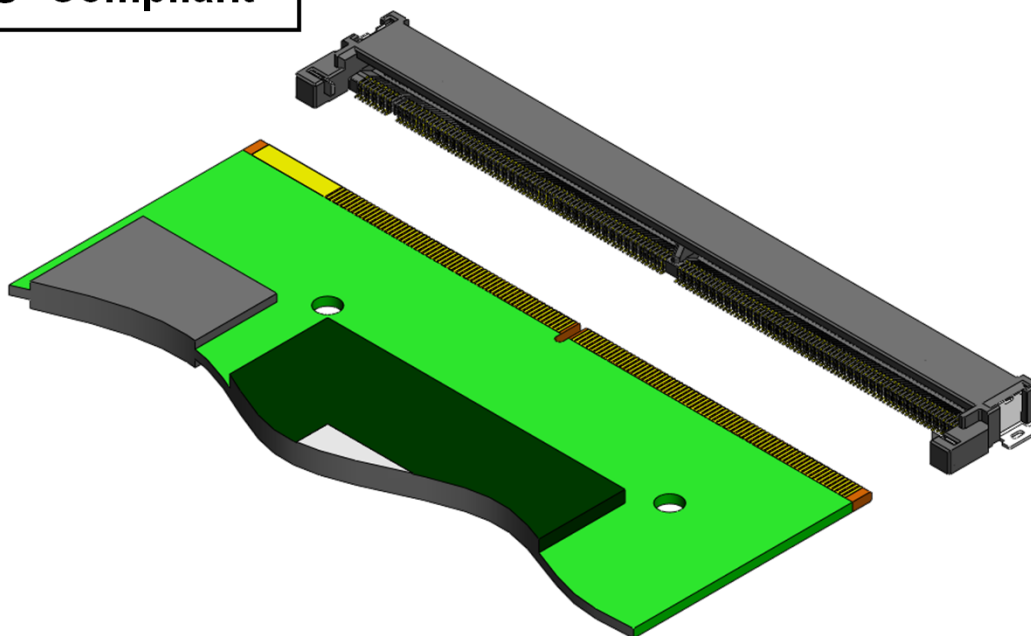




MXM3.0 Compatible Connector MM70 Series

CONNECTOR
MB-0207-2
April 2010

RoHS Compliant



The MM70 series is a graphics board connector compatible with the MXM3.0 standard. It can be used to connect add-in MXM3.0 modules (graphics boards) in order to improve the graphics processing performance of personal computers.

Features

- Mating area is 0.5mm pitch, with two-layer upper and lower structure.
- Compatible with MXM3.0 standard. (Card edge type).
- Contact size: available in 2 types
 - 6.7mm height, 12.20mm depth, and 89.9mm width. (3.0mm board height)
 - 4.3mm height, 12.75mm depth, and 89.9mm width. (1.5mm board height)
- Precision positioning stopper for MXM3.0 module prevents contact failure.

General Specifications

- No. of Contacts: 314 pos. equivalent (310 pos.)
- Contact Resistance: 55m Ω max. (initial), 80m Ω max. (after test)
- Dielectric Withstanding Voltage: AC 250Vr.m.s (per minute)
- Rated Current: 0.5A per pin
- Insulation Resistance: 50M Ω min. (after test)
- Durability: 30 times
- Operating Temperature: -40 to +85 Deg. C

Materials and Finishes

Component	Material / Finish
Insulator	Heat resistant plastic
Contact	Copper alloy / contact area: 0.1μm min. Au plating over Ni
Hold down	Copper alloy / Sn plating over Ni
Stopper	Copper alloy / Sn plating over Ni

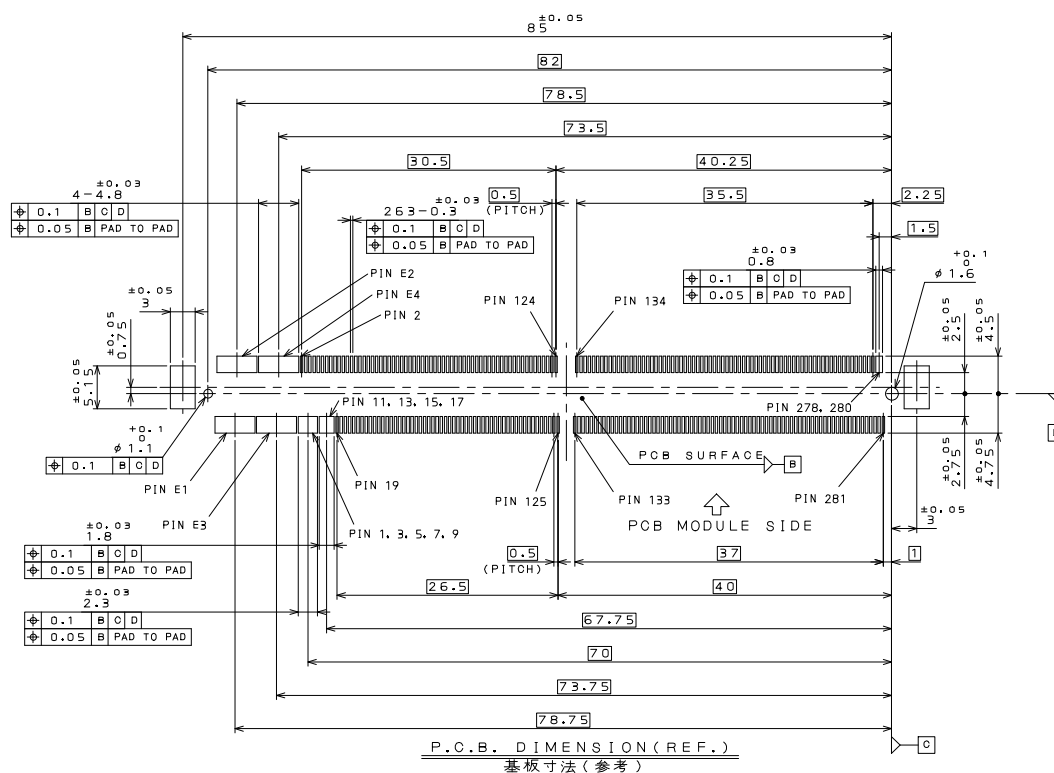
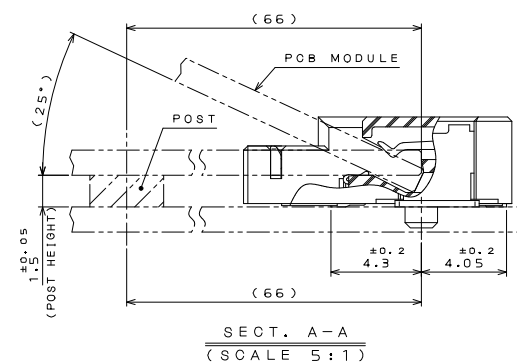
Ordering Information

MM70- 314 - 310 B 2 - *

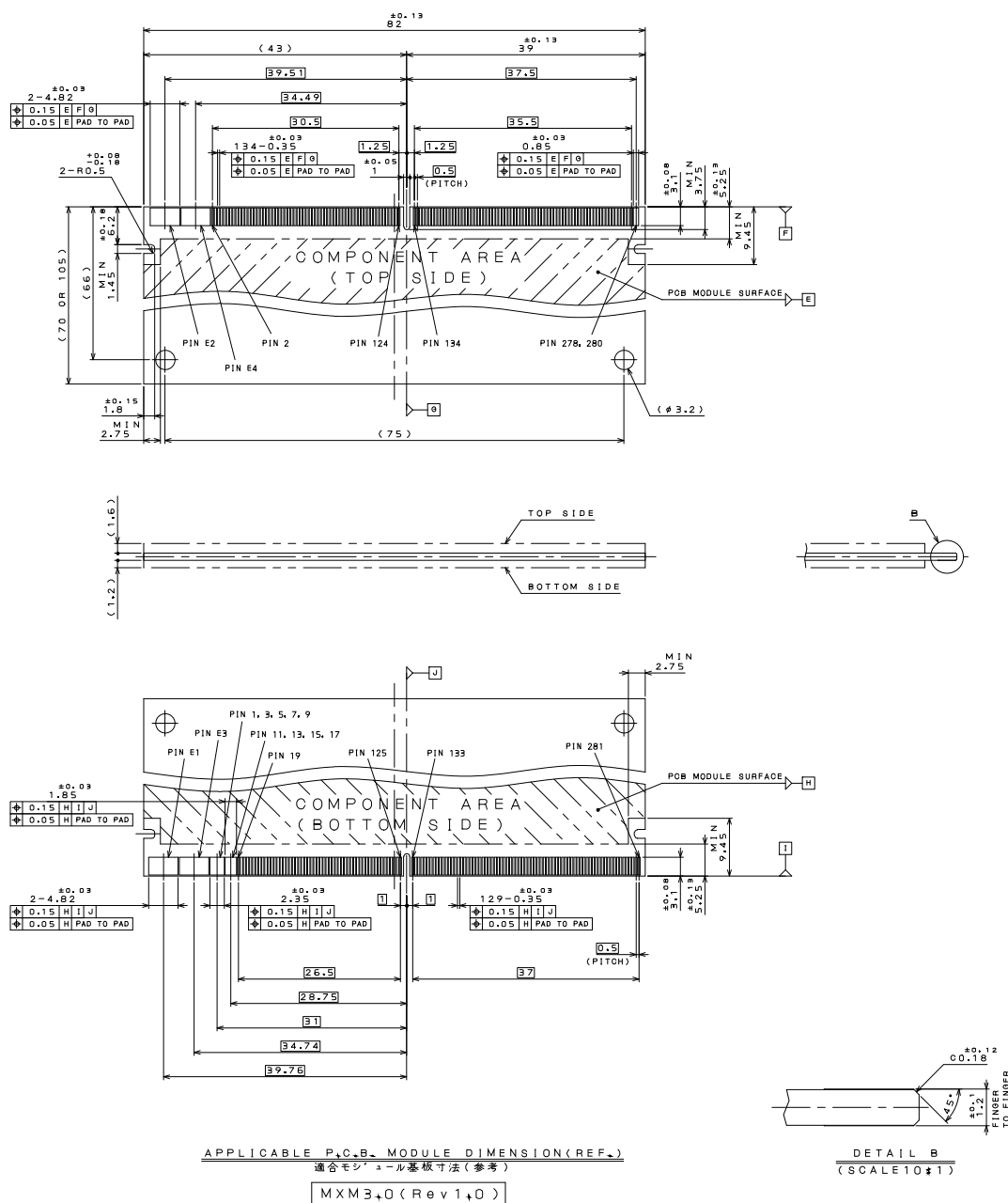
Series	Standard No. of Contacts	Utilized No. of Contacts	Socket type, angle insertion type	Modification code 1. Board height: 3.0mm 2. Board height: 1.5mm	Contact finish 1: 0.1μm min. Au plating over Ni 2: 0.3μm min. Au plating over Ni

Drawing No.

Part Number	SJ Drawing	Specification
MM70-314-310B2-1	SJ109148	JACS-10543
MM70-314-310B2-2		
MM70-314-310B1-1	SJ109265	
MM70-314-310B1-2		



Applicable dimensions of module board (for reference)



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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.

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