

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

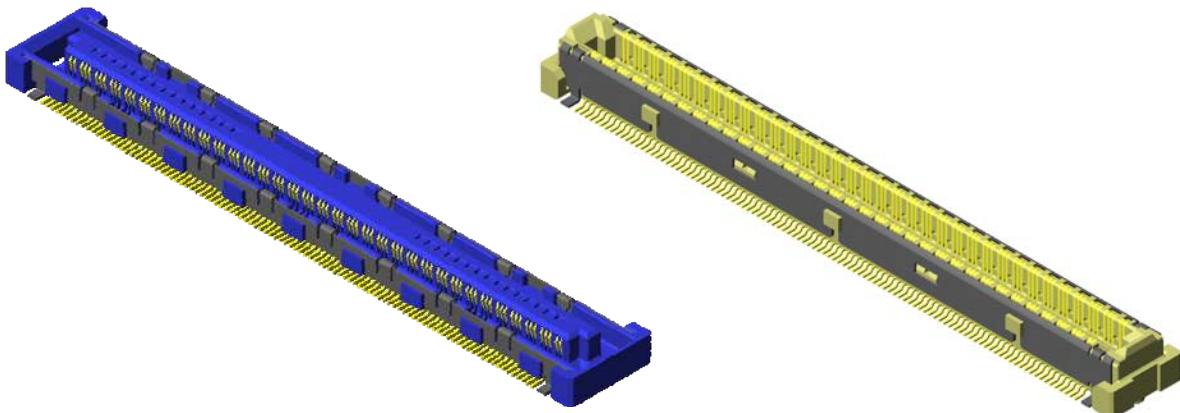
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Board to Board Connector Compatible to PCI Express
WB3 Series

CONNECTOR
 MB-0138-2
 July 2006

RoHS Compliant



WB3 Series are board to board connectors satisfying the specification of the transmission characteristics of PCI Express standard.

Suitable for connections between units that need TMDS transmission, such as graphic card and PCI Express.

Features

- Compliant with PCI Express Card Electrical Mechanical SPEC
- High density 0.5mm pitch type yet having a high level transmission characteristic and high speed transmission is possible.
- Contact configuration that enables transmission of PCI Express(X16), TMDS, VGA and others.
- Parallel board to board connection is possible. Stacking height, 4mm and 5mm are available.
- EMI shielding is applied.
- Compatible to automatic mounting. Available in embossed tape package.

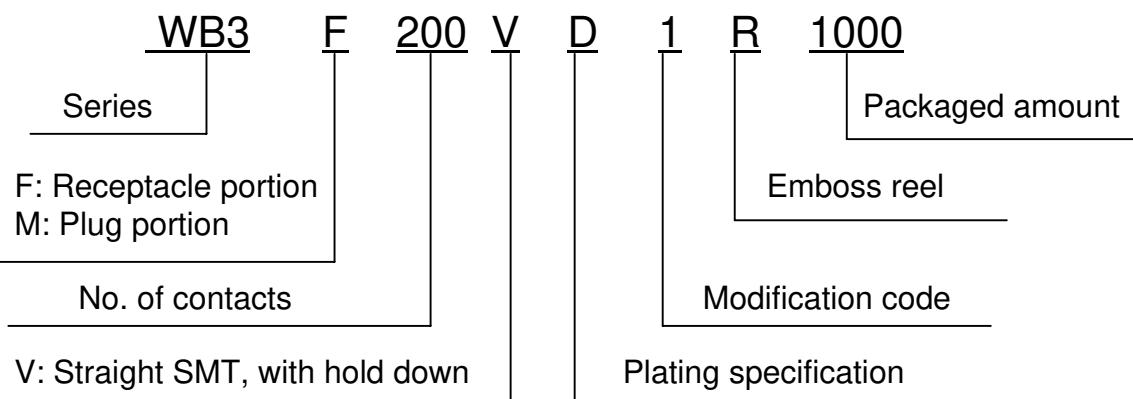
General Specifications

- No. of contacts: 200 pos.
- Contact resistance: 50m ohm max.
- Dielectric withstanding voltage: AC250V per minute
- Operating temperature: -40 Deg. C to +85 Deg. C
- Rated current: 0.5A/ per pin
- Mating cycle: 25 cycle
- Insertion loss: -1dB min. (1.25GHz max.)/-5dB min. (3.75GHz max.)
- Return loss: -12dB max. (1.3Ghz max.)/ -7dB max. (2Ghz max.)/ -4dB (3.75GHz max.)
- Crosstalk(near end): -32dB max. (1.25Ghz max.)/ -26dB max. (3.75GHz max.)

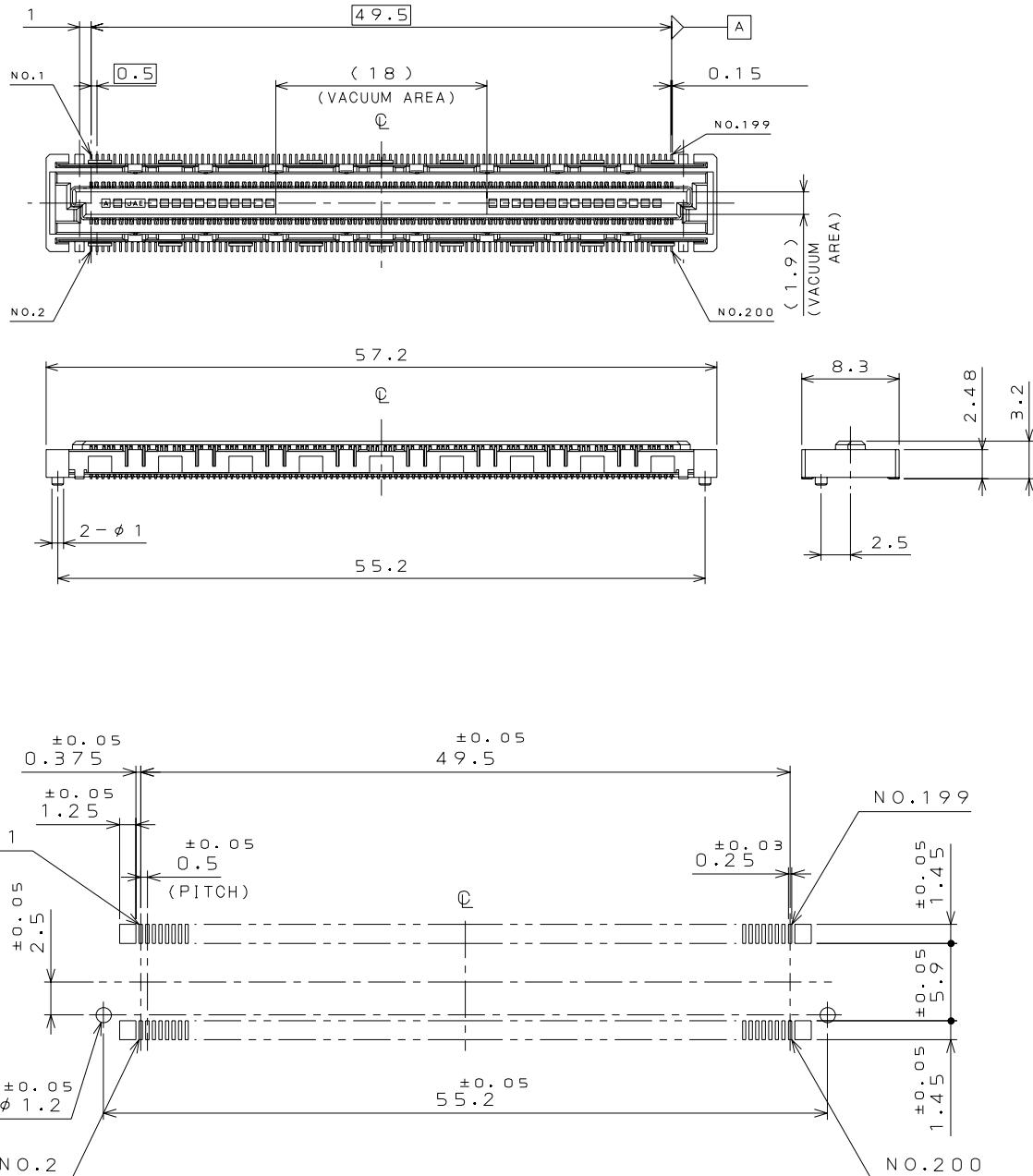
Materials and Finishes

Components	Materials /Finishes
Receptacle	
Contact	Copper Alloy/ Contact: 0.76um min. Au plating over Ni Terminal: Au flash plating over Ni
Insulator	Thermoplastic resin UL94V-0 black
Shell	Copper alloy: Tin plating
Plug	
Contact	Copper Alloy/ Contact: 0.76um min. Au plating over Ni Terminal: Au flash plating over Ni
Insulator	Thermoplastic resin UL94V-0 black
Shell	Stainless steel: Tin plating

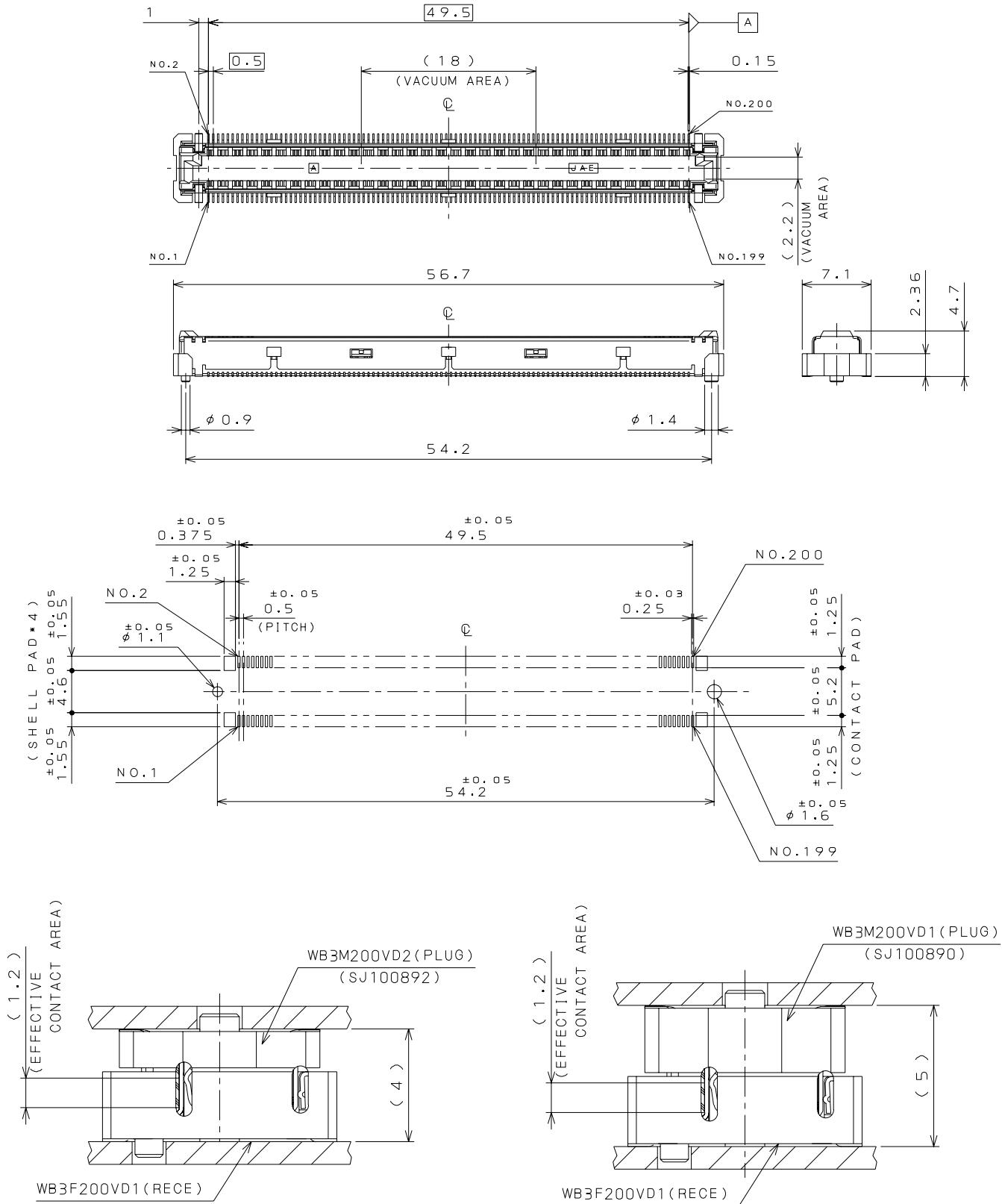
Ordering Information



Receptacle side: WB3F200VD1 (SJ100888)
 Embossed reel product: WB3F200VD1R1000 (SJ100889)



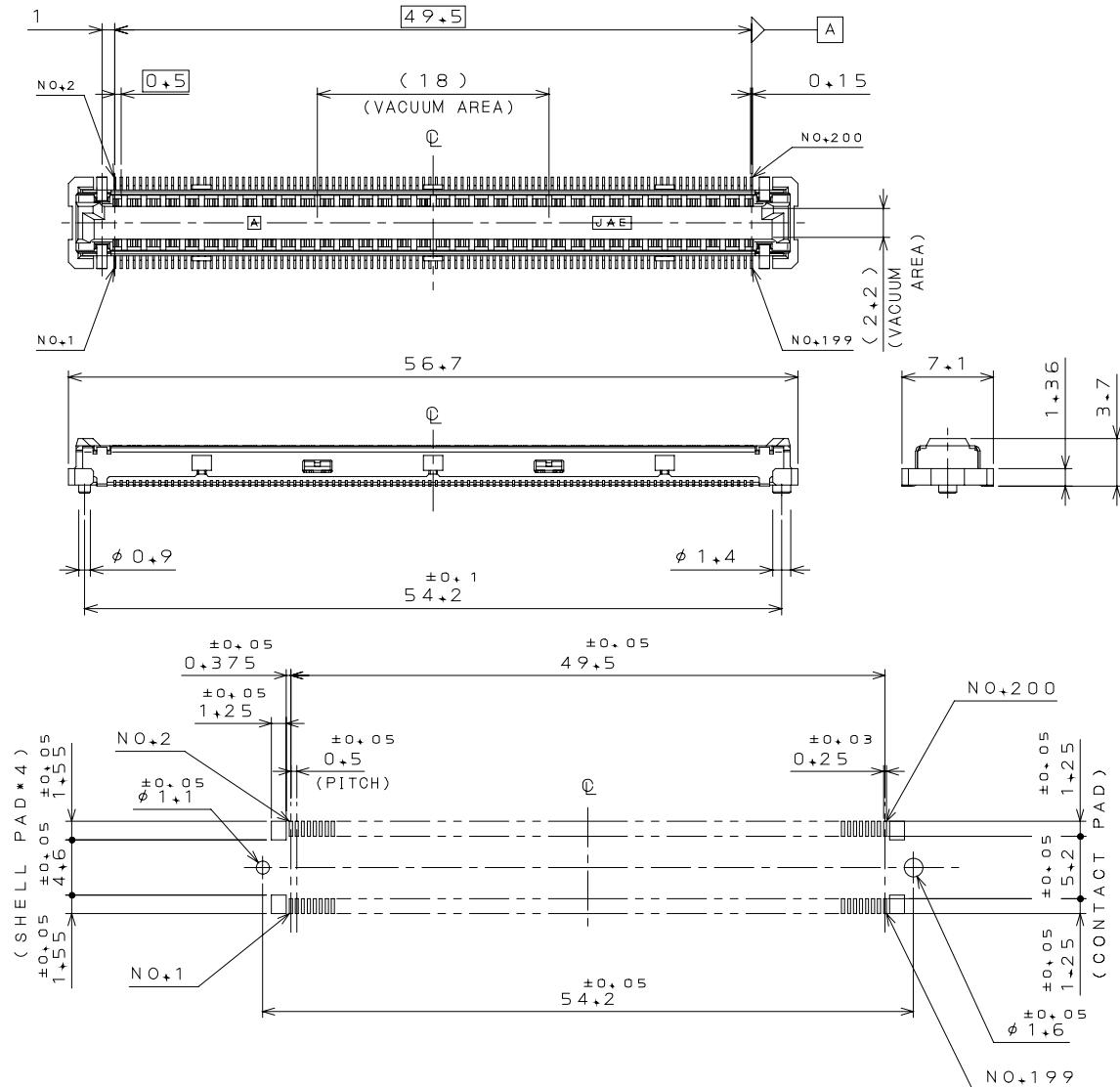
Plug side: WB3M200VD1 (SJ100890)
Embossed reel product: WB3M200VD1R800 (SJ100891)



Unit: mm

Plug side: WB3M200VD2 (SJ100892)

Embossed reel product: WB3M200VD2R1000 (SJ100893)



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.

* The specifications in this brochure are subject to change without notice. Please contact JAE for information.
JAE PMK Div. Proprietary. Copyright © 2006, Japan Aviation Electronics Industry, Ltd.