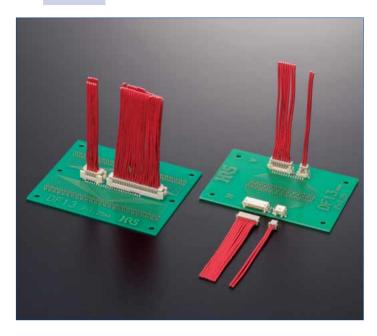


1.25mm Pitch Miniature Crimping Connector (UL Listed)

DF13 Series



Type Mounting Type Mounting Height(h) DIP 5.3mm Straight Type SMT 5.8mm Right Angle Type DIP 3.6mm SMT

Features

1. Miniature Size

Designed in the low profile at mounting height 5.8mm. (SMT mounting straight type) (For DIP type, the mounting height is to 5.3mm to the straight and 3.6mm at the right angle)

2. Multi-contact

The double row type achieves the multi-contact up to 40 contacts, and secures 30% higher density in the mounting area, compared with the single row type.

3. Correspond to Automatic Mounting

The header provides the grade with the vacuum absorption area, and secures automatic mounting by the embossed tape packaging.

In addition, the tube packaging can be selected. (Fig.1)

4. Integral Basic Function Despite Miniature Size

The header is designed in a scoop-proof box structure, and completely prevents mis-insertion.

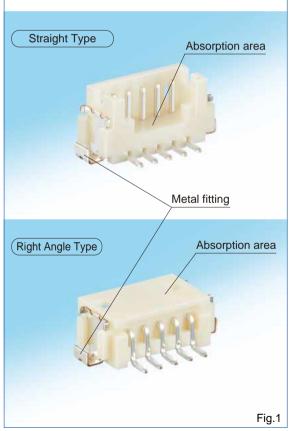
In addition, the surface mounting (SMT) header is equipped with the metal fitting to prevent solder peeling. (Fig.1)

5. UL Certifled

Applications

Note PC, mobile terminal, miniature type business equipment, and other various consumer equipment, including video camera

Correspond to Automatic Mounting Secure the automatic plain area for the absorption type automatic mounting machine.



■Product Specifications

	Rating	Rated Current	Specification		28 AWG : 2.0A/pin 32 AWG : 1.0A/pin		-35 to +85°C (Note 1)	Storage Temperature	-10 to +60°C (Note 2)
			UL	1A/pin					
		Rated	Specification	150V AC/DC		Operating	20 to 80%	Storage	40 to 70%
		Voltage	UL	29.9V AC/DC		Humidity Range	(Note 3)	Humidity Range	(Note 2)

Item	Specification	Condition
1.Insulation Resistance	500MΩ min.	100V DC
2.Withstanding voltage	No flashover or insulation breakdown.	500V AC/1 minute
3.Contact Resistance	30mΩ max.	100mA
4.Vibration	No electrical discontinuity of 1 μ s or more	Frequency: 10 to 55 Hz, single amplitude of 0.75 mm, 2 hours in each of the 3 directions.
5. Humidity (Steady state)	Contact resistance : $30m\Omega$ max. Insulation resistance : $500M\Omega$ min.	96 hours at temperature of 40°C and humidity of 90% to 95%
6.Temperature Cycle	Contact resistance : $30m\Omega$ max. Insulation resistance : $500M\Omega$ min.	(-55°C : 30 minutes→ 5 to 35°C : 10 minutes→ 85°C : 30 minutes→ 5 to 35°C : 10 minutes) 5 cycles
7. Durability (Mating/un-mating)	Contact resistance : 30mΩ max.	Tin plating : 30 cycles
		Gold plating : 50 cycles
8.Resistance to Soldering heat	No deformation of components affecting performance.	Flow: 250℃ for 10 seconds
		Manual soldering : 300°C for 3 seconds
		Reflow : At the recommended temperature profile
		Manual soldering : 300℃ for 3 seconds

Note 1: Includes temperature rise caused by current flow.

•UL File No. and Recognition

No. UL: E52653

Note 2: The term "storage" refers to products stored for long period of time prior to mounting and use. Operating Temperature Range and Humidity range covers non conducting condition of installed connectors in storage, shipment or during transportation.

Note 3: Use without condensation on parts.

Note 4: Information contained in the catalog represents general requirements for this Series. Contact us for the drawings and specifications for a specific part number shown.

■Materials/Finish

Product	Part	Material	Finish	Remarks	RoHS2
Crimping Socket	Insulator	Polyamide	Beige	UL94V-0	
Crimping Contact for Socket	Contact	Phosphor copper	Tin plated or gold plated		
	Insulator	Polyamide	Beige	UL94V-0	
Pin Header (Through hole)	Contact	Brass	Tin plated		1
	Insulator	Polyamide	Beige	UL94V-0	Yes
Pin Header (SMT Single row)	Contact	Brass	Tin plated or gold plated		163
	Metal Fitting	Phosphor copper	Tin plated		
	Insulator	Polyamide	Beige	UL94V-0	1
Pin Header (SMT Double row)	Contact	Brass	Tin plated or gold plated		
	Metal Fitting	Phosphor copper	Tin plated		

■ Product Number Structure

Refer to the chart below when determining the product specifications from the product number. Please select from the product numbers listed in this catalog when placing orders.

Connector

 $\frac{DF13}{1} - \frac{*}{2} \cdot \frac{S}{9} - \frac{1.25}{9} \cdot \frac{C}{9}$

1 Series Name : DF13	3 Connector Type	5 Connection Form / Contact Style.
2 Number of Contacts	S : Single row socket	C : Crimping socket
Single row : 2 to 12, 14, 15	P : Single row pin header	DSA : Straight through hole
Double row : 10, 20, 30, 40	DS : Double row socket	DS : Right angle through hole
	DP : Double row pin header	V : Straight SMT
	4 Contact Pitch : 1.25mm	H : Right angle SMT

Contact

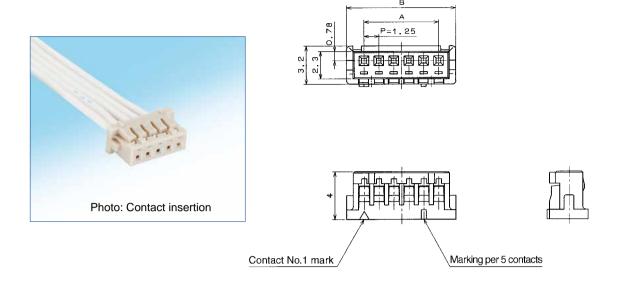
DF13

Style Symbol Blank: Standard G: Low insertion / extraction

2 Applicable Cable Size 2630 : 26 to 30 AWG 3032: 30 to 32 AWG 3 Packaging Type SCF: Socket Contact/Reel

4 Plating Type Blank: Tin plated A: Gold plated

■Single Row Socket



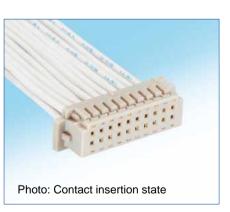
Unit: mm

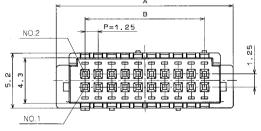
Part No.	HRS No.	No. of Contacts	Α	В
DF13-2S-1.25C	536-0001-4	2	1.25	4.15
DF13-3S-1.25C	536-0002-7	3	2.50	5.40
DF13-4S-1.25C	536-0003-0	4	3.75	6.65
DF13-5S-1.25C	536-0004-2	5	5.00	7.90
DF13-6S-1.25C	536-0005-5	6	6.25	9.15
DF13-7S-1.25C	536-0006-8	7	7.50	10.40
DF13-8S-1.25C	536-0007-0	8	8.75	11.65

Part No.	HRS No.	No. of Contacts	Α	В
DF13- 9S-1.25C	536-0008-3	9	10.00	12.90
DF13-10S-1.25C	536-0009-6	10	11.25	14.15
DF13-11S-1.25C	536-0010-5	11	12.50	15.40
DF13-12S-1.25C	536-0011-8	12	13.75	16.65
DF13-13S-1.25C	536-0012-0	13	15.00	17.90
DF13-14S-1.25C	536-0013-3	14	16.25	19.15
DF13-15S-1.25C	536-0014-6	15	17.50	20.40

Note 1: The quantity is delivered per bag (100pcs.). If needed, please select and order the products per bag.

■Double Row Socket





Contact No.1 mark

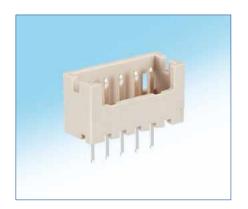


Unit: mm

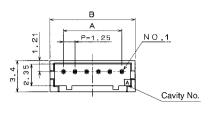
Part No.		HRS No.	No. of Contacts	Α	В
	DF13-10DS-1.25C	536-0550-2	10	10.40	5.00
	DF13-20DS-1.25C	536-0555-6	20	16.65	11.25
	DF13-30DS-1.25C(10)	536-0560-6 10	30	22.90	17.50
	DF13-40DS-1.25C(10)	536-0565-0 10	40	29.15	23.75

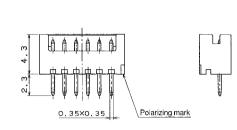
Note: The quantity is delivered per bag (100pcs). If needed, please select and order the products per bag.

■Single Row Straight Pin Header (Through hole)



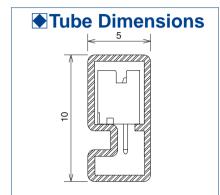
●Board Through-hole Diameter : \(\phi 0.6 \pm 0.6 \pm 0.03 \)





[Specific No.] (05): Tin plated

(25): Tin plated, tube packaging



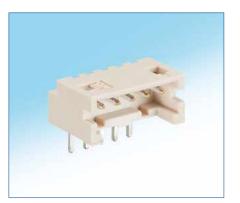
Unit: mm

Part No.	HRS No.	No. of Contacts	Α	В	Tube Packaging Quantity
DF13-2P-1.25DSA(**)	536-0101-9 **	2	1.25	4.15	115
DF13-3P-1.25DSA(**)	536-0102-1 **	3	2.50	5.40	89
DF13-4P-1.25DSA(**)	536-0103-4 **	4	3.75	6.65	72
DF13-5P-1.25DSA(**)	536-0104-7 **	5	5.00	7.90	61
DF13-6P-1.25DSA(**)	536-0105-0 **	6	6.25	9.15	52
DF13-7P-1.25DSA(**)	536-0106-2 **	7	7.50	10.40	46
DF13-8P-1.25DSA(**)	536-0107-5 **	8	8.75	11.65	41

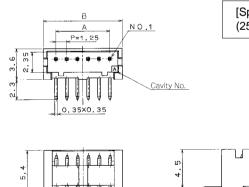
	•				
Part No.	HRS No.	No. of Contacts	Α	В	Tube Packaging Quantity
DF13- 9P-1.25DSA(**)	536-0108-8 **	9	10.00	12.90	37
DF13-10P-1.25DSA(**)	536-0109-0 **	10	11.25	14.15	34
DF13-11P-1.25DSA(**)	536-0110-0 **	11	12.50	15.40	31
DF13-12P-1.25DSA(**)	536-0111-2 **	12	13.75	16.65	29
DF13-13P-1.25DSA(**)	536-0112-5 **	13	15.00	17.90	27
DF13-14P-1.25DSA(**)	536-0113-8 **	14	16.25	19.15	25
DF13-15P-1.25DSA(**)	536-0114-0 **	15	17.50	20.40	23

Note 1: The quantity at the specific No."05" is delivered per bag (100pcs.). If needed, please select and order the products per bag. Note 2: Order the tube packaging product, multiplying the tube packaging quantity.

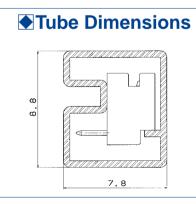
■Single Row Right Angle Pin Header (Through hole)



●Board Through-hole Diameter : \(\phi 0.6 \pm 0.6 \pm 0.03 \)



[Specific No.] (**), **
(25): Tin plated tube packaging



Unit: mm

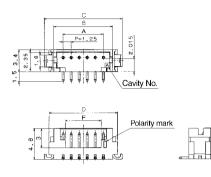
Part No.	HRS No.	No. of Contacts	Α	В	Tube Packaging Quantity
DF13-2P-1.25DS(25)	536-0151-7 25	2	1.25	4.15	115
DF13-3P-1.25DS(25)	536-0152-0 25	3	2.50	5.40	89
DF13-4P-1.25DS(25)	536-0153-2 25	4	3.75	6.65	72
DF13-5P-1.25DS(25)	536-0154-5 25	5	5.00	7.90	61
DF13-6P-1.25DS(25)	536-0155-8 25	6	6.25	9.15	52
DF13-7P-1.25DS(25)	536-0156-0 25	7	7.50	10.40	46
DF13-8P-1.25DS(25)	536-0157-3 25	8	8.75	11.65	41

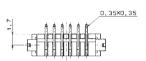
Part No.	HRS No.	No. of Contacts	Α	В	Tube Packaging Quantity
DF13- 9P-1.25DS(25)	536-0158-6 25	9	10.00	12.90	37
DF13-10P-1.25DS(25)	536-0159-9 25	10	11.25	14.15	34
DF13-11P-1.25DS(25)	536-0160-8 25	11	12.50	15.40	31
DF13-12P-1.25DS(25)	536-0161-0 25	12	13.75	16.65	29
DF13-14P-1.25DS(25)	536-0163-6 25	14	16.25	19.15	25
DF13-15P-1.25DS(25)	536-0164-9 25	15	17.50	20.40	23

Note 1: Order the tube packaging product, multiplying the tube packaging quantity.

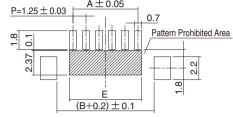
■Single Row Straight Pin Header (SMT) (Three-Wall/Correspond to Vacuum Absorption)







●PCB mounting pattern



Note 1.Shaded area must be free of any electrically conductive traces to avoid contact with soldered pin header terminations.

This pin header is a three-wall type, header has sufficiently large flat areas to allow pick-up with vacuum nozzles of automatic placement equipment.

[Specific No.] (**), **

(21): Tin plated embossed tape packaging (51): Gold plated embossed tape packaging

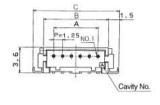
Unit: mm

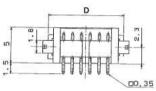
Part No.	HRS No.	No. of Contacts	А	В	С	D	Е	F	Emboss Width
DF13C- 2P-1.25V(**)	536-0401-2 **	2	1.25	4.15	7.15	5.65	1.95	2.20	16
DF13C- 3P-1.25V(**)	536-0402-5 **	3	2.50	5.40	8.40	6.90	3.20	3.45	16
DF13C- 4P-1.25V(**)	536-0403-8 **	4	3.75	6.65	9.65	8.15	4.45	3.10	24
DF13C- 5P-1.25V(**)	536-0404-0 **	5	5.00	7.90	10.90	9.40	5.70	4.35	24
DF13C- 6P-1.25V(**)	536-0405-3 **	6	6.25	9.15	12.15	10.65	6.95	5.60	24
DF13C- 7P-1.25V(**)	536-0406-6 **	7	7.50	10.40	13.40	11.90	8.20	6.85	24
DF13C- 8P-1.25V(**)	536-0407-9 **	8	8.75	11.65	14.65	13.15	9.45	8.10	24
DF13C- 9P-1.25V(**)	536-0408-1 **	9	10.00	12.90	15.90	14.40	10.70	9.35	24
DF13C-10P-1.25V(**)	536-0409-4 **	10	11.25	14.15	17.15	15.65	11.95	10.60	24
DF13C-11P-1.25V(**)	536-0410-3 **	11	12.50	15.40	18.40	16.90	13.20	11.85	32
DF13C-12P-1.25V(**)	536-0411-6 **	12	13.75	16.65	19.65	18.15	14.45	13.10	32
DF13C-14P-1.25V(**)	536-0413-1 **	14	16.25	19.15	22.15	20.65	16.95	15.60	32
DF13C-15P-1.25V(**)	536-0414-4 **	15	17.50	20.40	23.40	21.90	18.20	16.85	44

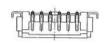
Note 1: Please order the embossed tape packaging product according to reel number. (1000pcs/reel)

■Single Row Right Angle Pin Header (SMT) (Four-Wall/Correspond to Vacuum Absorption)

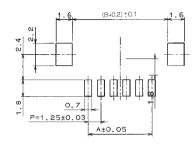








●PCB mounting pattern





[Specific No.] (**), **

(21): Tin plated embossed tape packaging (51): Gold plated embossed tape packaging

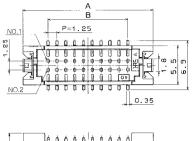
Unit: mm

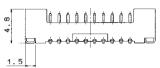
Part No.	HRS No.	No. of Contacts	А	В	С	D	Emboss Width
DF13A- 2P-1.25H(**)	536-0301-8 **	2	1.25	4.15	7.15	5.65	16
DF13A- 3P-1.25H(**)	536-0302-0 **	3	2.50	5.40	8.40	6.90	16
DF13A- 4P-1.25H(**)	536-0303-3 **	4	3.75	6.65	9.65	8.15	24
DF13A- 5P-1.25H(**)	536-0304-6 **	5	5.00	7.90	10.90	9.40	24
DF13A- 6P-1.25H(**)	536-0305-9 **	6	6.25	9.15	12.15	10.65	24
DF13A- 7P-1.25H(**)	536-0306-1 **	7	7.50	10.40	13.40	11.90	24
DF13A- 8P-1.25H(**)	536-0307-4 **	8	8.75	11.65	14.65	13.15	24
DF13A- 9P-1.25H(**)	536-0308-7 **	9	10.00	12.90	15.90	14.40	24
DF13A-10P-1.25H(**)	536-0309-0 **	10	11.25	14.15	17.15	15.65	24
DF13A-11P-1.25H(**)	536-0310-9 **	11	12.50	15.40	18.40	16.90	32
DF13A-12P-1.25H(**)	536-0311-1 **	12	13.75	16.65	19.65	18.15	32
DF13A-14P-1.25H(**)	536-0313-7 **	14	16.25	19.15	22.15	20.65	32
DF13A-15P-1.25H(**)	536-0314-0 **	15	17.50	20.40	23.40	21.90	44

Note 1 : Please order the embossed tape packaging product according to reel number. (1000pcs/reel)

■Double Row Straight Pin Header (SMT) (Four-Wall/Correspond to Vacuum Absorption)

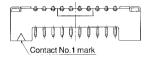




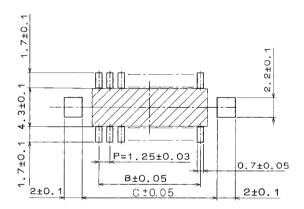








● PCB mounting pattern



Note 1. Shaded area must be free of any electrically conductive traces to avoid contact with soldered pin header terminations.

[Specific No.] (**), **

(22): Tin plated embossed tape packaging (52): Gold plated embossed tape packaging

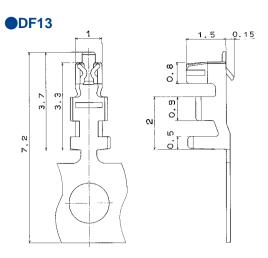
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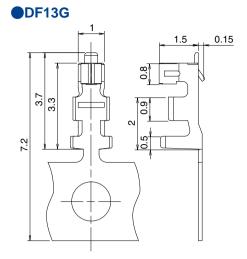
Part No.	HRS No.	No. of Contacts	А	В	С	Spec No. (22)	Spec No. (52)	Emboss Width
DF13EA-10DP-1.25V(**)	536-0570-0	10	12.10	5.00	8.70	~	~	24
DF13EA-20DP-1.25V(**)	536-0571-0	20	18.35	11.25	14.95	~	~	32
DF13EA-30DP-1.25V(**)	536-0572-0	30	24.60	17.50	21.20	~	~	44
DF13EA-40DP-1.25V(**)	536-0573-0	40	30.85	23.75	27.45	_	~	44

Note 1: Please order the embossed tape packaging product according to reel number. (1000pcs/reel)

Note 2: The absorption cap is attached to the embossed tape packaging product.

■Crimping Contact





Reel Contact (1Reel, 10,000reel contacts)

		Applicable Cable (Tin Plated Annealing Copper Wire) (Note 1)					Note 1)								
Part No.	HRS No.	Finish	UL	Wire size	Stranded wire conductor	Calcuated coss-section	Jacket Diameter								
			1001	26 AWG	7Pieces / φ0.16mm	0.141mm ²	0.50 +-								
DF13-2630SCF	536-0300-5		1061 1571	28 AWG	7Pieces / φ0.127mm	0.089mm ²	0.56 to 1.0mm								
		Tin plated	13/1	30 AWG	7Pieces / φ0.1mm	0.055mm ²	1.0111111								
DF13-3032SCF	526 0200 9		1061	30 AWG	7Pieces /	0.055mm ²	0.52 to								
DF13-30323CF	536-0299-8		1571	32 AWG	7Pieces / φ0.08mm	0.035mm ²	0.8mm								
			1001	26 AWG	7Pieces / φ0.16mm	0.141mm ²	0.50.40								
DF13-2630SCFA(04) 536	536-0298-5 04	Au plated	Au plated	1061 1571	28 AWG	7Pieces / φ0.127mm	0.089mm ²	0.56 to 1.0mm							
				Au plated	13/1	30 AWG	7Pieces / φ0.1mm	0.055mm ²	1.0111111						
DF13-3032SCFA	F00 0044 0		1061	30 AWG	7Pieces / φ0.1mm	0.055mm ²	0.52 to								
DF13-30323CFA	536-0641-6	330-0041-6	536-0641-6	536-0641-6							1571	32 AWG	7Pieces / φ0.08mm	0.035mm ²	0.8mm
DE100.00000E			1001	26 AWG	7Pieces / φ0.16mm	0.141mm ²	0.50.4-								
DF13G-2630SCF (Low insertion/extraction) 536-0643-1	536-0643-1	Tin plated	Tin plated	1061 1571	28 AWG	7Pieces / φ0.127mm	0.089mm ²	0.56 to 1.0mm							
			15/1	30 AWG	7Pieces /	0.055mm ²	1.0111111								
DE100 000000EA	2222254		1001	26 AWG	7Pieces / φ0.16mm	0.141mm ²	0.50.4-								
DF13G-2630SCFA (Low insertion/extraction)	536-0642-9	Au plated	1061 1571	28 AWG	7Pieces / φ0.127mm	0.089mm ²	0.56 to 1.0mm								
(LOW INSERTION/EXTRACTION)			13/1	30 AWG	7Pieces /	0.055mm ²	1.0111111								

Note 1: Please contact your local Hirose sales REP if you plan on using wires other than those listed above.

◆Applicable Crimping Tool

Туре	Part No.	HRS No.	Applicable Cable (Note 5)	Applicable Contact
Applicator for	AP105-DF13-2630S	901-4531-9	UL1571 UL1061	DF13-2630SCF/SCFA (04) DF13G-2630SCF/SCFA
Hirose Crimping Tool	AP105-DF13-2630S-S	901-4555-7	(Note 4)	DF 13G-26303CF/3CFA
	AP105-DF13-3032S	901-4552-9	UL1571	DF13-3032SCF/SCFA
Applicators Compatible with Other Companies'	AP109A-DF13-2630S	901-4562-2	UL1571 UL1061	DF13-2630SCF/SCFA (04) DF13G-2630SCF/SCFA
Crimping Tools (Note 3)	AP109A-DF13-2630SS	901-4557-2	(Note 4)	DF 13G-26303CF/3CFA
Hirose Crimping Tool	CM-105C	901-0001-0	_	_
Manual Crimping Tool	DF13-TB2630HC	550-0256-1	UL1571	DF13-2630SCF (Note 6)
Extraction Tool	DF-C-PO (B)	550-0179-2	_	DF13-2630SCF/SCFA (04) DF13G-2630SCF/SCFA DF13-3032SCF/SCFA

- Note 1: Please conduct crimping based on the "Crimping Quality Standards (ATAD-H0895-00, ATAD-H0953-00)" and "Crimping Conditions Table".
- Note 2: Problems with tools not specified by Hirose are outside the scope of warranty.
- Note 3: Applicators compatible with other companies' crimping tools (AP109A type applicator) cannot be used with Hirose crimping tool CM-105C. A separate attachment for mounting is needed when using the applicator. Contact the crimping tool maker for inquries on the attachment.
- Note 4: Thin cable applicator type
- Note 5 : Applicable cables are limted to those listed in the table. Contact a Hirose representative for inquiries regarding cables other than those listed.
- Note 6 : Cut the reel terminal sequentially with the carrier attached for use with the manual crimping tool. The applicable contacts are limited to those

Crimping

Items required prior to start crimping

The work-related documents shown below are required before starting the harness connections.

(The mark shows the document required.)

When the documents shown below are not available, ask our sales personnel to provide them.

Document Title	Description	Automatic Crimping Machine	Hand Crimping Tool	Remarks	
(1) Main unit of crimping machine instruction manual	Explanation of main press machine unit	•	_	When purchasing main press machine unit, it is bundled.	
(2) Operating Instructions for Hand Tool	Crimp operation	•	_		
(3) Applicator Spare Parts Identification	Explanation for Applicator installation	•	_	Mhan nurahasing Applicator	
(4) Crimp Conditions	Standard values of : Crimp height ; Tensile strength	When purchasing Applicator, it is bundled.			
(5) Crimp Quality Standards	Various standards for crimping conditions	•	_		
(6) Operating Instructions for Hand Tool	Inspection items of : Crimp height ; Crimp operation Tensile strength	_	•	When purchasing Hand Tool, it is bundled.	

Tools

When crimping work is applied to our contacts, the tool designated by Hirose should be used.

Crimping work by using tools other than as designated must not be done because it may result in contact failure, disconnection of cable, etc.

*The operating instructions manual is available for the crimping machine and the applicator. Be sure to carefully read the operating instructions manual befor implementing the work.

Applicable electric wires

Check that the electric wire to be used is in the range of application.

If you intend to use an electric wire other than the recommended one, ask our sales personnel.

[Precautions]

- Electric wires that are applicable for crimping connectors shall, principally, be the tin-plated stranded soft-copper wire.
- · Crimping of electric wires wherein single wires, polyester yarns, etc., exist and crimping of tin-coated wires should be avoided.
- · Avoid crimping two electric wires together.
- The setting values of crimp height (Note 1) may vary between tin-plated and gold-plated terminals even if the same electric wires are used.
- The setting values of crimp height (Note 1) may vary depending on the difference in the core wire configuration even if the computed cross-sectional area is the same.

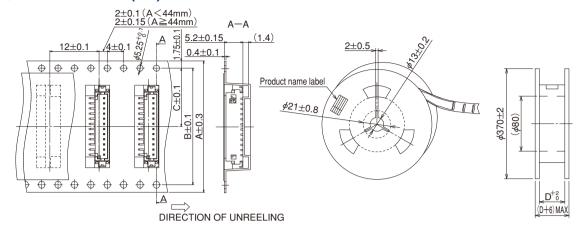
Note 1: The crimp height is an important item that determines crimping quality. We execute crimping tests for each electric wire to ensure the optimal value for the crimp height with high precision, thereby ensuring optimal setup values.

Application Pattern

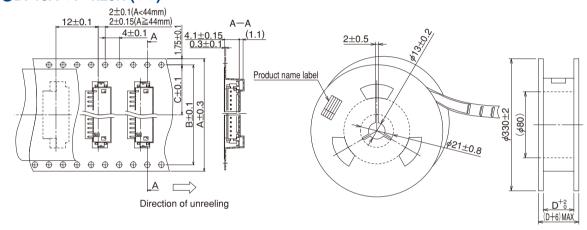
	SMT (Single Row Product)	Through hole (Single Row Product)	SMT (Double Row Product)
Right Angle	DF13-*S-1.25C (6) (6) (7) (6) (8) (9) (9) (9) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	DF13-*S-1.25C (6.4) (5.4) (6.4) (6.4)	
Straight	DF13-*S-1.25C DF13C-*P-1.25V(**)	DF13-*S-1.25C DF13-*P-1.25DSA(**)	DF13-*DS-1.25C(**) DF13EA-*DP-1.25V(**) (5.5)

● Embossed Carrier Tape Dimensions

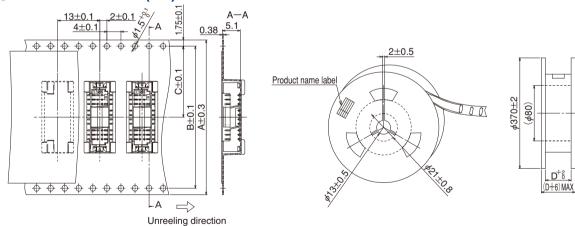
●DF13C-*P-1.25V (**)



DDF13A-*P-1.25H (**)



DF13EA-*DP-1.25V (**)



Unit: mm

Product Type Size	No. of Contacts	А	В	С	D
	2, 3	16		7.5	16.4
DF13C-*P-1.25V (**)	4 to 10	24		11.5	24.4
DF13A-*P-1.25H (**)	11 to 14	32	28.4	14.2	32.4
	15	44	40.4	20.2	44.4

Note: The 13 contacts is not serialized.

Unit: mm

Product Type Size	No. of Contacts	А	В	С	D
·	10	24		11.5	24.4
DF13EA-*DP-1.25V (**)	20	32	28.4	14.2	32.4
	30 to 40	44	40.4	20.2	44.4

● Precautions

 Recommended Temperature 						
Profile (SMT)	20 1141					
,	10sec MAX					
	250					
	230°C					
	2500					
	200					
	<u>Θ</u> 190℃					
	₩ 5 170					
	© 190°C					
	AP AP					
	單 100 十/					
	/					
	O TIME (Sec)					
	PRE-HEATING TIME SOLDERINGTIME					
	[Applicable Conditions]					
	1. Peak temperature: 250°C max.					
	2. Heating area : 230°C min. for less than 60 seconds 3. Preheating area : 170°C to 190°C for 60 to 120 seconds					
	4. Number of times : no more than 2 times					
	* Measurement is conducted at the contact lead part					
	Soldering results may change depending on conditions such as solder paste type,					
	manufacturer, PCB size, and other soldering materials.					
	Please determine all mounting conditions before use.					
	Note 1 : This temperature profile is a recommended value.					
	Note 2: Up to 2 cycles of Reflow soldering are possible under the same conditions, provided					
	that there is a return to normal temperature between the first and second cycle.					
	Note 3: The temperature profile indicates the board surface temperature at the point of contacts with the connector terminals.					
	Note 4 : Slight variations in color of the plastic compounds do not affect form, fit or function					
	of the connector.					
2. Recommended Screen						
Thickness (SMT)	0.15 to 0.2mm					
3. Board Warpage (SMT)	Max 0.03mm in the connector center area, based on both connector edges					
4. Recommended Manual	290±10℃ for 2 seconds max.					
Soldering Condition						
5. Cleaning Condition	Refer to Wire to board connector Use Hand book.					
	IPA cleaning is allowed. (Cleaning is not recommended because cleaning may change the					
6. Cautions	mating/withdrawal feeling etc. Please contact us when you use other cleaning agents.)					
o. Gautions	■Be careful for the excessive scoop insertion/extraction, which will cause damage to the product. ■The color of the plastic molding may differ slightly depending on product lot and future					
	storage conditions but this does not affect the product performance. Black spots may appear					
	on the mold resin but this does not affect the product quality.					
7. Precautions	Please refer to following documents in handling this product.					
	■Crimp quality standards (ETAD-H0895-00, ETAD-H0953-00)					
	■Wire to board connector Use Hand book.					

Precautions

<Pre><Pre>cautions at Time of Insertion>

Align with the connector form and press down continue pressing until there is a tactile click.

Handing

Method: Lightly grasping the base the cable, press the connector with your finger and insert it.

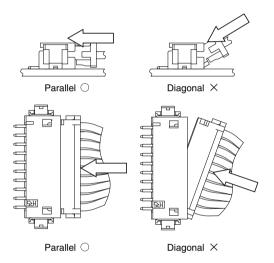
Insertion Angle

Caution: Do not insert at an angle of 30° or greater.

Doing so will cause contact deformation or

case damage.

Method: Insert with the connector parallel.



<Pre><Pre>cautions at Time of Disconnection>

Align with the connector form and press down continue pressing until there is a tactile click.

Handing

Method: Grasp the cable so that the entire cable is pulled evenly and it out.

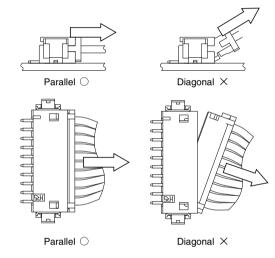
Angle of Removal

Caution: Do not remove at an angle of 30° or greater.

Doing so will cause contact deformation or

case damage.

Method: Remove with the connector parallel.



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