

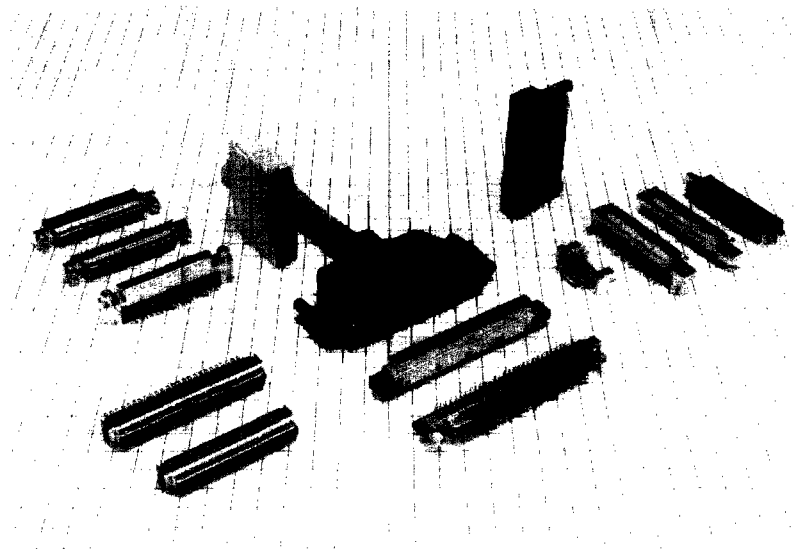
DXM SERIES

DXM (1.27MM PITCH) SERIES HIGH-DENSITY I/O CONNECTOR

Scope

DXM series high-density I/O connectors with bellow contacts are perfect for tomorrow's miniaturized electronic devices. This new 1.27mm (0.050") interconnect design ensures positive locking, effortless coupling, terminal protection and EMI reduction in a miniaturized and rugged package. DXM series offer you one of the

most varied and complete lines of High-Density connectors in the world, i.e. IDC and Solder for the plug and right angle dip, straight dip, IDC and SMT for the receptacle. Available in 14, 20, 26, 36, 50, 68, 80, 100 and 110 way.



Features

1. 1.27mm (0.050") contact spacing conserves valuable board space and permits ultra-high density designs.
2. Bellow contacts create smooth and precise mating and unmating.
3. Unique shell design assures first make/last break grounding and overall noise protection.
4. IDC termination allows quick and low cost termination to AWG #28 wires.
5. Backshell and receptacle shell are made of die-cast zinc alloy or stainless steel to reduce the penetration of external EMI noise.
6. Ferrite added to DX Right Angle Dip Type for EMI Protection is available.
7. Overmold backshell provided for ESD protection is available in 'One-Touch' locking and 'Screw' locking.
8. Termination methods are available in IDC, Soldering, Right Angle Dip, Straight Dip and SMT.

Applications

Office Automation, Measurement, Communication and Control Equipment, Factory Automation, Home Automation and other commercial applications needing high density interconnections.

Specifications

Items	Standard value
Current capacity	0.5A
Rated voltage	AC125V
Insulation resistance	250M Ω or more at DC100V
Contact resistance	35m Ω or less at DC100mA
Withstanding voltage	AC 300Vr.m.s. for 1 minute

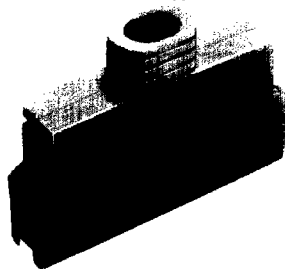
DXM SERIES

■ DXM SERIES VARIATIONS

● One-touch lock type (14, 20, 26, 36, 50, 68 pins)

Plug cover

1.1 Over mold cover type

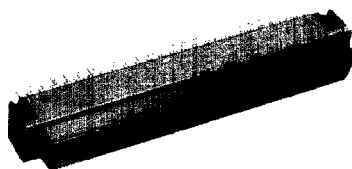


Plug

2.1 IDC type



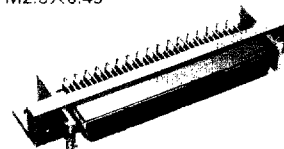
2.2 Solder type (20 pins)



Receptacle

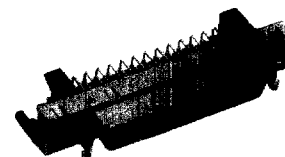
3.1 Right angle dip

Board screw on type
M2.6X0.45



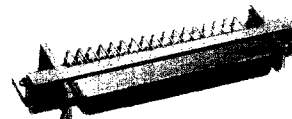
3.2 Right angle dip

Board lock pin harpoon type

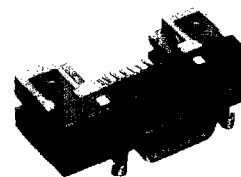


3.3 Right angle dip

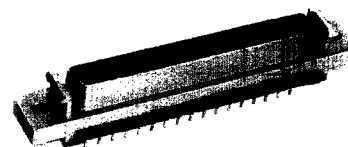
Board lock pin round type
(round type)



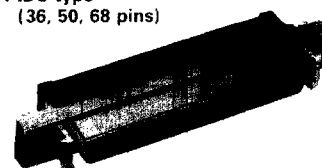
4.1 SMT type (14, 26 pins)



5.1 Straight dip type



6.1 IDC type
(36, 50, 68 pins)

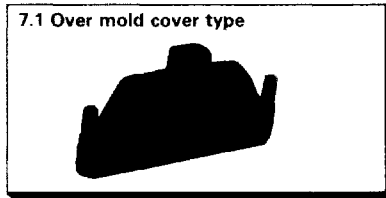


DXM SERIES

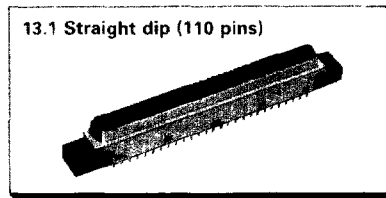
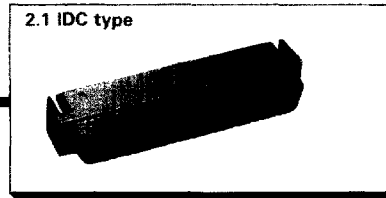
● Screw lock type (68, 80, 100, 110 pins)

Overmold cover type (100, 110 pins)

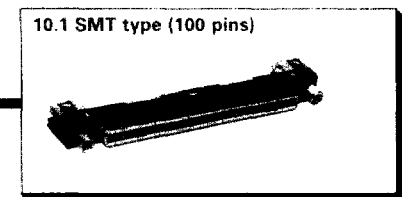
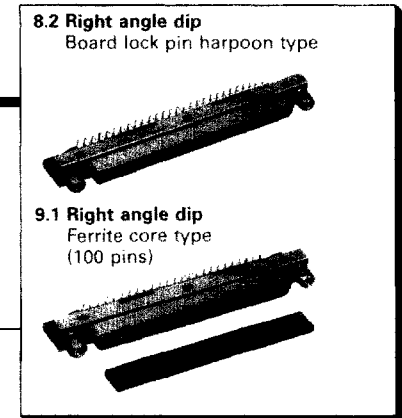
Plug cover



Plug

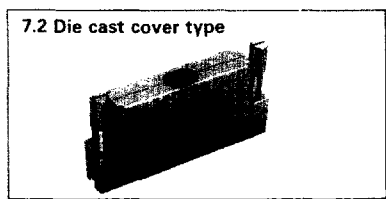


Receptacle

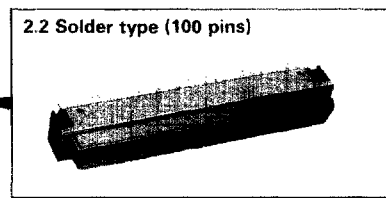
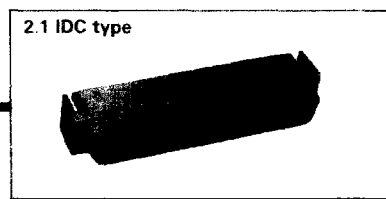


Die cast cover (68, 80, 100 pins)

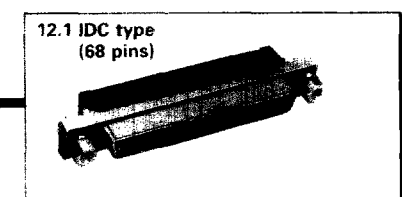
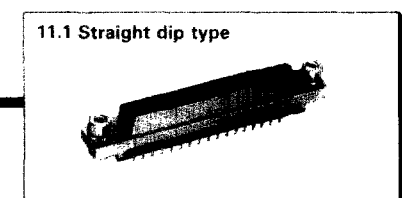
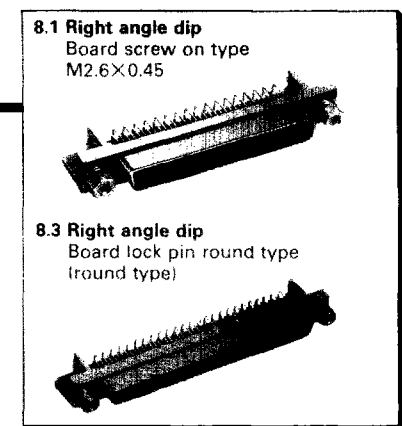
Plug cover



Plug



Receptacle

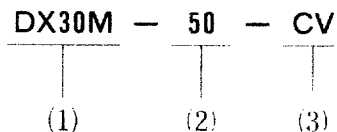


Note: There is no interchangeability between the locks of the die cast cover type and overmold type.

DXM SERIES

1. ONE TOUCH LOCK PLUG COVER

■ ORDERING INFORMATION

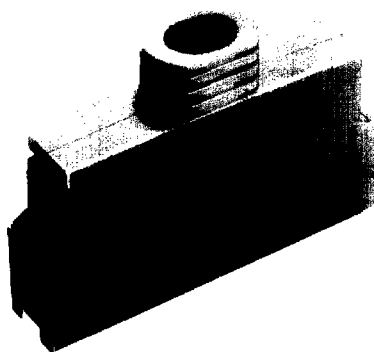


- 1) Series number: DX30M
- 2) No. of pins: 14, 20, 26, 36, 50, 68
- 3) Cover case type
CV: Over mould cover case

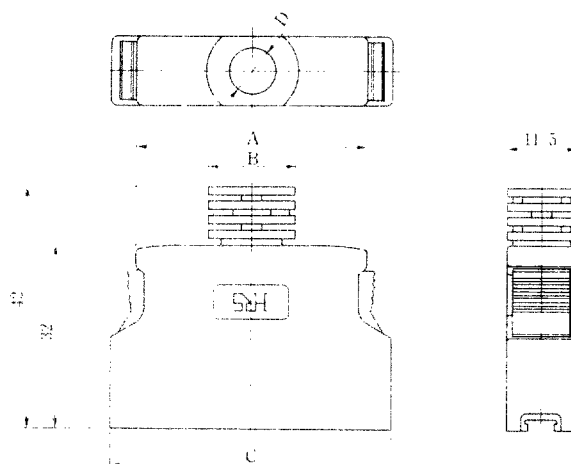
■ MATERIAL TREATMENT

Item	Material	Treatment
Overmold cover case	Synthetic resin, Stainless	Light beige

1.1 Overmold cover



CL230-5056-0
DX30M-68-CV



Unit (mm)

HRS No.	No. of pin	Parts No.	A	B	C	D	Applicable plug unit	
							IDC type	Solder type
CL230-5051-7	14	DX30M-14-CV	17.09	11.50	25.79	φ 6.3	DX30AM-14P	—
CL230-5052-0	20	DX30M-20-CV	20.90	14.50	29.60	φ 6.7	DX30AM-20P	DX40M-20P
CL230-5053-2	26	DX30M-26-CV	24.80	15.00	33.50	φ 7.1	DX30AM-26P	—
CL230-5054-5	36	DX30M-36-CV	31.06	15.75	39.80	φ 8.1	DX30AM-36P	—
CL230-5055-8	50	DX30M-50-CV	39.95	16.00	48.70	φ 8.7	DX30AM-50P	—
CL230-5056-0	68	DX30M-68-CV	51.38	17.57	60.13	8.7×10.27	DX30AM-68P	—

◆ GENERAL LIST OF ENGAGEMENT COMBINATIONS

Cover case and plug unit	Receptacle			
	Right angle type	SMT type	Straight type	IDC type
DX30M-14-CV+DX30AM-14P	DX10M-14S(E), DX10GM-14SE	DX10MS-14ST2	DX20M-14S	—
DX30M-20-CV+DX30AM-20P	DX10M-20S(E), DX10GM-20SE	—	DX20M-20S	—
DX30M-26-CV+DX30AM-26P	DX10M-26S(E), DX10GM-26SE	DX10MS-26ST2	DX20M-26S	—
DX30M-36-CV+DX30AM-36P	DX10M-36S(E), DX10GM-36SE	—	DX20M-36S	DX33AM-36S
DX30M-50-CV+DX30AM-50P	DX10M-50S(E), DX10GM-50SE	—	DX20M-50S	DX33AM-50S
DX30M-68-CV+DX30AM-68P	DX10M-68S(E), DX10GM-68SE	—	DX20M-68S	DX33AM-68S
DX30M-20-CV+DX40M-20P	DX10M-20S(E), DX10GM-20SE	—	DX20M-20S	—

DXM SERIES

2. PLUG UNIT (Interchangeable one touch-screw lock type)

■ ORDERING INFORMATION

DX 30 A M — 50 P

(1) (2) (3) (1) (4) (5)

Note: This connector can be used for one touch lock cover and screw lock cover.

- 1) Series No.: DX--M
- 2) Wiring style 30: Discrete cable IDC (for fine wire use)
40: Solder type
- 3) Applicable wire A: AWG # 28
(Discrete cable press-fit type)
- 4) No. of pins: 14, 20, 26, 36, 50, 68, 80, 100, 110
- 5) Mating type P: Plug

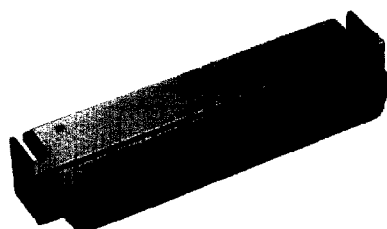
■ MATERIAL TREATMENT

Item	Material	Remarks
shell	Zinc alloy die-cast	Nickel plating
Insulator	PBT	Black (UL94V-0)
Male terminal	Copper alloy	Selective gold plating

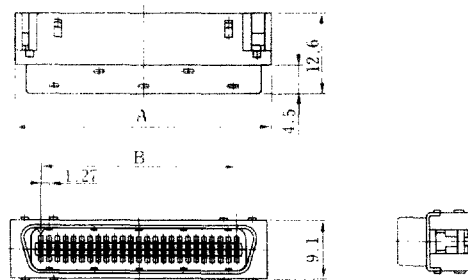
◆ APPLICABLE

	Interface cable		
	Discrete cable fine wire type		Solder type
Conductor size	AWG # 28		
Conductor composition	7/0.127		
o.d. of insulator	0.58	0.62	0.58
Cable style	UL20276 and UL2789	UL2990	UL20276 and UL2789

2.1 Discrete cable IDC type (for fine wire)



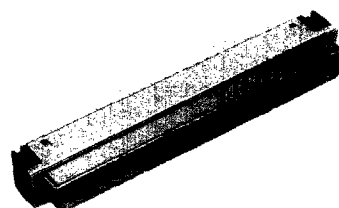
CL230-5029-8
DX30AM-68P



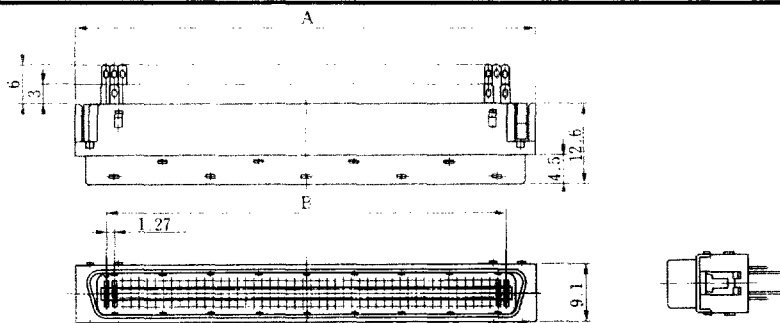
Unit (mm)

HRS No.	No. of Pin	Parts No.	A	B	Applicable cover case	
					One touch lock type	Screw lock type
CL230-5024-4	14	DX30AM-14P	17.09	7.62	DX30M-14-CV	—
CL230-5025-7	20	DX30AM-20P	20.90	11.43	DX30M-20-CV	—
CL230-5026-0	26	DX30AM-26P	24.71	15.24	DX30M-26-CV	—
CL230-5027-2	36	DX30AM-36P	31.06	21.59	DX30M-36-CV	—
CL230-5028-5	50	DX30AM-50P	39.95	30.48	DX30M-50-CV	—
CL230-5029-8	68	DX30AM-68P	51.38	41.96	DX30M-68-CV	DX30M-68-CV2
CL230-5030-7	80	DX30AM-80P	59.00	49.53	—	DX30M-80-CV2
CL230-5031-0	100	DX30AM-100P	71.70	62.23	—	DX30M-100-CV1 · 2
CL230-5064-9	110	DX30AM-110P	78.05	68.53	—	DX30M-110-CV1

2.2 Solder type



CL230-5039-1
DX40M-100P



Unit: mm

HRS No.	No. of pins	Product No.	A	B	Applicable cover case	
					One touch lock type	Screw lock type
CL230-5033-5	20	DX40M-20P	20.90	11.43	DX30M-20-CV	—
CL230-5039-1	100	DX40M-100P	71.70	62.23	—	※DX30M-100-CV2

Cannot be used for ※DX30M-100-CV1.

DXM SERIES

3. ONE TOUCH LOCK, RECEPTACLE RIGHT ANGLE TYPE

■ ORDERING INFORMATION

DX 10 ※ M — 50 S E

(1) (2) (3) (1) (4) (5) (6)

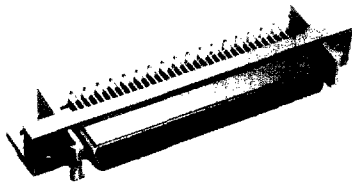
- 1) Series No.: DX--M
- 2) Wiring style 10: Right angle type
- 3) Lock style (one touch lock type)
 - Blank : (Receptacle case material: zinc alloy die cast)
 - G : (Receptacle case material: steel)

- 4) No. of pins: 14, 20, 26, 36, 50, 68
- 5) Mating type S: Receptacle
- 6) Board-fitting type
 - Blank : Screw on type
 - E : Lock pin type

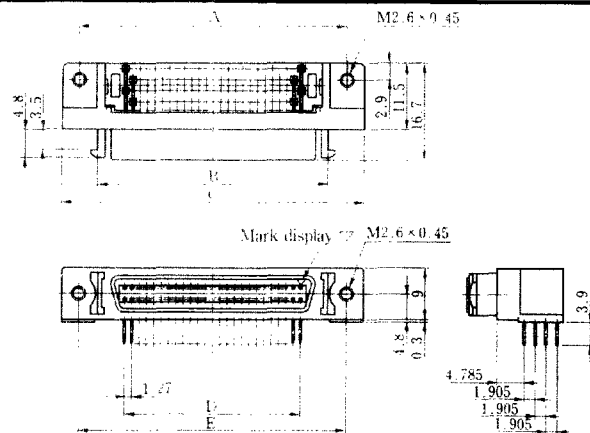
■ MATERIAL TREATMENT

Item	Material	Remarks
Receptacle case	Zinc alloy die cast or steel	Nickel plating
Shell	Steel	Nickel plating
Insulators	PBT	Black (UL94V-0)
Female terminal	Copper alloy	Selective gold plating

3.1 Board screw on type M2.6×0.45

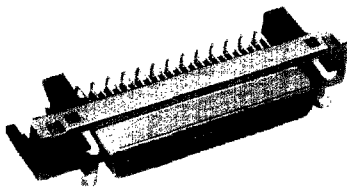


CL230-5005-0
DX10M-68S

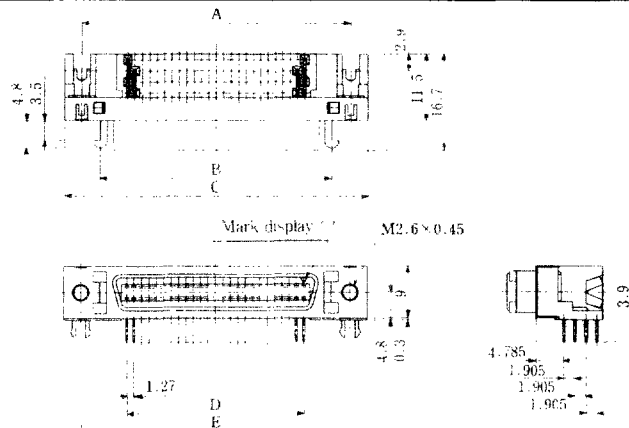


							Unit (mm)	
HRS No.	No. of Pin	Parts No.	A	B	C	D	E	
CL230-5000-6	14	DX10M-14S	23.64	17.14	29.54	7.62	23.64	
CL230-5001-9	20	DX10M-20S	27.45	20.95	33.35	11.43	27.45	
CL230-5002-1	26	DX10M-26S	31.26	24.76	37.16	15.24	31.26	
CL230-5003-4	36	DX10M-36S	37.61	31.11	43.51	21.59	37.61	
CL230-5004-7	50	DX10M-50S	46.50	40.00	52.40	30.48	46.50	
CL230-5005-0	68	DX10M-68S	57.93	51.43	63.83	41.91	57.93	

3.2 Board lock pin harpoon type



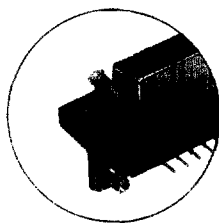
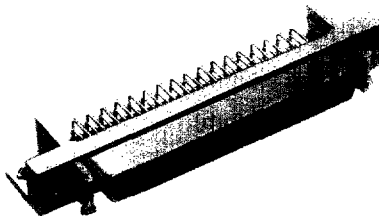
CL230-5133-0
DX10GM-50SE



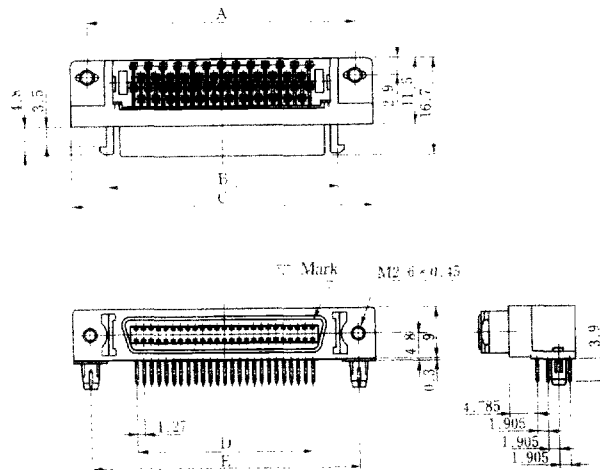
							Unit (mm)	
HRS No.	No. of Pin	Parts No.	A	B	C	D	E	
CL230-5129-2	14	DX10GM-14SE	23.64	17.14	29.54	7.62	23.64	
CL230-5130-1	20	DX10GM-20SE	27.45	20.95	33.35	17.43	27.45	
CL230-5131-4	26	DX10GM-26SE	31.26	24.76	37.16	15.24	31.26	
CL230-5132-7	36	DX10GM-36SE	37.61	31.11	43.51	21.59	37.61	
CL230-5133-0	50	DX10GM-50SE	46.50	40.00	52.40	30.48	46.50	
CL230-5134-2	68	DX10GM-68SE	57.93	51.43	63.83	41.91	57.93	

DXM SERIES

3.3 Board lock pin round type

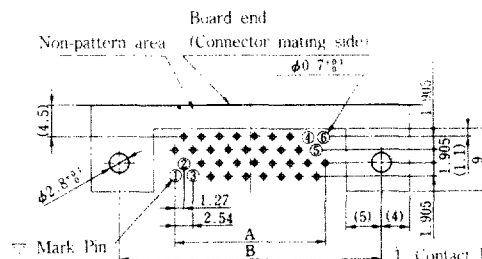


CL230-5071-4
DX10M-68SE



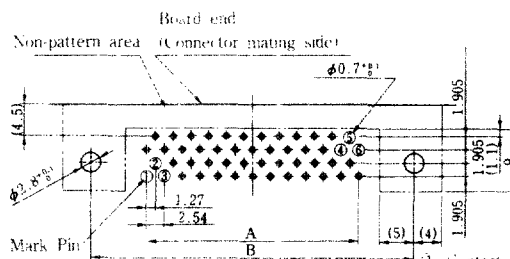
Unit (mm)						
HRS No.	No. of Pin	Parts No.	A	B	C	E
CL230-5107-0	14	DX10M-14SE	23.64	17.14	29.54	23.64
CL230-5067-7	20	DX10M-20SE	27.45	20.95	33.35	27.45
CL230-5068-0	26	DX10M-26SE	31.26	24.76	37.16	31.26
CL230-5069-2	36	DX10M-36SE	37.61	31.11	43.51	37.61
CL230-5070-1	50	DX10M-50SE	46.50	40.00	52.40	46.50
CL230-5071-4	68	DX10M-68SE	57.93	51.43	63.83	57.93

PCB LAYOUT (Recommended board thickness: 1.6mm)



(20, 36, 68 pins)

- 1 Contact No.1
 - 2 Contact No.2
 - 3 Contact No.3
 - 4 Contact No.(N-2)
 - 5 Contact No.(N-1)
 - 6 Contact No.(N)
- *N:Numbers of Pin

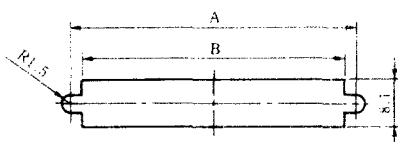


(14, 26, 50 pins)

- 1 Contact No.1
 - 2 Contact No.2
 - 3 Contact No.3
 - 4 Contact No.(N-2)
 - 5 Contact No.(N-1)
 - 6 Contact No.(N)
- *N:Numbers of Pin

Unit (mm)		
No. of Pin	A	B
14	7.62	23.64
20	11.43	27.45
26	15.24	31.26
36	21.59	37.61
50	30.48	46.50
68	41.91	57.93

PANEL-FITTING DIMENSIONAL DRAWING (Recommended panel thickness: max. 2mm)



Unit (mm)		
No. of Pin	A	B
14	23.64	19.99
20	27.45	23.80
26	31.26	27.60
36	37.61	33.90
50	46.50	42.80
68	57.93	54.23

DXM SERIES

4. ONE TOUCH LOCK, RECEPTACLE SMT TYPE

■ ORDERING INFORMATION

DX	10	※	M	S	—	14	S	T2
(1)	(2)	(3)	(1)	(4)		(5)	(6)	(7)

- 1) Series No.: DX--M
- 2) Connector style
10: Right angle type
- 3) Lock style
Blank: One touch lock type
- 4) Board mounting style
S: SMT type

5) No. of pins: 14, 26

6) Mating type

S: Receptacle

7) Board-thickness

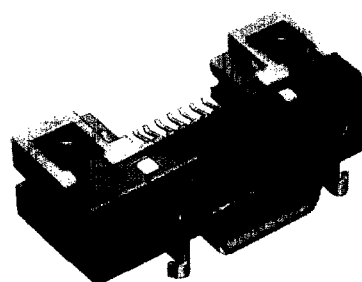
T2: SMT type (Board thickness 1.2mm)

T6: SMT type (Board thickness 1.6mm)

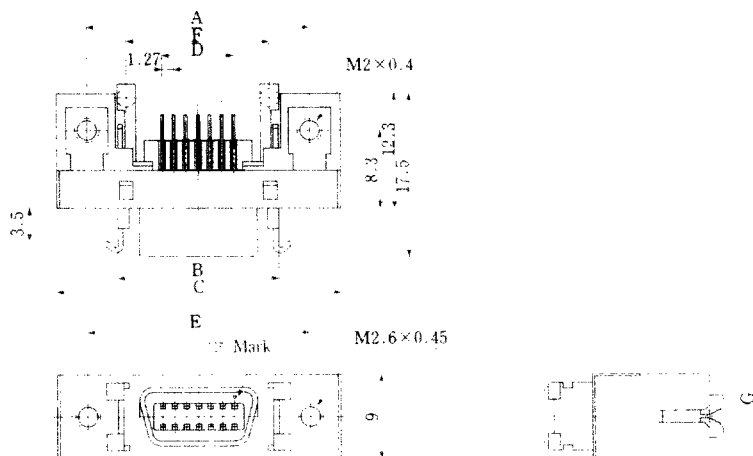
■ MATERIAL TREATMENT

Item	Material	Remarks
Receptacle case	Steel	Nickel plating
Insulators	PPS	Natural
Female terminal	Copper alloy	Selective gold plating

4.1 Receptacle SMT type

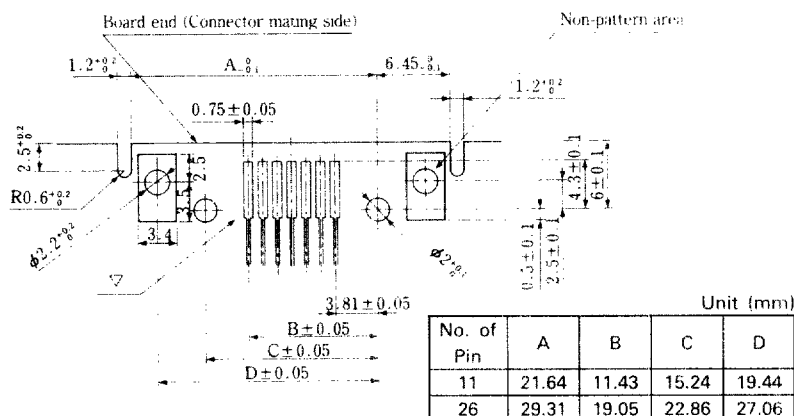


CL230-5125-1
DX10MS-14ST2

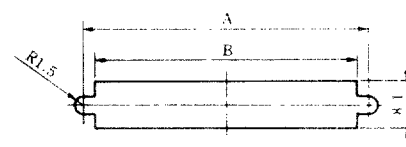


Unit (mm)								
HRS No.	No. of Pin	Parts No.	A	B	C	D	E	F
CL230-5125-1	14	DX10MS-14ST2	23.64	17.14	30.14	7.62	23.64	15.24
CL230-5121-0	26	DX10MS-26ST2	31.26	24.76	37.76	15.24	31.26	22.86
CL230-5122-3	26	DX10MS-26ST6	31.26	24.76	37.76	15.24	31.26	22.86

◆ PCB LAYOUT



◆ Panel fitting dimensional drawing (Recommended panel thickness: max. 2mm)

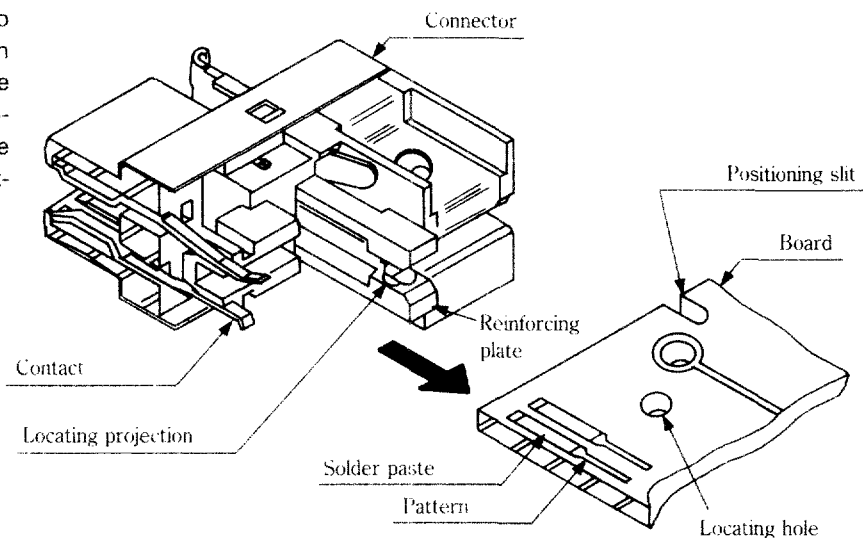


Unit (mm)		
No. of Pin	A	B
14	23.64	19.99
26	31.26	27.60

DXM SMT MOUNTING FUNCTIONAL DRAWING

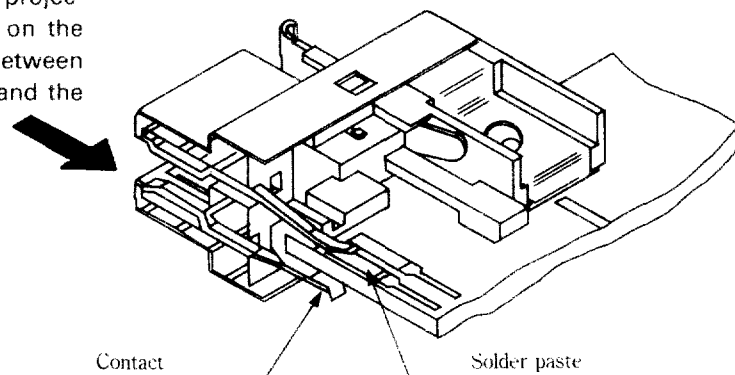
1

Insert the connector to the board and push in the reinforcing plate until the locating projection on the plate stops against the locating hole on the board.



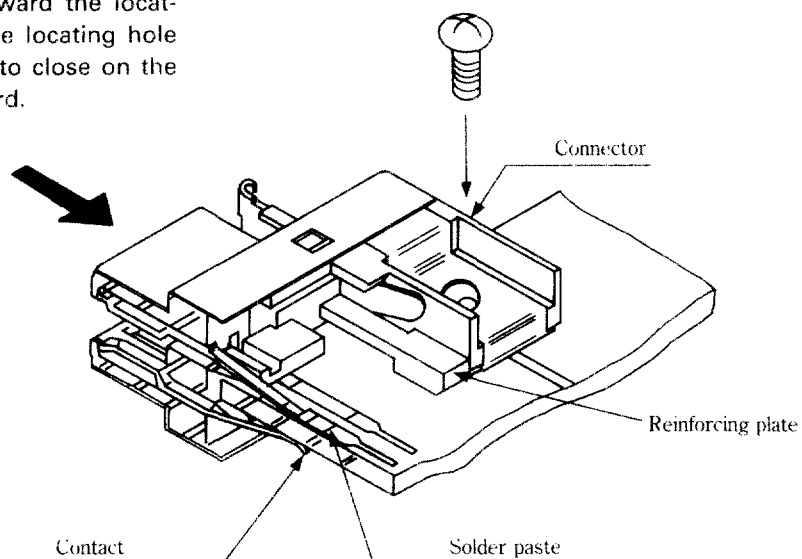
2

At the stage when the locating projection of the reinforcing place is on the board, there is a gap formed between the cream solder on the board and the contact.



3

By further pressing forward the locating projection enters the locating hole and allows the contact to close on the solder paste on the board.



DXM SERIES

5. ONE TOUCH LOCK, RECEPTACLE STRAIGHT TYPE

■ ORDERING INFORMATION

DX 20 ※ M — 50 S

(1) (2) (3) (1) (4) (5)

1) Series No.: DX--M

2) Connector style

20: Straight dip

3) Lock style

Blank: One touch lock type

4) No. of pins: 14, 20, 26, 36, 50, 68

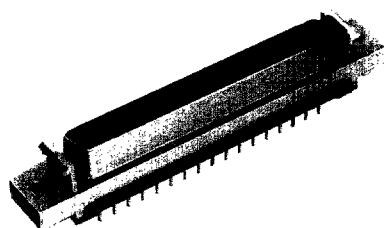
5) Mating type

S: Receptacle

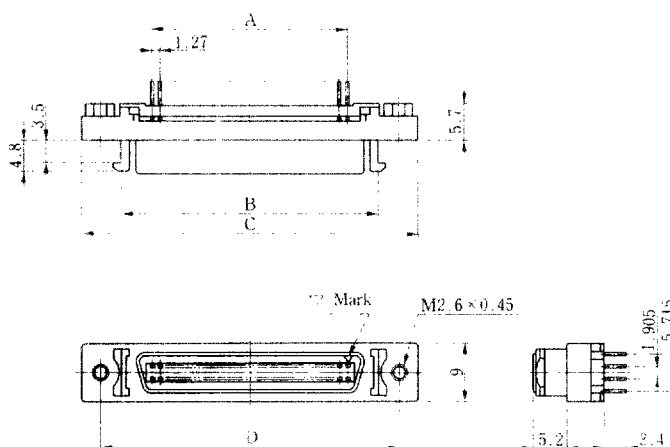
■ MATERIAL TREATMENT

Item	Material	Remarks
Receptacle case	Zinc alloy die cast	Nickel plating
Shell	Steel	Nickel plating
Insulators	PBT resin	Black
Female terminal	Copper alloy	Selective gold plating

5.1 Receptacle straight type



CL230-5017-9
DX20M-68S

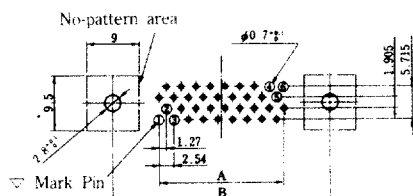


HRS No.	No. of Pin	Parts No.	A	B	C	D
CL230-5012-5	14	DX20M-14S	7.62	17.14	29.54	23.64
CL230-5013-8	20	DX20M-20S	11.43	20.95	33.35	27.45
CL230-5014-0	26	DX20M-26S	15.24	24.76	37.16	31.26
CL230-5015-3	36	DX20M-36S	21.59	31.11	43.51	37.61
CL230-5016-6	50	DX20M-50S	30.48	40.00	52.40	46.50
CL230-5017-9	68	DX20M-68S	41.91	51.43	63.83	57.93

Unit (mm)

◆ PCB LAYOUT

(Recommended board thickness: 1.6mm)



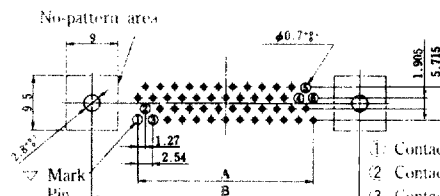
(20, 36, 68 pins)

No. of Pin	A	B
20	11.43	27.45
36	21.59	37.61
68	41.91	57.93

Unit (mm)

- 1 Contact No.1
- 2 Contact No.2
- 3 Contact No.3
- 4 Contact No.(N-2)
- 5 Contact No.(N-1)
- 6 Contact No.(N)

※N:Numbers of Pin



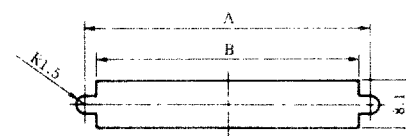
(14, 26, 50 pins)

No. of Pin	A	B
14	7.62	23.46
26	15.24	31.26
50	30.48	46.50

Unit (mm)

◆ PANEL-FITTING DIMENSIONAL DRAWING

(Recommended panel thickness: max. 2mm)



Unit (mm)

No. of Pin	A	B
14	23.46	19.99
20	27.45	23.8
26	31.26	27.6
36	37.61	33.9
50	46.50	42.8
68	57.93	54.23

- 1 Contact No.1
- 2 Contact No.2
- 3 Contact No.3
- 4 Contact No.(N-2)
- 5 Contact No.(N-1)
- 6 Contact No.(N)

※N:Numbers of Pin

DXM SERIES

6. ONE TOUCH LOCK RECEPTACLE FLAT RIBBON CABLE TYPE

■ ORDERING INFORMATION

DX 33 A M - 68 S

(1) (2) (3) (1) (4) (5)

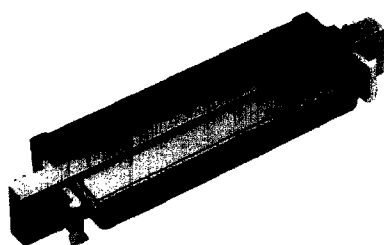
- 1) Series No.: DX--M
- 2) Connector style
33: Flat IDC type
(for ribbon cable use)
- 3) Applicable cable
A: AWG #28

- 4) No. of pins: 36, 50, 68
- 5) Mating type
S: Receptacle

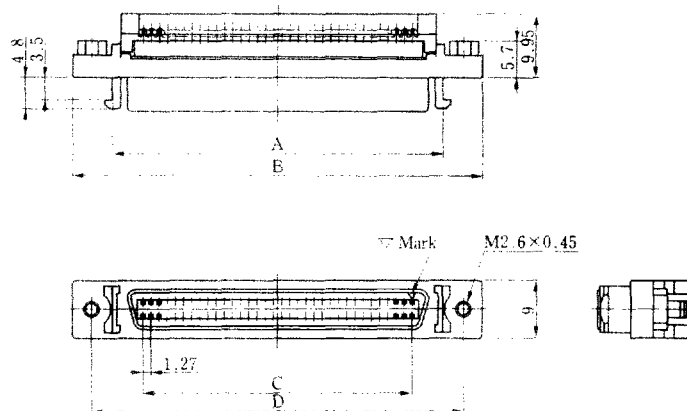
■ MATERIAL TREATMENT

Item	Material	Remarks
Receptacle case	Zinc alloy die cast	Nickel plating
Shell	Steel	Nickel plating
Insulators	PBT resin	Black
Female terminal	Copper alloy	Selective gold plating

6.1 Receptacle, flat ribbon cable type

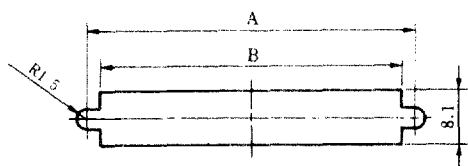


CL230-5062-3
DX33AM-68S



HRS No.	No. of Pin	Parts No.	A	B	C	D	Unit (mm)
CL230-5095-2	36	DX33AM-36S	31.11	43.54	21.59	37.61	
CL230-5092-4	50	DX33AM-50S	40.00	52.40	30.48	46.50	
CL230-5062-3	68	DX33AM-68S	51.43	63.83	41.91	57.93	

◆ PANEL-FITTING DIMENSIONAL DRAWING (Recommended panel thickness: Max. 2mm)



	Unit (mm)	
No. of Pin	A	B
36	37.61	33.90
50	46.50	42.80
68	57.93	54.23

DXM SERIES

7. SCREW LOCK TYPE, PLUG COVER

■ ORDERING INFORMATION

DX30M — 110 — CV1

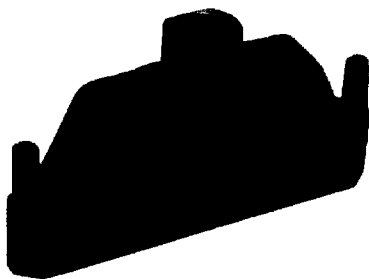
(1) (2) (3)

- 1) Series No.: DX30M
- 2) No. of pins: 68, 80, 100, 110
- 3) Cover case type
 - CV1: Overmold cover case
 - CV2: Die cast cover

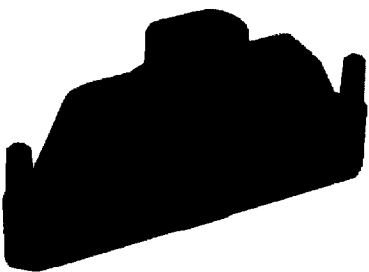
■ MATERIAL TREATMENT

Item	Material	Remarks
Overmold cover	Stainless steel, Synthetic resin	Dark grey
Die cast cover	Zinc alloy die cast	Silver coated

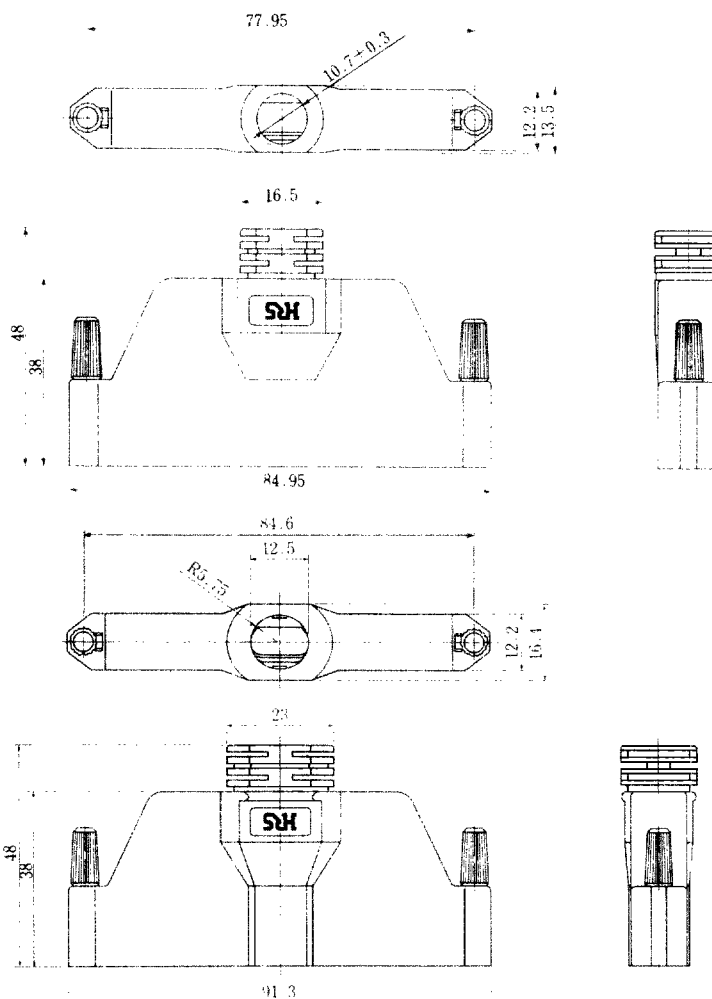
7.1 Overmold cover



CL230-5093-7
DX30M-100-CV1



CL230-5083-3
DX30M-110-CV1

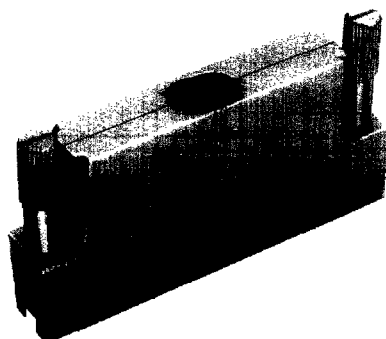


◆ LIST OF ENGAGEMENT COMBINATIONS

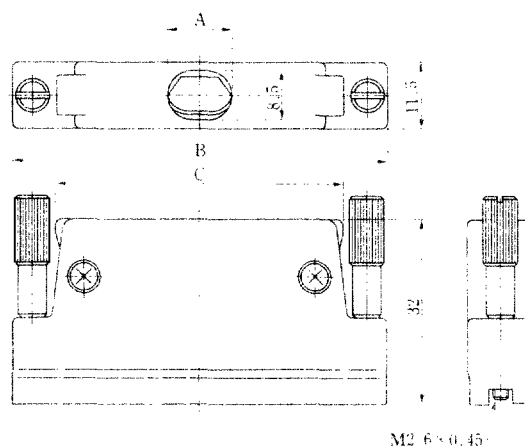
Cover case and plug unit	Receptacle			
	Right angle type	SMT type	Straight type	Ferrite core type
DX30M-100-CV1+DX30AM-100P	DX10AM-100SE2, DX10AM-100SE1	DX10AMS-100ST6	—	DX10AMF-100SE1
DX30M-110-CV1+DX30AM-110P	DX10AM-110SE2, DX10AM-110SE1	—	—	—

DXM SERIES

7.2 Die cast cover



CL230-5059-9
DX30M-68-CV2



Unit (mm)

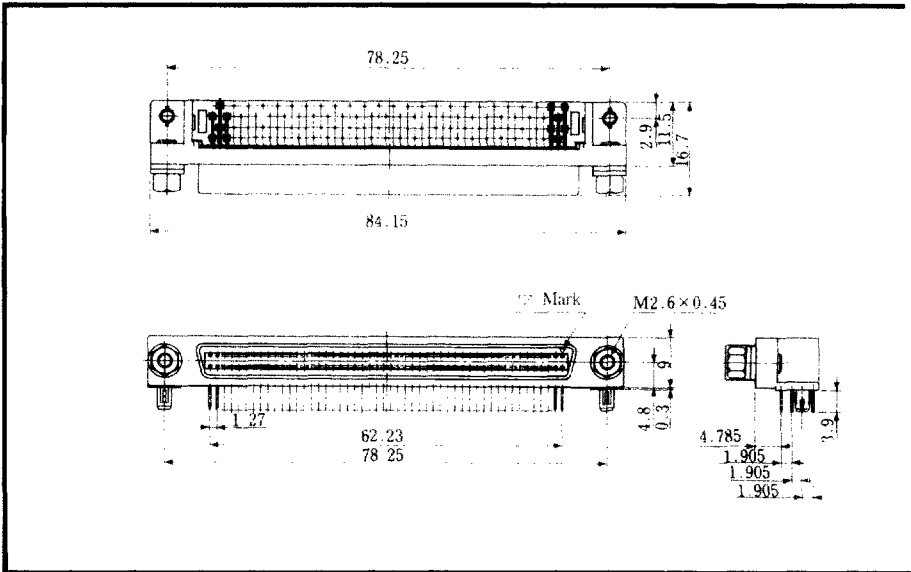
HRS No.	No. of pin	Parts No	A	B	C	Applicable plug unit	
						IDC type	Solder type
CL230-5059-9	68	DX30M-68-CV2	11.00	64.93	49.68	DX30AM-68P	---
CL230-5060-8	80	DX30M-80-CV2	12.50	72.55	57.30	DX30AM-80P	---
CL230-5061-0	100	DX30M-100-CV2	14.00	85.25	70.00	DX30AM-100P	DX40M-100P

◆ LIST OF ENGAGEMENT COMBINATIONS

Cover case and plug unit	Receptacle		
	Right angle type	Straight DIP type	Ribbon cable type
DX30M- 68-CV2+DX30AM- 68P	DX10BM- 68S	DX20BM- 68S	DX33M-68S-LNA
DX30M- 80-CV2+DX30AM- 80P	DX10BM- 80S	DX20BM- 80S	---
DX30M-100-CV2+DX30AM-100P	DX10BM-100S, DX10BM-100SE	DX20BM-100S	---
DX30M-100-CV2+DX40AM-100P	DX10BM-100S, DX10BM-100SE	DX20BM-100S	---

[REDACTED]

CL230-5076-8
DX10BM-100SE

[illegible]

Technical drawing of a pin showing dimensions A, B, and C. The pin has a diameter of 8.1 mm. The table below provides the dimensions for various pin types.

Unit (mm)				
No. of Pin	A	B	C	Remarks
68	57.93	54.23	R1.85	DX10BM-68S
80	65.55	61.85	R1.85	DX10BM-80S
100	78.25	74.55	R1.85	DX10BM-100SE
100	78.25	74.55	R1.5	DX10AM-100SE2 DX10BM-100SE1
110	84.5	80.8	R1.5	DX10AM-110SE2 DX10AM-110SE1

10. SCREW LOCK RECEPTACLE SMT TYPE

ORDERING INFORMATION

DX 10 A M S - 100 S T6

(1) (2) (3) (1) (4) (5) (6) (7)

- 1) Series No.: DX--M
- 2) Connector style
10: Right angle type
- 3) Lock style
A: Receptacle case material, Steel
- 4) Board mounting style
S: SMT type

- 5) No. of pins: 100
- 6) Mating type
S: Receptacle
- 7) Board-thickness
T6: Board thickness 1.6mm

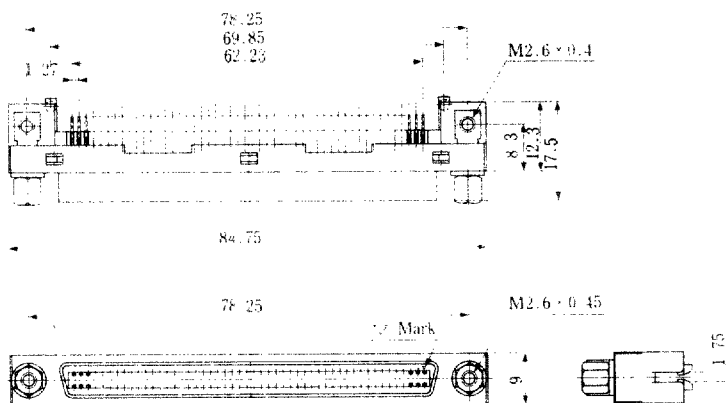
MATERIAL TREATMENT

Item	Material	Remarks
Receptacle case	Steel	Nickel plating
Insulator	PPS	Natural
Female terminal	Copper alloy	Selective gold plating

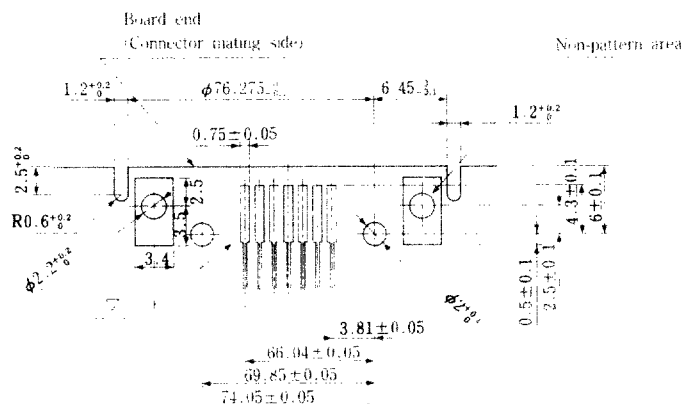
10.1 Receptacle SMT type



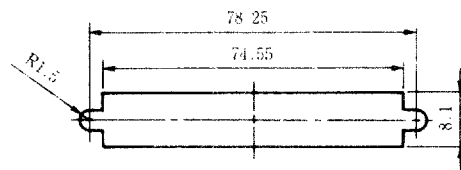
CL230-5126-4
DX10AMS-100ST6



PCB LAYOUT



PANEL-FITTING DIMENSIONAL DRAWING (Recommended panel thickness: max 2mm)



DXM SERIES

11. SCREW LOCK RECEPTACLE STRAIGHT TYPE

■ ORDERING INFORMATION

DX 20 B M — 68 S

(1) (2) (3) (1) (4) (5)

- 1) Series No.: DX--M
- 2) Connector style
20: Straight dip
- 3) Lock style
B: Screw lock type

4) No. of pins: 68, 80, 100

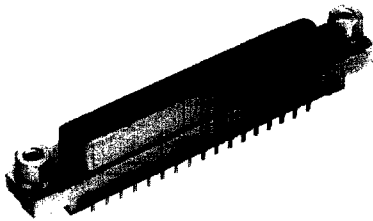
5) Mating type

S: Receptacle

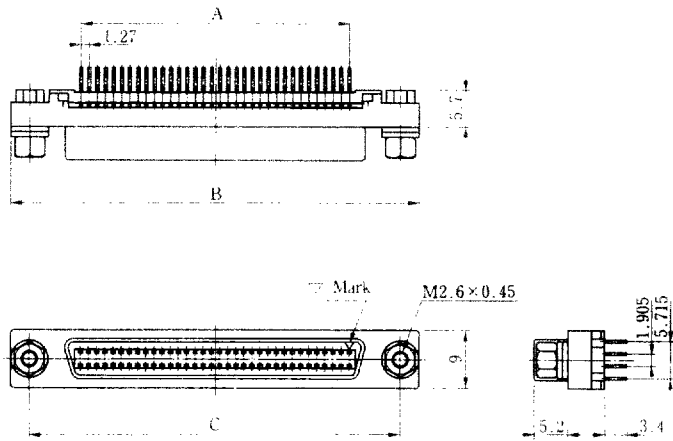
■ MATERIAL TREATMENT

Item	Material	Remarks
Receptacle case	Zinc alloy die cast	Nickel plating
Shell	Steel	Nickel plating
Insulator	PBT resin	Black (UL94V-0)
Female terminal	Copper alloy	Selective gold plating

11.1 Receptacle straight type



CL230-5020-3
DX20BM-68S

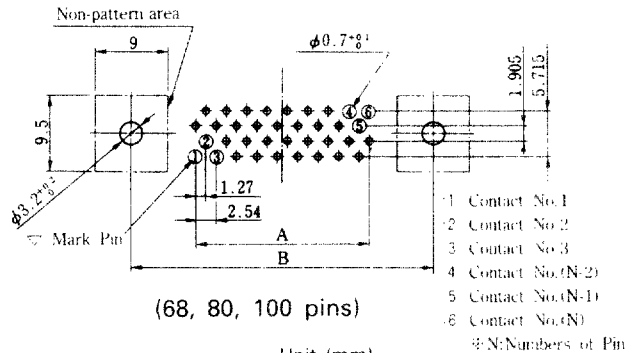


HRS No.	No. of Pin	Parts No.	A	B	C
CL230-5020-3	68	DX20BM-68S	41.91	63.83	57.93
CL230-5021-6	80	DX20BM-80S	49.53	71.45	65.55
CL230-5022-9	100	DX20BM-100S	62.23	84.15	78.25

Unit (mm)

◆ PCB LAYOUT

(Recommended board thickness: 1.6mm)



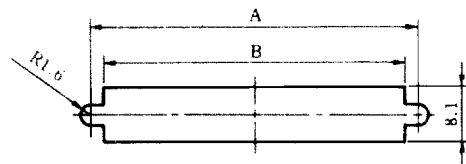
(68, 80, 100 pins)

No. of Pin	A	B
68	41.91	57.93
80	49.53	65.55
100	62.23	78.25

Unit (mm)

◆ PANEL-FITTING DIMENSIONAL DRAWING

(Recommended panel thickness: max 2mm)



Unit (mm)

No. of Pin	A	B
68	57.93	54.23
80	65.55	61.85
100	78.25	74.55

12. SCREW LOCK RECEPTACLE, FLAT RIBBON CABLE TYPE

■ ORDERING INFORMATION

DX 33 A M — 68 S LNA

(1)	(2)	(3)	(1)	(4)	(5)	(6)
-----	-----	-----	-----	-----	-----	-----

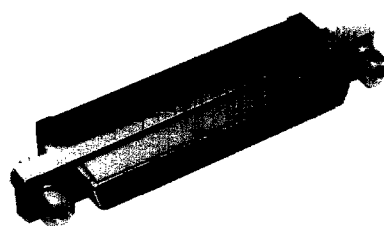
- 1) Series No.: DX--M
- 2) Connector style
33: Flat IDC type (for ribbon cable)
- 3) Applicable wire
A: AWG #28
- 4) No. of pins: 68

- 5) Mating type
S: Receptacle
- 6) Lock style
LNA: Screw lock type

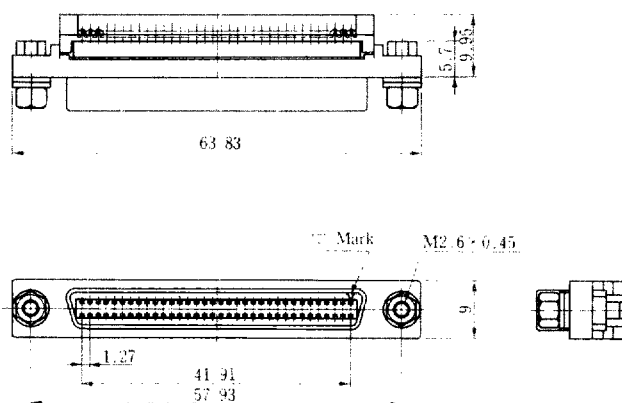
■ MATERIAL TREATMENT

Item	Material	Remarks
Receptacle case	Zinc alloy die cast	Nickel plating
Shell	Steel	Nickel plating
Insulator	PBT resin	Black (UL94V-0)
Female terminal	Copper alloy	Selective gold plating

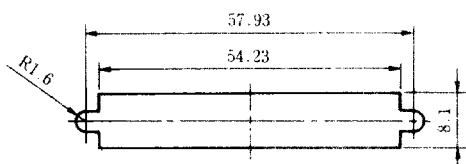
12.1 Receptacle, flat ribbon cable type



CL230-5078-3
DX33AM-68S-LNA



◆ PANEL-FITTING DIMENSIONAL DRAWING (Recommended panel thickness: max. 2mm)



DXM SERIES

13. PLUG STRAIGHT TYPE

■ ORDERING INFORMATION

DX 20E M - 110 P

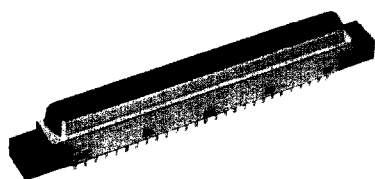
(1) (2) (1) (3) (4)

- 1) Series No.: DX--M
- 2) Connector style
20E: Straight dip
- 3) No. of pins: 110
- 4) Mating type
P: Plug

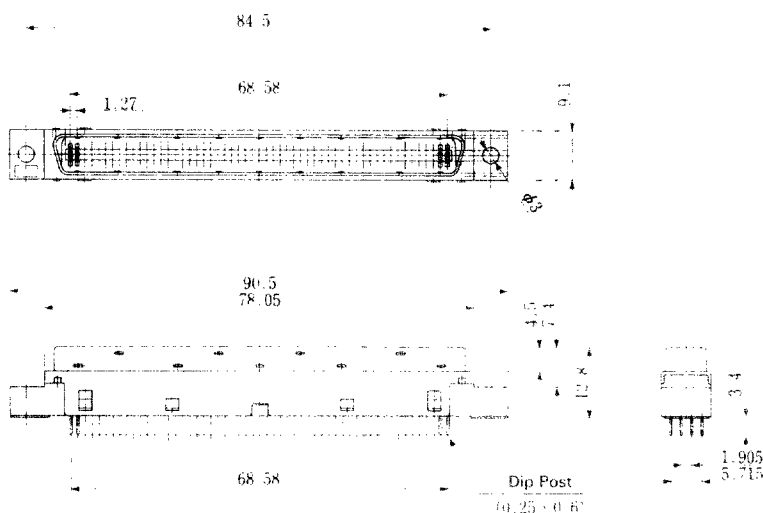
■ MATERIAL TREATMENT

Item	Material	Remarks
Receptacle case	Zinc alloy die cast	Nickel plating
Shell	Steel	Nickel plating
Insulator	PBT resin	Black (UL94V-0)
Male terminal	Copper alloy	Selective gold plating

13.1 Plug straight type

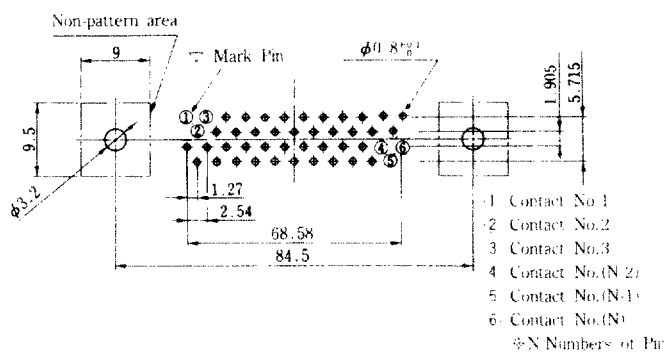


CL230-5094-0
DX20EM-110P



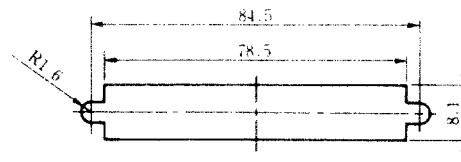
◆ PCB LAYOUT

(Recommended board thickness: 1.6mm)



◆ PANEL-FITTING DIMENSIONAL DRAWING

(Recommended panel thickness: Max. 2mm)



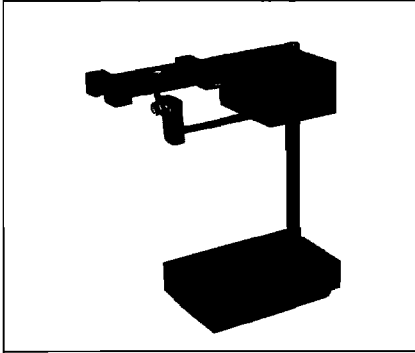
◆ LIST OF ENGAGEMENT COMBINATIONS

Plug straight type	Receptacle right angle type
DX20EM-110P	DX10AM-110SE1 or DX10AM-110SE2

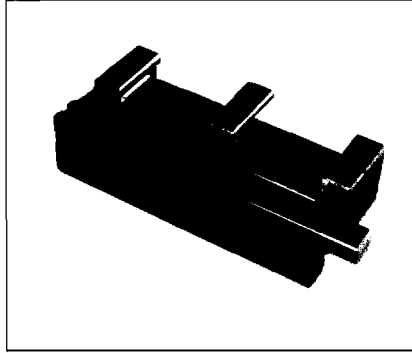
DXM SERIES

Connecting Method (Discrete Cable IDC Type)

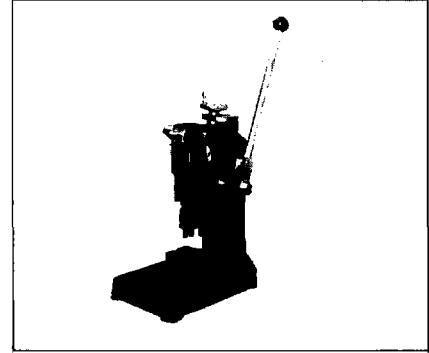
• Connecting Tools



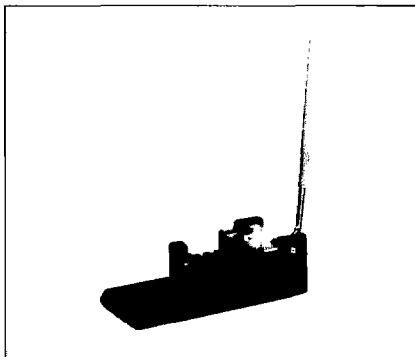
Cable distribution jig



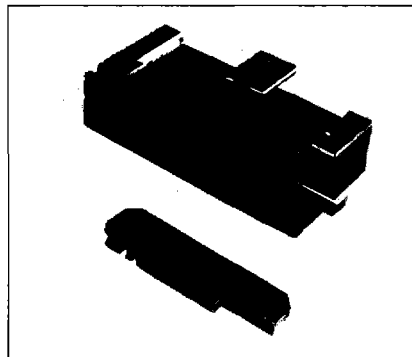
Cable shearing unit



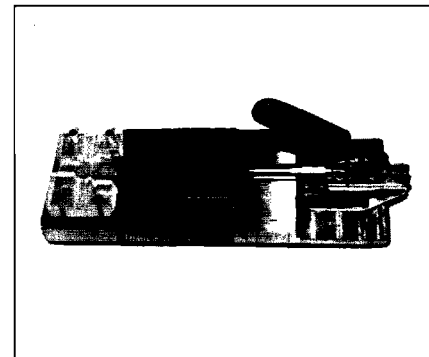
Shield case fixing jig



IDC press



IDC guide plate unit



Hood insertion jig

List of Connecting jigs and Accessories

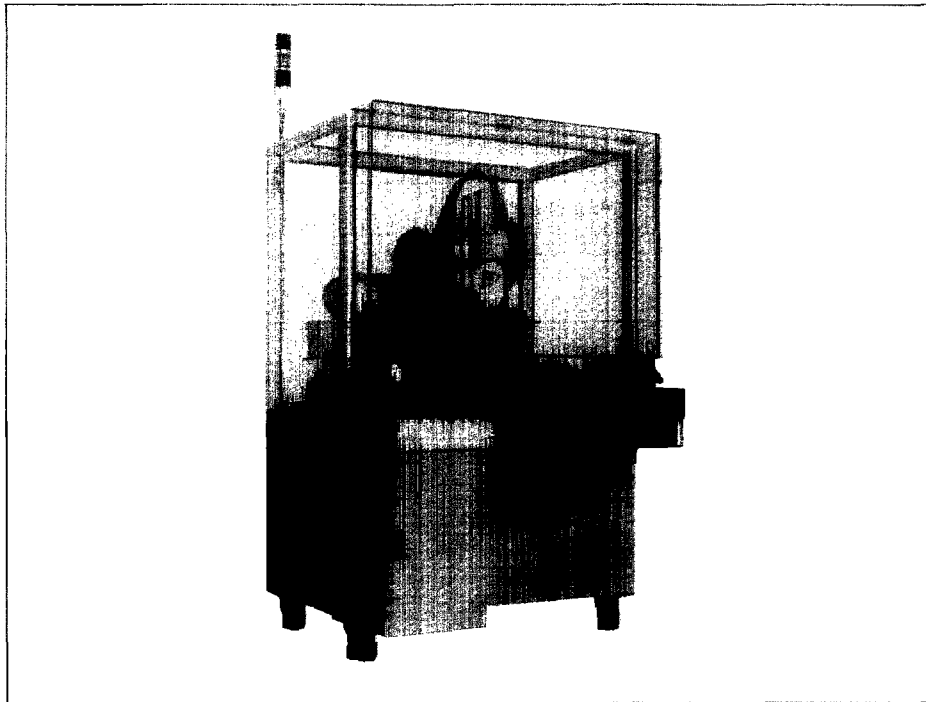
Cable	Connector	Process						
		Cable Distribution	Cable shearing		IDC		Shield case fixing	Hood insertion
			Press	Unit	Press	Guide-plate		
I/O Cable (Discrete thin wire)	DX30AM-14P	DX30AM-CAT1 Common to all pins	DX30AM-HP1 Common to all pins	DX30AM-CU1 Common to all pins	DX30AM-HP1 Common to all pins	DX30AM-GPT1 Common to all pins	DX30AM-CCT1	DX30AM-HPT1
	DX30AM-20P							
	DX30AM-26P							
	DX30AM-36P							
	DX30AM-50P							
	DX30AM-68P							
	DX30AM-80P							
	DX30AM-100P							
	DX30AM-110P							
								DX30AM-HPT1 - 100
								DX30AM-HPT1 - 110

DXM SERIES

AUTOMATIC DISCRETE CABLE COMBING MACHINE FOR DX. DXM SERIES

■ OUTLINE

This Automatic Combing Machine arranges and streamlines the conductor cables of a multiconductor round I/O cable when terminating it to a connector.



■ FEATURES

- (1) Cable number identification is provided.
- (2) A high speed and highly accurate conductor cable handling mechanism.
- (3) Twin stage design provides highly efficient combing operation.
- (4) Pushbutton operation offers very simple operating procedure.
- (5) Lightweight, quiet operation, and clean working environment.

■ PRINCIPAL SPECIFICATIONS

- | | |
|---|---|
| 1. Power supply | 200VAC |
| 2. Pneumatic supply pressure | 5kgf/cm ² |
| 3. Dimensions and weight of the main unit | 1,100mm W × 1,150mm D × 1,720mm H
(not including circular indicating lamp)
Weight 400kg |
| 4. Cables to be used | AWG $\pm$ 28 (0.58mm ϕ) |