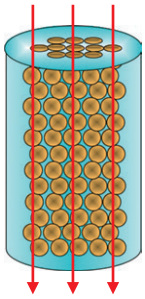
Dot Connector

New type elastomeric connector with ultra low electric resistance.

Super Low Resistance



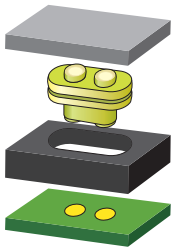
Electrode Structure

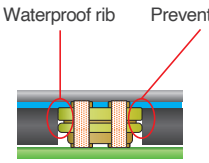
The conductive fillers can be put together to any location by the magnetic orientation technology.

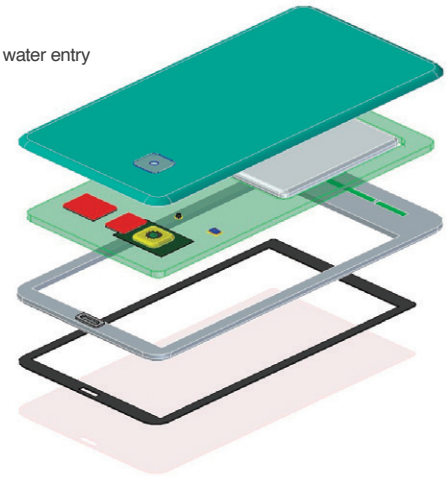
Flexible Custom Design Support

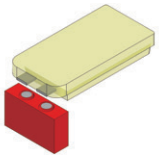
Applications

Waterproof Connector





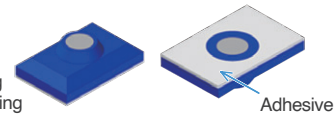




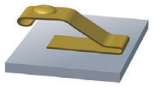
Electroparts Connector

As a replacement for sponge gasket

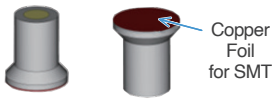
PSA Dot Connector



As a replacement for spring contact



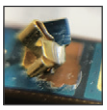
SMT Dot Connector

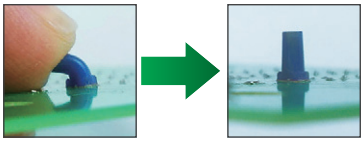


Features

Shock Resistance

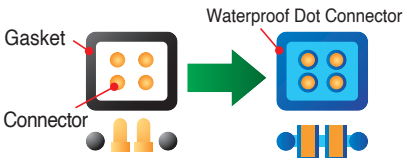
Physical impacts from assy and repairing





No deformation after giving physical impact.

Reducing the number of parts

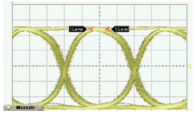
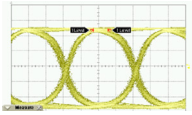


Gasket + Connector → Waterproof Dot Connector

Reducing the number of parts and assembly processes. Compact in size.

Low Transmission Loss

Eye Pattern(6.25GHz)

Reference	Dot Connector
	

Area ratio 98.2%

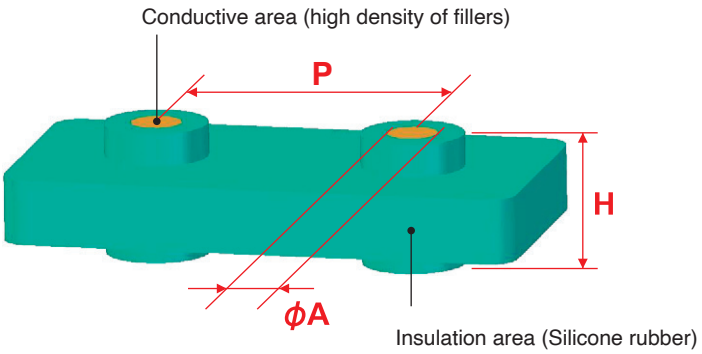
Contributing for 5G technical solution thanks to low transmission loss.

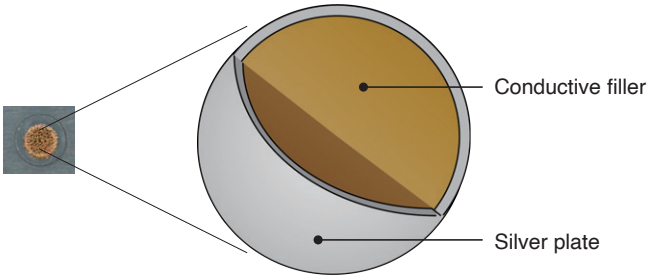
SEKISUI POLYMATECH CO., LTD.

URL:http://www.polymatech.co.jp/

Design Guide

We bring custom design support in accordance with height, pitch and electrode numbers.
Insulation area also can be customized and our connectors can be embedded with other materials.





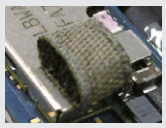
Contact ϕA : Standard ϕ0.8mm

Pith and H		Resistance (1pin)	Current Capacity (1pin)	Force (1pin)	Compression Ratio
H＜1mm	P＞1.3mm	20mΩ	10A	1～5N	20～40
1＜H＜2mm	P＞1.8mm	40mΩ	6A	1～4N	20～35
2＜H＜3mm	P＞2.3mm	60mΩ	4A	1～3N	20～35
3＜H＜4mm	P＞3.3mm	80mΩ	3A	1～3N	15～25
4＜H＜5mm	P＞4.3mm	100mΩ	2.5A	1～2N	10～20

※Electrode diameter is MINϕ0.4. It is allowed to create H≦P by adjusting the electrode diameter.
※If other specification needed, it would be possible to review.

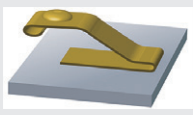
Characteristics

Sponge Gasket

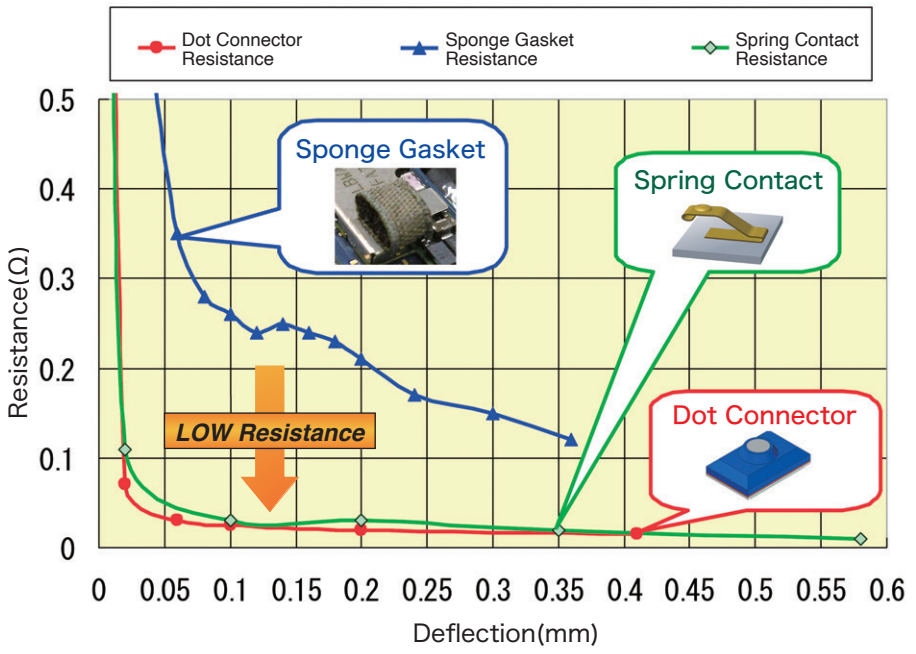


Height 0.95mm
3.5mm×2.4mm

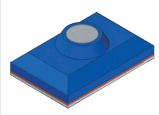
Spring Contact



Height 1.1mm
5mm×1.5mm



Dot Connector



Height 0.95mm
2mm×3mm

※ Numerical values shown in the graphs and table are actual measured, not product standard values.