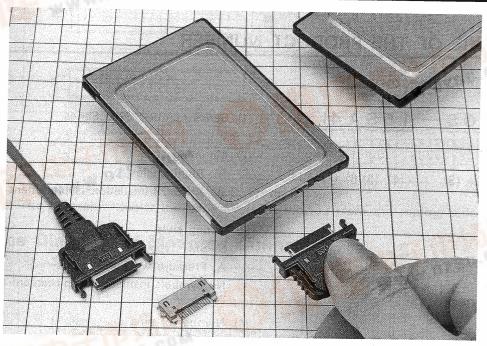
HS 3200 SERIES

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

- The receptacle connector features a super low profile with a height of 2.9 mm and uses a metal shell; it is both durable and offers complete shielding characteristics. This connector can be mounted on type I and type II cards.
- 2. The five types of incorrect insertion prevention keys prevent misaligned fits.
- 3. The connector has a simple lock which prevents it from becoming disconnected even with some prying. The connector also locks onto the frame so that when there is force exerted on the
- 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.
- 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.

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MATERIALS AND FINISH

Main materials used						
	insulator	Synthetic resin	Black*			
Receptacle connector	Pins	Copper alloy	Partial gold plating			
	Shell	Stainless steel	Solder plating			
	Insulator	Synthetic resin	Black*			
Plug connectors	Pins	Copper alloy	Partial gold plating			
	Shell	Copper alloy	Solder plating			
	Cover	Synthetic resin	Back*			

*UL94V-0

■ ELECTRICAL PERFORMANCE

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

STRUCTURE OF THE PRODUCT NUMBER

• Receptacle Connectors

$$\frac{3210S}{|} \frac{105}{|} \frac{155A41}{|}$$
(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

(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 side41: 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

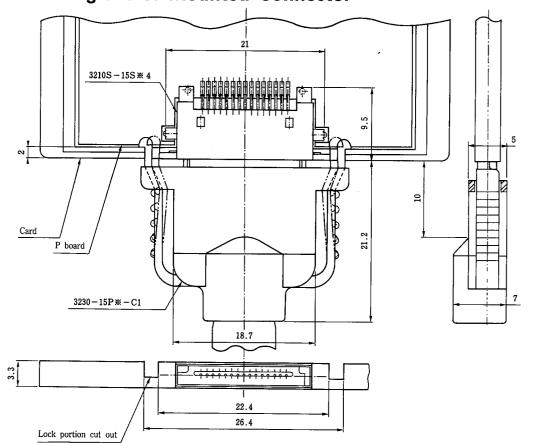
Combination of incorrect insertion prevention keys

	Tomaniation of moorroot moorroot provention keys					
	3210S - 15S%41 RECEPTACLE	3230 - 15P% - C1 PLUG				
Type A						
Туре В						
Type C						
Type D						
Type E						

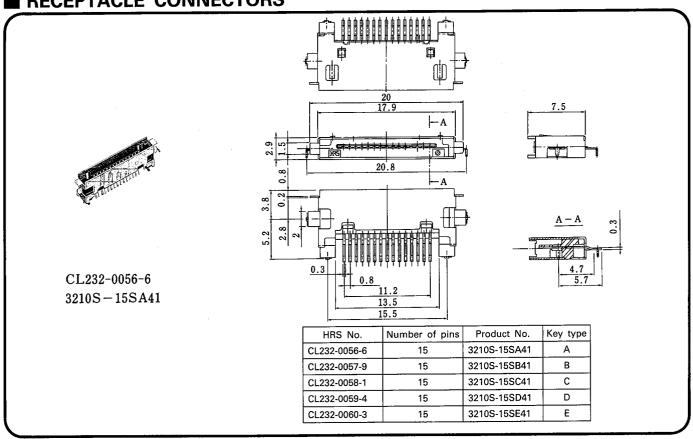
NOTE 1: The asterisk (%) denotes A, B, C, D, or E.

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

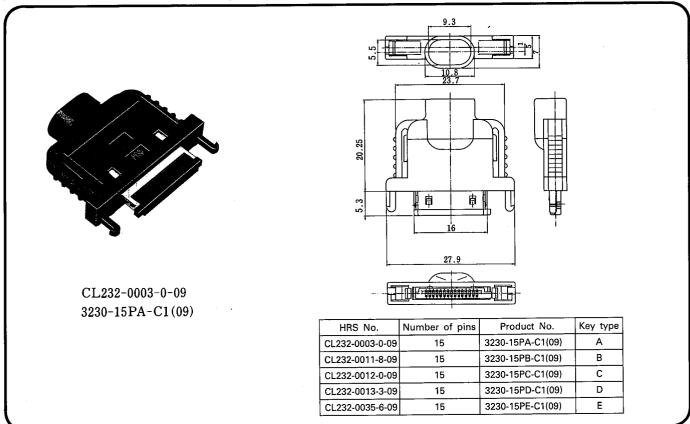
● Reference Diagram of Mounted Connector



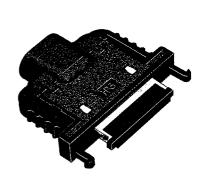
RECEPTACLE CONNECTORS



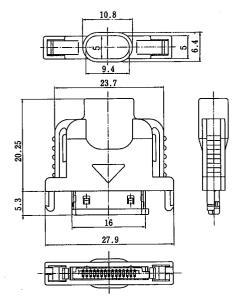
■ PLUG CONNECTORS (TYPE C1 RECEPTACLE COVER CASE)



■ PLUG CONNECTORS (TYPE C2 SYMMETRICAL COVER CASE)



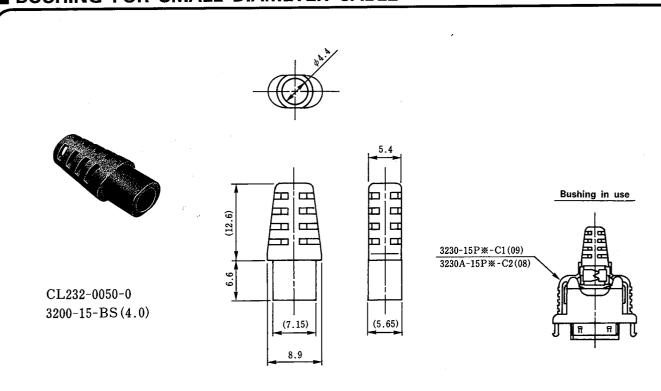
CL232-0030-2-08 3230A-15PA-C2(08)



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

NOTE: Cable sheath diameters of approximately 3.7 mm to 4.2 mm should be taken as a guideline

■ BUSHING FOR SMALL DIAMETER CABLE

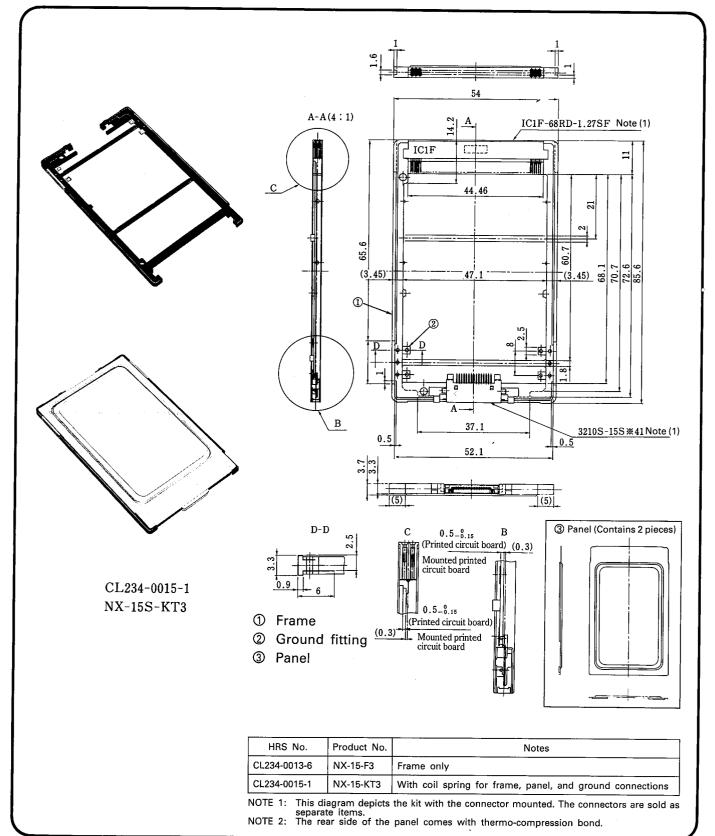


for use of the bushing.

■ FRAME KIT FOR I/O CARDS

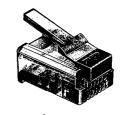
This frame kit has been developed for use with I/O cards and is equivalent to type II in accordance with JEIDA Ver. 4.1 and PCMCIA 2.01.

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)



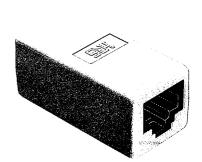
6 Pins



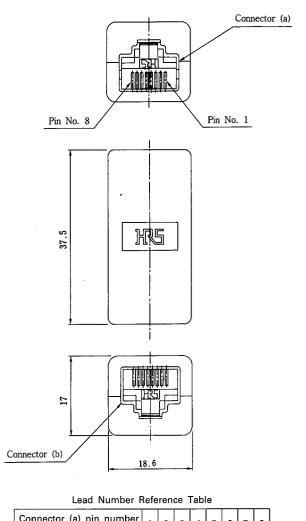
8 Pins

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 × 9.3 or smaller		
3230A-15P%-C2	Outside diameter of insulation: 0.58 to 0.68 mm AWG 28	5 × 9.4 or smaller		

● Harness Tool

Connector name	Process	Tool name		
0000 45DW 64/00\	Manual wire arranging	3230-15SP (Wire arranging pallet) 3230-15CAT (Wire arranging jig)		
3230-15P%-C1(09) 3230A-15P%-C2(08)	Pressure welding disconnection	3230-15GP1		
	Clamp	3230-15CCT	Hi-Flex wiring press HHP-502	