

NEW



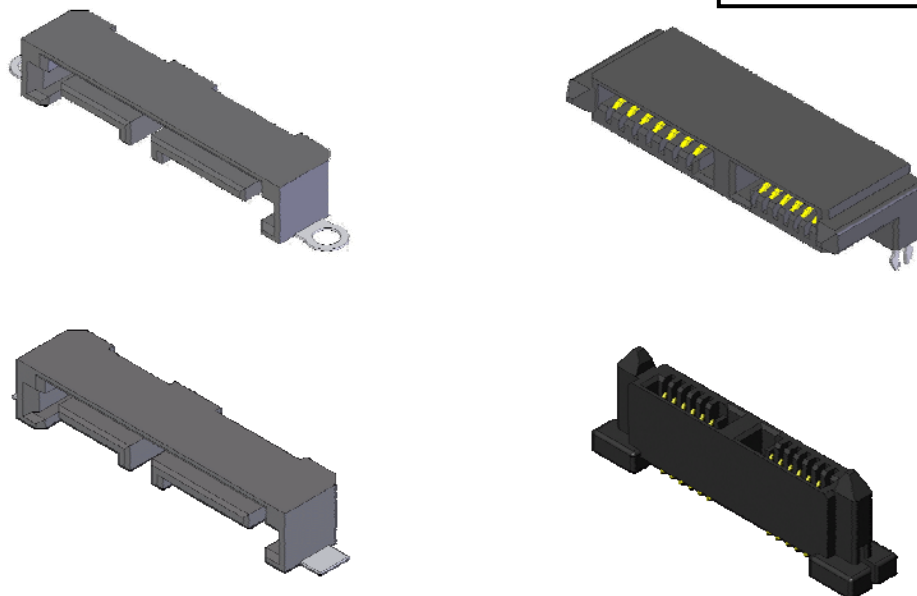
PM2 Series

CONNECTOR

MB-0184-1

June 2008

RoHS Compliant



JAE has developed the PM2 Series, an interface connector compatible with the Slimline SATA (Serial ATA) standard for ODD (Optical Disk Drives) in notebook PCs.

Features

- Signal Area: 13 contacts:
7 signal contacts at 1.27mm pitch, 6 power contacts at 1.0mm pitch
- ODD Side: Screw-fix and hold-down solder types available
Contact area plating thickness options: 0.1, 0.3, 0.76 μ m
- PC Side:
Straight type (designed for FPC mounting)
Angle type (designed for board mounting): Standard mounting height 2.25mm
Reverse mounting height 4.6, 6.5, 7.9mm
*Height from board to center of connector guide.

General Specifications

- | | |
|---|---|
| ■No. of Contacts: 13 pos. | ■Rated Current: 1.5A per contact |
| ■Contact Resistance:
30m ohm max. (initial) | ■Insulation Resistance:
1000M ohm min.(after test) |
| ■Dielectric Withstanding Voltage:
AC 500V per minute | ■Durability: 500 times |
| | ■Operating Temperature:
-40 Deg. C to +85 Deg. C |

Materials and Finishes

Component	Material/ Finish
Insulator	Glass filled LCP
Contact	Copper alloy/ plating of connection area ODD side 0.1, 0.3, 0.76 μm System side (PC Side) 0.3 μm
Hold-down	Copper alloy/ Sn plating over Ni (Specification of screw type and hook type in common)

Ordering Information

PM2 B 013 H S 1

Modification code

ODD side fixing 1: Screw-fix type

2: Hold-down type

System side (PC side)

Modification code including height

Plating P: 0.1 μm , Q: 0.3 μm , S: 0.76 μm

H: Through-hole, horizontal connection, angle type

V: SMT, vertical connection, straight type

N: SMT, horizontal connection, angle type

No. of Contacts: 13 pos.

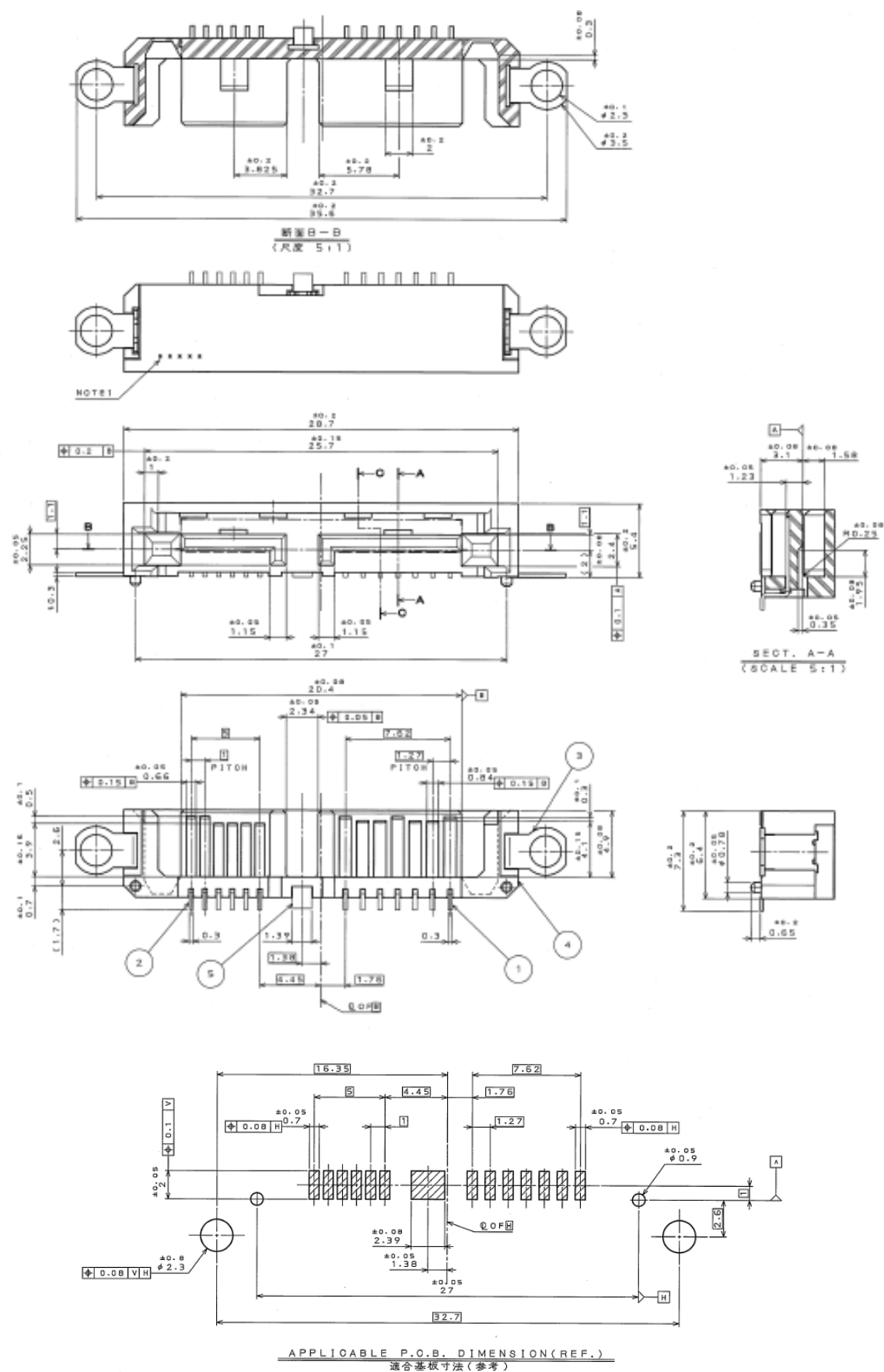
B: ODD side

R: System side (PC side)

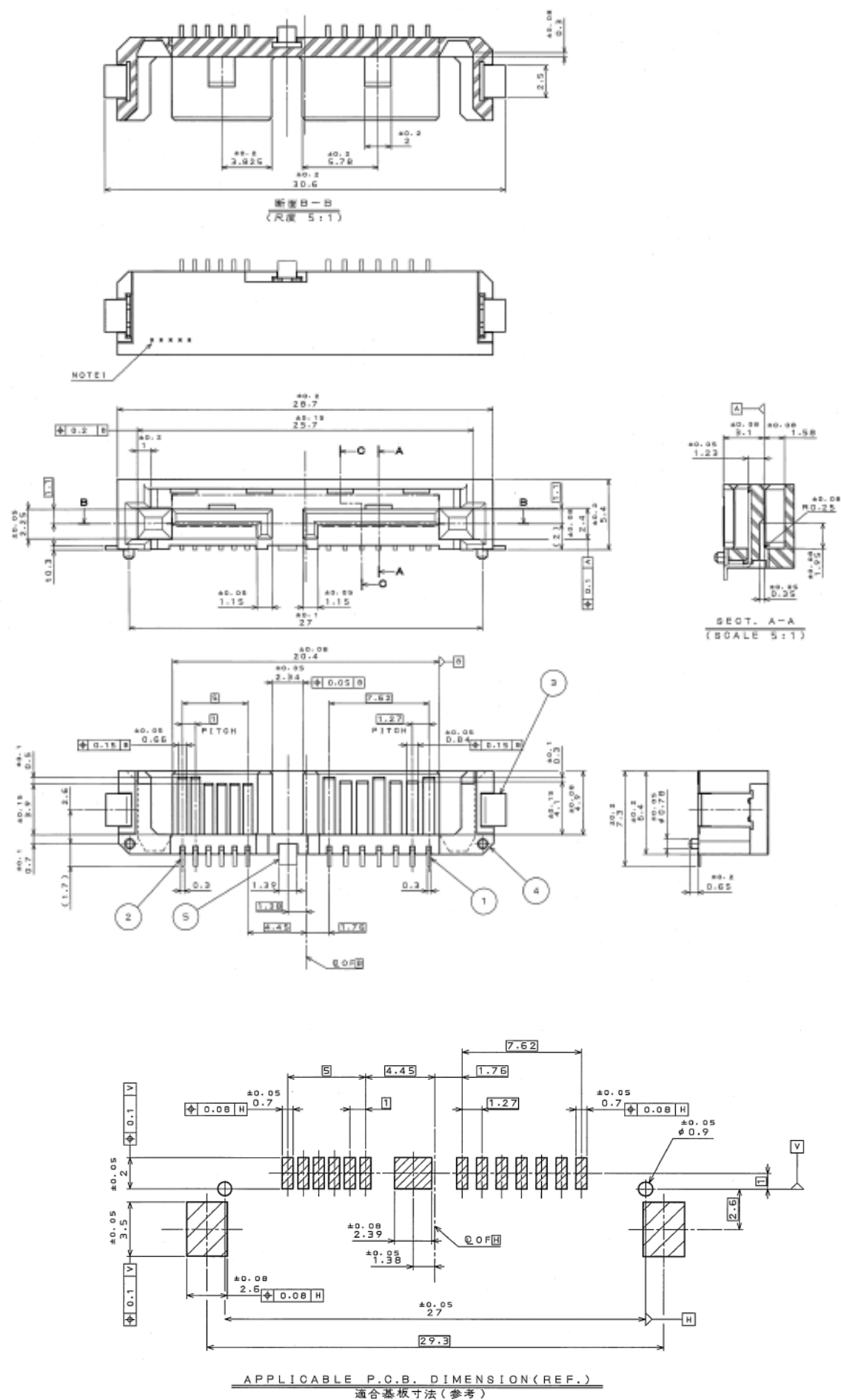
Series: PM2

Product Drawing

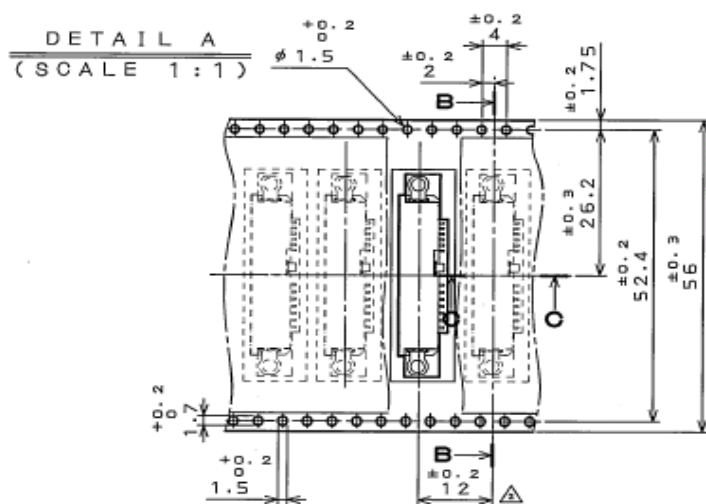
■ PM2B013H*1



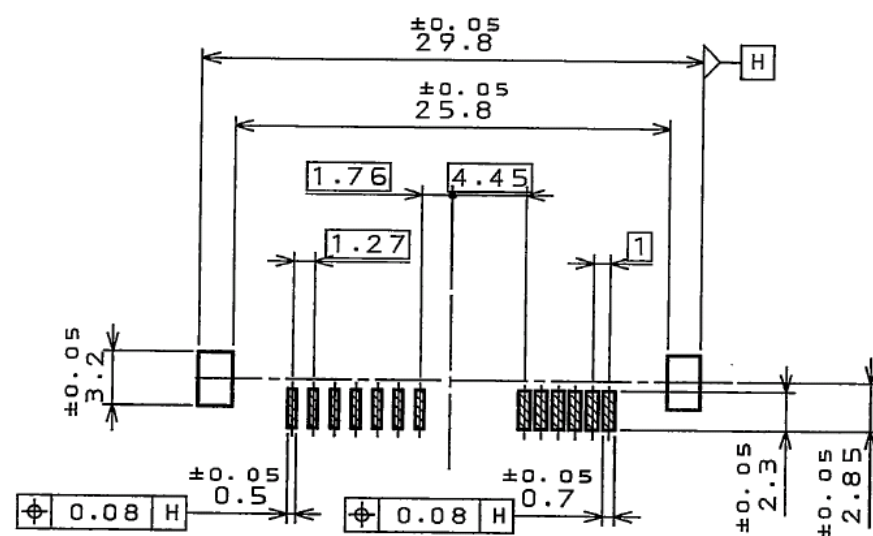
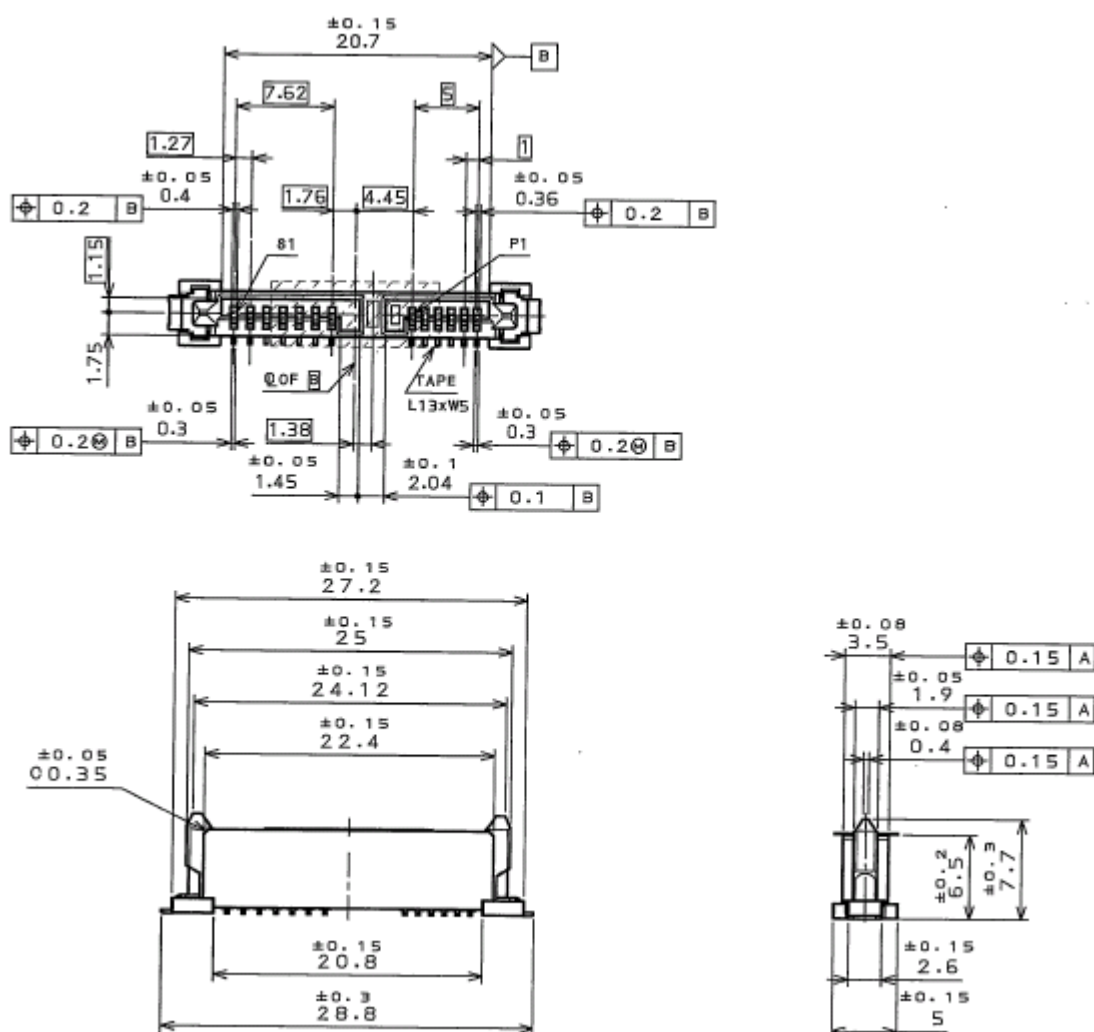
PM2B013H*2



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■PM2R013VQ2



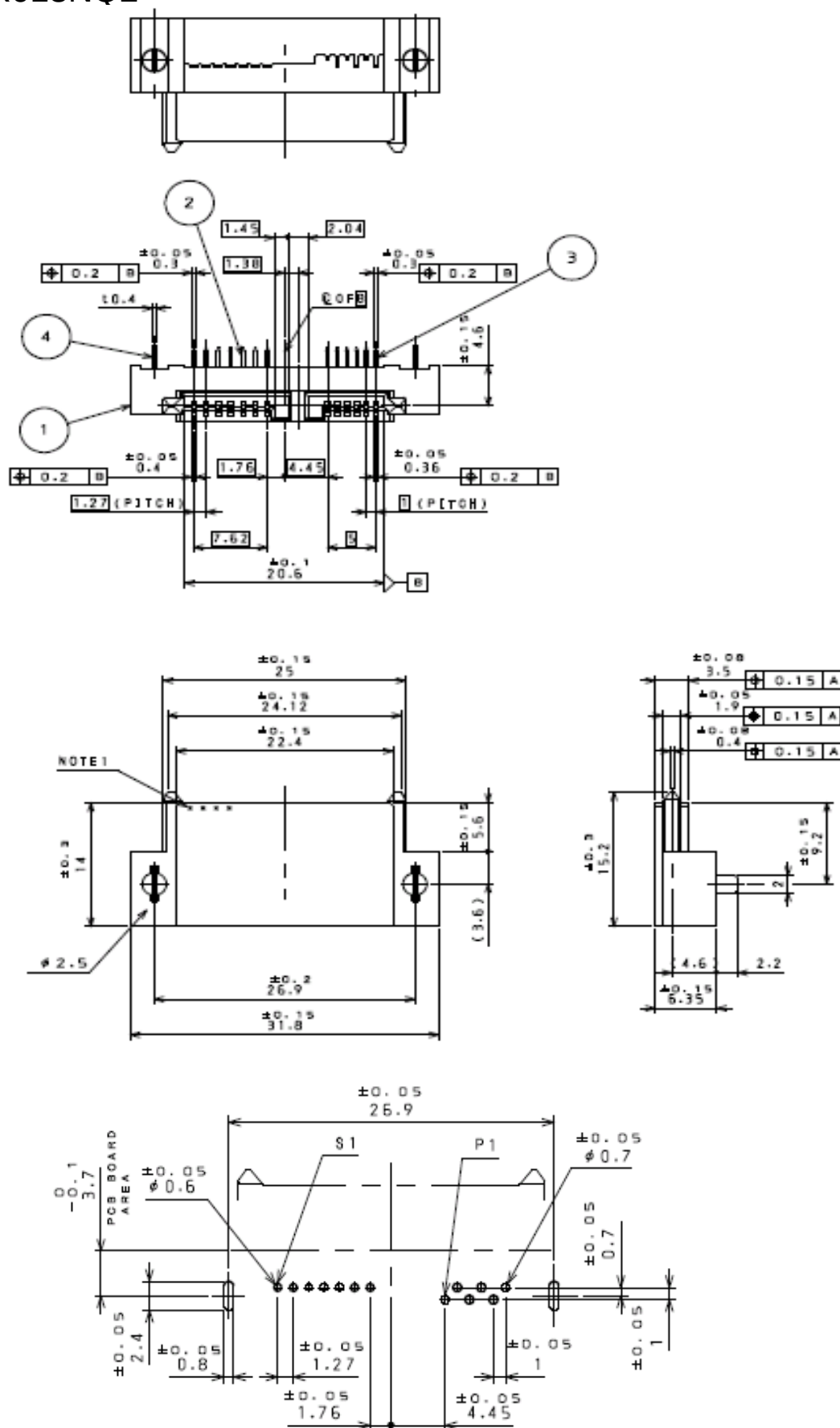
APPLICABLE P.C.B. DIMENSION (REF.)
適合基板寸法 (参考)





REFERENCES

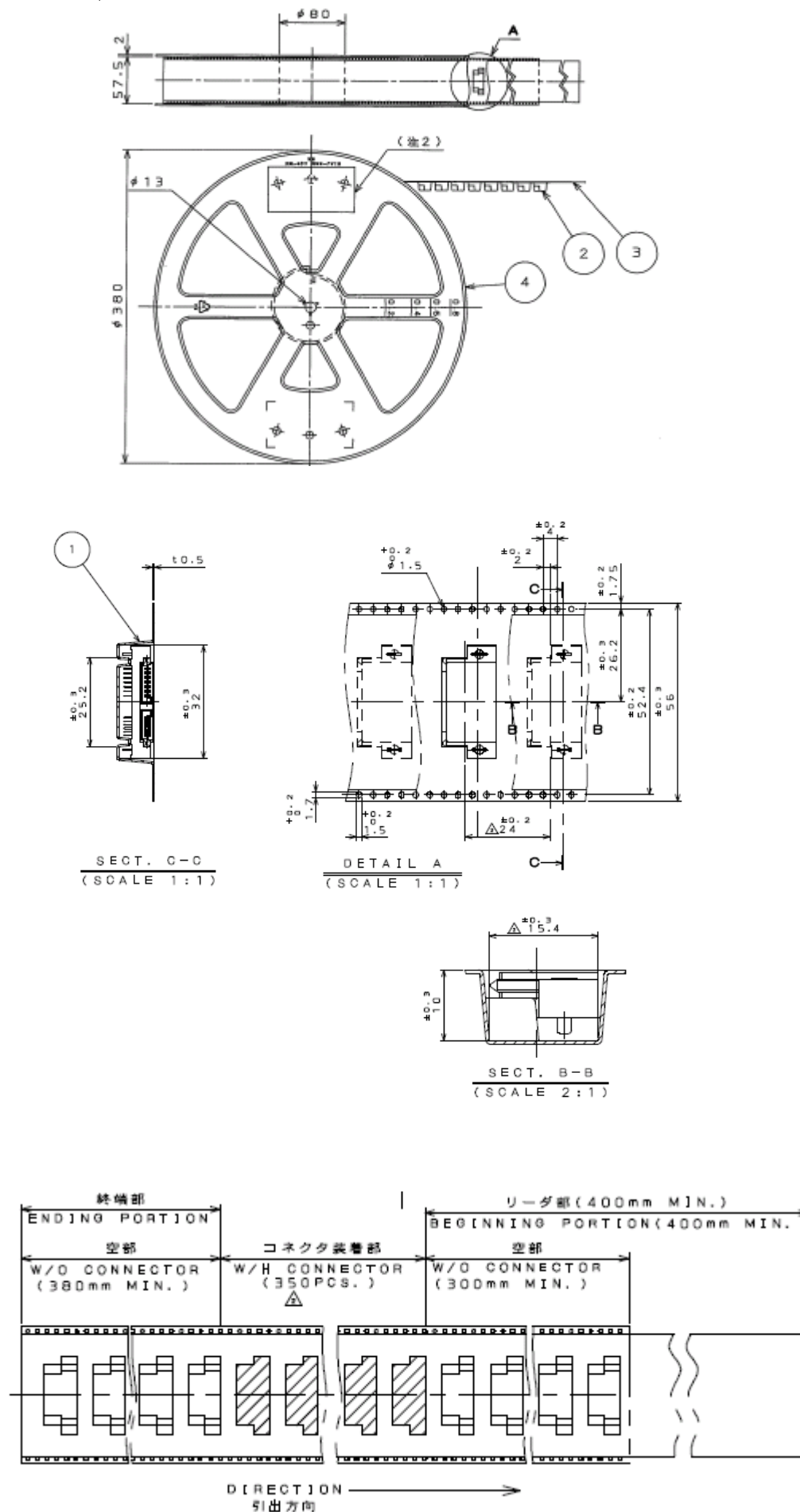
■PM2R013NQ2

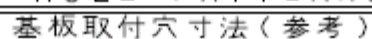


P.C.B. HOLE PATTERNS (REF.)

基板取付穴寸法 (参考)

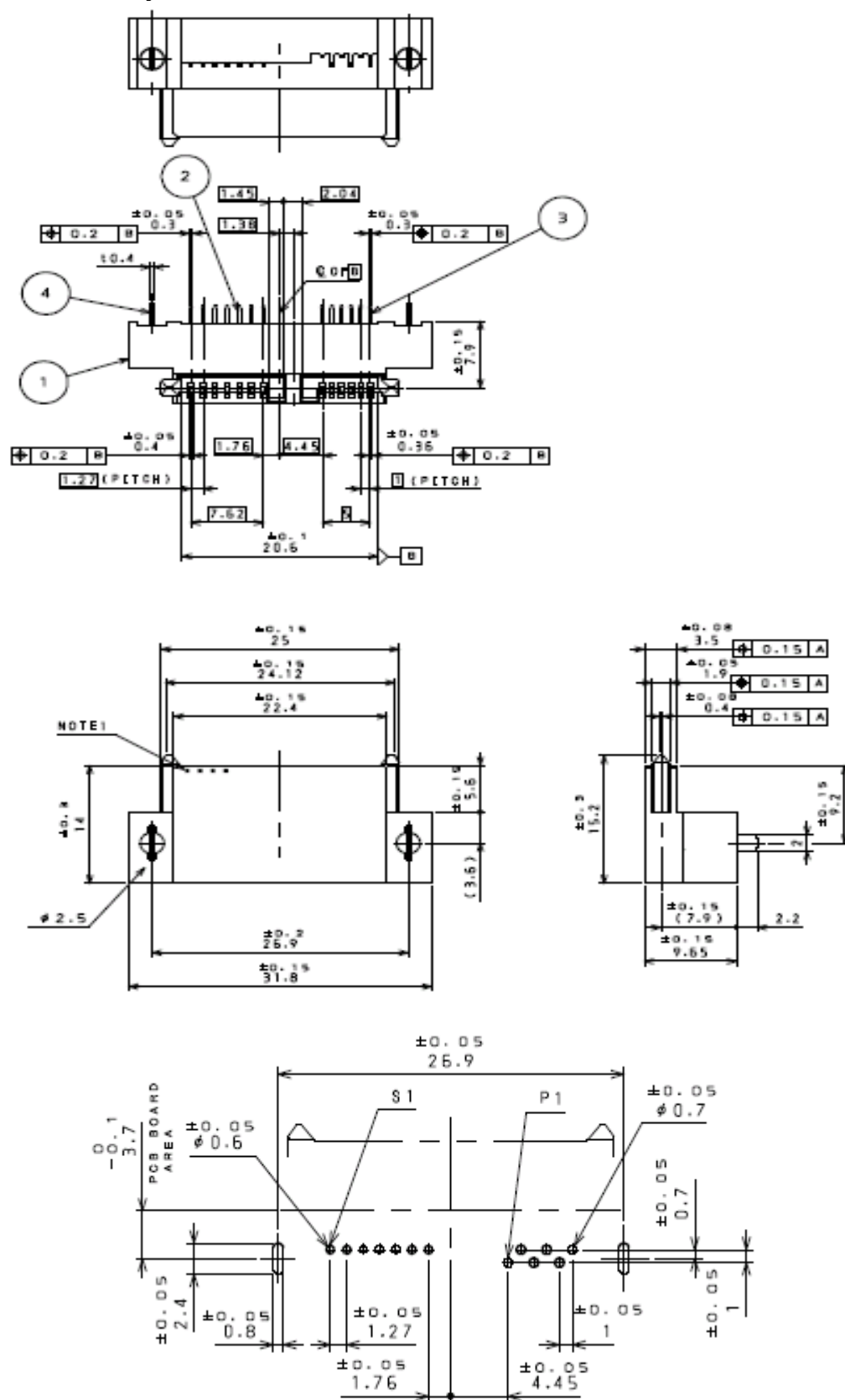
■PM2R013NQ2R350







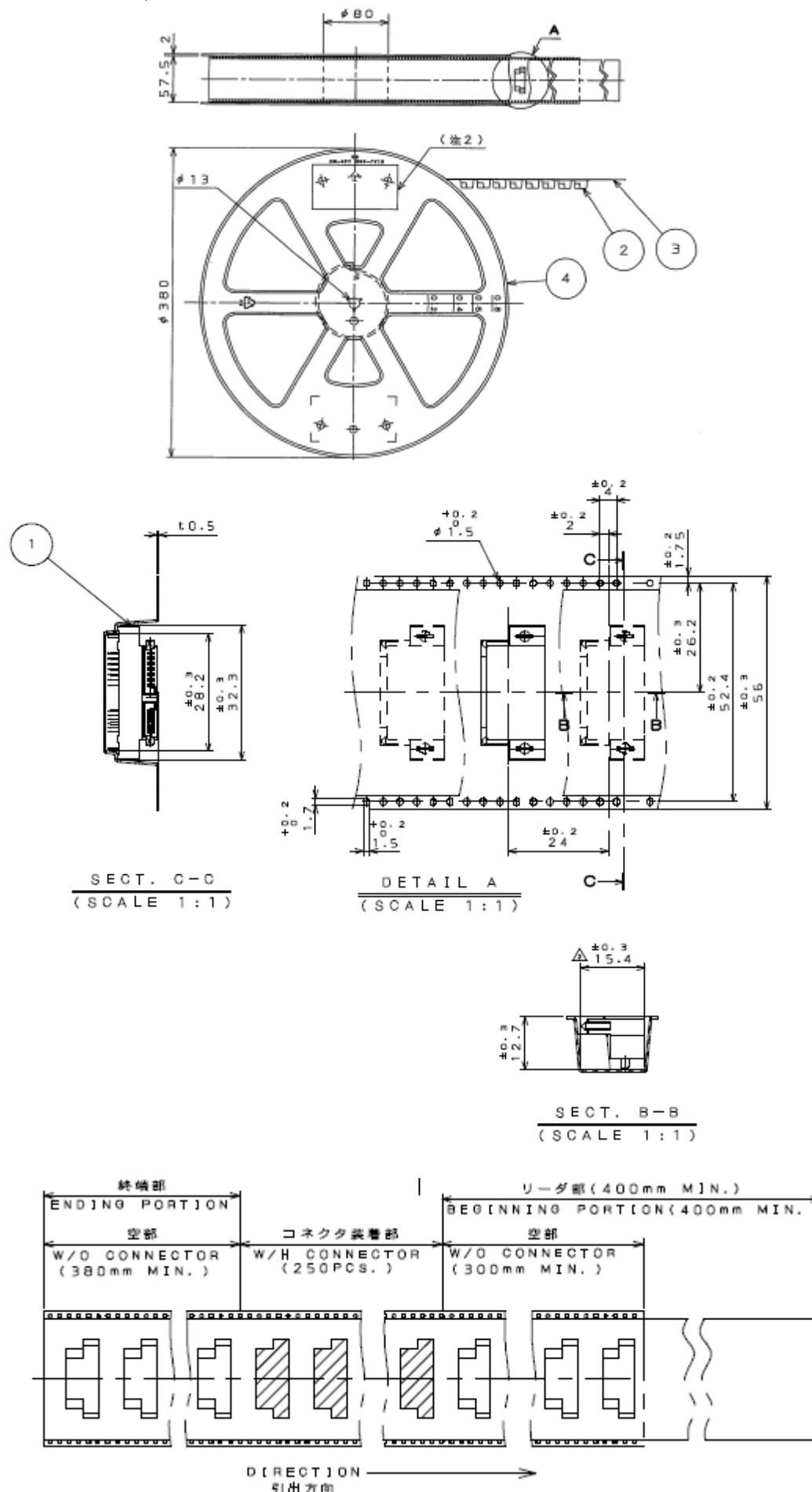
■PM2R013NQ4



P.C.B. HOLE PATTERNS (REF.)

基板取付穴寸法 (参考)

■PM2R013NQ4R250



Drawing Number

Part Number	SJ Drawing	Specification
PM2B013H*1	SJ107770	JACS-10471
PM2B013H*1R1000	SJ107771	
PM2B013H*2	SJ107772	
PM2B013H*2R1000	SJ107773	
PM2R013VQ2	SJ108096	
PM2R013VQ2R800	SJ108097	
PM2R013NQ1	SJ108052	
PM2R013NQ1R500	SJ108053	
PM2R013NQ2	SJ108220	
PM2R013NQ2R350	SJ108238	
PM2R013NQ3	SJ108265	JACS-10471
PM2R013NQ3R300	SJ108266	
PM2R013NQ4	SJ108267	
PM2R013NQ4R250	SJ108268	

Test Report: SR-C-0728 PM2R013NQ2 vs PM2B013HP2

SR-C-0731 PM2R013NQ2 vs PM2B013HS1

SR-C-0734 PM2R013VQ2 vs PM2B013HS1

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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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