



HDMI Standard Digital Interface Connector

CONNECTOR

MB-0121-3

February 2013

# DC1 Series

**RoHS Compliant**

The market for digital consumer devices such as LCD TVs, BD players has been rapidly growing along with the progress of digital high-definition television broadcasting.

The DC1 Series is a connector created specifically for use with the HDMI standard, a digital interface standard for digital consumer devices.

\*HDMI, the HDMI Logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

## Features

- 1.0mm pitch, compact connector.
- Impedance-matching design for high-speed transmission.
- Grounding structure for excellent EMI control.
- Friction lock for easy insertion and removal of connector.

## Applicable Markets

LCD television, LCD projector, Set-top box, BD player, etc.

## General Specifications

- |  |   |
|--|---|
| ■ No. of Contacts: 19 pos.                           | ■ Rated Voltage: 0.5A max.                  |
| ■ Dielectric Withstanding Voltage :<br>AC 500V rms   | ■ Insulation Resistance: 100M $\Omega$ min. |
| ■ Operating Temperature:<br>-20 Deg. C to +85 Deg. C | ■ Impedance: 100 $\Omega$ $\pm$ 15%         |

## Materials and Finishes

### Receptacle

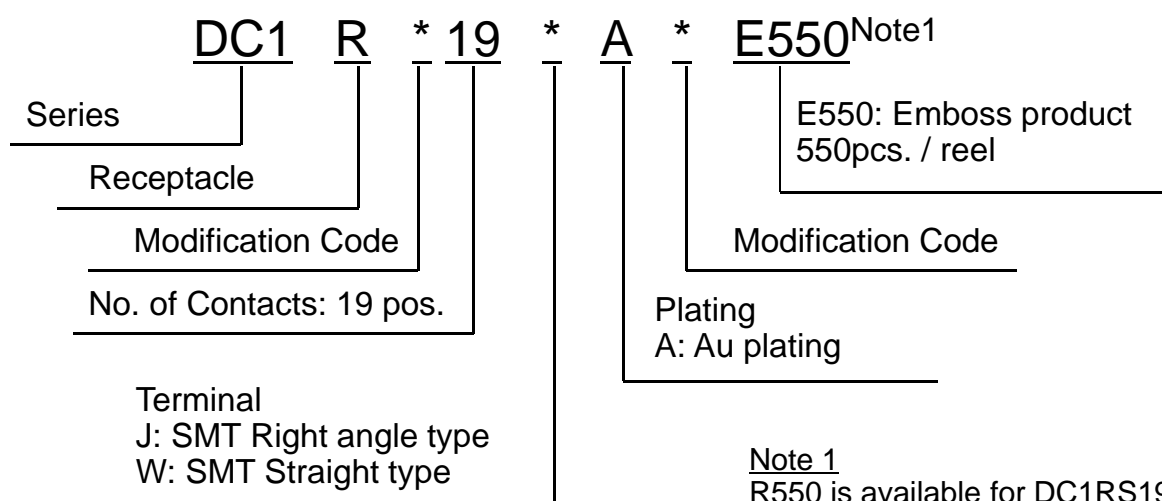
Component	Material / Finish
Insulator	Heat resistant plastic
Contact	Copper alloy / Au plating over Ni
Shell	Copper alloy / Sn plating

### Plug (for Cable Harness)

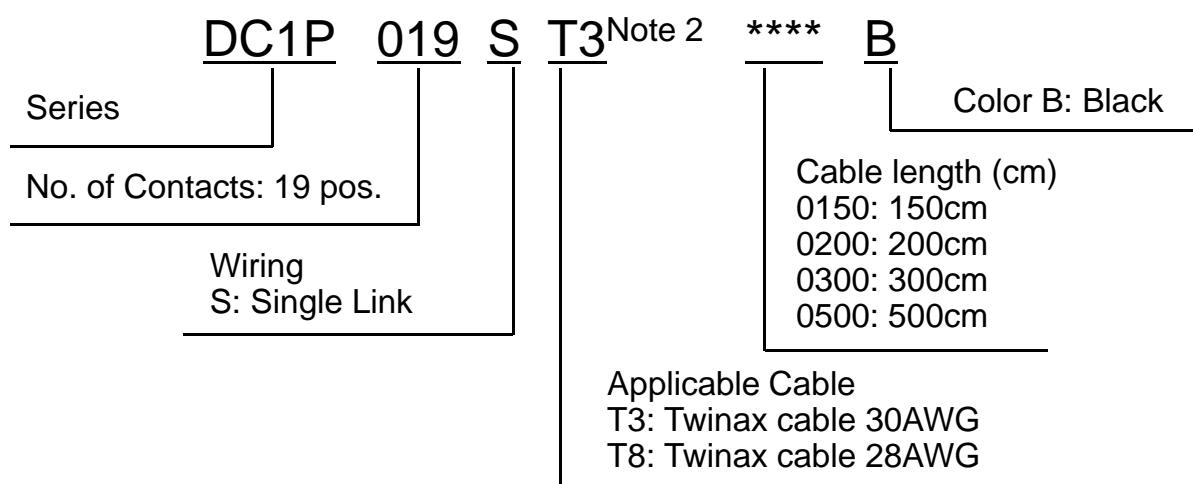
Component	Material / Finish
Insulator	Heat resistant plastic
Contact	Copper alloy / Au plating over Ni
Shell	Copper alloy / Sn plating
Hood	PVC / Color: Black (UL94V-0)

## Ordering Information

### •Receptacle



### •HDMI-HDMI Cable Harness

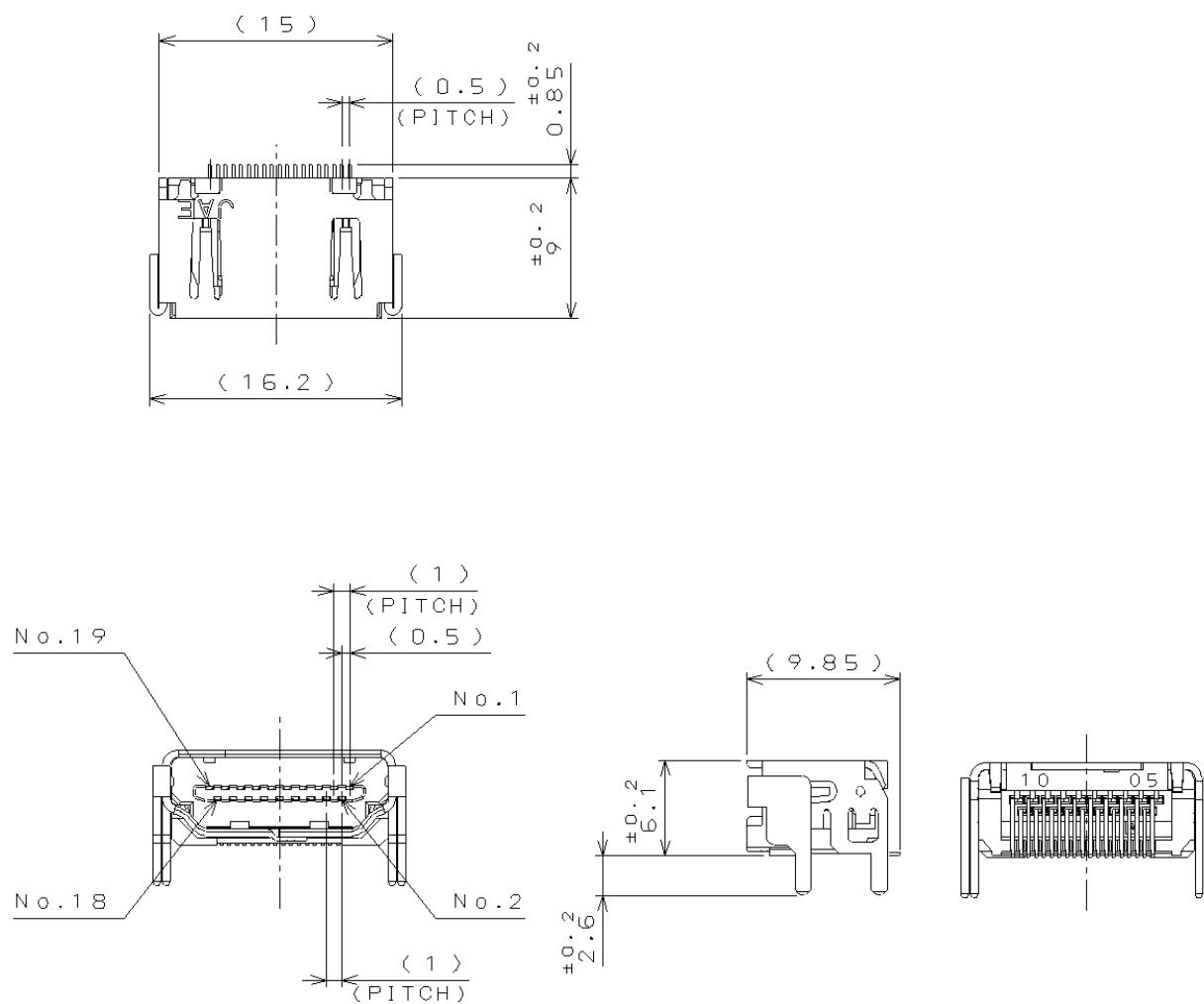


Note 2  
Cable Specification  
T3 is 150cm, 200cm, 300cm.  
T8 is 500cm.

## Dimensions and Shape

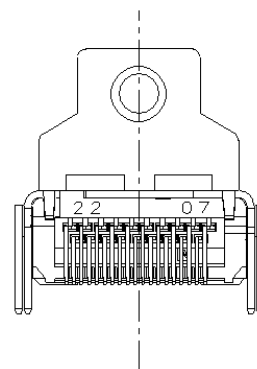
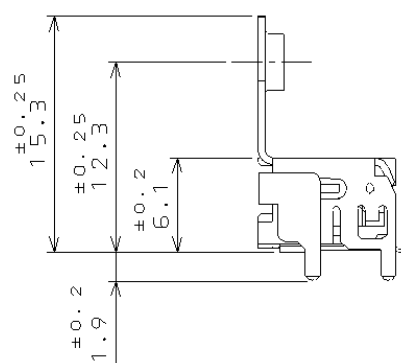
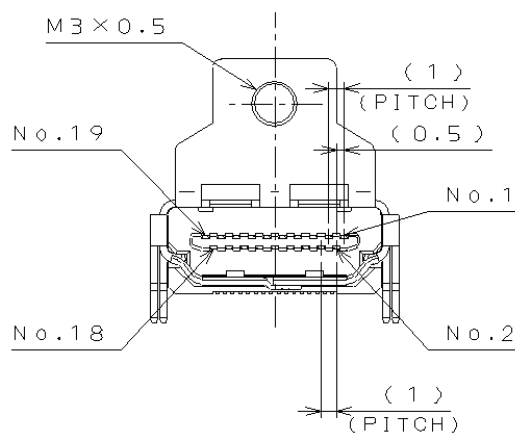
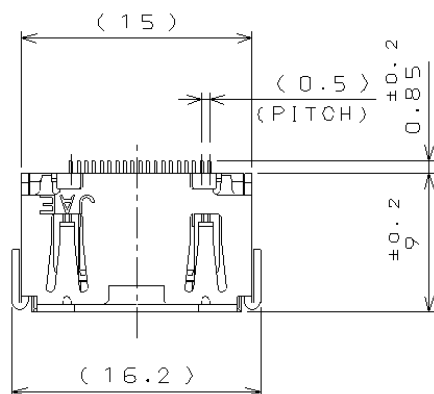
## Right Angle Receptacle

- DC1RS19JA7  
(SMT, without flange)



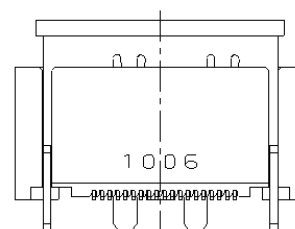
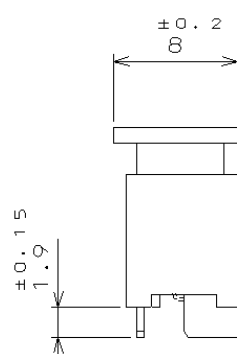
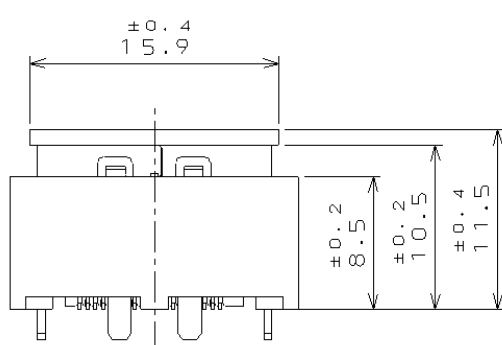
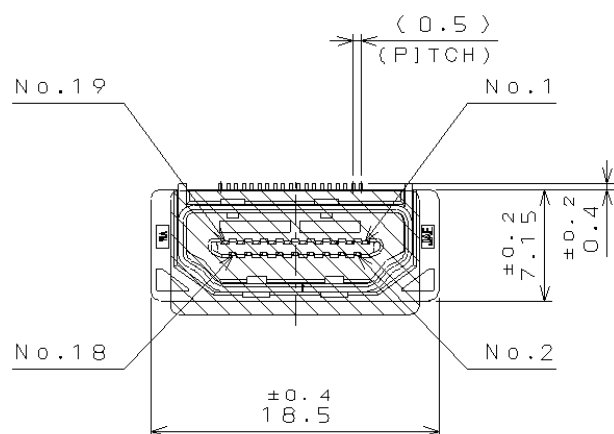
## Right Angle Receptacle

- DC1RS19JAX  
(SMT, with right angle flange)



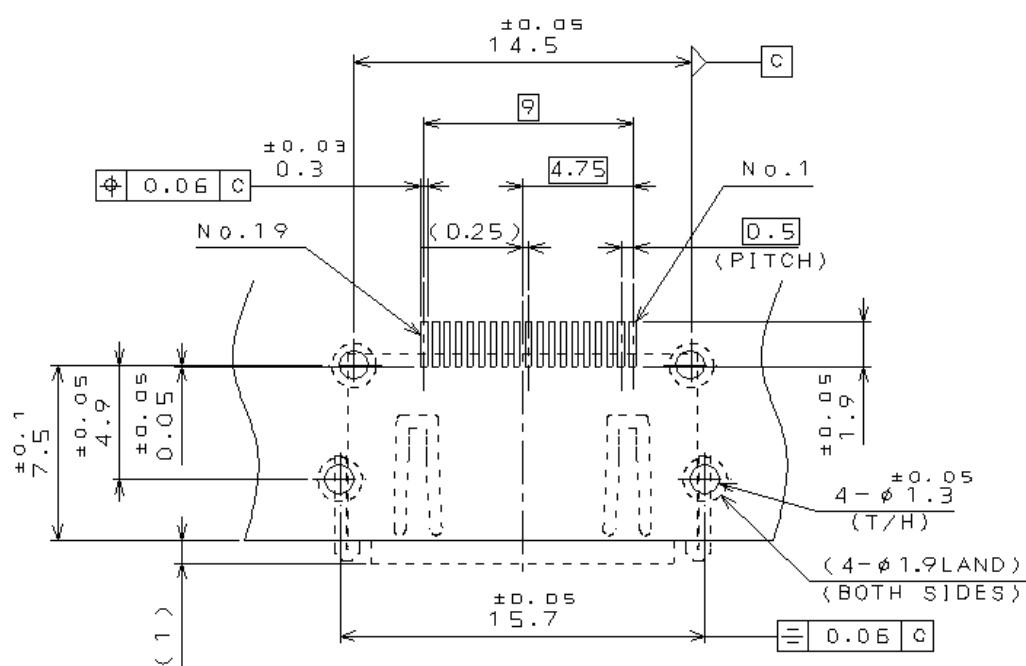
## Straight Receptacle

## •DC1RS19WA7

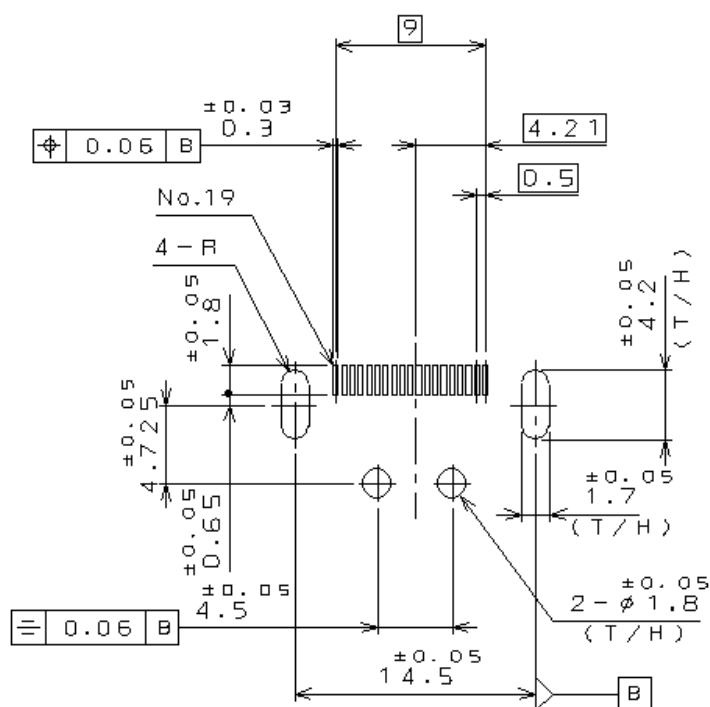


# Applicable Board Dimensions (for reference)

## • DC1RS19JA7, JAX

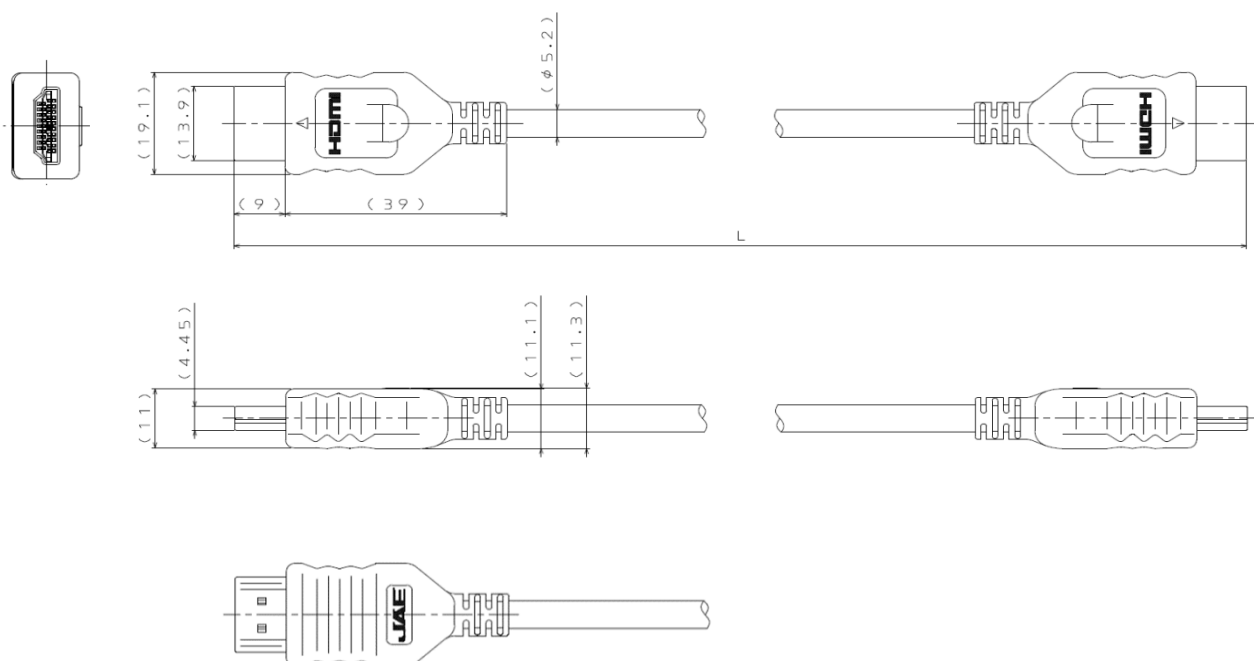


## • DC1RS19WA7



## HDMI-HDMI Cable Harness

## •DC1P019ST3\*\*\*\*B



Drawing Number
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## Receptacle

Connection	Mounting	Flange	Part Number	SJ Drawing	Specification
Right Angle	SMT	No	DC1RS19JA7	SJ112283	JACS-3289
		Yes	DC1RS19JAX	SJ112619	
Straight	SMT	Yes	DC1RS19WA7	SJ112330	

## Cable Harness

Cable Harness	Harness	Part Number	SJ Drawing	Specification
	HDMI-HDMI	DC1P019ST3****B	SJ038524	JACS-3289
		DC1P019ST8****B	SJ100180	

### •DC1 Series Connector, Cable Handling Instruction-----JABL-3289

**Notice:** Products shown in this brochure are made for the applications listed below. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.  
Recommended applications: Computers, Office machines, Measuring devices, Telecommunication devices (Terminals, Mobile devices), AV devices, Household applications, FA devices, etc.

**Japan Aviation Electronics Industry, Limited**

\* The specifications in this brochure are subject to change without notice. Please contact JAE for information.