

Ribbon cable connector Compliant with MIL standard

HIF3C Series

■ Feature



1. Product Compliant with MIL Standard

HIF3C series has been developed as a product compliant with MIL standard, and used for wide application.

2. UL Approval Product

HIF3C series connectors are UL approved.

3. Mechanism to Prevent Mis-insertion

This connector is equipped with the mechanism to prevent Mis-insertion as follows.

- ① The system provides the convex area to insert the guide-key on the pin header side, and to guide it in combination with the socket convex area (MIL standard).
- ② The system embeds and guides the polarizing key in the socket holes.

4. Applicable Cable AWG #20~28

The applicable cable UL2651 AWG #20~28 flat cable.

■ Product Specifications

| | | | |
|--------|--------------------------|--|--------------------------------------|
| Rating | Current rating : 3A | Operating Temperature Rating : -55 to +85°C(N) | Storage Temperature Rating : to + °C |
| | Voltage rating : 250V AC | Operating Moisture Rating : 40 to 80% | Storage Humidity Rating : to % |

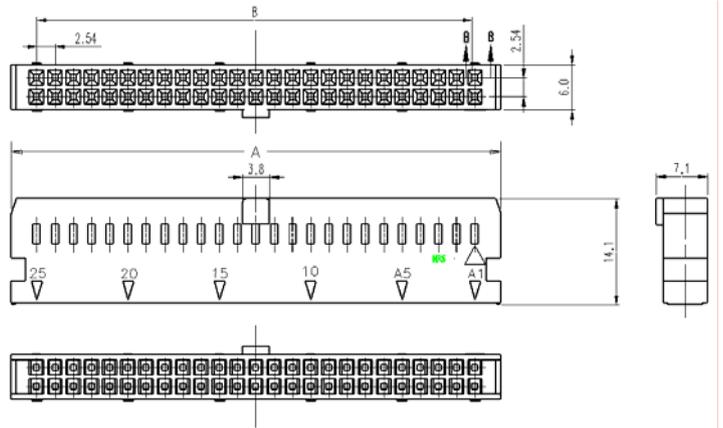
| Item | Specification | Condition |
|----------------------------|---|--|
| 1. Insulation Resistance | 1000MΩ min. | 500V DC |
| 2. Withstanding voltage | No flashover or insulation breakdown. | 650V AC/1minute |
| 3. Contact Resistance | | 0.1A |
| 4. Vibration | No electrical discontinuity of 1μs or more | Frequency :10 to 55 Hz, single amplitude of 1.5mm. |
| 5. Humidity (Steady state) | Insulation resistance : 100MΩ min. | 96hours at temperature of 40°C and humidity of 90% |
| 6. Temperature Cycle | No damage, cracks, or parts looseness. 1000MΩ min. | (-65°C: 30minutes → 15 to 35°C : 5minutes max. 125°C: 30minutes → 15 to 35°C : 5minutes max.) |

■ Ordering Information

● socket

HIF3C - * D - 2.54 C
 ① ② ③ ④ ⑤

| | |
|---------------------|------------------------------|
| ① Series Name | : HIF |
| ② Number of contact | : 10, 16, 20, 26, 34, 40, 50 |
| ③ D | : Double |
| ④ Contact pitch | : 2.54mm |
| ⑤ Connecting type | C : Crimping |



| Part Number | CL No. | Number of Contact | A | B | Polarizing Guide |
|------------------|-----------------|-------------------|------|------|-------------------------------|
| HIF3C-10D-2.54C | 6505-0012-2-011 | 10 | 17.3 | 10.2 | One at center |
| HIF3C-16D-2.54C | 6505-0015-0-011 | 16 | 24.8 | 17.8 | |
| HIF3C-20D-2.54C | 6505-0013-5-011 | 20 | 30 | 22.9 | |
| HIF3C-26D-2.54C | 6505-0016-3-011 | 26 | 37.6 | 30.5 | |
| HIF3C-30D-2.54C | 6505-0014-8-011 | 30 | 42.6 | 35.6 | |
| HIF3C-34D-2.54C | 6505-0017-6-011 | 34 | 47.8 | 40.6 | |
| HIF3C-40D-2.54C | 6505-0018-9-011 | 40 | 55.4 | 48.3 | One right and left side, rest |
| HIF3C-50D-2.54C | 6505-0019-1-011 | 50 | 68 | 61 | |
| HIF3BB-50D-2.54C | 6505-0020-0-011 | 50 | 68 | 61 | |