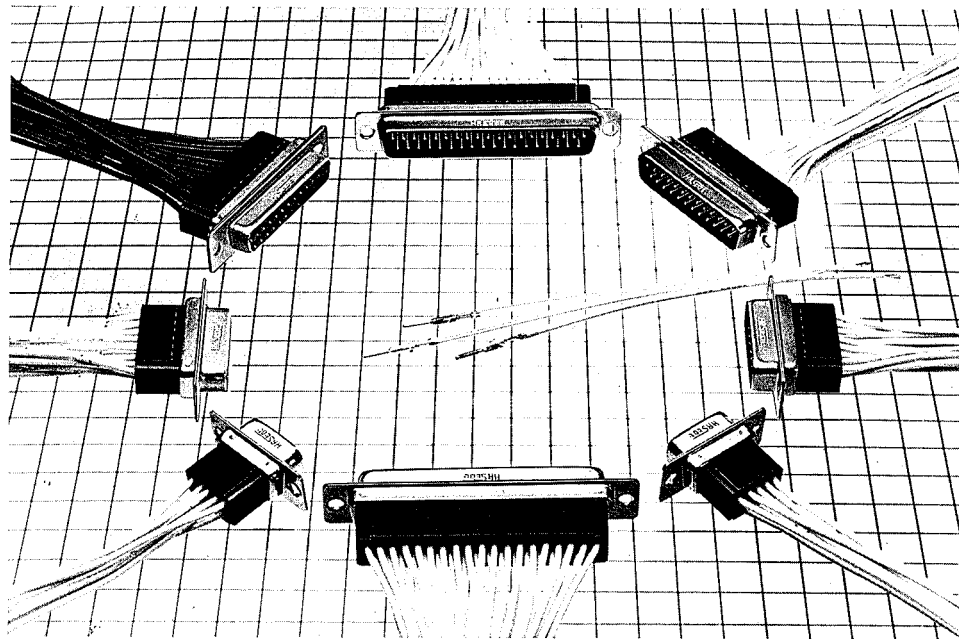


# CD CRIMP TYPE CONNECTOR

## General

The model CD connectors are SM Series (sub-miniature) rectangular multi-contact crimping connectors. CD Crimp Type Connectors are Crimp Type D Sub-miniature Connectors for Discrete Wire Terminations.

Available in 9, 15, 25 and 37 way. Terminals available for AWG28 through AWG20. Plug with Grounding dimples is introduced now.



## Features

- (1) Compact and sturdy due to metal shell.
- (2) Can be mounted on the front or back of a panel or chassis as necessary.
- (3) Requires no special withdrawal jig (push the retainers from the connector sides to insert/withdraw the connector).
- (4) Uses insulation made from highly heat-resistant and chemical-resistant UL synthetic resin.

## Applications

Suitable for modems in communications equipment such as computers, peripherals and terminals, control equipment, measuring instruments, and export equipment.

## Electrical and Environmental

Electrical and Environmental Characteristics	
Current capacity	3A
Rated voltage	AC 350V
Insulation resistance	5000mΩ or higher at DC 500V
Contact resistance	25m Ω or less at DC 100mA
Withstand voltage	1 minute at AC 1250Vrms

Material and finish		
Shell	Steel	Treatment with dichromate or zinc plating
Insulator	PBT (GE Valox) *	Black
Contacts	Phosphor bronze	Nickel plating + Gold plating

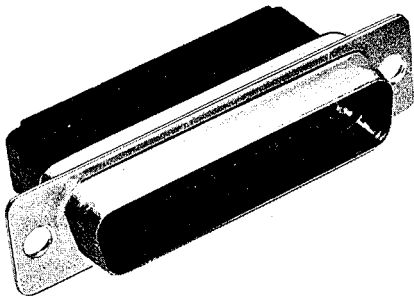
\*UL94V-0

## Connector Housing

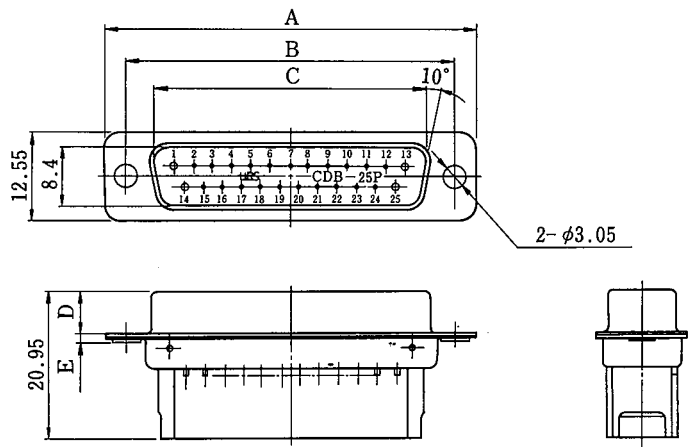
CD   B   -   25   P   F   (05)  
 (1)   (2)   (3)   (4)   (5)   (6)

- (1) Series Name CD: Crimping type
- (2) Shell Size E.A.B.C.
- (3) No. of Pin 9,15,25,37
- (4) Type of Housing
  - P: Plug Housing
  - S: Receptance Housing
- (5) Type of Shell
  - F: With Grounding dimples
- (6) Finish of Shell
  - (05) Nickel plated
  - Blank: Treatment with dichromate over zinc plating

## Male Connector



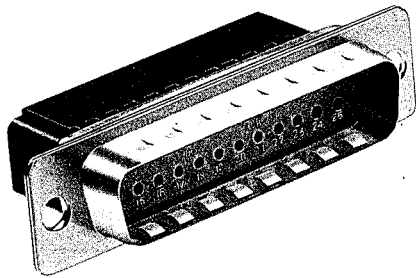
CL211-0211-6  
CDB-25P



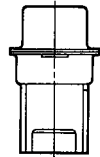
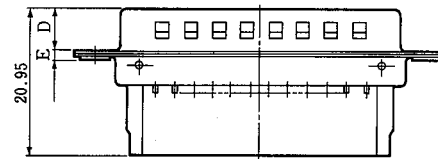
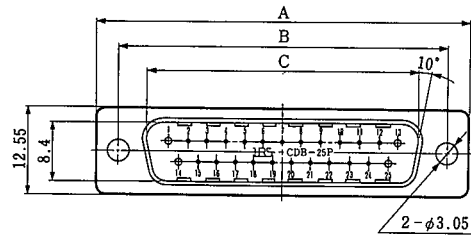
(Unit:mm)

HRS No.	No. of Pin	Part No.	A	B	C	D	E
* CL211-0186-0	9	CDE-9P	30.81	24.99	16.9	5.99	1.2
* CL211-0279-0	15	CDA-15P	39.14	33.32	25.24	5.99	1.2
* CL211-0211-6	25	CDB-25P	53.04	47.04	39.01	5.87	1.3
* CL211-0281-1	37	CDC-37P	69.32	63.5	55.47	5.87	1.4

\*:Standard



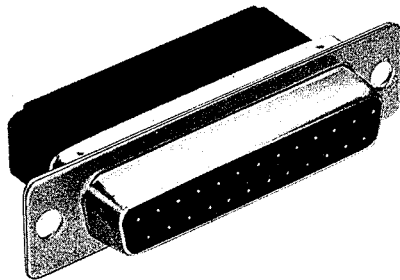
CL211-0602-3-05  
CDB-25PF(05)



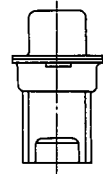
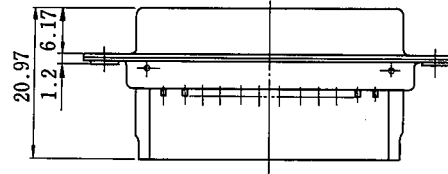
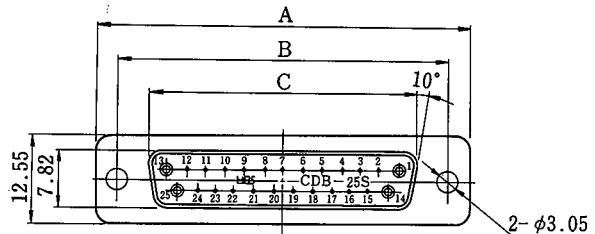
Unit:mm

HRS No.	No. of Pin	Part No.	A	B	C	D	E
CL211-0600-8-05	9	CDE-9PF(05)	30.81	24.99	16.9	5.99	1.2
CL211-0601-0-05	15	CDA-15PF(05)	39.14	33.32	25.24		
CL211-0602-3-05	25	CDB-25PF(05)	53.04	47.04	39.01	5.87	1.3
CL211-0603-6-05	37	CDC-37PF(05)	69.32	63.5	55.47		

## Female Connector



CL211-0212-9  
CDB-25S



Unit:mm

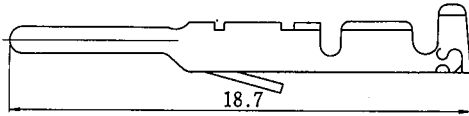
HRS No.	No. of Pin	Part No.	A	B	C
※ CL211-0207-9	9	CDE-9S	30.81	24.99	16.4
※ CL211-0280-9	15	CDA-15S	39.14	33.32	24.59
※ CL211-0212-9	25	CDB-25S	53.04	47.04	38.3
※ CL211-0282-4	37	CDC-37S	69.32	63.5	54.76

※:Standard

Nickel-Plated version have (05) added to their standard-part numbers

# Contact

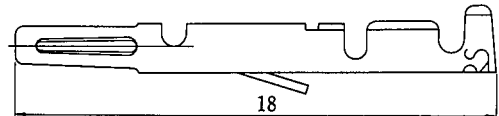
## Male Contact



Item	HRS No.	Part No.	Applicable wire
Loose contact	CL211-0185-8	CD-PC-111	AWG # 20~24
	*CL211-0202-5	CD-PC-121	AWG # 24~28
Chain contact	*CL211-0200-0	CD-PC-211	AWG # 20~24
	*CL211-0201-2	CD-PC-221	AWG # 24~28

\*: Standard

## Female Contact



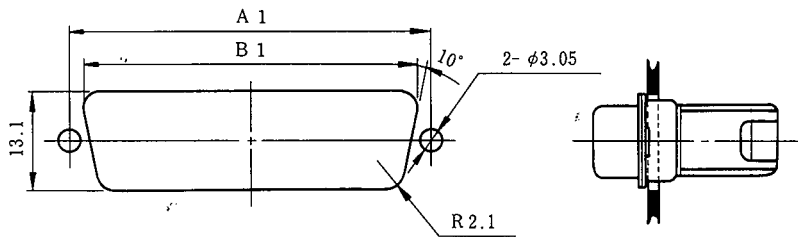
Item	HRS No.	Part No.	Applicable wire
Loose contact	*CL211-0205-3	CD-SC-111	AWG # 20~24
	*CL211-0206-6	CD-SC-121	AWG # 24~28
Chain contact	*CL211-0203-8	CD-SC-211	AWG # 20~24
	*CL211-0204-0	CD-SC-221	AWG # 24~28

\*: Standard

Note: Loose-Piece terminals are available in Packs. Each Pack contains 100 terminals. Strip terminals are available in reels. Each contains 10,000 terminals

## Connector Mounting Method and Mounting Dimensions

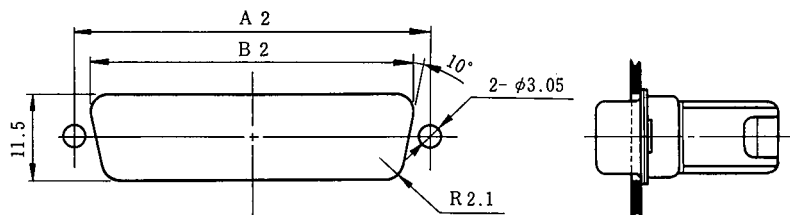
### Connector mounted on the face of the panel (front mounting)



Unit: mm

Shell size	A1	B1
E	24.99	22
A	33.32	30.3
B	47.04	44
C	63.5	60.5

### Connector mounted on the back of the panel (rear mounting)

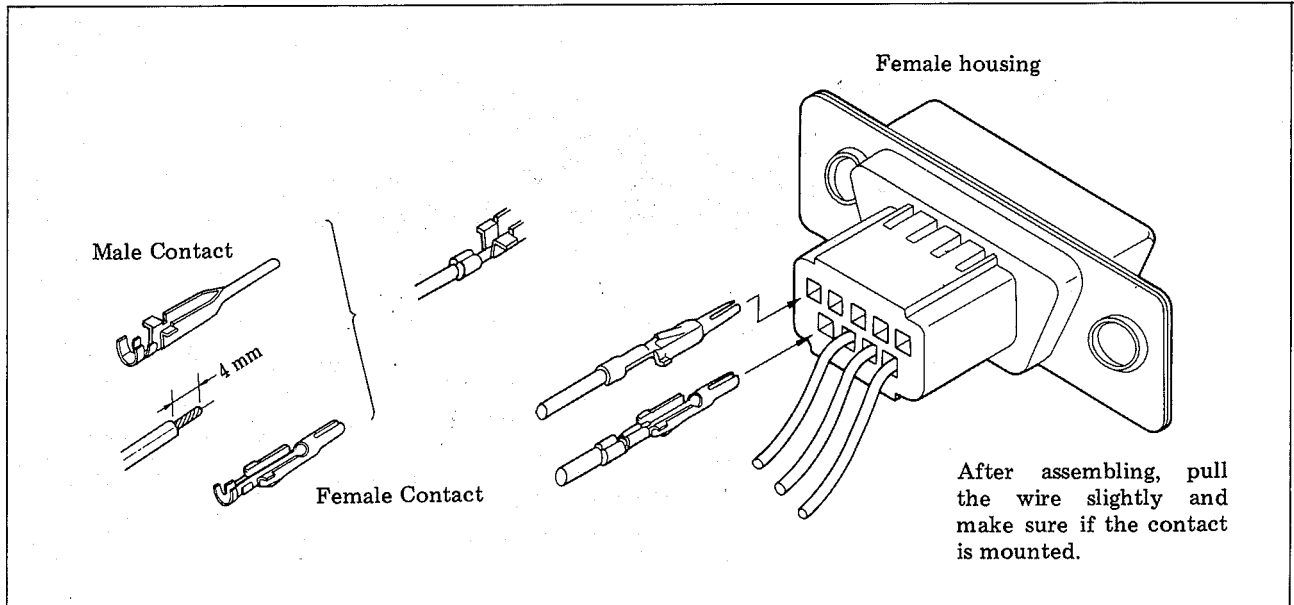


Unit: mm

Shell size	A2	B2
E	24.99	20.2
A	33.32	28.6
B	47.04	42.5
C	63.5	59.2

# Assembling Procedure of Crimp Contact

## Assembly Steps



### ● Procedure for Contact Extraction

In case of extracting a contact from the housing in insertion error or in circuit change, follow the steps as shown below:

#### (1) How to extract a contact

Insert a 1.1 x 0.5 mm thick board into the lance-fixed-hole of the housing as shown in Fig. 1 and extract the contact by pulling the wire.

#### (2) How to raise up a lance

When the extracted contact is installed again in the housing, please raise up the contact lance as shown in Fig. 2 and then insert it to the housing.

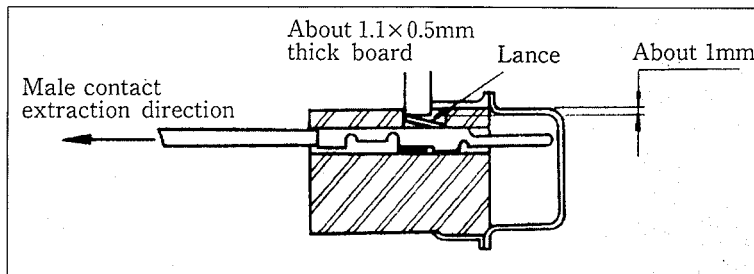


Fig. 1

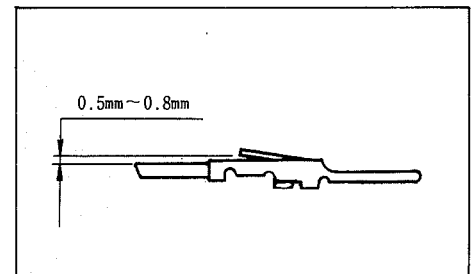
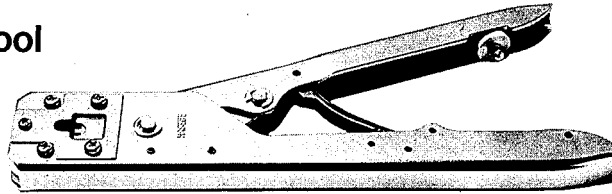


Fig. 2

Figure 1 illustrates a female terminal. This also applies for a male terminal.

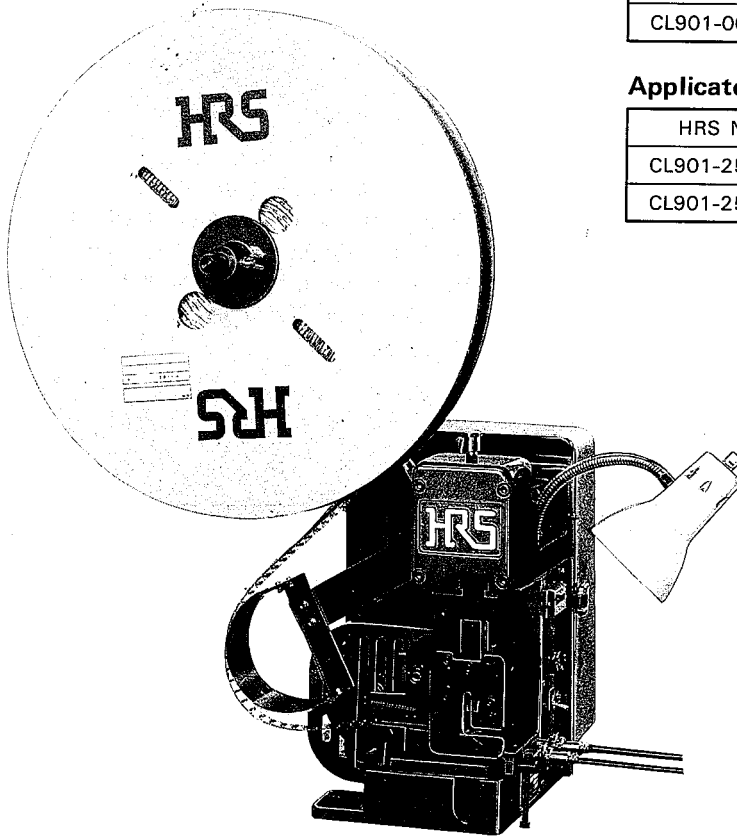
# Tools

## Hand Crimp Tool



HRS No.	Part No.	Applicable contact	Applicable wire
CL250-0012-2	TC-CD-111	CD-PC-111	AWG-24-20 (Coating O.D.: $\phi$ 1.5- $\phi$ 1.9)
		CD-SC-111	
CL250-0013-5	TC-CD-121	CD-PC-121	AWG28-24 (Coating O.D.: $\phi$ 1.2- $\phi$ 1.5)
		CD-SC-121	

## Auto Crimp Tool



### Crimping machine

HRS No.	Part No.
CL901-0005-4	CM-105

### Applicator

HRS No.	Part No.	Applicable wire
CL901-2517-7	AP105-CD-1	CD-PC-211 SC-211
CL901-2518-0	AP105-CD-2	CD-PC-221 SC-221