

NEW



0.8mm pitch bay connector

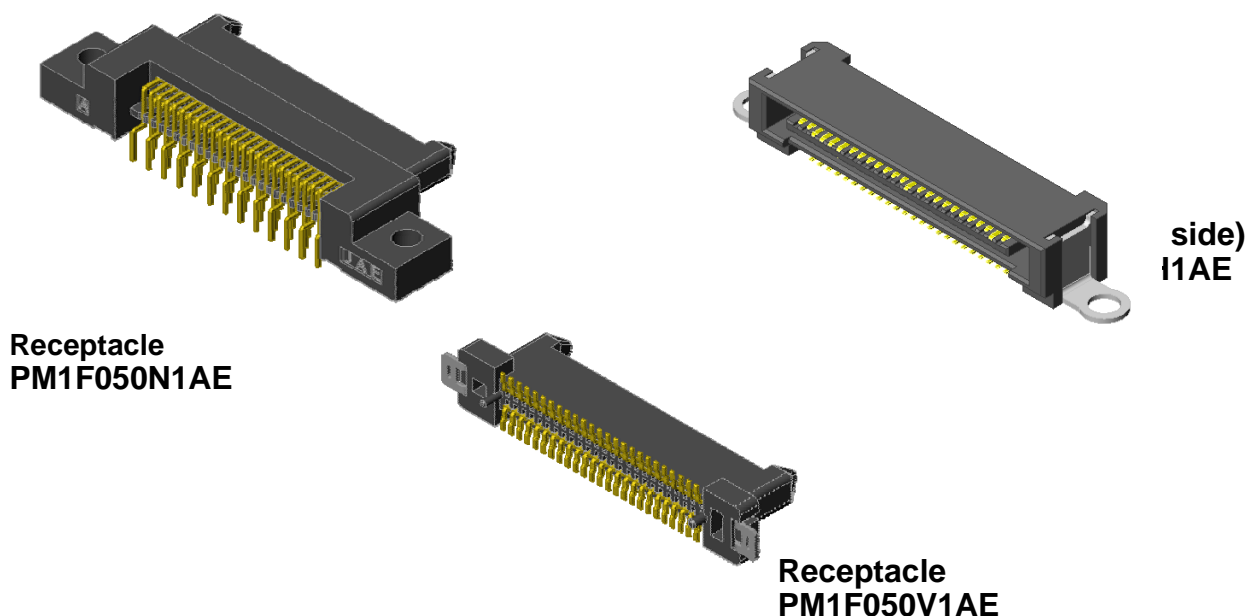
CONNECTOR

MB-0089-3

July 2006

PM1 Series

RoHS Compliant



PM1 series is a bay connector compatible with optical drive 9.5mm thick.

Features

- Connector height 5.4mm, low profile board to board bay connector.
- Plug side (PM1M050H1AE) with 2-step contact length-insertion structure.
Compatible to 2-step contact length-insertion structure (step difference: 0.4mm)
by 2 contact types (contact length 3.1mm and 2.7mm)
- Superior displacement error absorption structure
Insertion guide absorbs the displacement caused by insertion and removal from drive.
- Lifetime 7000 times, achieved
- Plug side (PM1M050H1AE) can be mounted to board in common with KX15-50KLDP.
(There is no mating compatibility between PM1series and KX14/15 series connectors)

General Specifications

- | | |
|---|---------------------------------------|
| •No. of contacts: 50 pos. | •Rated current: 0.5A per contact |
| •Contact resistance: 70m ohm max. | •Insulation resistance: 100M ohm min. |
| •Dielectric withstanding voltage:
AC 250 Vr.m.s (per minute) | •Life time: 7000 times |
| •Contact pitch: 0.8mm | •Rated voltage: AC125V.r.m.s |
| •Operating temperature: -40 to+85 Deg. C | |

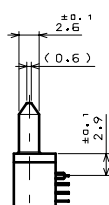
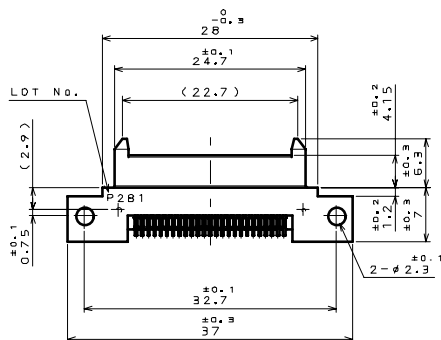
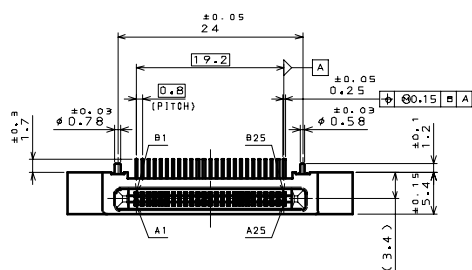
Materials and Finishes

Componets	Materials	Finishes
Base Insulator	LCP filled with heat-resistant plastic glass	None(UL94V-0), Black
Contact	Copper alloy	Contact area: Au plating Terminal area: Sn plating over Ni
Reinforcement	Copper alloy	Sn type plating

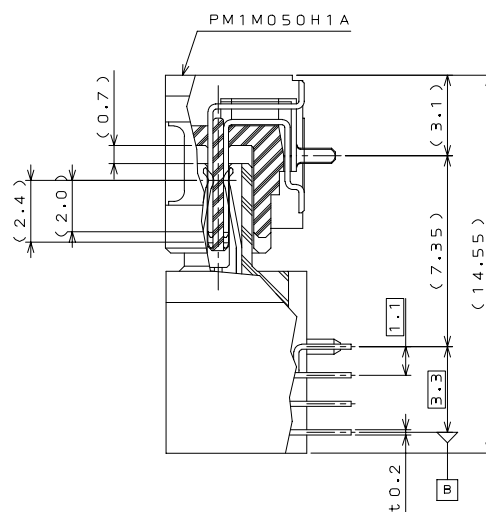
Ordering Information

PM1	F	***	N	1	A	E
Series	Contact type F: Spring side Receptacle side	No. of contacts	Connection type N: Angle through-hole/ without kink		Modification	Pb-free product

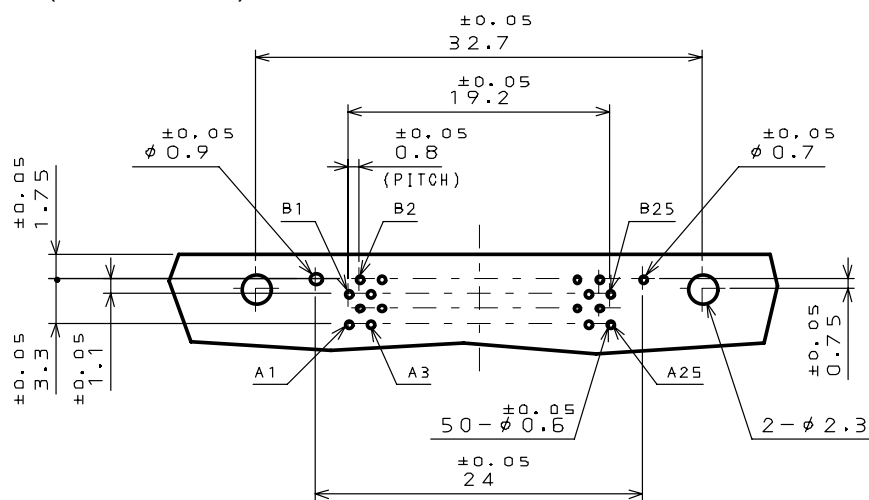
Part Number	PM1F050N1AE
Drawing Number	SJ101417



Drawing when mated (for reference)



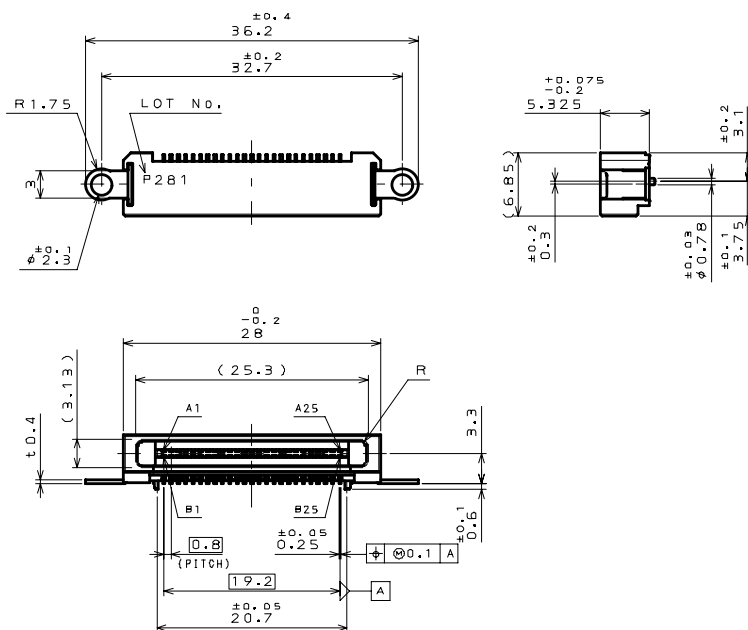
Applicable dimension of board (for reference)



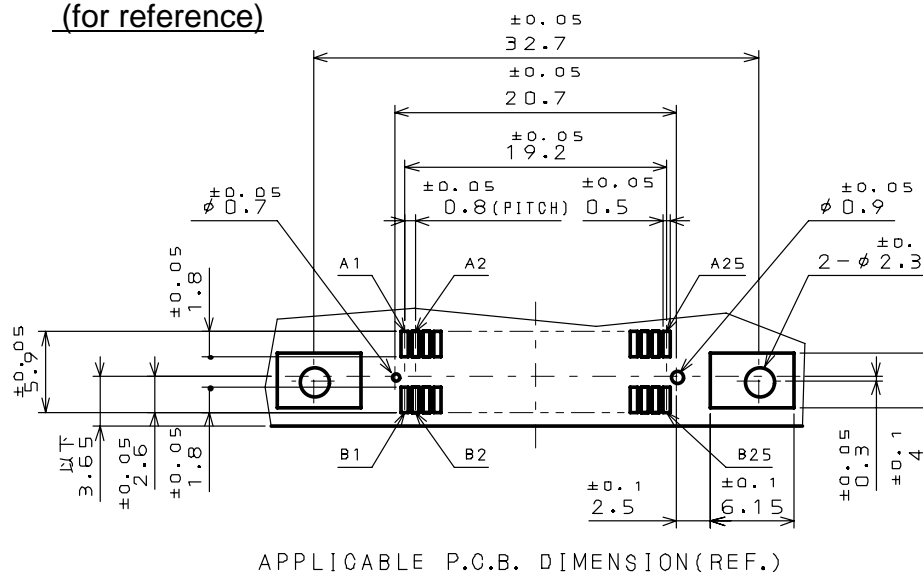
APPLICABLE P.C.B. DIMENSION (REF.)

Ordering Information

PM1	M	***	H	1	A	E
Series						Pb-free product
Contact type M: Pin side Plug side					Modification	
No. of contacts					Contact finish 1: Au plating over Ni	
Part Number	PM1M050H1AE					
Drawing Number	SJ101418					
					Connection type H: Angle SMT/ with hold-down	



Applicable dimension of board
(for reference)



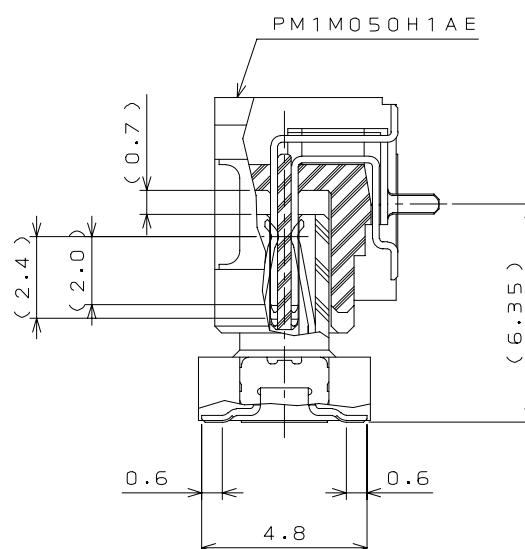
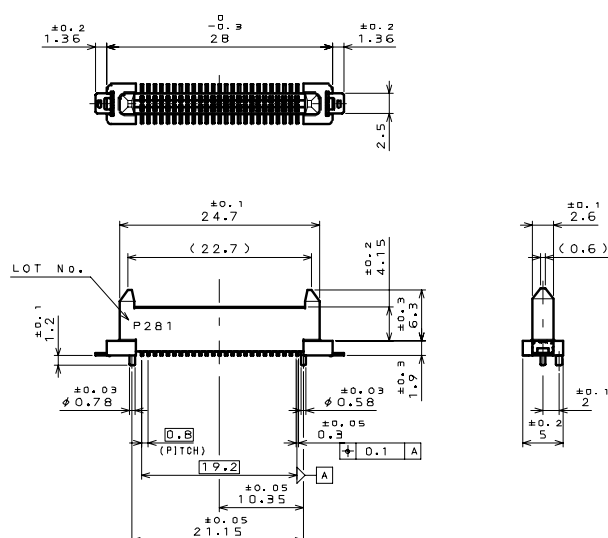
Note1) An embossed tape reel contains 1,000 pieces.
Please contact us for details of embossed tape specifications.

Ordering Information

PM1	F	***	V	1	A	E
Series	Contact type F: Spring side Receptacle side	No. of contacts	Connection type V: Straight SMT/ with hold-down	Modification	Pb-free product	Contact finish 1: Au plating over Ni
Part Number	PM1F050V1AE					
Drawing Number	SJ101423					

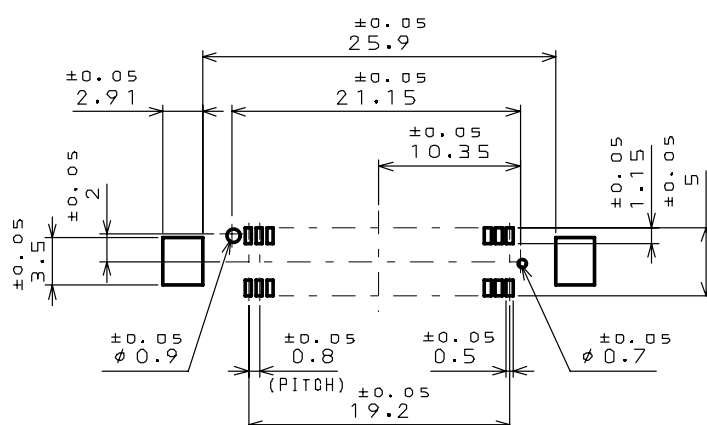
Drawing when mated

(for reference)



Applicable dimension of board

(for reference)



APPLICABLE P.C.B. DIMENSION(REF.)

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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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