

Technical drawing of a shaft with a keyway. The drawing shows a shaft with a keyway of width 0.5. The shaft has a total length of 5.8 ± 0.3. The distance from the left end to the start of the keyway is 4.5 ± 0.1. The distance from the end of the keyway to the right end is 1.3. The shaft has a diameter of 0.28 ± 0.05. The keyway has a depth of 0.2 ± 0.05.

A technical drawing of a mechanical assembly, likely a cross-section of a joint. The drawing shows a rectangular block with a smaller rectangular feature on its top surface. Three numbered circles are used to identify specific components: 1 points to a vertical pin or bolt, 2 points to a horizontal plate or flange, and 3 points to a central vertical component, possibly a shaft or a core. The drawing uses hatching to indicate different materials or cross-sections.

SMP Interface
SB : Smooth bore

Technical drawing of a mechanical part with the following dimensions:

- Overall width: (5)
- Overall height: $4.2^{+0.1}_{-0.2}$
- Top flange thickness: 2.8 ± 0.1
- Bottom flange thickness: 3.97 ± 0.04
- Central hole diameter: $\phi 5 \pm 0.15$

Insert and extract a jack as perpendicular to the mating surface as possible by aligning the mate axes between a jack and a edge mount. Do not excessively slant the connectors when inserting and extracting, because the slanting may damage the connectors in some cases.

EDGE OF OUTER

EDGE OF OUTER CONDUCTOR

EDGE MAOUNT SIDE

EDGE OF OUTER CONDUCTOR

EDGE MAOUNT SIDE

NOTE 1 The dimension of (0.53) indicated in the recommended PCB layout below is met in the condition of dielectric constant of 3.48 and thickness of 0.254. The dimension depends on the dielectric constant, thickness and layout of PCB. For better RF performance, simulation of PCB with the connector is recommended.

2 Side plating is recommended on side plane of connector mounting area of PCB as shown in the perspective view below.

When soldering grounding, solder sufficiently a side area between a connector and PCB.

Recommended soldering both top and bottom side of PCB as shown in the a perspective view after soldering below. Especially solder sufficiently 'Z' side area between a connector and PCB as shown in outline drawing for mounting below for better RF performance.

In manual soldering, soldering iron bit temperature is 380 °C max. for 5 seconds max.

When soldering center contact, be careful of amount of solder. If the width of center soldering is over the one of signal line, the RF performance would be degraded.

3 Please mount a connector on PCB without the gap between the side edge of PCB and connector for better RF performance. Recommended flat plane of side edge of PCB.

Recommended PCB Layout

Outline drawing for mounting

Be careful of amount of soldering for center contact

2 'Z' side area

Solder sufficiently 'Z' side area between a connector PCB for better solder ground connection.

3 No gap between a connector and PCB

Perspective view of PCB

Recommended flat plane
of side edge of PCB

3

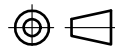
Recommended side plating

2 Perspective view after soldering

Top view

Bottom view

 Solder

2	PTFE								
1	BRASS	GOLD PLATING			3	PHOSPHOR BRONZE	GOLD PLATING		
NO.	MATERIAL	FINISH , REMARKS			NO.	MATERIAL	FINISH , REMARKS		
UNITS mm		SCALE 5 : 1		COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
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