

Recently, products with high-definition capability are becoming wide-spread in the portable device market.

The DC2 Series is a compact, small form factor connector compatible with the Type C HDMI Mini Connector standard for digital interface.

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

Features

■0.4mm pitch, 19 pos., compact connector

- Impedance-matching design compliant with high-speed transmission
- Pin assignment designed for low cross-talk
- Receptacle connector available with and without flange.
- ■Cable side is Category 2 certified HDMI compliant.

Cable with Type A and Type C connectors supplied as harness product.

Applicable Markets

High definition camcorder, digital still camera (single-lens reflex, compact), mobile phone, portable game device, etc.

General Specifications

- ■No. of contacts: 19 pos.
- Contact resistance: Contact area --- 60m ohm max., Shell area --- 30m ohm max.
- Dielectric withstanding voltage :AC 40V rms minute

■Operating temperature: -20 Deg. C to +85 Deg. C

■Rated voltage: 0.5A max. per contact

Mating cycles: 5,000 times

■Impedance: Contact area --- 100 ohm ± 25%

Connection area --- 100 ohm ± 15%, Cable area ---100 ohm ± 10%

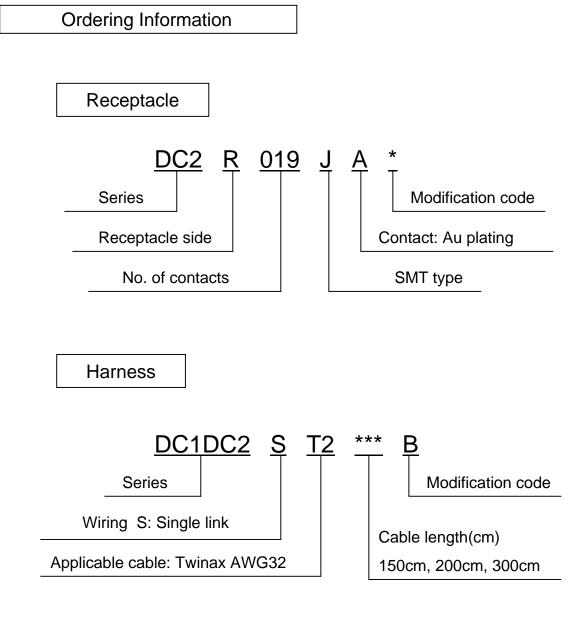
Materials and Finishes

Receptacle

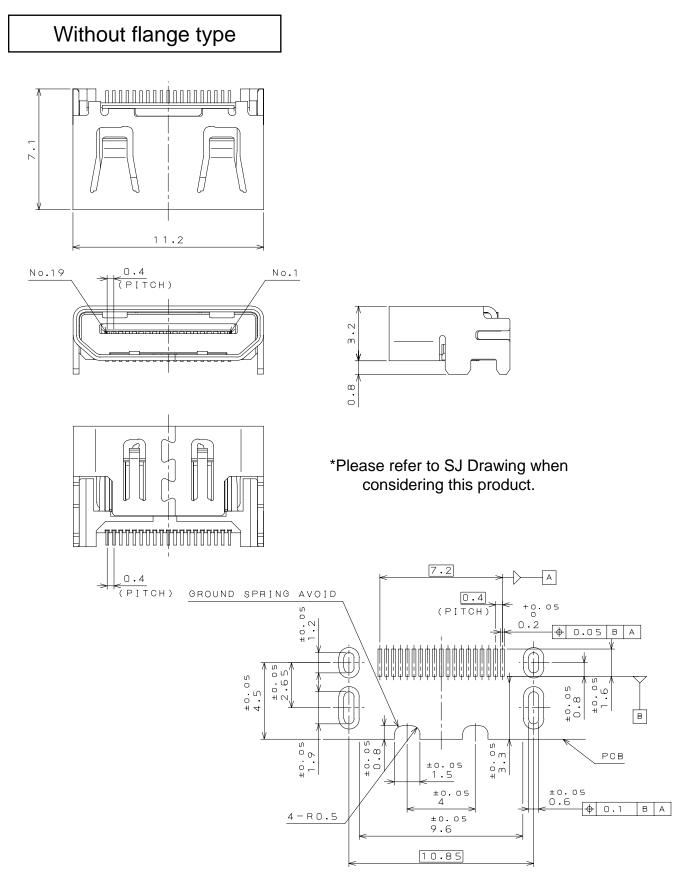
Component	Material/ Finish
Insulator	Heat resistant plastic
Contact	Copper alloy/ Au plating over Ni
Shell	Copper alloy/ Sn plating

Cable

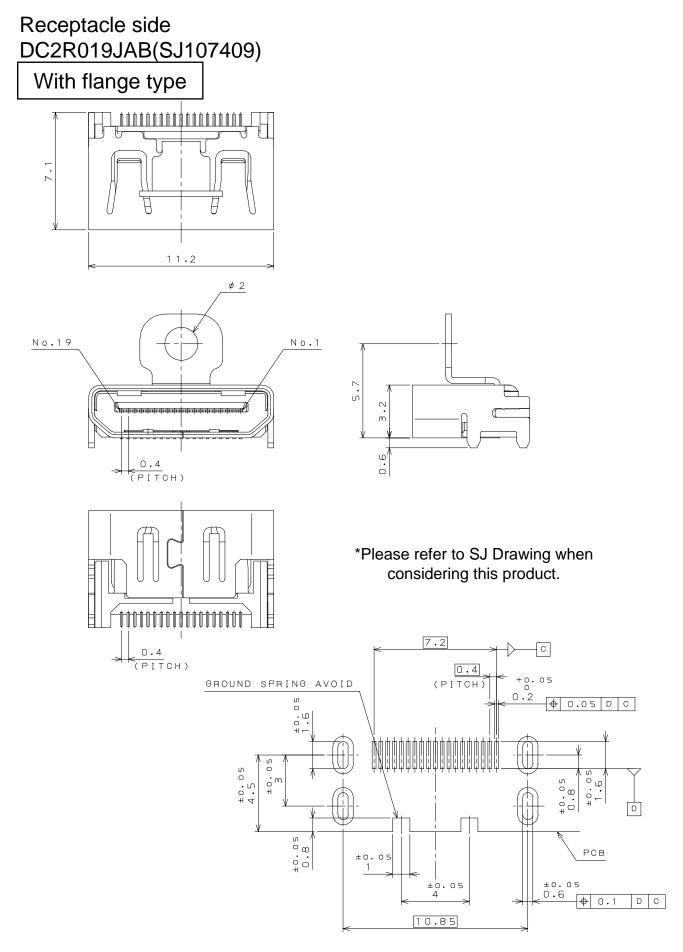
Component	Material/ Finish
Insulator	Heat resistant plastic
Contact	Copper alloy/ Au plating over Ni
Shell	Copper alloy/ Sn plating
Hood	PVC/ Color: Black (UL94V-0)



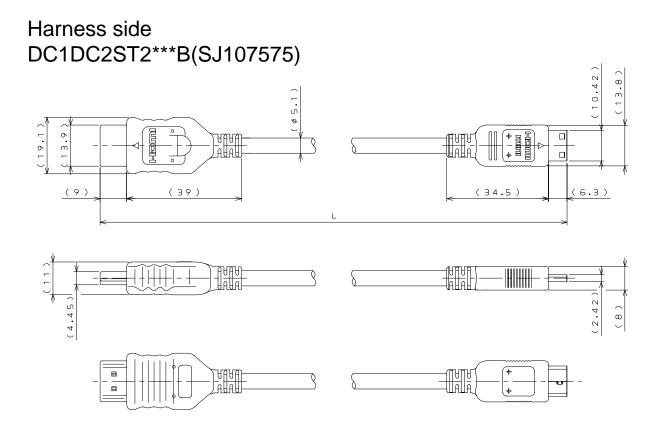
Receptacle side DC2R019JA3(SJ108063)



Applicable board dimension



Applicable board dimension



*Please refer to SJ Drawing when considering this product.

Japan Aviation Electronics Industry, Limited

Product Marketing Division Aobadai Building, 3-1-19, Aobadai, Meguro-ku, Tokyo 153-8539 Phone: +81-3-3780-2787 FAX: +81-3-3780-2946 **Notice:** Products shown in this leaflet 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.