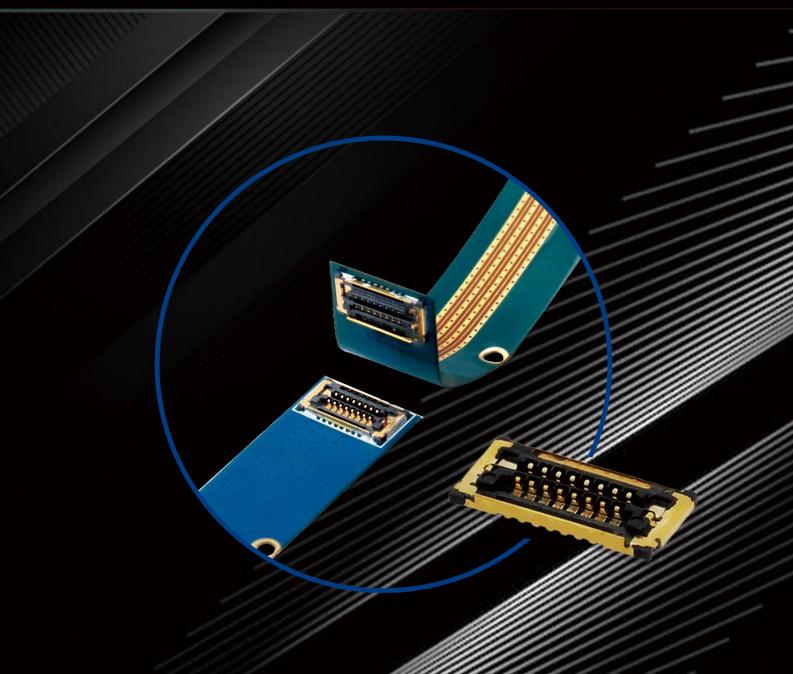
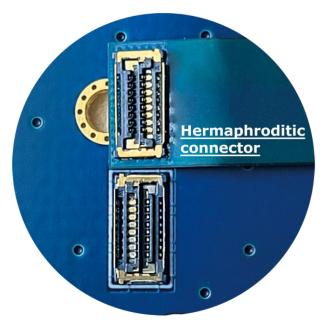


High-speed & Micro-miniature Board to board connector (HMB)



Withwave's High-speed & Micro-miniature Board to board connector (HMB Series) are hermaphroditic mating interface and offers good RF characteristics for high-frequency (Resonance frequency above 50GHz) applications such as 5G Millimeter-Wave. The hermaphroditic mating design contributes to a very cost-effective solution.





Features

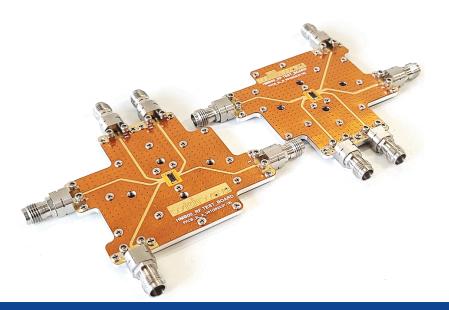
- Frequency Range : DC to 50 GHz
- Pitch : 0.35 mm
- Mated Height : 0.6 mm
- Width : 2.48 mm
- Number of Pins : 16 pins
- Excellent Insertion and Return loss performance
- Hermaphroditic mating interface
- Microstrip & Stripline application

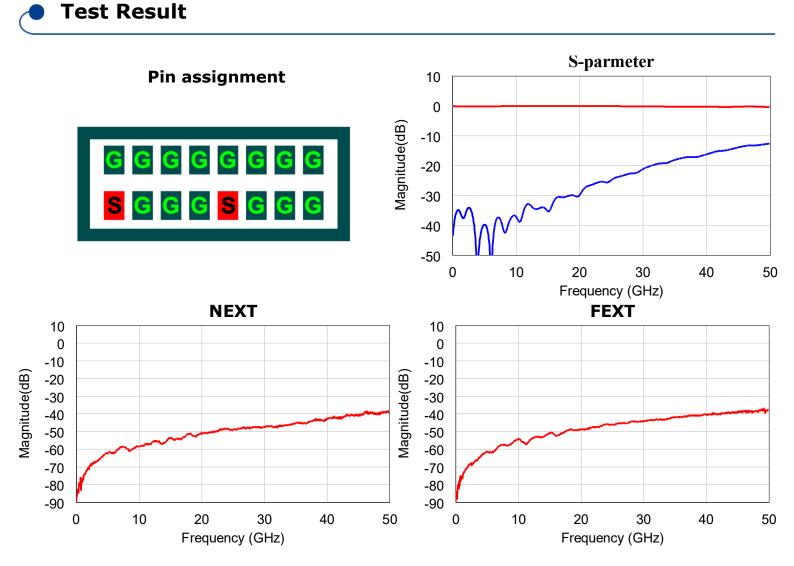
Application

- Smartphone
- Wearable device
- Array antenna
- Other wireless equipment

Specification

Scope	Items	Specification
Electrical	Freq. Range (Max)	50 GHz
	Impedance	50 Ω
	VSWR	DC to 20 GHz : 1.5 Max 20 to 40 GHz : 1.8 Max 40 to 50GHz : 2.0 Max
	Contact Resistance	100 mΩ Max.
	Signal Rated Current	AC, DC 0.3A/Pin
	Insulation Resistance	100 mΩ Min.
	Withstanding Voltage	AC 100V for 1 minute
Mechanical & Environmental	Mating Durability	20 Mating Cycles
	Mating Force	1.4 N / Pin Max.
	Un-mating Force	0.15 N / Pin Min.
	Operating Temperature	-55 to +85 °C
Material	Contacts	High Performance Copper Alloy
	Shell	High Performance Copper Alloy
	Housing	High-Temperature LCP, UL94V-01



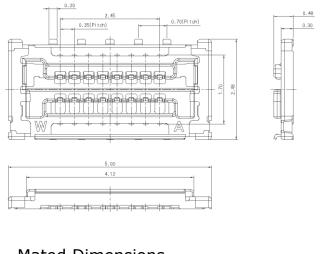


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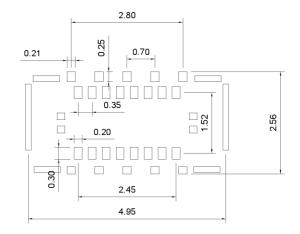
Dimensions

16 pin Dimensions



Mated Dimensions ₽

16 pin Footprint



* Detailed drawings available upon request.

withwave