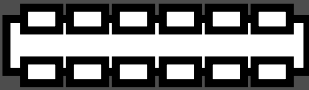


0.8 mm Pitch



Connectors

HDRA series

0.8 mm Pitch Connectors

Outline

HDRA series connectors have been developed based on the HDR series products for high speed signal interfaces such as SCSI-III, VHDCI and PCI.

Features

- Conforms to the United States ANSI/SFF8441 standards
- Provided with high performance EMI/ESD-shielded structure
- Mounted with locks or screws
- Low profile
- Sequence structure

Principal Applications

Server, Router, Notebook type personal computers and their peripheral equipment, and mobile equipment

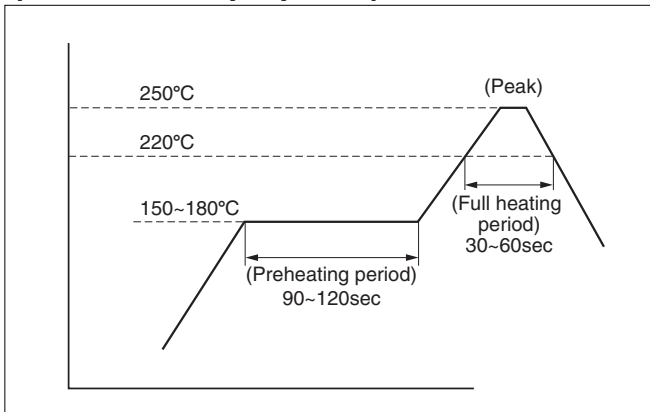
Electrical Characteristics

Rated voltage	30V AC (r.m.s.)
Rated current	0.3 A
Insulation resistance	Over 500 megohms at 100V DC
Dielectric withstanding voltage	250V AC (r.m.s.)
Contact resistance	70 milliohms or less (for combination of MA or MA1 and LFDT) 100 milliohms or less (for combination with MA1 and W1LFDT)

Document Disclaimer

- When placing orders with us, minimum order quantities are set for every product.
- Be sure to contact us before starting preliminary design of PCBs using our connectors.
- The specifications and information shown in the catalog are subject to change without notice.

Reflow temperature profile (for reference purposes)

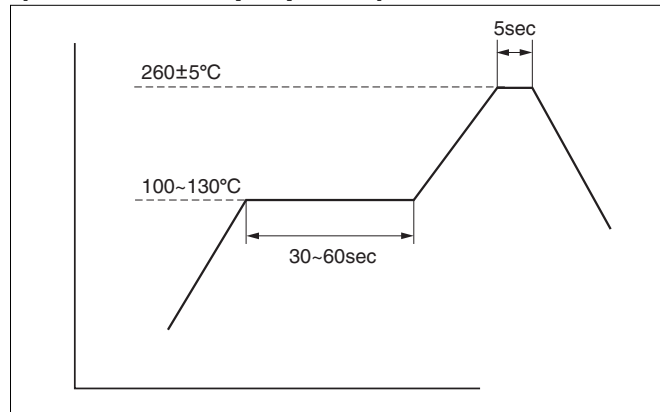


The reflow temperature profile shown in this drawing is for reference purposes. This profile depends on requirements such as reflow equipment, soldering paste, and PCB size. Thus, this profile may not meet with your specific situation. Please evaluate your PCB-mounting soldering and set your own reflow temperature profile.

●Applicable products

HDRA series SMT type for PCB

Flow temperature profile (for reference purposes)



The flow temperature profile as shown above is for reference purposes. This profile depends on requirements such as the PCB size. Thus, this profile may not meet with your specific situation. Please evaluate your PCB-mounting soldering and set your own flow temperature profile.

●Applicable products

HDRA series through hole type for PCB

Product List



IDC type male connector for cable
HDRA-E36MA+

A-22
HDRA series...6



IDC type male connector for cable
HDRA-E68MA+

A-23
HDRA series...7



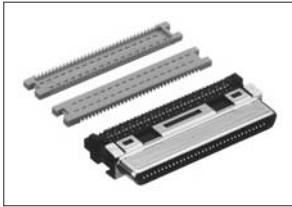
IDC type male connector for cable
HDRA-E68M()+

A-24
HDRA series...8



IDC type male connector for cable
HDRA-E100M()+

A-25
HDRA series...9



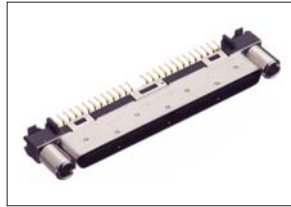
IDC type female connector for cable
HDRA-E68FAG1+

A-26
HDRA series...10



Straddle SMT type male connector for PCB
HDRA-E68MT+

A-27
HDRA series...11



Straight through hole type male connector for PCB
HDRA-EC100MDT()+

A-28
HDRA series...12



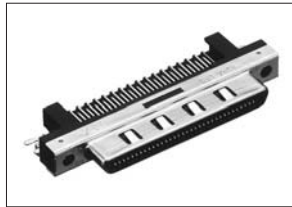
Straight through hole type female connector for PCB
HDRA-EC68FDT+

A-29
HDRA series...13



Straight through hole type female connector for PCB
HDRA-EC100FDT+

A-30
HDRA series...14



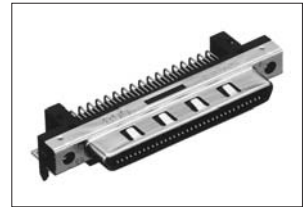
Right-angle through hole type female connector for PCB
HDRA-E68LFDT-OM18+

A-31
HDRA series...15



Right-angle through hole type female connector for PCB
HDRA-E68LFD1T()+

A-32
HDRA series...16



Right-angle through hole type female connector for PCB
HDRA-EC68LFDT()-()+

A-33
HDRA series...17



Right-angle through hole type female connector for PCB
HDRA-EC100LFDT()-()+

A-34
HDRA series...18



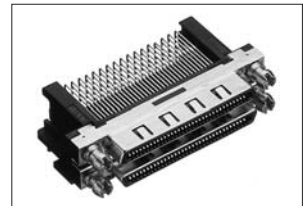
Right-angle through hole type female connector for PCB
HDRA-EA36LFDT()+

A-35
HDRA series...19



Right-angle through hole type female connector for PCB
HDRA-E100LFDT()-()+

A-36
HDRA series...20



Right-angle through hole type female connector for PCB
HDRA-E68W1LFDT()+

A-37
HDRA series...21



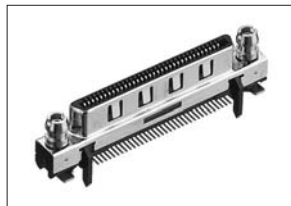
Right-angle through hole type female connector for PCB
HDRA-E68W()LFDT1EC()+

A-38
HDRA series...22



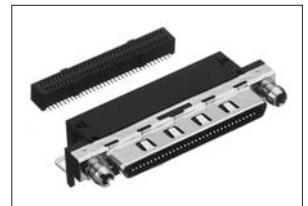
Right-angle through hole type female connector for PCB
HDRA-E100W()LFDT1EC()+

A-39
HDRA series...23



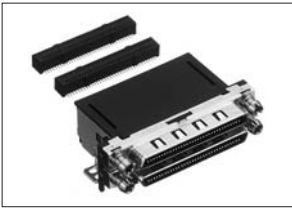
Straight SMT type female connector for PCB
HDRA-E68FYT()+

A-40
HDRA series...24



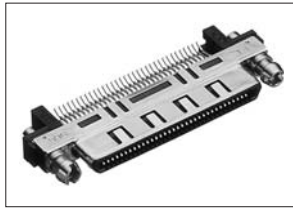
Right-angle SMT type female connector for PCB
HDRA-ED68LFZGT()-()+

A-41
HDRA series...25



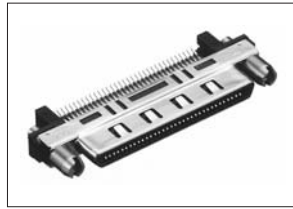
Right-angle SMT type female connector for PCB
HDRA-ED136LFZGT()-()+

A-42
HDRA series...26



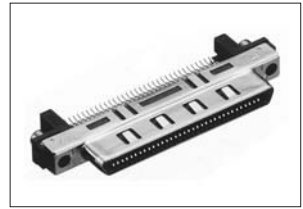
Straddle SMT type female connector for PCB
HDRA-E68FT+

A-43
HDRA series...27



Straddle SMT type male connector for PCB
HDRA-E68FT2-()+

A-44
HDRA series...28



Straddle SMT type male connector for PCB
HDRA-E68FT2-0M06+

A-45
HDRA series...29



Straddle SMT type female connector for PCB
HDRA-EA36FT-NS+

A-46
HDRA series...30



EMI-shielded vertical plastic housing for standard cable
HDRA-E68LGKP()

A-47
HDRA series...31



EMI-filtered vertical metallic housing
HDRA-E100LPA

A-48
HDRA series...32



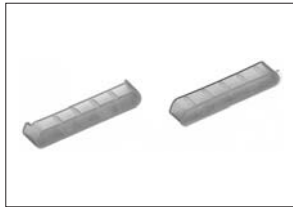
EMI-filtered vertical metallic housing
HDRA-E100LPW()

A-49
HDRA series...33



EMI-shielded vertical plastic housing
HDRA-E36LPTH

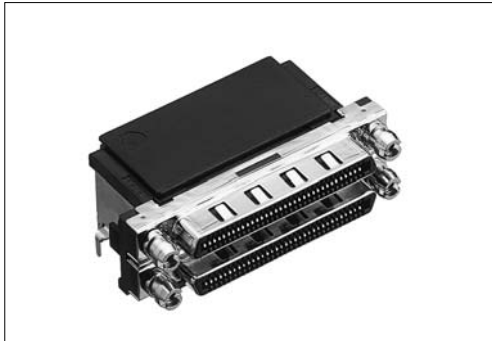
A-50
HDRA series...34



Dust-proof cap
HDRA-E68()-CP

A-51
HDRA series...35

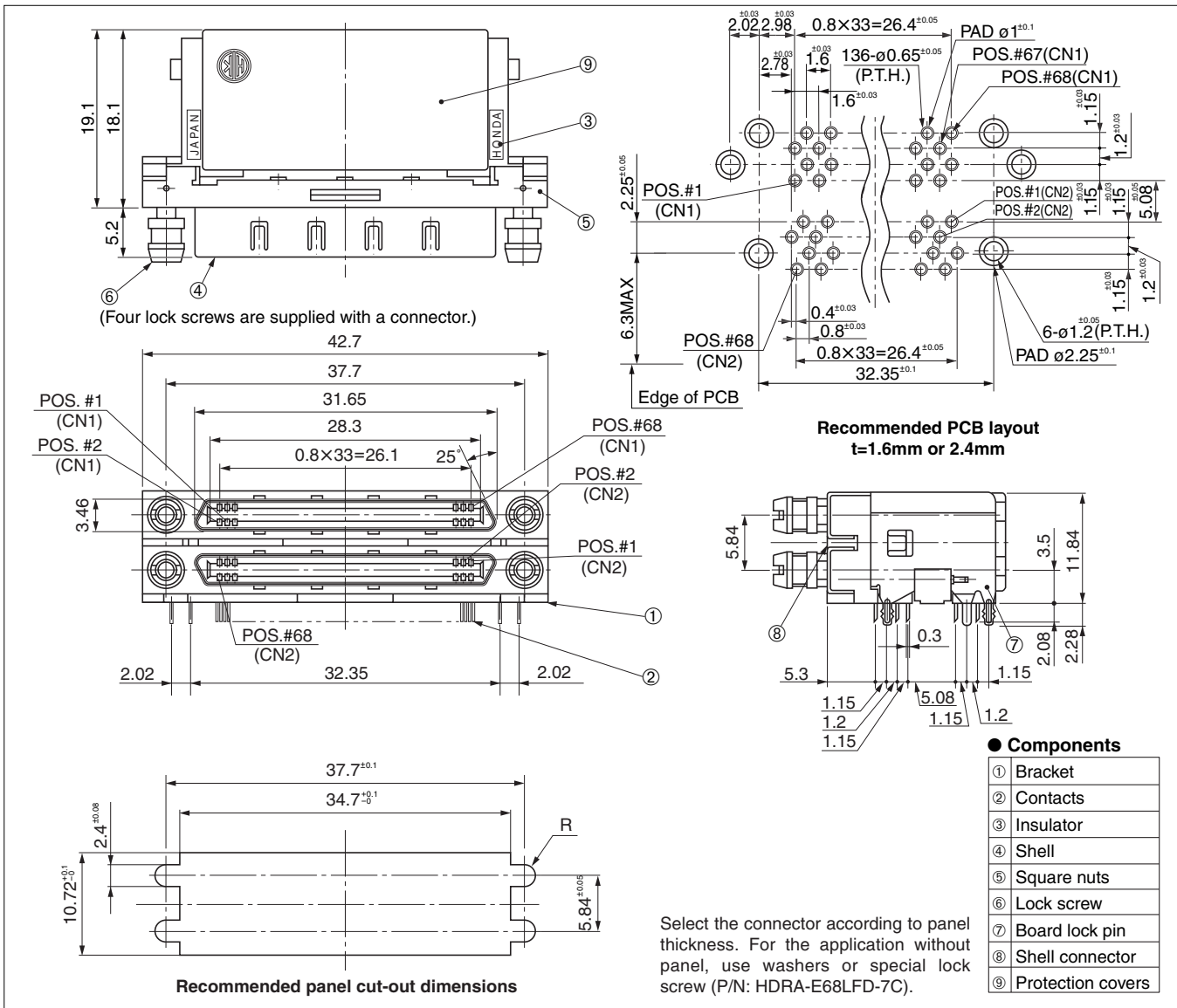
Right-angle through hole type female connector for PCB HDRA-E68W()LFD T1 E C-()+



● Configuration of product Part No.

HDRA- E 68 W () LFD T1 E C-()+

- | | |
|--|---|
| ① Series name | ⑥ Earth lock pin (provided with board lock mechanism) |
| ② No. of contacts: 136 (68×2) | ⑦ Provided with shell connection reinforcement |
| ③ No. of stacks: 2 | ⑧ Provided with protection cover for contacts and bends |
| ④ Length of contact, through hole
1: 2.08 (PCB: 1.6 mm thick)
2: 3.4 (PCB: 2.4 mm thick) | ⑨ Lock screw |
| ⑤ Type of contact
LFD: Right-angle through hole type, female | Blank: None |
| | SL : Provided (Thickness of panel: 1.12 mm) |



● Components

①	Bracket
②	Contacts
③	Insulator
④	Shell
⑤	Square nuts
⑥	Lock screw
⑦	Board lock pin
⑧	Shell connector
⑨	Protection covers

Mating connector: HDRA series IDC type male cable connector, or straddle SMT type male connector