

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20190813-E52653  
**Report Reference** E52653-19870108  
**Issue Date** 2019-AUGUST-13

**Issued to:** HIROSE ELECTRIC CO., LTD.  
5-23 OSAKI 5-CHOME  
SHINAGAWA-KU  
TOKYO 141-8587 JAPAN

**This certificate confirms that  
representative samples of**

COMPONENT - CONNECTORS FOR USE IN DATA,  
SIGNAL, CONTROL AND POWER APPLICATIONS

Refer Addendum page for Models

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

**Standard(s) for Safety:**

UL 1977, Component Connector for Use in Data, Signal, Control and Power Applications  
CAN/CSA C22.2 No. 182.3-16, Special Use Attachment Plugs, Receptacles and Connectors


**Additional Information:**

See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

## Component - Connectors,

HIF3B series (Socket connector, Crimp type);

Model No. HIF3BA followed by -10D, -14D, -16D, -20D, -26D, -30D, -34D, -40D, -44D, -50D, -60D or -64D, followed by -2.54C, may be followed by (01) thru (99).

Model No. HIF3BB followed by -50D, -60D or -64D, followed by -2.54C, may be followed by (01) thru (99).

HIF3B series;

(Socket connector, Insulation Piercing type)

Model No. HIF3B followed by -6D, -10D, -14D, -16D, -20D, -26D, -30D, -34D, -40D, -50D, -60D or -64D, followed by -2.54R, may be followed by (01) thru (99).

Model No. HIF3BA followed by -6D, -10D, -14D, -16D, -20D, -26D, -30D, -34D, -40D, -50D, -60D or -64D, followed by -2.54R, may be followed by (01) thru (24), (26) thru (99).

Model No. HIF3BB followed by -50D, -60D or -64D, followed by -2.54R, may be followed by (01) thru (99).

Model No. HIF3BA followed by -10D, -16D, -20D, -26D, -30D, -34D, -40D, -50D, -60D or -64D, followed by -2.54R-CL, followed by (63) or (71).

Model No. HIF3BB followed by -50D, -60D or -64D, followed by -2.54R-CL, followed by (63) or (71).

(Pin Header)

Model No. HIF3-6PA-2.54DSA may be followed by (01) thru (99).

Model No. HIF3B, followed by -10PA, -16PA, -20PA, -26PA, -30PA, -34PA, -40PA, -50PA, -60PA or -64PA, followed by -2.54DS may be followed by (01) thru (99).

Model No. HIF3B-26PA-2.54DSA may be followed by (01) thru (99).

Model No. HIF3BA, followed by -10PA, -14PA, -16PA, -20PA, -26PA, -30PA, -34PA -40PA, -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BAE, followed by -40PA, -50PA or -60PA followed by -2.54DS, may be followed by (01) thru (99).

Model No. HIF3BAE, followed by -20PA, -30PA, -34PA, -40PA, -50PA or -60PA followed by -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BB, followed by -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BC-10PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BD-10PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

HIF3B series (CONT'D);

Model No. HIF3B, followed by -16PA, -20PA, -26PA, -34PA, -40PA, -50PA, -60PA or -64PA, followed by -2.54WB, may be followed by (01) thru (99).

Model No. HIF3BA, followed by -10P, -14P, -16P, -20P, -26P, -30P, -34P, -40P, -50P, -60P or -64P, followed by -2.54W or -2.54WA, may be followed by (01) thru (99).

Model No. HIF3BA, followed by -10PA, -16PA, -20PA, -26PA, -30PA, -34PA, -40PA, -50PA, -60PA or -64PA, followed by -2.54WB, may be followed by (01) thru (99).



Bruce Mahrenholz, Director North American Certification Program

UL LLC

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Model No. HIF3BB, followed by -50P, -60P or -64P, followed by -2.54W, may be followed by (01) thru (99).  
Model No. HIF3BB, followed by -50PA, -60PA or -64PA, followed by -2.54WB, may be followed by (01) thru (99).  
Model No. HIF3BD-10P-2.54W, may be followed by (01) thru (99).  
Model No. HIF3BD-10PA-2.54WB, may be followed by (01) thru (99).  
Model No. HIF3BAF-40PA-2.54WB, may be followed by (01) thru (99).  
Model No. HIF3BBF-50PA-2.54WB, may be followed by (01) thru (99).  
Model No. HIF3BDF-10PA-2.54WB, may be followed by (01) thru (99).

(In line type)

Model No. HIF3BA, followed by -16PD, -20PD, -26PD, -30PD, -34PD -40PD, -50PD, -60PD or -64PD, followed by -2.54R-MC, may be followed by (01) thru (99).  
Model No. HIF3BB followed by -50PD, -60PD or -64PD, followed by -2.54R-MC, may be followed by (01) thru (99).  
Model No. HIF3BD-10PD, followed by -2.54R-MC, may be followed by (01) thru (99).  
Model No. HIF3BAE-60PD, followed by -2.54R-MC, may be followed by (01) thru (99).

(Pin Header)

Model No. HIF3BAG followed by -10PA, -14PA, -16PA, -20PA, -26PA, -30PA, -34PA -40PA, -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).  
Model No. HIF3BBG followed by -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).  
Model No. HIF3BDG-10PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

(Pin Header)

Model No. HIF3BAF, followed by -10PA, -14PA, -16PA, -20PA, -26PA, -30PA, -34PA -40PA, -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).  
Model No. HIF3BBF, followed by -50PA or -60PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).  
Model No. HIF3BDF-10PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

(Pin Header, Double-Deck Type)

Model No. HIF3BA-20/20PA-2.54DS, followed by (63) or (71).  
Model No. HIF3BA-34/34PA-2.54DS, followed by (69), (77), (78), (79), (87), (88), (89) or (91).  
Model No. HIF3BB-50/50PA-2.54DS, followed by (63), (71), (77) or (88).

HIF3M series;

(Socket Connector, Insulation Piercing type)

Model No. HIF3MAW followed by -10D, -14D, -16D, -20D, -26D, -30D, 34D, -40D, -50D, -60D or -64D, followed by -2.54R, may be followed by (01) thru (99).  
Model No. HIF3MBW followed by -50D, -60D or -64D followed by -2.54R, may be followed by (01) thru (99).

(Pin Header)

Model No. HIF3MAW followed by -10PA, -14PA, -16PA, -20PA, -26PA, -30PA, -34PA, -40PA, -50PA, -60PA or -64PA followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).



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Model No. HIF3MBW followed by -50PA, -60PA or -64PA followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3MDW-10PA-2.54DS, may be followed by (01) thru (99).

Model No. HIF3MDW-10PA-2.54DSA, may be followed by (01) thru (99).

HIF3C series;

(Pin Header)

Model No. HIF3CA, followed by -10PA, -16PA, -20PA, -26PA, -30PA, -34PA -40PA, -50PA, followed by -2.54DSA, may be followed by (01) thru (81), (83) thru (90), (92) thru (99).

Model No. HIF3CB, followed by -50PA, -60PA or -64PA, followed by -2.54DSA, may be followed by (01) thru (90) or (92) thru (99).

Model No. HIF3CD-10PA-2.54DSA, may be followed by (01) thru (90) or (92) thru (99).



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File E52653  
**Project** 7396334-T001

Issued: January 08, 1987  
Revised: March 11, 2015

REPORT

On

CONNECTORS FOR USE IN DATA, SIGNAL, CONTROL AND POWER  
APPLICATIONS

Hirose Electric Co Ltd  
**Tokyo**, JAPAN

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## DESCRIPTION

## PRODUCT COVERED:

USR, CNR Component - Connectors,

HIF3B series (Socket connector, Crimp type);

Model No. HIF3BA followed by -10D, -14D, -16D, -20D, -26D, -30D, -34D, -40D, -44D, -50D, -60D or -64D, followed by -2.54C, may be followed by (01) thru (99).

Model No. HIF3BB followed by -50D, -60D or -64D, followed by -2.54C, may be followed by (01) thru (99).

HIF3B series;

(Socket connector, Insulation Piercing type)

Model No. HIF3B followed by -6D, -10D, -14D, -16D, -20D, -26D, -30D, -34D, -40D, -50D, -60D or -64D, followed by -2.54R, may be followed by (01) thru (99).

Model No. HIF3BA followed by -6D, -10D, -14D, -16D, -20D, -26D, -30D, -34D, -40D, -50D, -60D or -64D, followed by -2.54R, may be followed by (01) thru (24), (26) thru (99).

Model No. HIF3BB followed by -50D, -60D or -64D, followed by -2.54R, may be followed by (01) thru (99).

Model No. HIF3BA followed by -10D, -16D, -20D, -26D, -30D, -34D, -40D, -50D, -60D or -64D, followed by -2.54R-CL, followed by (63) or (71).

Model No. HIF3BB followed by -50D, -60D or -64D, followed by -2.54R-CL, followed by (63) or (71).

(Pin Header)

**Model No. HIF3-6PA-2.54DSA may be followed by (01) thru (99).**

Model No. HIF3B, followed by -10PA, -16PA, -20PA, -26PA, -30PA, -34PA, -40PA, -50PA, -60PA or -64PA, followed by -2.54DS may be followed by (01) thru (99).

Model No. HIF3B-26PA-2.54DSA may be followed by (01) thru (99).

Model No. HIF3BA, followed by -10PA, -14PA, -16PA, -20PA, -26PA, -30PA, -34PA -40PA, -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BAE, followed by -40PA, -50PA or -60PA followed by -2.54DS, may be followed by (01) thru (99).

Model No. HIF3BAE, followed by -20PA, -30PA, -34PA, -40PA, -50PA or -60PA followed by -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BB, followed by -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BC-10PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BD-10PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

PRODUCT COVERED: (CONT'D)

HIF3B series (CONT'D);

Model No. HIF3B, followed by -16PA, -20PA, -26PA, -34PA, -40PA, -50PA, -60PA or -64PA, followed by -2.54WB, may be followed by (01) thru (99).

Model No. HIF3BA, followed by -10P, -14P, -16P, -20P, -26P, -30P, -34P, -40P, -50P, -60P or -64P, followed by -2.54W **or -2.54WA**, may **be** followed by (01) thru (99).

Model No. HIF3BA, followed by -10PA, -16PA, -20PA, -26PA, -30PA, -34PA, -40PA, -50PA, -60PA or -64PA, followed by -2.54WB, may be followed by (01) thru (99).

Model No. HIF3BB, followed by -50P, -60P or -64P, followed by -2.54W, may be followed by (01) thru (99).

Model No. HIF3BB, followed by -50PA, -60PA or -64PA, followed by -2.54WB, may be followed by (01) thru (99).

Model No. HIF3BD-10P-2.54W, may be followed by (01) thru (99).

Model No. HIF3BD-10PA-2.54WB, may be followed by (01) thru (99).

Model No. HIF3BAF-40PA-2.54WB, may be followed by (01) thru (99).

Model No. HIF3BBF-50PA-2.54WB, may be followed by (01) thru (99).

Model No. HIF3BDF-10PA-2.54WB, may be followed by (01) thru (99).

(In line type)

Model No. HIF3BA, followed by -16PD, -20PD, -26PD, -30PD, -34PD -40PD, -50PD, -60PD or -64PD, followed by -2.54R-MC, may be followed by (01) thru (99).

Model No. HIF3BB followed by -50PD, -60PD or -64PD, followed by -2.54R-MC, may be followed by (01) thru (99).

Model No. HIF3BD-10PD, followed by -2.54R-MC, may be followed by (01) thru (99).

**Model No. HIF3BAE-60PD, followed by -2.54R-MC, may be followed by (01) thru (99).**

(Pin Header)

Model No. HIF3BAG followed by -10PA, -14PA, -16PA, -20PA, -26PA, -30PA, -34PA -40PA, -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BBG followed by -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BDG-10PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

(Pin Header)

Model No. HIF3BAF, followed by -10PA, -14PA, -16PA, -20PA, -26PA, -30PA, -34PA -40PA, -50PA, -60PA or -64PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BBF, followed by -50PA or -60PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BDF-10PA, followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

(Pin Header, Double-Deck Type)

Model No. HIF3BA-20/20PA-2.54DS, **followed by (63) or (71).**

Model No. HIF3BA-34/34PA-2.54DS, followed by (69), **(77), (78), (79), (87), (88), (89) or (91).**

Model No. HIF3BB-50/50PA-2.54DS, followed by **(63), (71), (77) or (88).**

PRODUCT COVERED: (CONT'D)

HIF3M series;

(Socket Connector, Insulation Piercing type)

Model No. HIF3MAW followed by -10D, -14D, -16D, -20D, -26D, -30D, 34D, -40D, -50D, -60D or -64D, followed by -2.54R, may be followed by (01) thru (99).

Model No. HIF3MBW followed by -50D, -60D or -64D followed by -2.54R, may be followed by (01) thru (99).

(Pin Header)

Model No. HIF3MAW followed by -10PA, -14PA, -16PA, -20PA, -26PA, -30PA, -34PA, -40PA, -50PA, -60PA or -64PA followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3MBW followed by -50PA, -60PA or -64PA followed by -2.54DS or -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3MDW-10PA-2.54DS, may be followed by (01) thru (99).

Model No. HIF3MDW-10PA-2.54DSA, may be followed by (01) thru (99).

HIF3C series;

(Pin Header)

Model No. HIF3CA, followed by -10PA, -16PA, -20PA, -26PA, -30PA, -34PA -40PA, -50PA, followed by -2.54DSA, may be followed by (01) thru (81), (83) thru (90), (92) thru (99).

Model No. HIF3CB, followed by -50PA, -60PA or -64PA, followed by -2.54DSA, may be followed by (01) thru (90) or (92) thru (99).

Model No. HIF3CD-10PA-2.54DSA, may be followed by (01) thru (90) or (92) thru (99).

OBSOLETE PRODUCT#1: (Retained for reference only)

USR, CNR Component - Connectors,

(Pin Header)

\* Model No. HIF3B, followed by -10PA, -16PA, -20PA, -30PA, -34PA, -40PA, -50PA, -60PA or -64PA, followed by -2.54DSA, may be followed by (01) thru (99).

Model No. HIF3BAE, followed by -16PA, -20PA, -26PA, -30PA or -34PA followed by -2.54DS, may be followed by (01) thru (99).

Model No. HIF3BA-14PA-2.54WB, may followed by (01) thru (99).

Model No. HIF3BA-14PA-2.54WB, may followed by (01) thru (99).

Model No. HIF3MW followed by -10PA, -16PA, -20PA, -26PA, -30PA, 34PA, -40PA, -50PA, 60PA or -64PA followed by -2.54DS, may be followed by (01) thru (99).

Model No. HIF3MW-26PA-2.54DSA, may be followed by (01) thru (99).

Model No. HIF3CA-14PA-2.54DSA, may be followed by (01) thru (81), (83) thru (90), (92) thru (99).

Model No. HIF3CA-40PA-2.54DSA(82).

(In line type)

\*



**GENERAL:**

These devices are multi-pole connectors employing contacts intended for factory assembly copper wire sizes as indicated in Ratings table below and printed wiring boards where the acceptability of the combinations is determined by Underwriters Laboratories Inc. The devices are identified as follows:

USR indicates investigation to United States Standards, UL 1977.

CNR indicates investigation to Canadian National Standards, C22.2 No. 182.3.

**RATINGS:**

Cat. Nos.	Voltage, (Vac/Vdc)	Ampere, (A)	Conductor Sizes, AWG (Cu, Str)	Contact Type
(Socket Connector, Crimp type) HIF3BA- (a)D-2.54C (zz), HIF3BB- (c)D-2.54C (zz)	200	3	No. 20 - 22	HIF3-2022SC HIF3-2022SCF
		3	No. 22	HIF3-2226SC HIF3-2226SCA HIF3-2226SCF HIF3-2226SCFA HIF3-2226SCFB HIF3-2226SCC HIF3-2226SCFC
		2	No. 24 - 26	HIF3-2428SC HIF3-2428SCA HIF3-2428SCF HIF3-2428SCFA HIF3-2428SCFB
		2	No. 24 - 26	HIF3-2428SC HIF3-2428SCA HIF3-2428SCF HIF3-2428SCFA HIF3-2428SCFB
		1	No. 28	HIF3-2428SC HIF3-2428SCA HIF3-2428SCF HIF3-2428SCFA HIF3-2428SCFB
		2	No. 26	HIF3-2630SCC HIF3-2630SCFC
		1	No. 28	HIF3-2630SCC HIF3-2630SCFC
		0.5	No. 30	HIF3-2630SCC HIF3-2630SCFC
(Socket Connector, Insulation Piercing type) HIF3B- (b)D-2.54R (zz) HIF3BA- (b)D-2.54R (zz) HIF3BA- (a-1)D-2.54R-CL (zz), HIF3BB- (c)D-2.54R (zz), HIF3BB- (c)D-2.54R-CL (zz),  HIF3MAW- (b-1)D-2.54R (zz), HIF3MBW- (c)D-2.54R (zz)	100	1.0	No. 28, Ribbon Cable	
(In line type) HIF3BA- (a-2)PD-2.54R-MC (zz) HIF3BB- (c)PD-2.54R-MC (zz) HIF3BD-10PD-2.54R-MC (zz) HIF3BAE-60PD-2.54R-MC (zz)	100	1.0	No. 28, Ribbon Cable	

(CONT'D)

(CONT'D)

Cat. Nos.	Voltage, (Vac/Vdc)	Ampere, (A)	Conductor Sizes, AWG (Cu, Str)	Contact Type
(Pin Header) HIF3B- (a-1) PA-2.54DS (zz) HIF3B- (a-3) PA-2.54WB (zz)  HIF3BA- (b-1) PA-2.54DS (zz) HIF3BA- (b-1) PA-2.54WB (zz) HIF3BAE- (b-2) PA-2.54DS (zz)  HIF3BB- (c) PA-2.54DS (zz) HIF3BB- (c) PA-2.54WB (zz) HIF3BC-10PA-2.54DS (zz)  HIF3BD-10PA-2.54DS (zz) HIF3BD-10PA-2.54WB (zz)  HIF3BAG- (b-1) PA-2.54DS (zz) HIF3BBG- (c) PA-2.54DS (zz) HIF3BDG-10PA-2.54DS (zz)  HIF3BAF- (b-1) PA-2.54DS (zz) HIF3BAF-40PA-2.54WB (zz) HIF3BBF-50PA-2.54DS (zz) HIF3BBF-60PA-2.54DS (zz) HIF3BBF-50PA-2.54WB (zz) HIF3BDF-10PA-2.54DS (zz) HIF3BDF-10PA-2.54WB (zz)	200	3.0		Not Applicable (Soldering Pin)
(Pin Header, Double-Deck Type) HIF3BA-20/20PA-2.54DS ( <b>63 or 71</b> ) HIF3BA-34/34PA-2.54DS ( <b>63, 69, 77, 78, 79, 87, 88, 89 or 91</b> )  HIF3BB-50/50PA-2.54DS ( <b>63, 71, 77 or 88</b> )	29.9	- (#1)		Not Applicable (Soldering Pin)

(CONT'D)

(CONT'D)

Cat. Nos.	Voltage, (Vac/Vdc)	Ampere, (A)	Conductor Sizes, AWG (Cu, Str)	Contact Type
(Pin Header) HIF3-6PA-2.54DSA (zz)  HIF3B- (a-1) PA-2.54DSA (zz) HIF3BA- (b-1) PA-2.54DSA (zz) HIF3BA- (b-1) P-2.54W (zz) HIF3BAE- (b-3) PA-2.54DSA (zz)  HIF3BB- (c) PA-2.54DSA (zz) HIF3BB- (c) P-2.54W (zz) HIF3BC-10PA-2.54DSA (zz)  HIF3BD-10PA-2.54DSA (zz) HIF3BD-10P-2.54W (zz)  HIF3BAG- (b-1) PA-2.54DSA (zz) HIF3BBG- (c) PA-2.54DSA (zz) HIF3BDG-10PA-2.54DSA (zz)  HIF3BAF- (b-1) PA-2.54DSA (zz) HIF3BBF-50PA-2.54DSA (zz) HIF3BBF-60PA-2.54DSA (zz) HIF3BDF-10PA-2.54DSA (zz)	200	3.0	Not Applicable (Soldering Pin)	
(Pin Header) HIF3CA- (b-4) PA-2.54DSA (zz-1) HIF3CB- (c) PA-2.54DSA (zz-1) HIF3CD-10PA-2.54DSA (zz-1)	200	3.0	Not Applicable (Soldering Pin)	
(Pin Header) HIF3MW- (a-1) PA-2.54DS (zz) , HIF3MW-26PA-2.54DSA (zz)  HIF3MAW- (b-1) PA-2.54DS (zz) , HIF3MAW- (b-1) PA-2.54DSA (zz) ,  HIF3MBW- (c) PA-2.54DS (zz) HIF3MBW- (c) PA-2.54DSA (zz) ,  HIF3MDW-10PA-2.54DS (zz) , HIF3MDW-10PA-2.54DSA (zz)	200	3.0	Not Applicable (Soldering Pin)	
<p>Note (a) 10, 14, 16, 20, 26, 30, 34, 40, 44, 50, 60 or 64.  Note (a-1): 10, 16, 20, 26, 30, 34, 40, 50, 60 or 64.  Note (a-2): 16, 20, 26, 30, 34, 40, 50, 60 or 64.  Note (a-3): 16, 20, 26, 34, 40, 50, 60 or 64.  Note (b): 6, 10, 14, 16, 20, 26, 30, 34, 40, 50, 60 or 64.  Note (b-1): 10, 14, 16, 20, 26, 30, 34, 40, 50, 60 or 64.  Note (b-2): 16, 20, 26, 30, 34, 40, 50 or 60.  Note (b-3): 20, 30, 34, 40, 50 or 60.  Note (b-4): 10, 14, 16, 20, 26, 30, 34, 40 or 50.  Note (c): 50, 60 or 64.  Note (zz): None or (01) thru (99)  Note (zz-1): None, (01) thru (90) or (92) thru (99)  Note (#1): Intended for use in less than 1 A.</p>				

Disconnecting Use - See Sec. Gen. For required markings.

NOMENCLATURE: The Series HIF3B and HIF3M are designated as follows:

(Socket Connector)

Example: Cat. No. HIF3B-10D-2.54R

HIF3B	-10	D	-2.54	R	-CL	
I	II	III	IV	V	VI	VII

I: - Basic Construction;

HIF3B: No polarizing guide

HIF3BA: With two polarizing guides at right and left positions  
(50, 60, 64 contacts only)

With a polarizing guides at center (Other number of contacts)

HIF3BB: With a polarizing guides at center (50, 60, 64 contacts only)

HIF3MAW: Wide depth of the cable clamp

With two polarizing guides at right and left positions  
(50, 60, 64 contacts only)

With a polarizing guides at center (Other number of contacts)

HIF3MBW: Wide depth of the cable clamp

With a polarizing guides at center (50, 60, 64 contacts only)

II: - Number of contacts;

III: - Contact alignment;

D: Double

IV: - Contact pitch;

-2.54: 2.54 mm

V: - Connection type;

R: Insulation displacement type (Insulation Piercing type)

C: Crimp type

VI: - Cable clamp type;

-None: Normal type

-CL: Pull tab type

## VII: - Customer specifications;

Suffix	Specification
For Cat. Nos. HIF3BA-(x)D-2.54C or HIF3BB-(x)D-2.54C	
*None, (01) thru (02), (04) thru (62), (64) thru (99)	Normal Type
(03)	Normal Type printed Pin Number.
(63)	<b>Same as Normal Type expect for insulating material.</b>
For Cat. Nos. HIF3B-(x)D-2.54R, HIF3BA-(x)D-2.54R or HIF3BB-(x)D-2.54R	
*None, (01) thru (03), (06) thru (10), (12) thru (17), (19) thru (24), (26) thru (62) (64) thru (99)	Normal Type
(04)	Same as Normal Type except for plating thickness of Contact.
(05)	Same as Normal Type except for plating thickness of Contact.
(11)	Normal Type without Cable Clamp.
(18)	Same as Normal Type except for shape of Cable Clamp.
(63)	<b>Same as Normal Type expect for insulating material.</b>
For Cat. Nos. HIF3BA-(x)D-2.54R-CL or HIF3BB-(x)D-2.54R-CL	
(63)	<b>Same as Normal Type expect for insulating material.</b>
(71)	Normal Type
For Cat. Nos. HIF3MAW-(x)D-2.54R or HIF3MBW-(x)D-2.54R	
*None, (01) thru (62), (64) thru (99)	Normal Type
(63)	<b>Same as Normal Type expect for insulating material.</b>
Note: (x) - Pole Number	

(Pin Header)

Example: Cat. No. HIF3B-10PA-2.54DS(71)

HIF3B	-10	PA	-2.54	DS	(71)
I	II	III	IV	V	VI

I: - Basic Construction;

HIF3: No polarizing key install (Only 6 contacts)

HIF3B: Three wall type

HIF3BA: Four wall type

No polarizing slot (10 contacts only)

With two polarizing slots at right and left positions

(50, 60, 64 contacts only)

With a polarizing slot at center (Other number of contacts)

HIF3BAE: Four wall long lock lever type

With two polarizing slots at right and left positions

(50, 60, 64 contacts only)

With a polarizing slot at center (Other number of contacts)

HIF3BB: Four wall type

With a polarizing slot at center (50, 60, 64 contacts only)

HIF3BC: Three wall type

No polarizing key install (Only 10 contacts)

HIF3BD: Four wall type

No polarizing key install (Only 10 contacts)

HIF3CA: Four wall flux blister prevention type

No polarizing slot (10 contacts only)

With two polarizing slots at right and left positions

(50, 60, 64 contacts only)

With a polarizing slot at center (Other number of contacts)

HIF3CB: Four wall flux blister prevention type

With a polarizing slot at center (50, 60, 64 contacts only)

HIF3CD: Four wall flux blister prevention type

No polarizing key install (Only 10 contacts)

HIF3MW: Four wall wide lock lever type

HIF3MAW: Four wall wide lock lever type

No polarizing slot (10 contacts only)

With two polarizing slots at right and left positions

(50, 60, 64 contacts only)

With a polarizing slot at center (Other number of contacts)

HIF3MBW: Four wall wide lock lever type  
With a polarizing slot at center (50, 60, 64 contacts only)

HIF3MDW: Four wall wide lock lever type  
No polarizing key install (Only 10 contacts)

HIF3BAG: Four wall short lock lever type  
No polarizing slot (10 contacts only)  
With two polarizing slots at right and left positions  
(50, 60, 64 contacts only)  
With a polarizing slot at center (Other number of contacts)

HIF3BBG: Four wall short lock lever type  
With a polarizing slot at center (50, 60, 64 contacts only)

HIF3BDG: Four wall short lock lever type  
No polarizing slot (10 contacts only)

HIF3BAF: Four wall F type lock lever  
No polarizing slot (10 contacts only)  
With two polarizing slots at right and left positions  
(50, 60, 64 contacts only)  
With a polarizing slot at center (Other number of contacts)

HIF3BBF: Four wall F type lock lever  
With a polarizing slot at center (50, 60, 64 contacts only)

HIF3BDF: Four wall F type lock lever  
No polarizing key install (Only 10 contacts)

II: - Number of contacts;

III: - Contact alignment;  
PA: Pin header, Selective gold plated.  
P: Pin header, Gold plated.

IV: - Contact pitch;  
-2.54: 2.54 mm

V: - Contact style;  
DS: Right angle type  
DSA: Straight type  
W: Wire wrapping type  
**WA: Wire wrapping, right angle type**  
WB: Two stage stacking right angle type

VI: - Customer specifications;

Suffix	Specification
*For Cat. Nos. HIF3BA-20/20PA-2.54DS, and HIF3BB-50/50PA-2.54DS	
(69)	<b>Same as suffix (87) expect for insulating material.</b>
(71)	Normal Type
(87)	Same as suffix (71) expect for Locator thickness.
(88)	Same as suffix (87) except for Soldering Post length.
(89)	Same as suffix (87) except for plating thickness of Contact.
For Cat. Nos. HIF3CA-(x)PA-2.54DSA, HIF3CB-(x)PA-2.54DSA and HIF3CD-(x)PA-2.54DSA	
None, (01) thru (81), (83) thru (90), (92) thru (99)	Normal Type
(82)	Normal Type without No. 20 Contact.
*For Cat. Nos. HIF3B-(x)PA-2.54WB, HIF3BA-(x)PA-2.54WB, HIF3BB-(x)PA-2.54WB, HIF3BD-(x)PA-2.54WB, HIF3BAF-(x)PA-2.54WB, HIF3BBF-(x)PA-2.54WB or HIF3BDF-(x)PA-2.54WB	
None, (01) thru (62) (64) thru (74), (76) thru (81), (83) thru (99)	Normal Type
(63)	<b>Same as Normal Type expect for insulating material.</b>
(75)	Same as Normal Type except for plating thickness of Contact.
(82)	Same as Normal Type except for Soldering Post length.
For Cat. Nos. HIF3BA-(x)P-2.54W, HIF3BB-(x)P-2.54W and HIF3BD-(x)P-2.54W	
*None, (01) thru (04), (06) thru (62), (64) thru (87) (89) thru (99)	Normal Type
(05)	Same as Normal Type expect for plating thickness of Contact.
(63)	<b>Same as Normal Type expect for insulating material.</b>
(88)	Normal Type with Fixing Nut.

(CONT'D)



(CONT'D)

Suffix	Specification
*For Cat. Nos. <b>HIF3BAE, followed by -16PA, -20PA, -25 PA, -30PA, followed by -2.54DS, or HIF3MW-(x)PA-2.54DS</b>	
None, (01) thru (71), (73), (74), (76) thru (80), (83), (84), (86) thru (99)	Normal Type
(72)	Same as Normal Type expect for plating thickness of Contact.
(75)	Same as Normal Type expect for plating thickness of Contact.
(81)	Normal Type without Lock Lever.
(82)	Same as Normal Type expect for short Contact of No. 20
(85)	Same as Normal Type expect for short Contact of No. 20 and Lock Lever.
<b>For Cat. Nos. HIF3B-(x)PA-2.54DS, HIF3BA#-(x)-2.54DS except for HIF3BAE with 16, 20, 25 and 30 with -2.54DS, HIF3BB#-(x)PA-2.54DS, HIF3BC-10PA-2.54DS, HIF3BD#-(x)PA-2.54DS, HIF3MAW-(x)PA-2.54DS, HIF3MBW-(x)PA-2.54DS, HIF3MDW-(x)PA-2.54DS</b>	
None, (01) thru (62), (64) thru (71), (73), (74), (76) thru (80), (83), (84), (86) thru (99)	Normal Type
(63)	Same as Normal Type expect for insulating material.
(72)	Same as Normal Type expect for plating thickness of Contact.
(75)	Same as Normal Type expect for plating thickness of Contact.
(81)	Normal Type without Lock Lever.
(82)	Same as Normal Type expect for short Contact of No. 20
(85)	Same as Normal Type expect for short Contact of No. 20 and Lock Lever.
*For Cat. Nos. <b>HIF3-6PA-2.54DSA, HIF3B-(x)PA-2.54DSA except for 26 poles type, or HIF3MW-(x)PA-2.54DSA</b>	
None, (01) thru (71), (73), (76) thru (81), (85), (86), (87) (89) thru (99)	Normal Type
(72)	Same as Normal Type expect for plating thickness of Contact.
(74)	Same as Normal Type expect for plating thickness of Contact.
(75)	Same as Normal Type expect for plating thickness of Contact.
(82)	Normal Type without No. 24 Contact.
(83)	Normal Type without No. 26 Contact.
(84)	Normal Type without No. 38 Contact.
(88)	Normal Type with Fixing Nut.

\*

(CONT'D)

(CONT'D)

Suffix	Specification
For Cat. Nos. HIF3B-26PA-2.54DSA, HIF3BA#-(x)PA-2.54DSA, HIF3BB#-(x)PA-2.54DSA, HIF3BC-10PA-2.54DSA, HIF3BD#-(x)PA-2.54DSA, HIF3MAW-(x)PA-2.54DSA, HIF3MBW-(x)PA-2.54DSA or HIF3MDW-(x)PA-2.54DSA	
None, (01) thru (62), (64) thru (71), (73), (76) thru (81), (85), (86), (87) (89) thru (99)	Normal Type
(63)	Same as Normal Type expect for insulating material.
(72)	Same as Normal Type expect for plating thickness of Contact.
(74)	Same as Normal Type expect for plating thickness of Contact.
(75)	Same as Normal Type expect for plating thickness of Contact.
(82)	Normal Type without No. 24 Contact.
(83)	Normal Type without No. 26 Contact.
(84)	Normal Type without No. 38 Contact.
(88)	Normal Type with Fixing Nut.
Note: (x) - Pole Number # - Alphabet or None	

(In line type)

Example: Cat. No. HIF3BA-10PD-2.54R-MC

HIF3BA	-10	PD	-2.54	R-MC	
I	II	III	V	VI	VII

I: - Basic Construction;

HIF3BA: Four wall type

With two polarizing guides at right and left positions  
(50, 60, 64 contacts only)

With a polarizing guides at center (Other number of contacts)

HIF3BB: Four wall type

With a polarizing slot at center (50, 60, 64 contacts only)

HIF3BD: Four wall type

No polarizing key install (Only 10 contacts)

HIF3BAE: Four wall long lock lever type

II: - Number of contacts

III: - Contact alignment;

PD: Plug, Double

V: Contact pitch;

-2.54: -2.54 mm

VI: Connection type;

R-MC: Ribbon cable, Mold clamp

VII: - Customer specifications

Suffix	Specification
*For Cat. Nos. HIF3BA-(x)PD-2.54R-MC, HIF3BB-(x)PD-2.54R-MC, HIF3BD-(x)PD-2.54R-MC	
None, (01) thru (03), (05) thru (09), (11) thru (99)	Normal Type
(04)	Same as Normal Type expect for plating thickness of Contact.
(10)	Normal Type without Cable Clamp.
(63)	<b>Same as Normal Type expect for insulating material.</b>
<b>For Cat. Nos. HIF3BAE-(x)PD-2.54R-MC</b>	
None, (01) thru (03), (05) thru (09), (11) thru (99)	Normal Type
(04)	Same as Normal Type expect for plating thickness of Contact.
(10)	Normal Type without Cable Clamp.
Note: (x) - Pole Number	

Nomenclature for the Contact: (For Reference)

The Crimp Contact of Series HIF3B (Crimp type) are designated as follows:

Example: Type HIF3-2022SCF

HIF3	-2022	SC	F
A	B	C	D

A: - Basic Construction

HIF3: Series designation

B: - Wire Size

-2022: 20 AWG thru 22 AWG

-2226: 22 AWG thru 26 AWG

-2428: 24 AWG thru 28 AWG

-2630: 26 AWG thru 30 AWG

C: - Contact Type

SC: Socket Contact

D: - Plating Type, Contact Style, Packing Style:

None: Gold plated whole surface, Bulk

F: Gold plated whole surface, One side career, Reel

A: Selective gold plated, Bulk

FA: Selective gold plated, Both sides career, Reel

FB: Selective gold plated, One side career, Reel

C: Type VA, Bulk

FC: Type VA, Both sides career, Reel

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Conditions of Acceptability - In order to be judged acceptable as a component of electrical equipment, the following conditions should be met.

- \*1. These devices **are not suitable for interrupting the flow of current by disconnecting the mating connector.**
2. The placement of these devices within the equipment enclosure should be such that spacings between the live parts and the equipment are suitable for the particular application.
- \*3. **Deleted.**
4. The electrical and mechanical contact between the connector and the printed wiring board is to be judged in the end-use equipment.