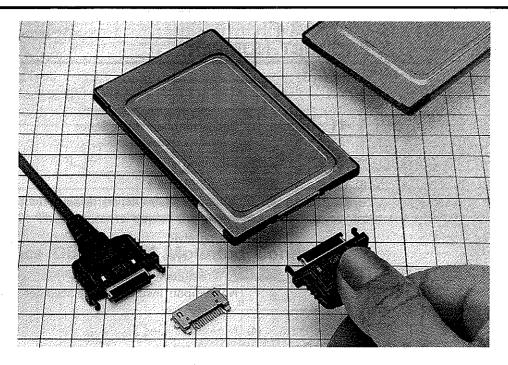
HR5 3200 SERIES

15-Pin Connectors for I/O Card Interfaces

GENERAL

The 3200 Series of connectors was developed for use at the interface side of I/O cards and can be used with type I and type II cards.

A frame kit has also been developed as an associated product.



■ FEATURES

- 1. The receptacle connector (profile with a height of 2.9 m. shell; it is both durable and shielding characteristics. This mounted on type I and type Ii
- 2. The five types of incorrect insert keys prevent misaligned fits.
- 3. The connector has a simple lock wh it from becoming disconnected even prying. The connector also locks onto so that when there is force exerted

· low etal ١te

- connector, the load is not applied directly to the internal board.
- 4. The board mounting system uses a 0.8 mm pitch SMT system that makes mounting easy.
- 5. The wiring of the plug side can be terminated by insulation displacement or solder.
- 6. The contacts are shaped like half of a tuning fork and provide complete contact even when subjected to twists.

APPLICATIONS

These connectors can be used in applications such as a wide variety of I/O cards (e.g., modem and LAN), portable personal computers, and hand held terminals.

MATERIALS AND FINISH

Main ma	aterials used	
Insulator	Synthetic resin	Black*
Pins	ins Copper alloy Partial	
Shell	Stainless steel	Solder plating
Insulator	Synthetic resin	Black*
Pins	Copper alloy	Partial gold plating
Shell	Copper alloy	Solder plating
Cover	Synthetic resin	Back*
	Insulator Pins Shell Insulator Pins Shell	Pins Copper alloy Shell Stainless steel Insulator Synthetic resin Pins Copper alloy Shell Copper alloy

■ ELECTRICAL PERFORMANCE

Major Specifications				
Current capacity 500 mA				
Rated voltage 125 V AC				
Insulation resistance 250 MΩ or greater at 100 V				
Withstand voltage	300 V AC rms for 1 minute			

STRUCTURE OF THE PRODUCT NUMBER

• Receptacle Connectors

$$\frac{32105}{|} \frac{105}{|} \frac{155441}{|}$$
(1) (2) (3) (4) (5)(6) (7)

(1) Series number: 3200 Series

(2) Mounting style 10: Right angle

30: AWG 28 insulation displacement type

(3) Wiring style

S: SMT type

A: Pressure welding type

No symbol: Insulation displacement type

Plug connectors
 (4) Number of pins

 $\frac{3230A - 15PA - C2}{ }$

(5) Type of opening

P: Plug

S: Receptacle

(6) Type of incorrect insertion prevention keys
A through E

(7) Height of connector lead at the receptacle side 41: 0.3 mm eccentric from center

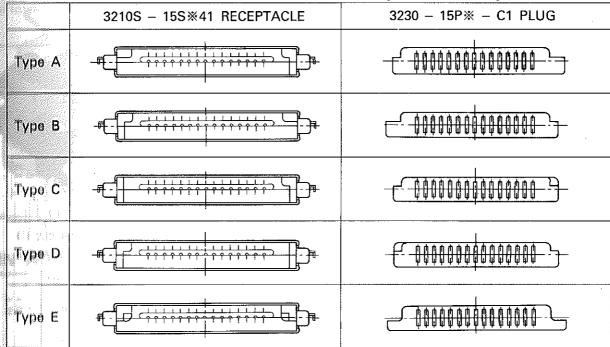
(8) Type of cover case at the plug side

C1: Eccentric form type

C2: Center distributed type

Incorrect Insertion Prevention Keys

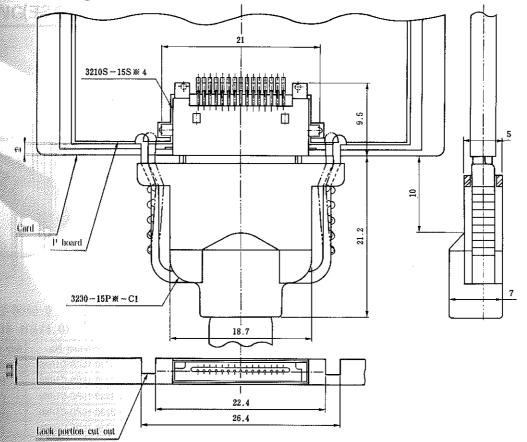
Combination of incorrect insertion prevention keys



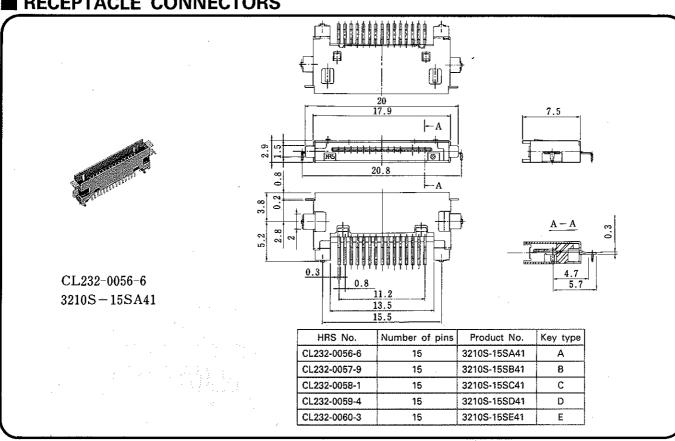
NOTE 1: The asterisk (*) denotes A, B, C, D, or E.

NOTE 2: The diagrams depict the connectors as viewed from the mating side.

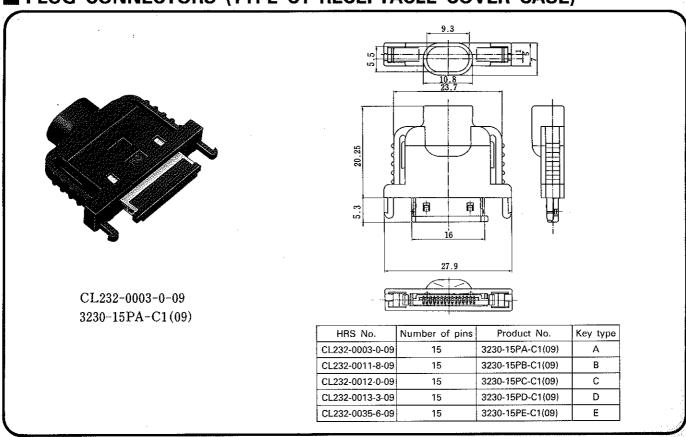
Reference Diagram of Mounted Connector



RECEPTACLE CONNECTORS



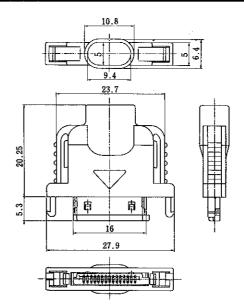
■ PLUG CONNECTORS (TYPE C1 RECEPTACLE COVER CASE)



■ PLUG CONNECTORS (TYPE C2 SYMMETRICAL COVER CASE)

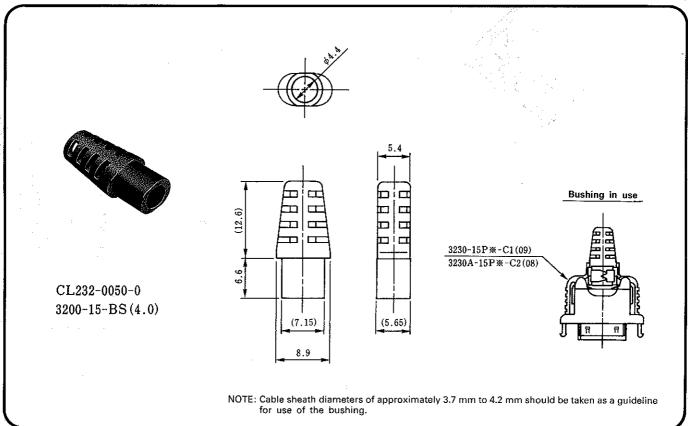


CL232-0030-2-08 3230A-15PA-C2(08)



HRS No.	Number of pins	Product No.	Key type
CL232-0030-2-08	15	3230A-15PA-C2(08)	Α
CL232-0031-5-08	15	3230A-15PB-C2(08)	В
CL232-0032-8-08	15	3230A-15PC-C2(08)	С
CL232-0033-0-08	15	3230A-15PD-C2(08)	D
CL232-0049-0-08	15	3230A-15PE-C2(08)	E

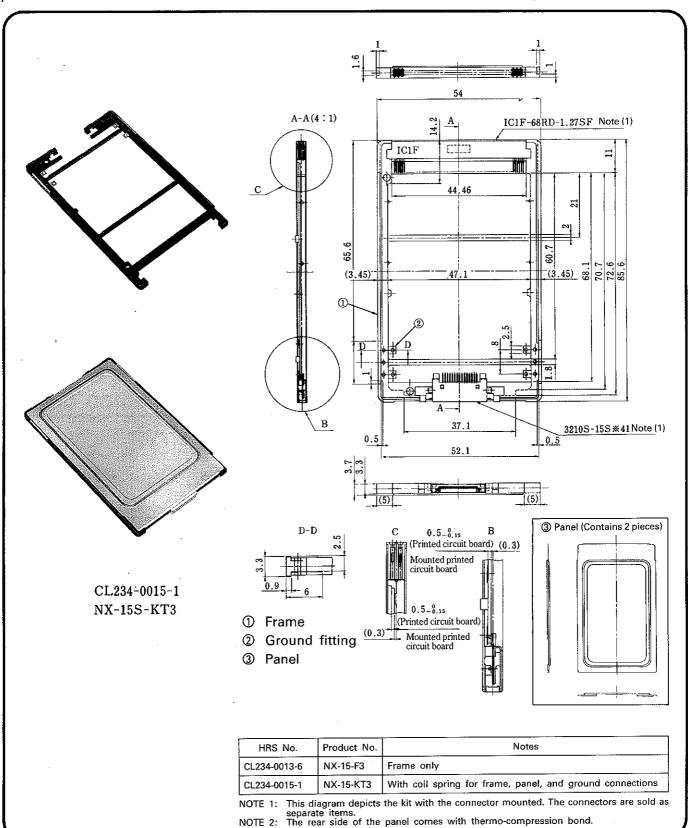
■ BUSHING FOR SMALL DIAMETER CABLE



■ FRAME KIT FOR I/O CARDS

This frame kit has been developed for use with I/O cards and is equivalent to type II in accordance with JEIDA Ver. 4.1 and PCMCIA 2.01.

A back connector (3210S-15S*4) can be mounted to the rear portion of the card and an FG connector is also provided.



Applications for Connections of I/O Card Connectors

■ MODULAR PLUGS FOR ROUND CABLE (SUIT AWG #28)



6 Pins



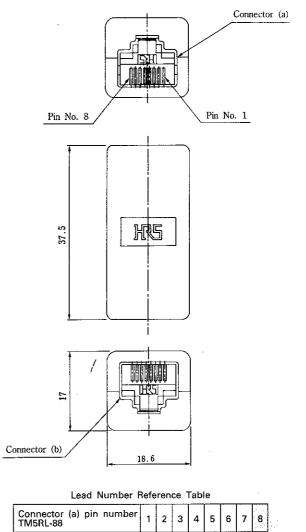
8 Pins

HRS No.	Number of pins	Product No.
CL222-2684-2	6	TM30P-66P
CL222-2685-5	8	TM30P-88P

■ 8-PIN ADAPTER



CL222-3798-7 TM5RL-88-JJ



Connector (a) pin number TM5RL-88	1	2	3	4	5	6	7.	8	
Connector (b) pin number TM5RL-88	1	2	3	4	5	6	7	8	

● Suitable Cable

The connector at the plug side is of insulation displacement construction and the following types of cable are provided as a guideline.

Connector name	Conductors	Sheath
3230-15P%-C1	Outside diameter of insulation: 0.58 to 0.68 mm AWG 28	5.5 imes 9.3 or smaller
3230A-15P*-C2	Outside diameter of insulation: 0.58 to 0.68 mm AWG 28	5 x 9.4 or smaller

♦ Harness Tool

Connector name	Process	Tool name		
2000 250 W 24/20	Manual wire arranging	3230-15SP (Wire arranging pallet) 3230-15CAT (Wire arranging jig)		
3230-15P%-C1(09) 3230A-15P%-C2(08)	Pressure welding disconnection	g 3230-15GP1		
The first section was be-	Clamp	3230-15CCT	Hi-Flex wiring press HHP-502	





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