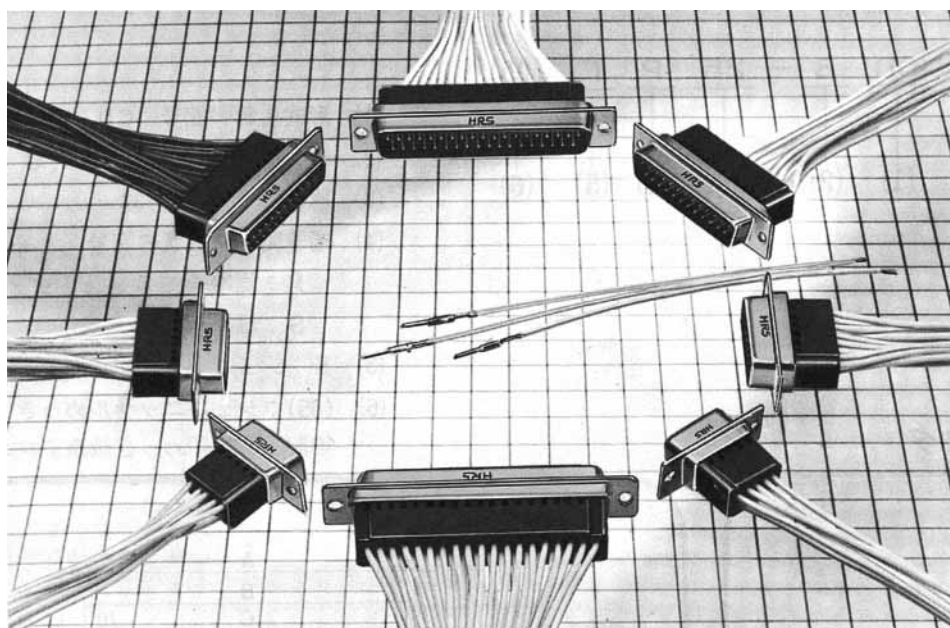


CD CRIMP TYPE CONNECTOR

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.

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

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Electrical and Environmental

Electrical and Environmental Characteristics	
Current capacity	3A
Rated voltage	350V AC
Insulation resistance	5000m Ω min. at 500V DC
Contact resistance	25m Ω 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

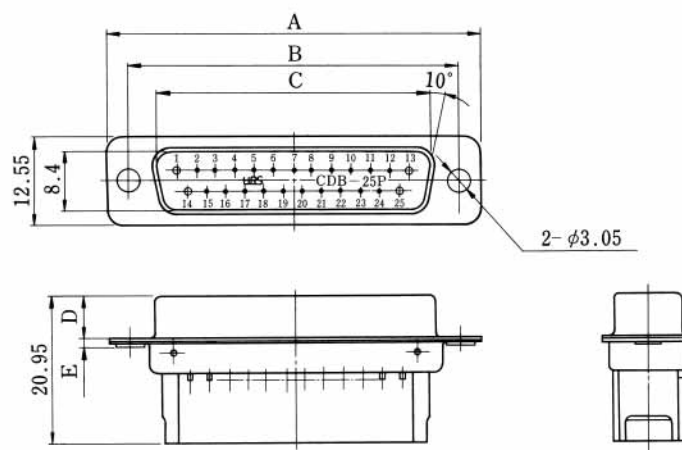
C D B — 25 P F (05)
 (1) (2) (3) (4) (5) (6)

- (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

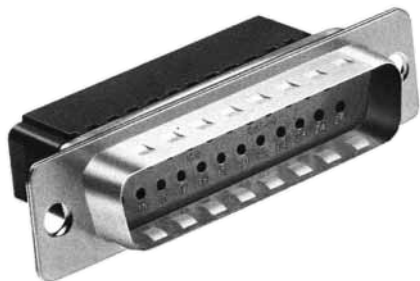


CDB-25P (05)

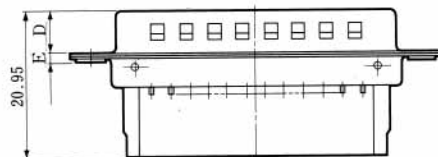
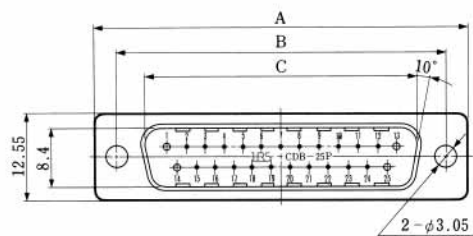


Unit: mm

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)



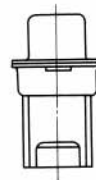
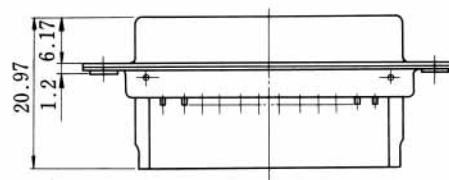
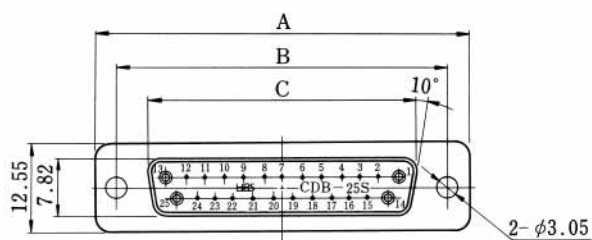
Unit: mm

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		1.4	

Female Connector



CDB-25S (05)

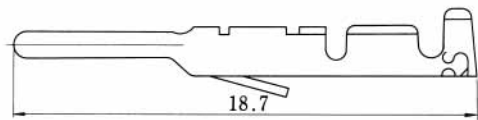


Unit: mm

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	

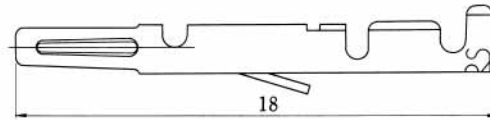
Contact

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

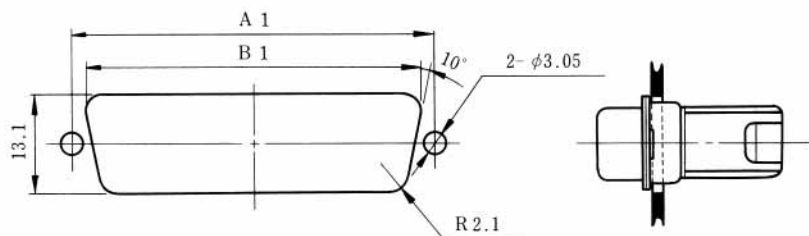


種類	HRS No	Part No.	Applicable wire	RoHS
Loose contact	CL211-0205-3	CD-SC-111	AWG#20~24	YES
	CL211-0206-6	CD-SC-121	AWG#24~28	
Chain contact	CL211-0203-8	CD-SC-211	AWG#20~24	
	CL211-0204-0	CD-SC-221	AWG#24~28	

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

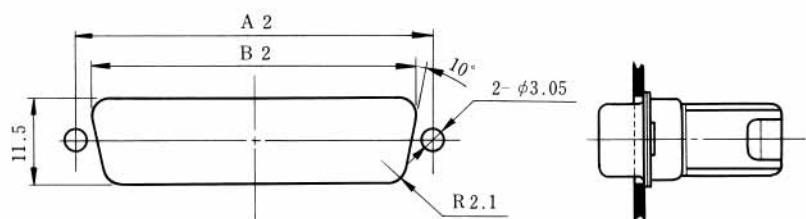
Connector mounted on the face of the panel (front mounting)



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)

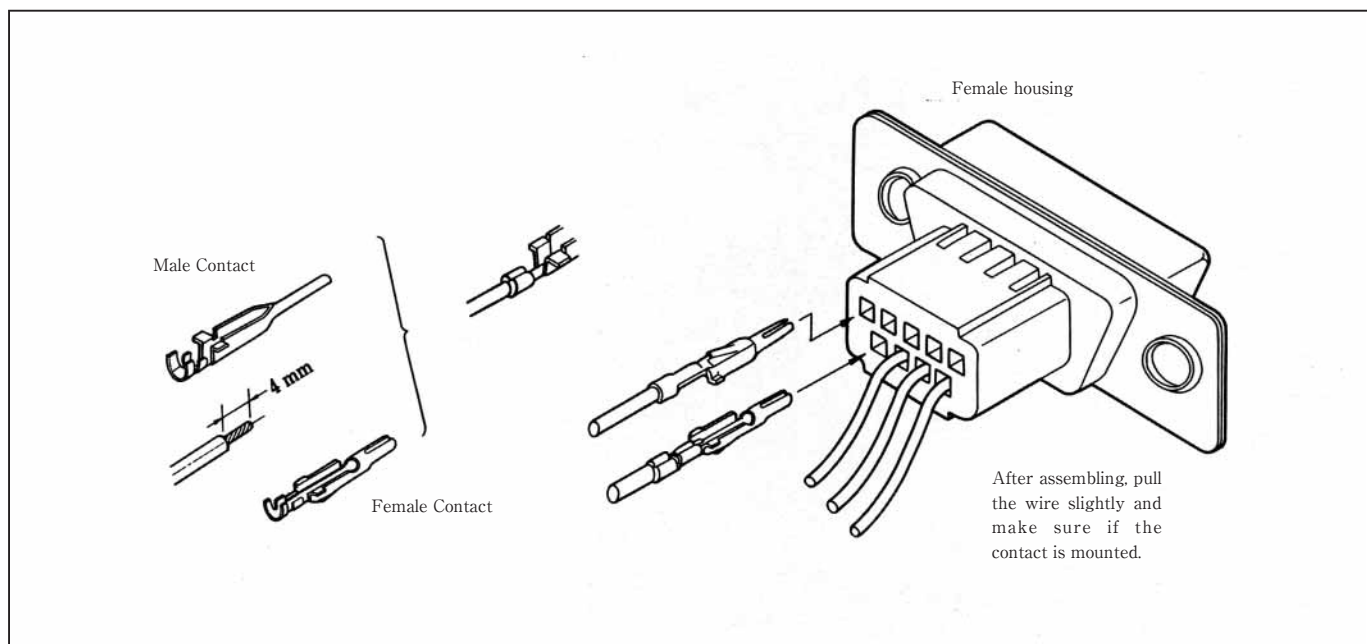


Unit: mm

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 1.1×0.5 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.

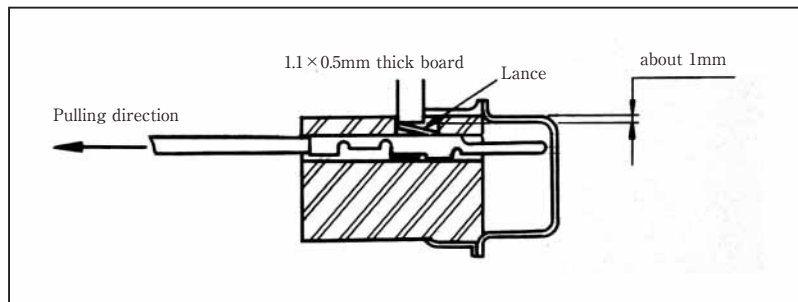


Fig. 1

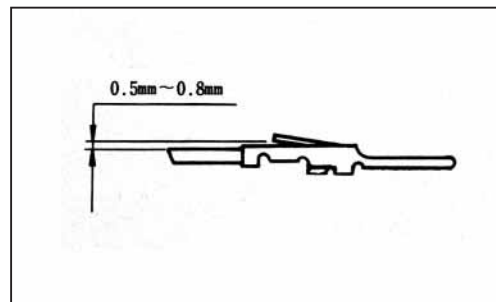


Fig. 2

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

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.: ϕ 1.5- ϕ 1.9)
		CD-SC-111	
CL250-0013-5	TC-CD-121	CD-PC-121	AWG28-24 (Coating O.D.: ϕ 1.2- ϕ 1.5)
		CD-SC-121	

Auto Crimp Tool



Crimping machine

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

Applicator

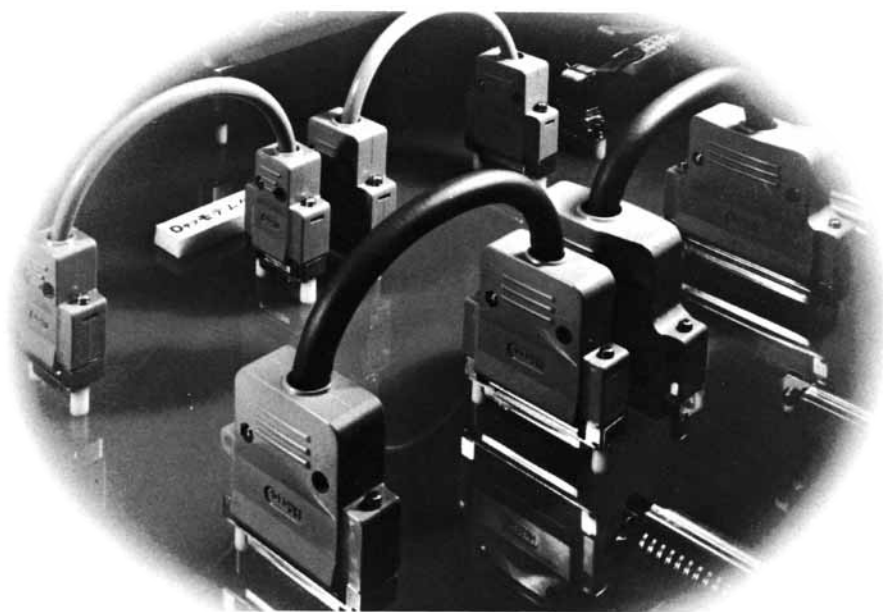
HRS No	Part No.	Applicable wire
CL901-2517-7	AP105-CD-1	CD- PC-211 SC-211
CL901-2518-0	AP105-CD-2	CD- PC-221 SC-221

CTF SERIES PLASTIC D SUBMINIATURE SHELL (ACCESSORIES)

General

HIROSE CTF series plastic D subminiature shells offer the highest quality of mechanical design and appearance. Available to fit 9, 15, 25, and 37 position

connectors and most competitors products. LN mounts allow for design flexibility.



Features

- (1) Standard screw type locking mechanism provides a strong and secure lock.
- (2) ABS resin molding material offers light weight, sturdy construction.
- (3) Easy to assemble and service because the case is split at the center of the cable inlet and few screws are used.
- (4) Two types of locking devices are available, rectangular and hexagonal, to meet different panel mounting complies.
- (5) The 25-contact model complies with the the modern plug case specified in JIS-C-6361.
- (6) Can easily incorporate solderling (HD) and crimping.

Application

Modems in communications equipment such as computers, peripherals and terminal equipment, control

equipment, measuring instruments, and export equipment.

Materials

Part	Material	Finish
Plug case	ABS resin	25PB 6/2 (color)
Locking device	Steel or zinc alloy die casting	Nickel plating

Ordering Informations

Plug case

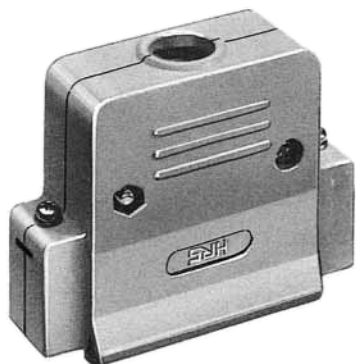
<u>HD</u>	<u>B</u>	—	<u>CT</u>	<u>F</u>	<u>※₁</u>	<u>※₂</u>
(1)	(2)		(3)	(4)	(5)	(8)

Locking device

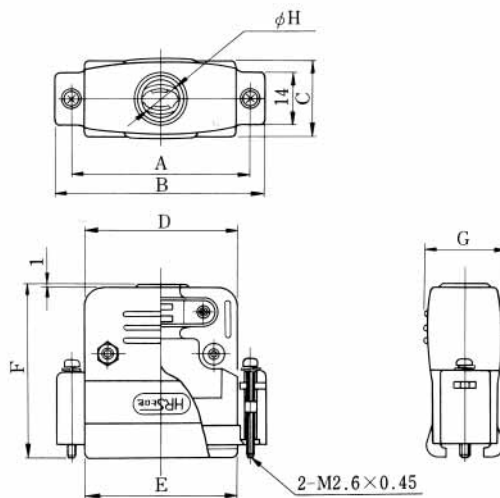
<u>HD</u>	—	<u>LN</u>	<u>A</u>	<u>※₂</u>
(1)		(6)	(7)	(8)

- (1) Connector series
- (2) Connector size: E (9 contacts), A (15 contacts), B (25 contacts), C (37 contacts)
Note: Not available for 50pos. cover.
- (3) Type of plug case
CT: Plug case with a vertical cable inlet opening
- (4) Serial sign for series
F: Plug case made of plastic
- (5) Locking screws
No sign: To be locked with a screwdriver
1: To be locked by hand
- (6) Locking device
LN: screw type locking device
- (7) Type of locking device
Provided with a sequence of upper-case alphabe-tic charactors.
No sign: Rectangular
A: Hexagonal
- (8) Type of screw
Provided with a sequence of Arabic numerls.
No sign: M2.6
(4-40): inch

Dataphone shell (To be locked with a screwdriver)



HDB-CTF (50)



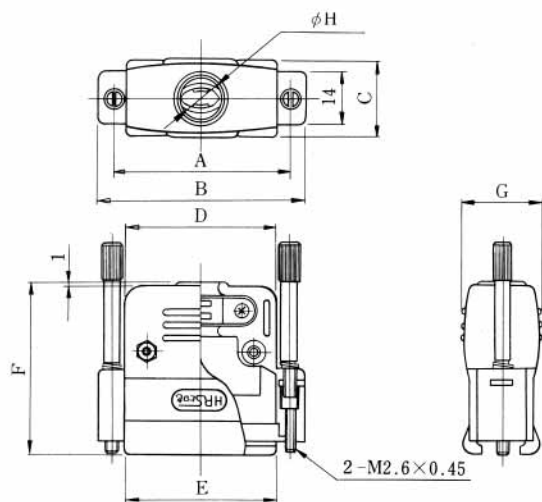
Unit: mm

HRS No	Noof pin	Part No.	A	B	C	D	E	F	G	H	RoHS
CL211-0159-8-50	9	HDE-CTF (50)	24.99	33.2	18	19.3	19.2	40.2	19.6	7	YES
CL211-0160-7-50	15	HDA-CTF (50)	33.32	41.2	18	27.2	27.2	43.2	19.6	9	
CL211-0139-0-50	25	HDB-CTF (50)	47.04	55	20	40	40	46	20.8	10	
CL211-0161-0-50	37	HDC-CTF (50)	63.5	72.2	20	50.2	57	51.2	24	12	

Dataphone Shell (To be locked by hand)



HDB-CTF1 (50)

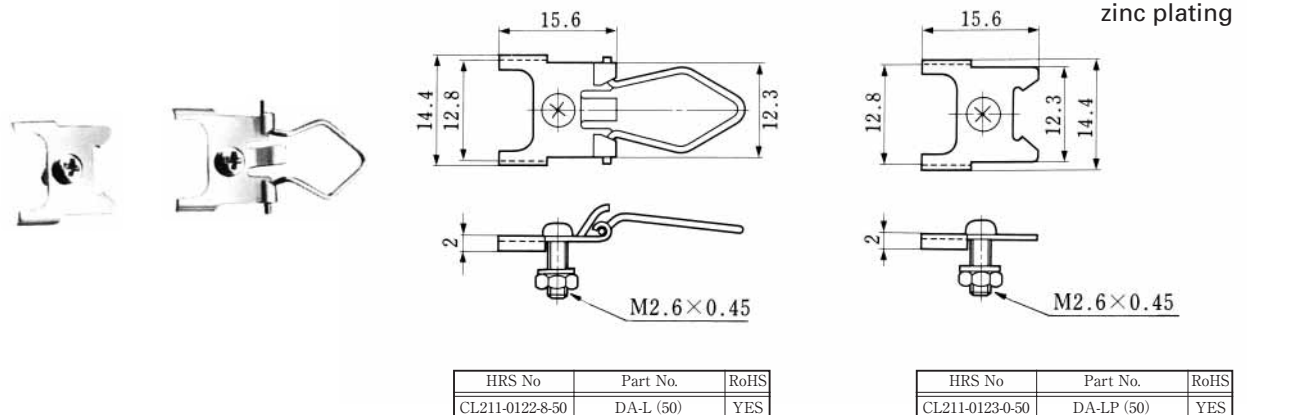


Unit: mm

HRS No	Noof pin	Part No.	A	B	C	D	E	F	G	H	RoHS
CL211-0168-9-50	9	HDE-CTF1 (50)	24.99	33.2	18	19.2	19.2	40.2	19.6	7	YES
CL211-0350-2-50	15	HDA-CTF1 (50)	33.32	41.2	18	27.2	27.2	43.2	19.6	9	
CL211-0166-3-50	25	HDB-CTF1 (50)	47.04	55	20	40	40	46	20.8	10	
CL211-0328-3-50	37	HDC-CTF1 (50)	63.5	72.2	20	50.2	57	51.2	24	12	

SM Series (D SUB) Accessory

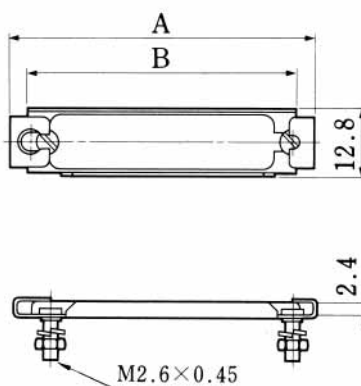
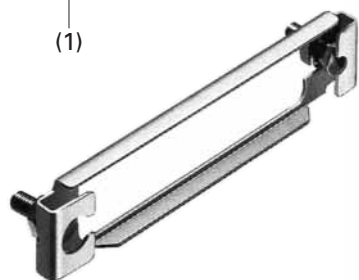
Spring lock



Spring lock

D※-PLA (50)

(1)



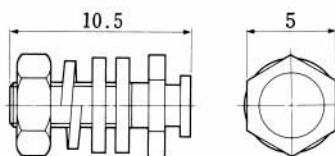
Material
Body: Stainless steel
Screws: Steel
Finish
Screws: Nickel plating

- (1) Connector size: E (9contacts)
A (15contacts)
B (25contacts)
C (37contacts)

Unit: mm

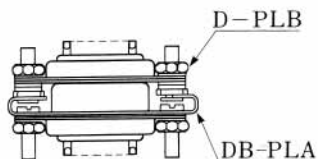
HRS No	Part No.	A	B	No of pin	RoHS
CL211-0679-8-50	DE-PLA (50)	35.37	28.51	9	YES
CL211-0680-7-50	DA-PLA (50)	43.7	36.84	15	
CL211-0681-0-50	DB-PLA (50)	57.42	50.56	25	
CL211-0682-2-50	DC-PLA (50)	73.88	67.02	37	

D-PLA (05)



Material: Steel
Body
Finish: Nickel plating
Screws

- Notes (1) Minimum ordering quantity is one package, which contains two units.
(2) Applicable for any size of our connectors.



Setup View

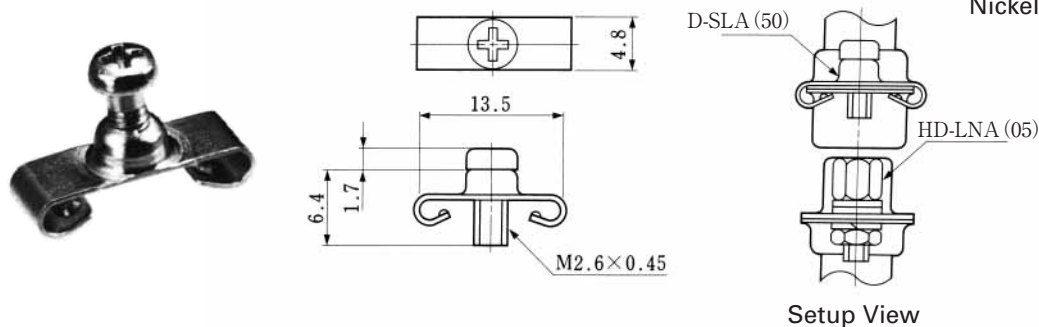
HRS No	Part No.	RoHS
CL211-0732-9-05	D-PLB (05)	YES

SM Series (D SUB) Accessory

Screw lock (for HD-LNA)

Note: Minimum ordering quantity is one package, which contains two units.

Material
Body: Steel
Finish
Nickel plating



HRS No	Part No.	RoHS
CL211-0307-3-50	D-SLA (50)	YES

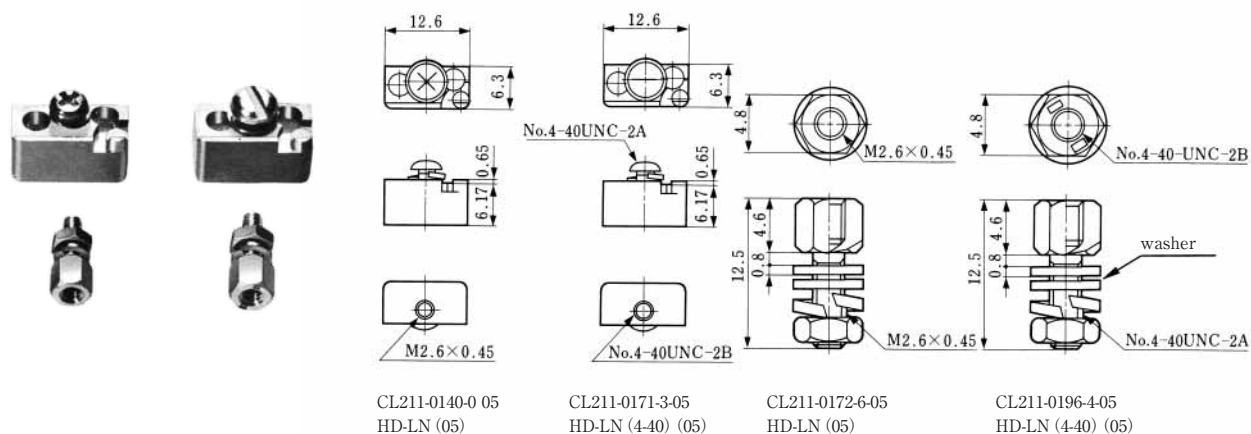
Before mounting the D-SLA, loosen the screw slightly

Note (1) Applicable for 9 to 37 contacts.

(2) Minimum ordering quantity is one package which contains two units.

Locking device

No. of washers	Applicable panel thickness
0	1.6-2.0mm
1	0.8-1.2mm
2	0-0.4mm



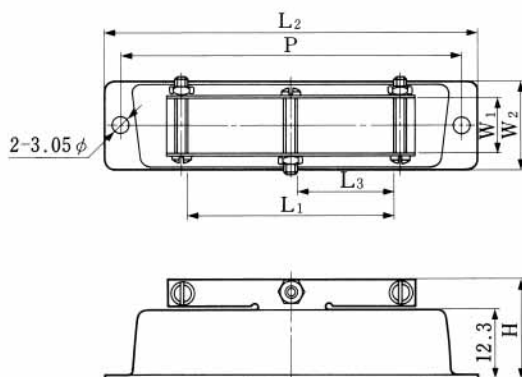
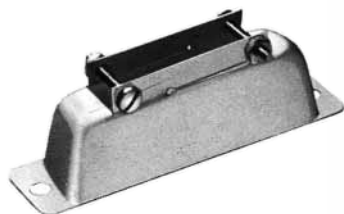
Unit: mm

HRS No	Part No.	RoHS	Applicable panel thickness	No. of washers	Finish
CL211-0140-0 05	HD-LN (05)	YES	1.2mm or less		Nickel plating
CL211-0171-3 05	HD-LN (4-40) (05)				
CL211-0140-0 08	HD-LN (08)		1.2-1.6mm		
CL211-0171-3 08	HD-LN (4-40) (08)				Adjust no. of washer
CL211-0172-6 05	HD-LNA (05)		1.6-2.0mm	0	
CL211-0196-4 05	HD-LNA (4-40) (05)		0.8-1.2mm	1	
			0-0.4mm	2	

Material
Steel or zinc alloy
Finish
Nickel plating

SM Series (D SUB) Accessory

Clamp

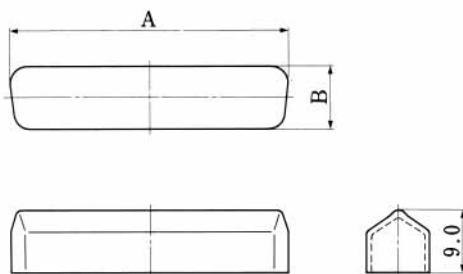


Material
Steel
Finish
Nickel plating

Unit: mm

HRS No	Part No.	L ₁	L ₂	L ₃	P	W ₁	W ₂	H (abt.)	RoHS
CL211-0018-6-50	HDE-C (50)	7.3	30.6	—	24.99	7.5	12.7	16.3	YES
CL211-0005-4-50	HDA-C (50)	8.0	38.9	—	33.32	7.5	12.7	16.3	
CL211-0011-7-50	HDB-C (50)	20.2	52.8	—	47.04	7.5	12.7	16.3	
CL211-0059-3-50	HDC-C (50)	37.0	69.1	17.5	63.5	7.5	12.7	16.3	
CL211-0006-7-50	HDD-C (50)	37.0	66.7	17.5	61.11	9.9	15.5	17.6	

Dust cap

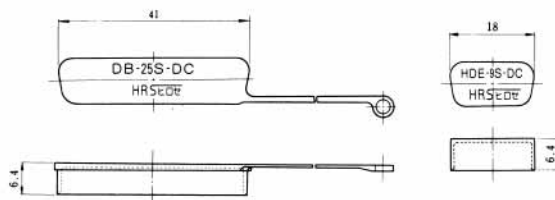


Material
Vinyl chloride (UL94V-2)
Finish
Color: Light blue

	HRS No	No. of pin	Part No.	A	B	RoHS
For male connector	CL211-0777-7	9	DE-9P-DC1	18.7	10.2	YES
	CL211-0778-0	15	DA-15P-DC1	27.0	10.2	
	CL211-0779-2	25	DB-25P-DC1	41.0	10.4	
	CL211-0780-1	37	DC-37P-DC1	57.7	10.6	
	CL211-0781-4	50	DD-50P-DC1	55.0	13.3	

	HRS No	No. of pin	Part No.	A	B	RoHS
For female connector	CL211-0782-7	9	DE-9S-DC1	17.4	8.8	YES
	CL211-0783-0	15	DA-15S-DC1	25.6	8.8	
	CL211-0784-2	25	DB-25S-DC1	39.3	8.8	
	CL211-0785-5	37	DC-37S-DC1	55.8	8.8	
	CL211-0786-8	50	DD-50S-DC1	53.4	11.6	

Note: Dust cap for male connector cannot be used for the connector with locking device (LN)



Material
Polyethylene resin
Finish
Color: Natural

HRS No	Part No.	RoHS
CL211-0162-2	DB-25S-DC	YES

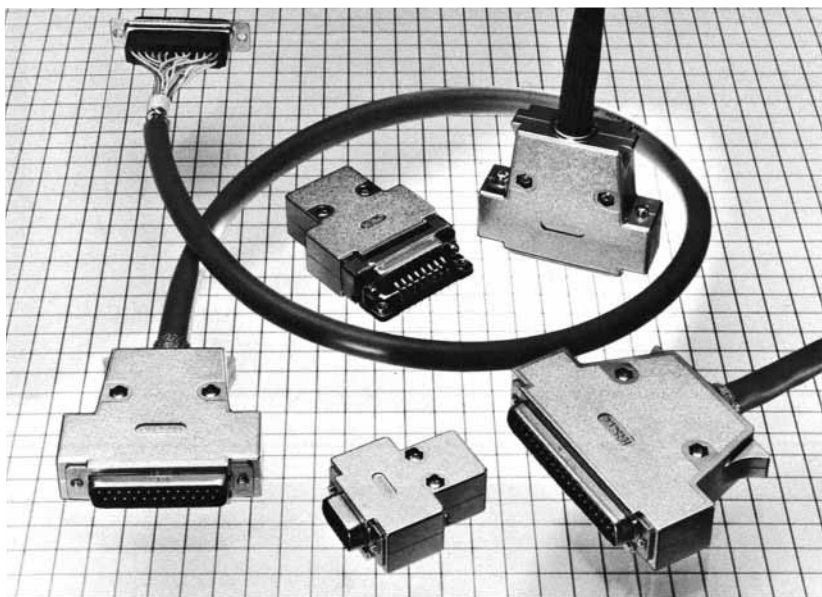
HRS No	Part No.	RoHS
CL211-0130-6	HDE-9S-DC	YES

CTH SERIES METALIZED PLASTIC “D” SUBMINIATURE SHELL

General

The HIROSE "CTH" plug cases are made of plated plastic for achieve high shielding effectiveness. 9, 15, 25 and 37-contact models are available. Suitable for

protecting the interfaces between units from electro-magnetic interference.



Features

- (1) Standard screw type locking mechanism provides a strong and secure lock.
- (2) Plated ABS resin enable shell to be lightweight and strong with excellent shielding characteristics (ABS resin UL94HB/plating UL746C)
- (3) Enhanced shielding effectiveness by clamping the cable shielding part with two types of clamps sandwiched between the plug cases.
- (4) The clamp has a screw to ground the drain wire. Can easily in corporate soldering (HD), ribbon cable type (FD) and crimping (CD).

Applications

Computers, peripherals and terminals, control equipment, and measuring instruments.

Material and Finish

Parts	Materials	Finish
Plug Case	ABS	Chrome plated over nickel plated

Ordering Informations

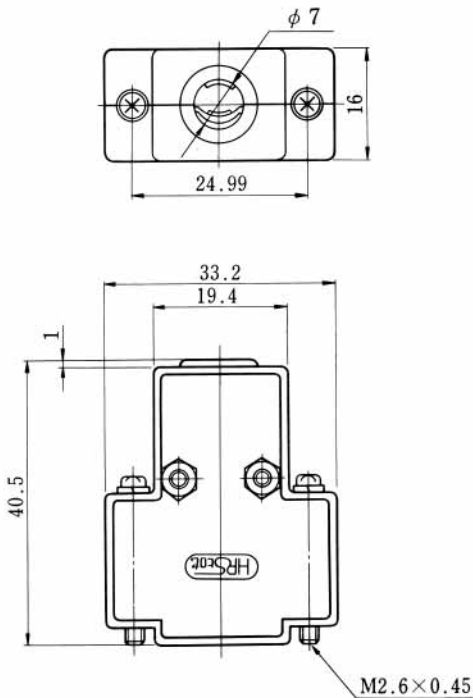
Plug Case

H D B — C T H 1 (4-40) (10)
 (1) (2) (3) (4) (5) (6)

- (1) Series Name
- (2) Connector size: E (9 contacts), A (15 contacts), B (25 contacts), C (37 contacts)
Note: Not available for 50pos. cover.
- (3) Type of plug case
CT: With vertical cable inlet opening
- (4) Serial sign for series
H: Plug case made of plated plastic
- (5) No sign: Lock screw to be driven with screwdriver
1: Hand-driven lock screw
- (6) No sign: M2.6
(4-40): Inch



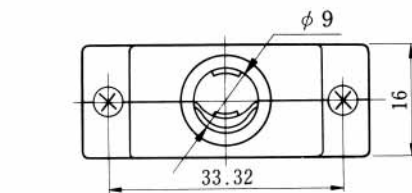
HDE-CTH (10)



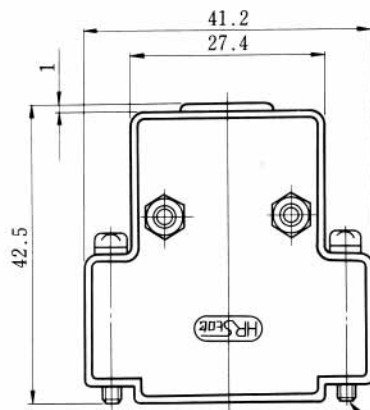
HRS No	Part No.	RoHS
CL211-0276-1-10	HDE-CTH (10)	YES
CL211-0309-9-10	HDE-CTH (4-40) (10)	
CL211-0621-8-10	HDE-CTH1 (10)	
CL211-0865-2-10	HDE-CTH1 (4-40) (10)	



HDA-CTH (10)



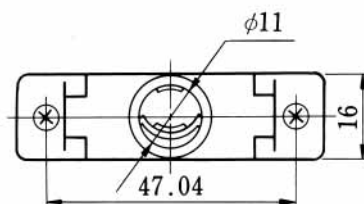
HRS No	Part No.	RoHS
CL211-0277-4-10	HDA-CTH (10)	YES
CL211-0346-5-10	HDA-CTH (4-40) (10)	
CL211-0622-0-10	HDA-CTH1 (10)	
CL211-0882-1-10	HDA-CTH1 (4-40) (10)	



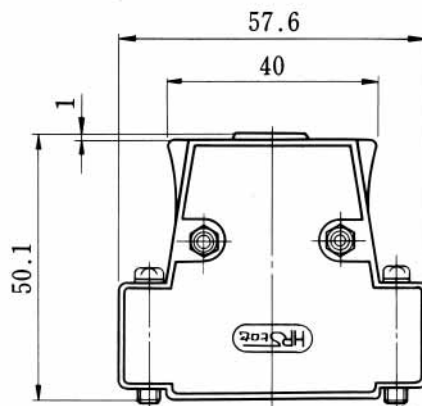
M2.6×0.45



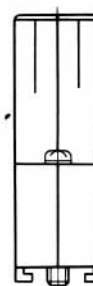
HDB-CTH (10)



HRS No	Part No.	RoHS
CL211-0278-7-10	HDB-CTH (10)	YES
CL211-0347-8-10	HDB-CTH (4-40) (10)	
CL211-0306-0-10	HDB-CTH1 (10)	
CL211-0532-0-10	HDB-CTH1 (4-40) (10)	

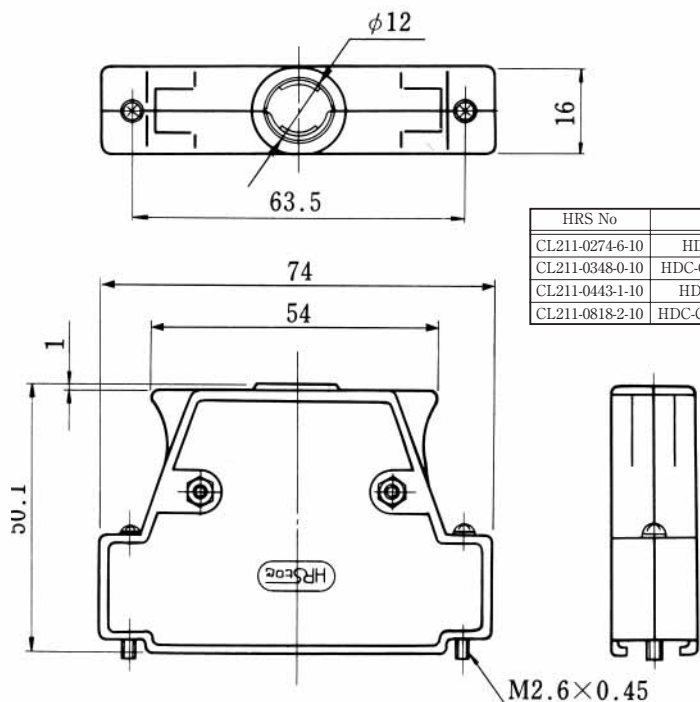


M2.6×0.45





HDC-CTH (10)



HRS No	Part No.	RoHS
CL211-0274-6-10	HDC-CTH (10)	YES
CL211-0348-0-10	HDC-CTH (4-40) (10)	
CL211-0443-1-10	HDC-CTH1 (10)	
CL211-0818-2-10	HDC-CTH1 (4-40) (10)	

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