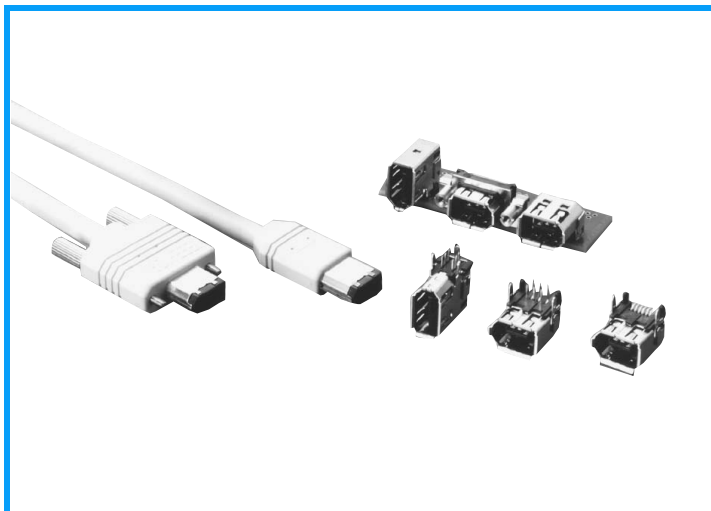


HSB Series

For IEEE-1394 High Performance Serial Bus Connectors

A
HSB



HSB series is a high performance shielded I/O connector serial bus that will allow increased transmission speed for multi-media applications in accordance with IEEE 1394

FEATURE

- Data transmission rates of 100,200 and 400Mbps
- 6 reliable ribbon style contacts, 2 pair signal and 2 power
- Fully shielded design feature protection from electrostatic discharge
- Power and ground contacts feature a premating design for circuit protection

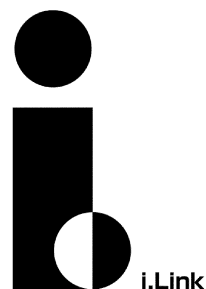
APPLICATION

Computer, HDD, MO, Printer, Scanner, DV Camcorder, Digital Camera, IEEE1394 Host Adapter and Other Multi-Media Devices

DataSheet4U

SPECIFICATION

Voltage Rating	30V AC (rms)
Current Rating	1.5A / contact
Dielectric With Standing Voltage	500V AC (rms) for 1 minute
Insulation Resistance	100M Ω min. at 500V DC
Contact Resistance	30m Ω max.



DataSheet4U

MATERIAL/FINISH

Contact	Copper alloy/Mating area : 0.76 μ m Gold over Nickel plating Tail area :Tin-lead plating
Insulator	PA resin or LCP resin (UL94V-0) color black
Shell	Copper alloy or Steel/Tin-lead plating

6Pin - 6Pin Cable Assembly

HSB-HAA-B07

CN-A style		
	CN-A	CN-B
AA	Standard	Standard
AC	Standard	Screw lock
CC	Screw lock	Screw lock

Cable length

07 : L=0.7m
20 : L=2.0m
45 : L=4.5m

Cable style

: See Table-2

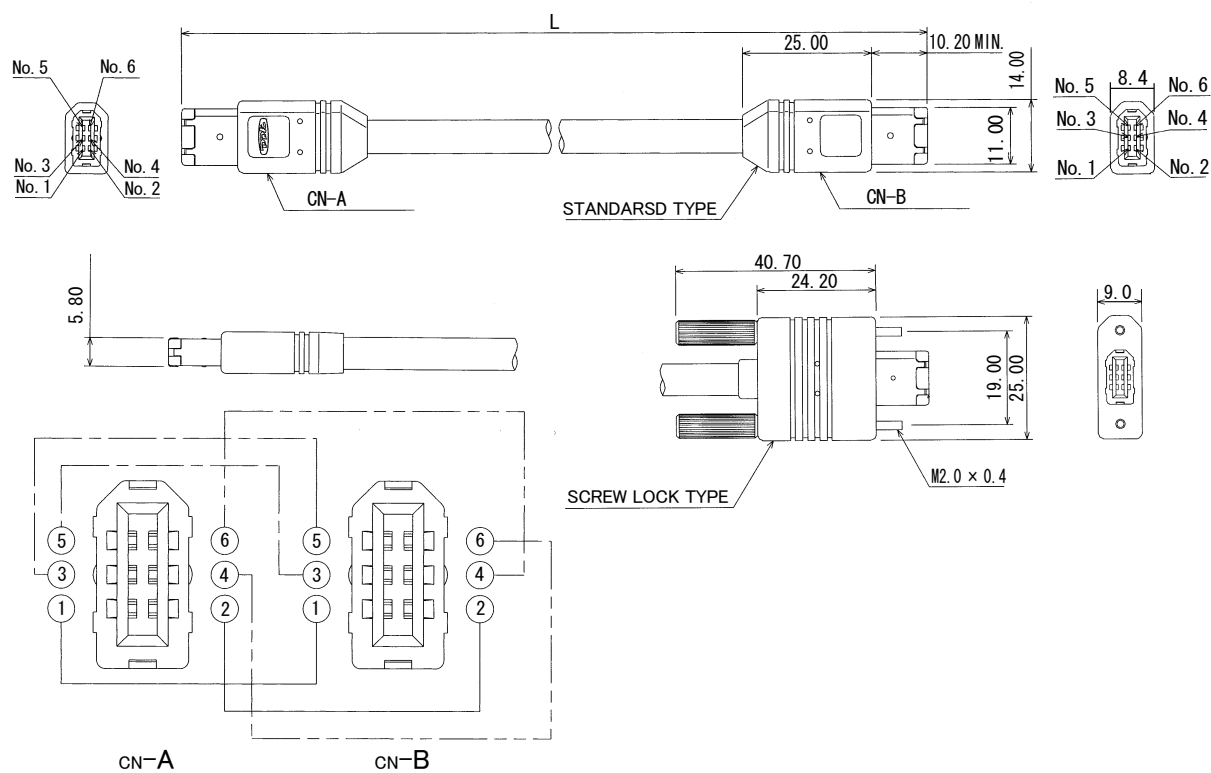


TABLE-2 (APPLICABLE CABLE)

DDK P/N	HSB-H□□-A□□	HSB-H□□-B□□
Signal Wire		
Power Wire		
Inner Shield		
Jacket Diam.	φ 6.1mm	φ 5.5mm
Inner Shield	aluminum polyester tape + tinned copper	aluminum polyester tape
Straddle Signal Wire	AWG28	AWG28
Straddle Power Wire	AWG22	AWG22
Straddle Drain Wire	AWG28	AWG28
Hood Dimension "A"	9.6mm	8.4mm
Remark	1394 Standard	Slim Type

TABLE-1 (WIRING STRUCTURE)

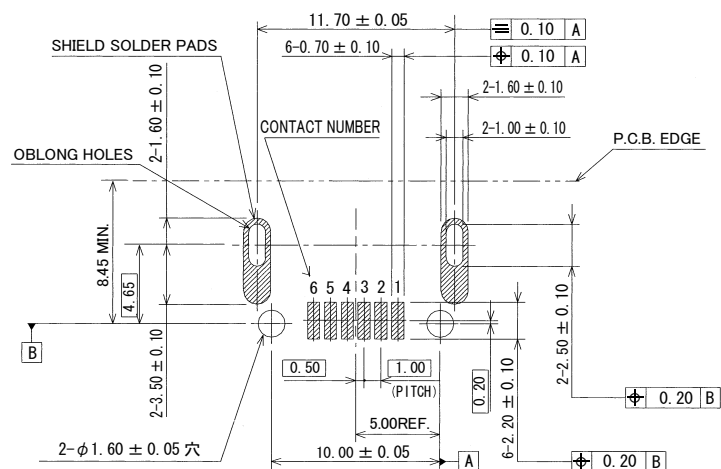
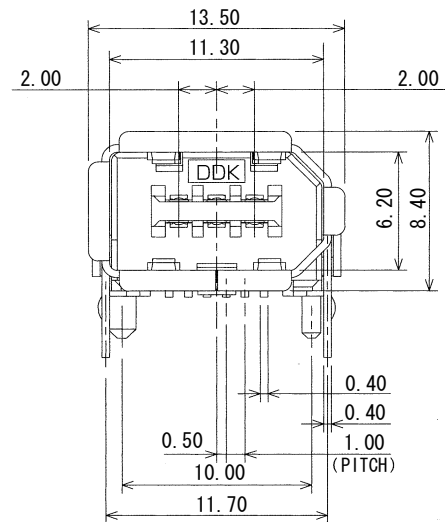
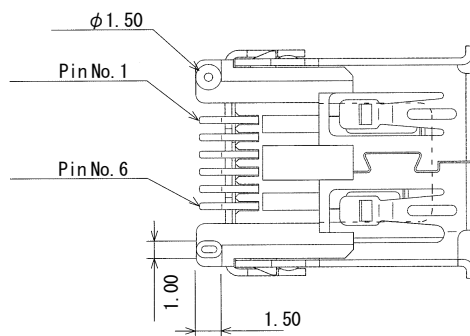
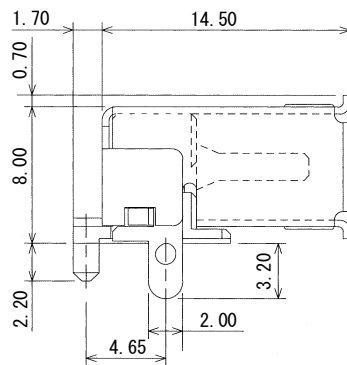
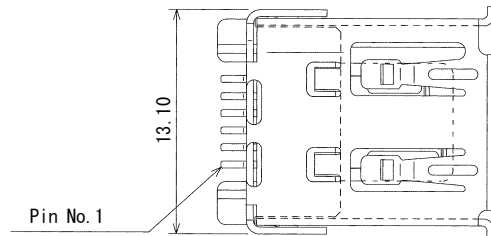
CN-A	WIRE COLOR	CN-B
Pin No.		Pin No.
1	WHITE	1
2	BLACK	2
3	RED	5
4	GREEN	6
5	ORANGE	3
6	BLUE	4
Shell	Shield	Shell

Unit : mm



■ Right Angle Flat Receptacle (SMT Type)

HSB-ARA62-SN15A



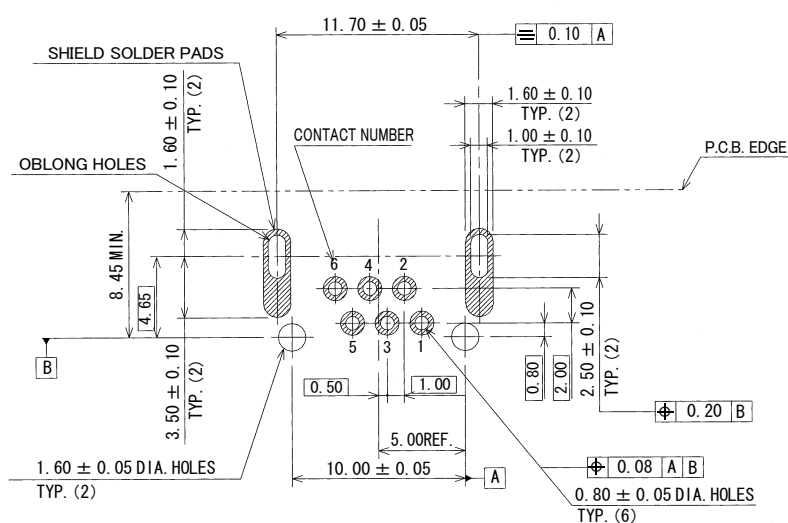
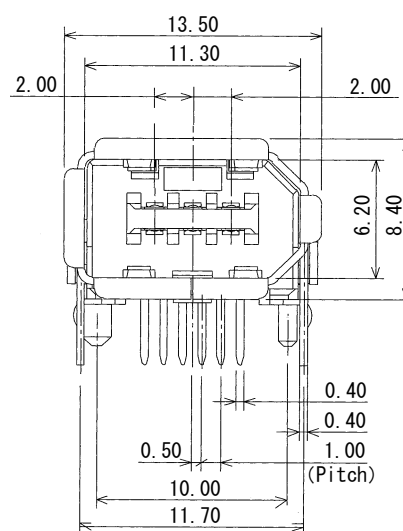
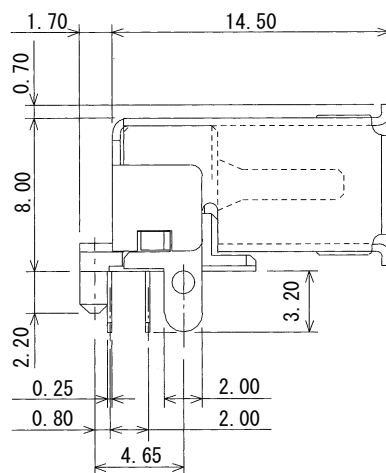
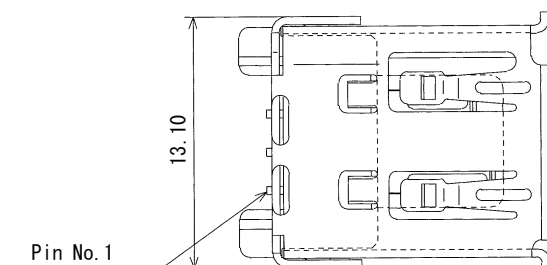
PCB Mounting Dimensions

PCB Thickness : $t=1.60^{\pm 0.19}$

(Connector Mounting Side)

■ Right Angle Flat Receptacle (DIP Type)

HSB-ARA62-T115A



PCB Mounting Dimensions

PCB Thickness : $t=1.60^{\pm 0.19}$

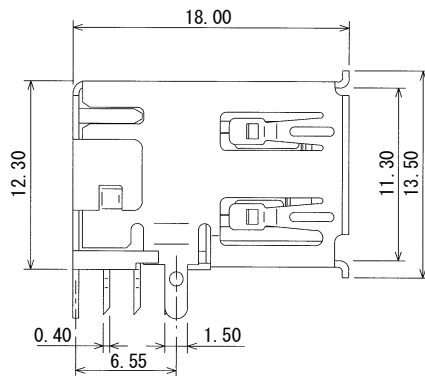
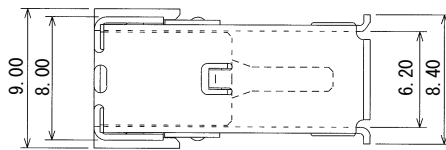
(Connector Mounting Side)

Right Angle Upright Receptacle (DIP Type)

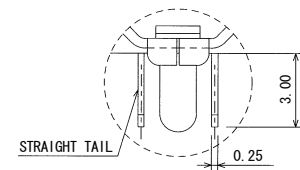
HSB-ARB62-T215A

Contact tail length

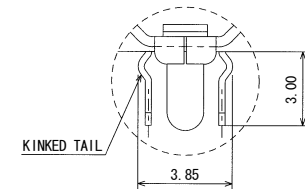
- 2 : 3.0mm without kinked tail
3 : 3.0mm with kinked tail



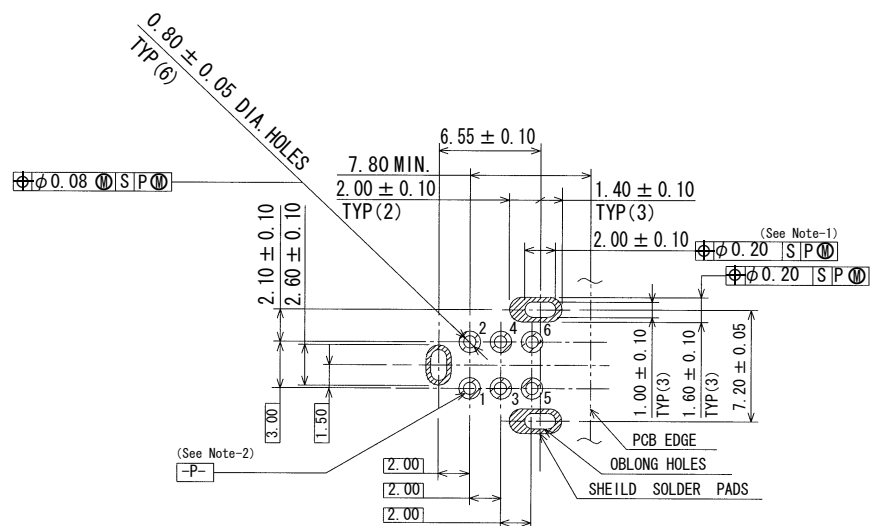
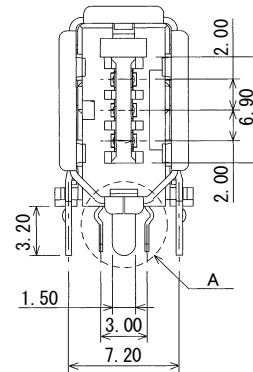
Detail A



HSB-ARB62-T215A



HSB-ARB62-T315A



PCB Mounting Dimensions

PCB Thickness : $t=1.60 \pm 0.19$

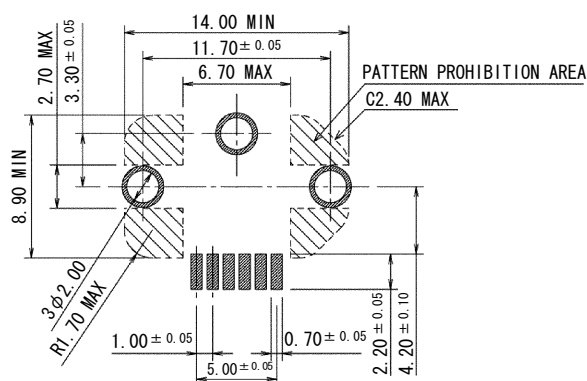
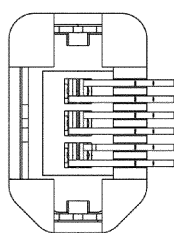
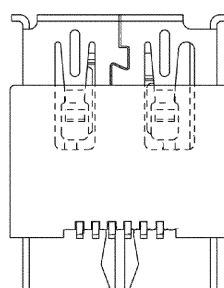
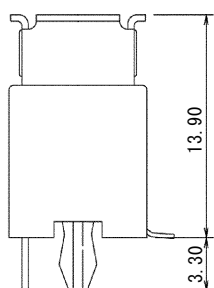
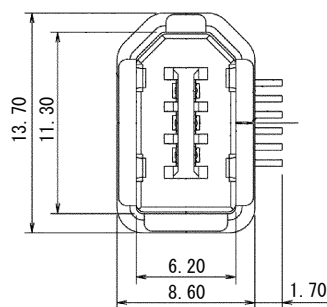
(Connector Mounting Side)

Note

1. PCB mounting surface is datum S ; thickness is not specified.
2. Datum P hole excluded from positional tolerance.

■ Straight Receptacle (SMT Type)

HSB-ARD64-SN16C



PCB Mounting Dimensions

PCB Thickness : $t=1.60 \pm 0.19$

(Connector Mounting Side)

Bracket

A

HSB

HSB-R001NN

Board Lock

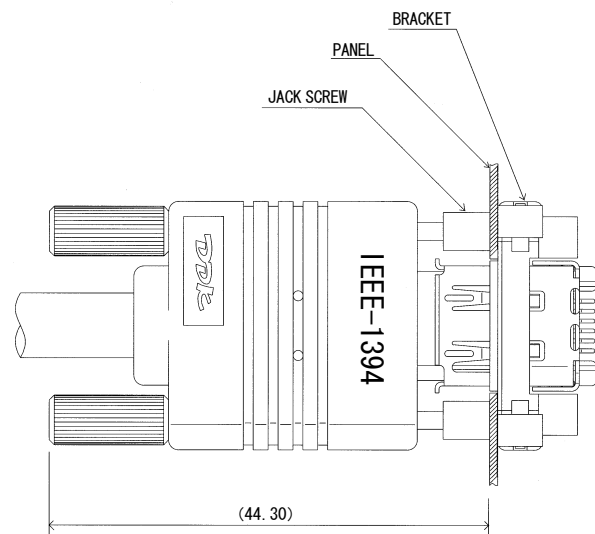
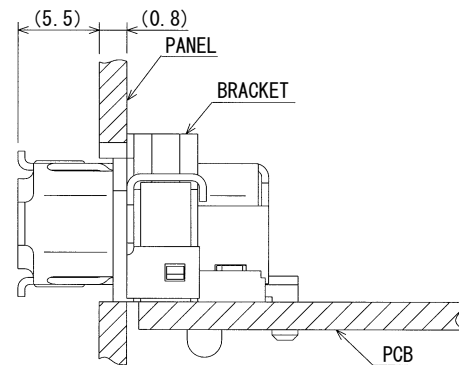
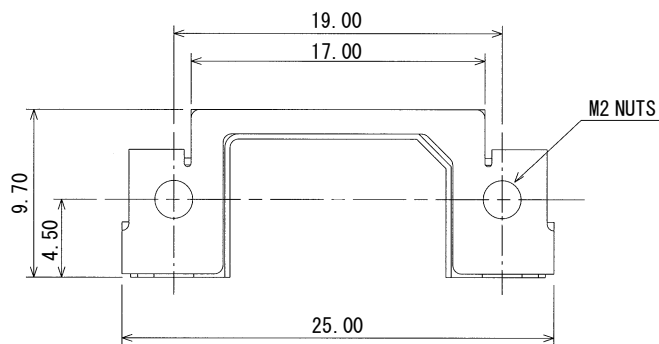
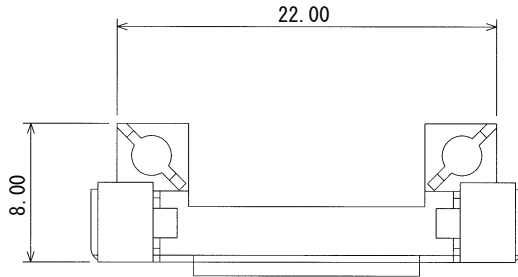
N : WITHOUT BOARD LOCK
B : WITH BOARD LOCK

Hard Ware

N : N/A
J : WITH JACK SOCKET
UNASSEMBLED

FEATURE

- Metal plate for EMI
- Plastic Holder for Electrical Isolation
- Mounting Hole for Jack Screw



Note

1. Sales lot or ordering

For each of products, a minimum lot for ordering is specified. Also, there are products which are supplied custom-made. When ordering, please contact us and confirm ordering procedures.

Mating Configuration