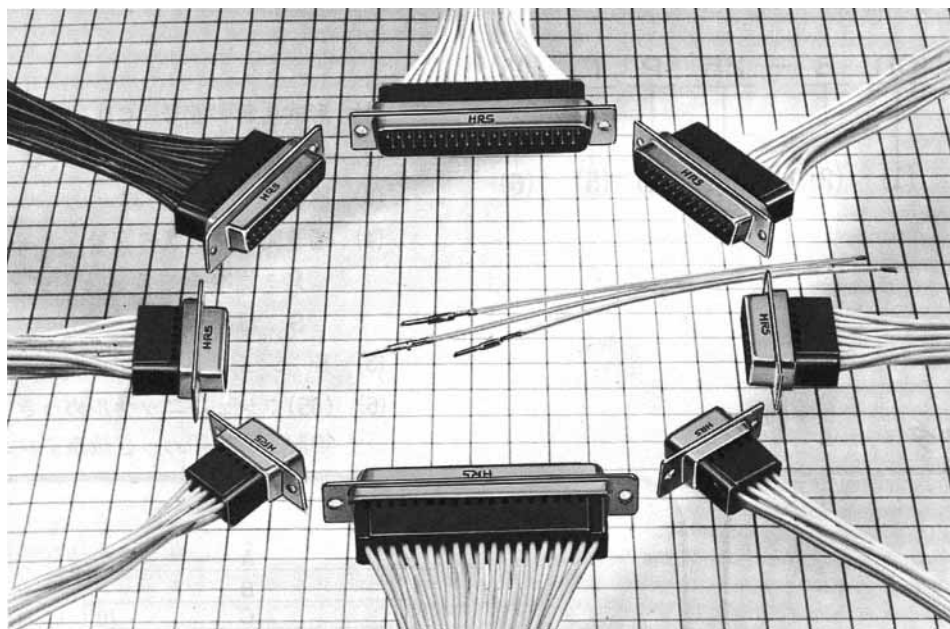


# CD CRIMP TYPE CONNECTOR

## 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.

## Application

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	350V AC
Insulation resistance	5000m $\Omega$ min. at 500V DC
Contact resistance	25m $\Omega$ max. at 100mA DC
Withstand voltage	1250Vrms AC for 1 minute

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

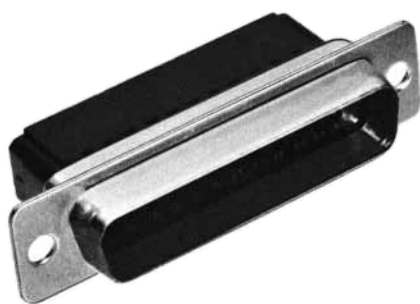
\*UL94V-0

## Connector Housing

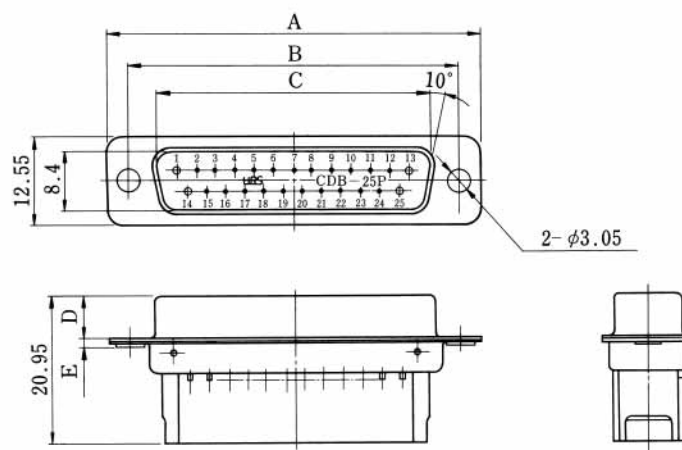
**C D B — 25 P F (05)**  
 (1) (2) (3) (4) (5) (6)

- (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) Specification contents  
(05): Nickel plated shell

## Male Connector

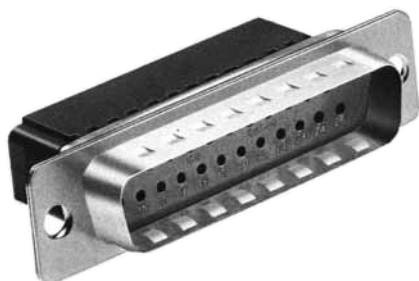


CDB-25P (05)

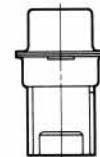
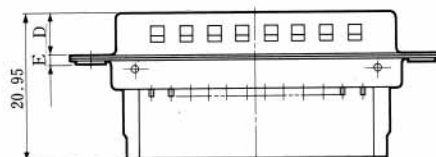
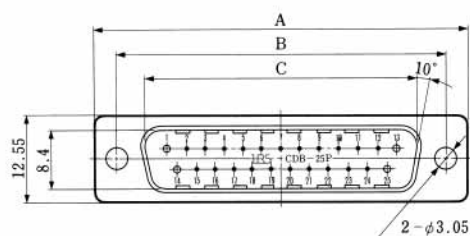


Unit: mm

HRS No	No. of pin	Part No.	A	B	C	D	E	RoHS
CL211-0186-0-05	9	CDE-9P (05)	30.81	24.99	16.9	5.99	1.2	YES
CL211-0279-0-05	15	CDA-15P (05)	39.14	33.32	25.24	5.99	1.2	
CL211-0211-6-05	25	CDB-25P (05)	53.04	47.04	39.01	5.87	1.3	
CL211-0281-1-05	37	CDC-37P (05)	69.32	63.5	55.47	5.87	1.4	



CDB-25PF (05)



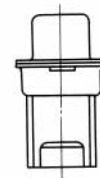
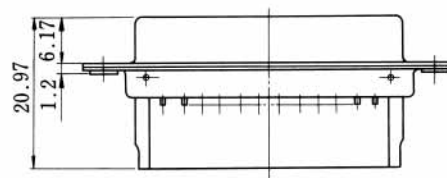
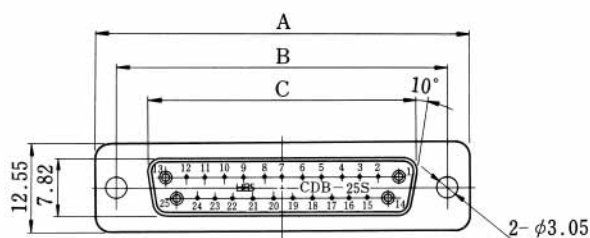
Unit: mm

HRS No	No. of pin	Part No.	A	B	C	D	E	RoHS
CL211-0600-8-05	9	CDE-9PF (05)	30.81	24.99	16.9	5.99	1.2	YES
CL211-0601-0-05	15	CDA-15PF (05)	39.14	33.32	25.24		1.3	
CL211-0602-3-05	25	CDB-25PF (05)	53.04	47.04	39.01	5.87	1.4	
CL211-0603-6-05	37	CDC-37PF (05)	69.32	63.5	55.47			

## Female Connector



CDB-25S (05)

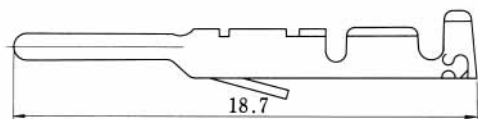


Unit: mm

HRS No	No. of pin	Part No.	A	B	C	RoHS
CL211-0207-9-05	9	CDE-9S (05)	30.81	24.99	16.4	YES
CL211-0280-9-05	15	CDA-15S (05)	39.14	33.32	24.59	
CL211-0212-9-05	25	CDB-25S (05)	53.04	47.04	38.3	
CL211-0282-4-05	37	CDC-37S (05)	69.32	63.5	54.76	

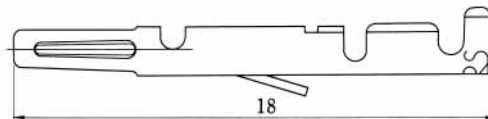
## Contact

### Male Contact



種類	HRS No	Part No.	Applicable wire	RoHS
Loose contact	CL211-0185-8	CD-PC-111	AWG#20~24	YES
	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	

### Female Contact

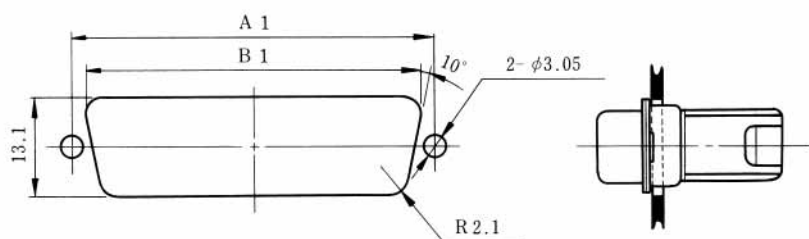


種類	HRS No	Part No.	Applicable wire	RoHS
Loose contact	CL211-0205-3	CD-SC-111	AWG#20~24	YES
	CL211-0206-6	CD-SC-121	AWG#24~28	
Chain contact	CL211-0203-8	CD-SC-211	AWG#20~24	
	CL211-0204-0	CD-SC-221	AWG#24~28	

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

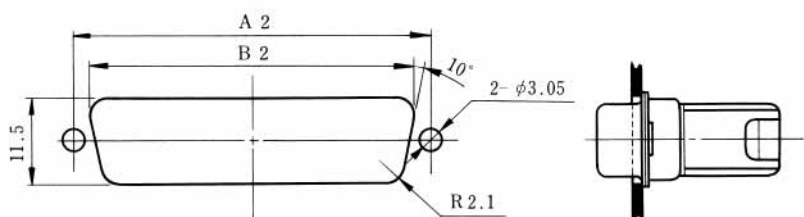
### Connector mounted on the face of the panel (front mounting)



Unit: mm

Shell size	A2	B2
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)

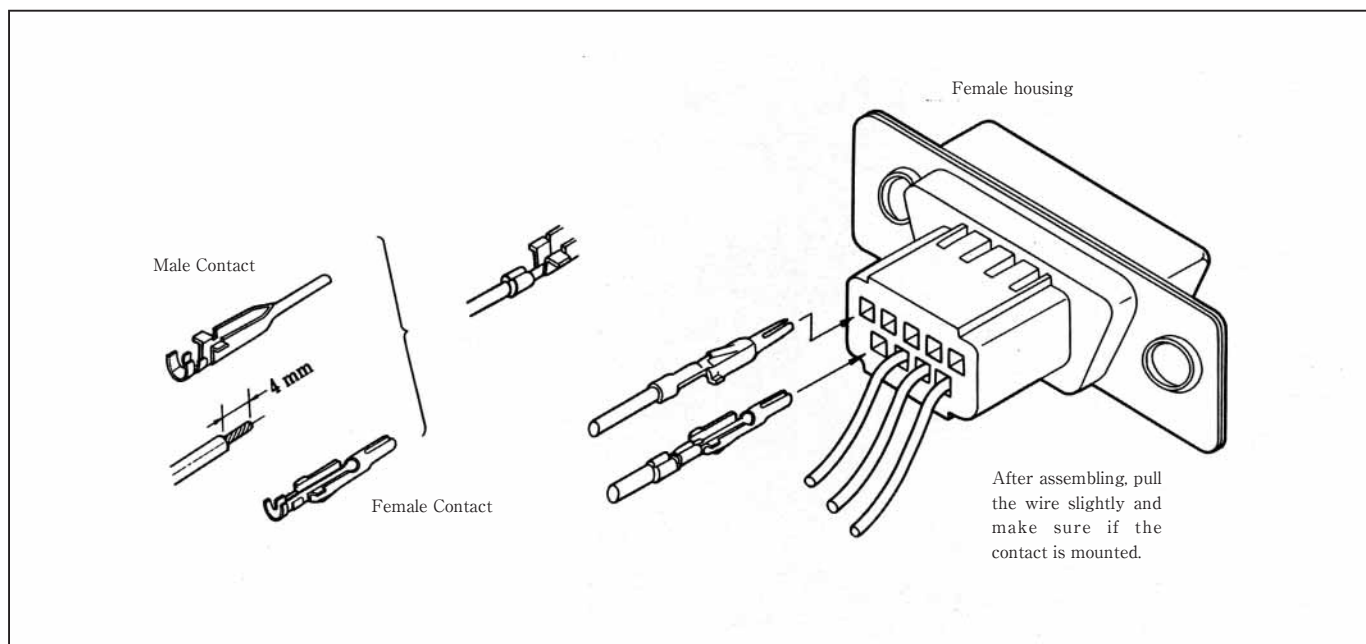


Unit: mm

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  $1.1 \times 0.5$  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.

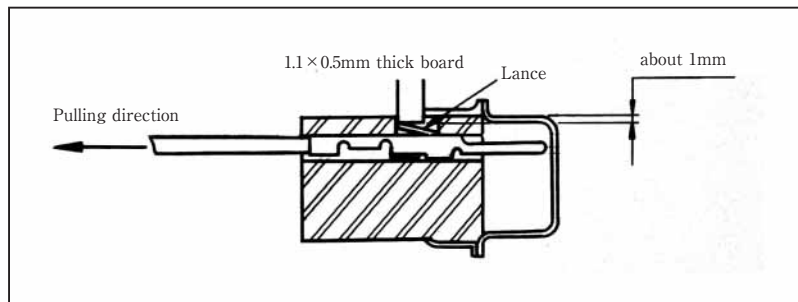


Fig. 1

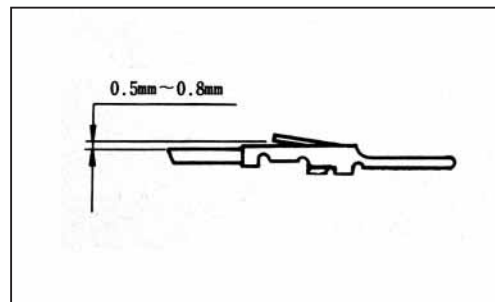
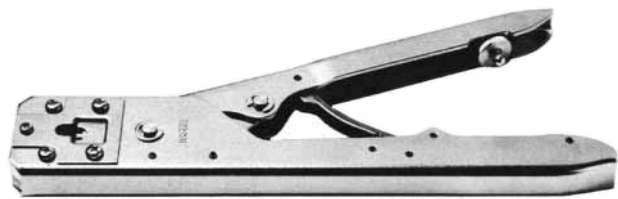


Fig. 2

Figure 1 illustrates a female contact. This also applies for a mate contact.

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

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