Height) | |
| FPC | | |
| Appearance of FPC |  | |
| Recommended FPC Thickness | 0.33 ± 0.03 mm | 0.3 ± 0.05 mm |
| Mounting | | |
| PCB Pattern and Metal Mask |  |  |
| Product performance | | |
| FPC insertion force | $2 + 0.35 \times \text{number of cores } N$ or less (40 contacts: 16 N or less) | $4 + 0.3 \times N$ or less (40 contacts: 16 N or less) |
| FPC extraction force | $7 + 0.2 \times \text{number of cores } N$ or less (40 contacts: 15 N or less) | $8.5 + 0.16 \times \text{number of cores } N$ or less (40 contacts: 14.9 N or less) |
| FPC retention force | $18 + 0.06 \times N$ or more cores (40 contacts: 20.4 N or more) | $18 + 0.05 \times N$ or more cores (40 contacts: 20 N or more) |
| Other Performance (Electrical, mechanical and environmental performance) | No change in FH 63 and FH 63 S | |

Acknowledgement

(Customer → Hirose Electric business representative)

Product Change Notification
Request for Your Acknowledgement

We acknowledge the changes and schedule of this notification.

Customer's name: _____

Acknowledgement stamp (or signature): _____

HIROSE ELECTRIC CO., LTD.

(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.