

# セミフレックス配線板

## Semi-Flex PWB

<https://www.cmk-corp.com>

### 特徴 Features

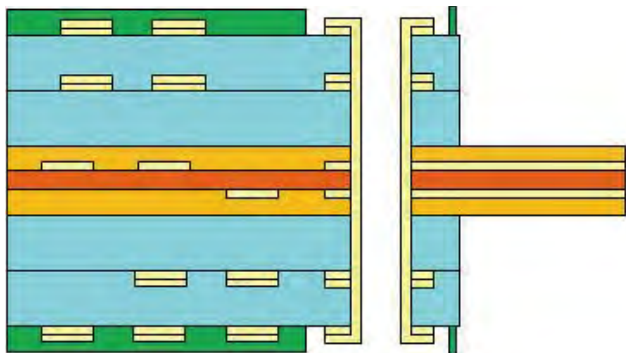
- 従来のリジッド配線板の一部を切削して薄く加工し、薄い箇所を曲げて使用することができる配線板です。リジッド・フレックス配線板のような繰り返しの屈曲性を必要としない機器向けです
- 屈曲層の位置を従来のセンター層から表層に変更することでTHの接続信頼性を向上
- 高板厚（1.6mm）に対応可能  
また、両面板に対応可能
- Semi-Flex PWB is that cutting a part of current rigid PWB in order to be more thin and can be used with bending. It's better to use for the equipment that doesn't need repetitive flexibility such as rigid PWB.
- The connection reliability of TH is improved by changing the position of the bending layer from the center layer to the surface layer.
- Applicable to high board thickness (1.6mm) and double-sided PWB

### 用途 Application

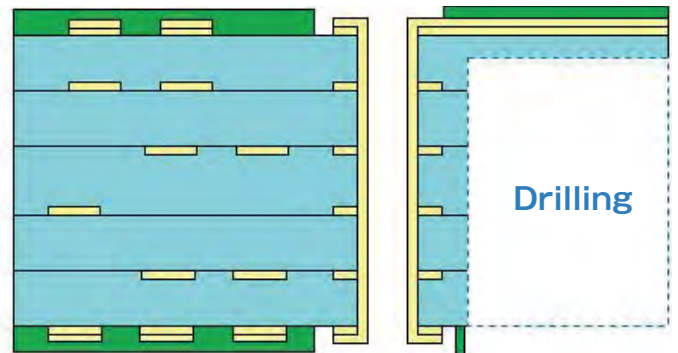
- 一般から車載向け機器全般
- 屈曲させたまま組み立てる構造の機器全般
- For both of general and automotive products
- Equipment of structure mounted with bending.

### 構造 Structure

#### Conventional Rigid-Flex



#### Semi-Flex PWB



		Conventional Rigid-Flex	Semi-Flex PWB
Thickness	Dealing with thick PCB for automotive use (~1.6mm)	×	○
Conduction reliability	Temperature cycle test 3000cyc -65°C(30min)⇔125°C(30min)	×	○
Insulation reliability	Temperature Humidity Bias 1000h 85°C/85%/DC30V	○	○
Bending	Bensing cycle test R5	○	△

