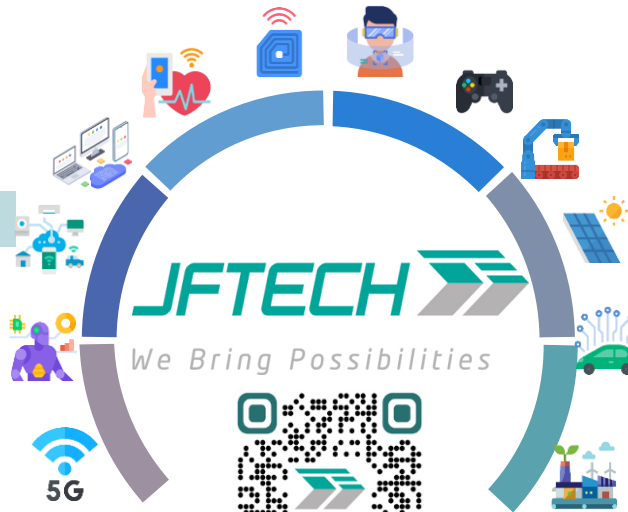
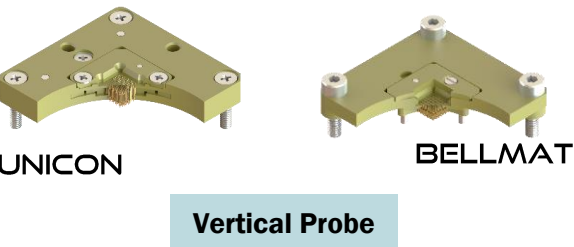
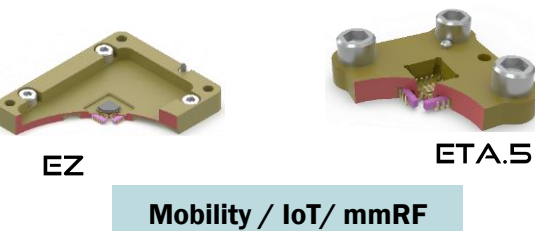
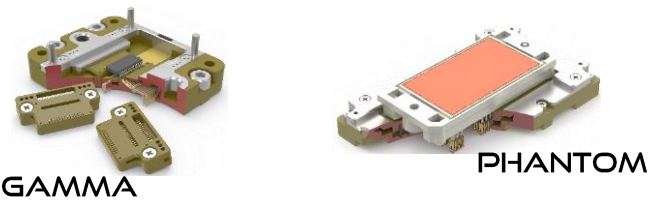
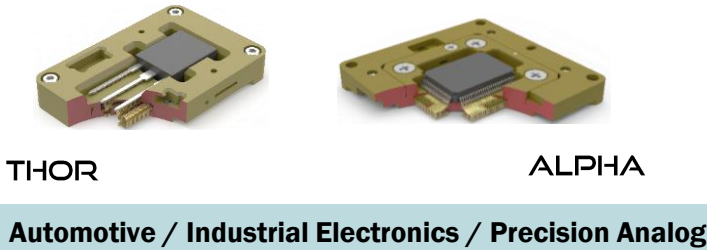


# ONE-STOP HIGH PERFORMANCE TEST CONTACTING SOLUTIONS

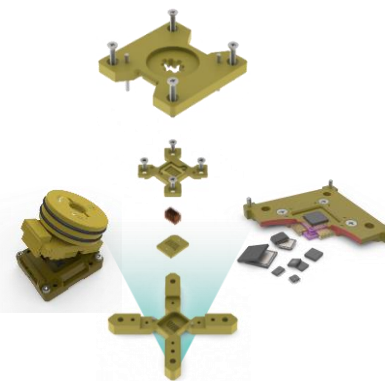
## TEST CONTACTING SOLUTIONS



Tri-Temperature Testing  
(-40°C to 200°C)

Temperature  
Requirement

Ambient  
(23°C)



## ELECTRICAL SIMULATION SERVICES

Full-link Simulation

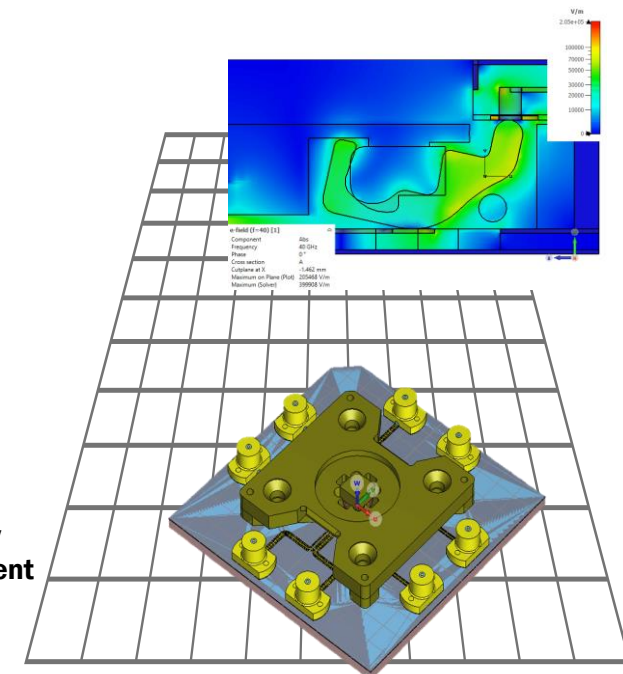
S-Parameter

Socket Design Optimization

E-field Analysis

TDR Plot - Impedance Matching

Load Board Design & Optimization



100 GHz

Frequency  
Requirement

1 GHz

Device Application Solution Package & Requirements	MOBILITY / IOT / MMRF		AUTOMOTIVE / INDUSTRIAL ELECTRONICS / PRECISION ANALOG				VERTICAL PROBE	
	EZ Patented	ETA.5 Patented	ALPHA	GAMMA Patented	PHANTOM Patented	THOR Patented	BELLMAT Patented	UNICON Patented
QFP / LQFP / TQFP	✓	✓	✓	✓	✓	✓	✓	✓
DFN / QFN / LGA	✓	✓	✓	✓	✓	✓	✓	✓
SOP / SOIC / TSSOP / QFP	✓	✓	✓	✓	✓	✓		✓
BGA / WLCSP						✓	✓	✓
Optical Sensor / LED	✓	✓	✓	✓	✓	✓	✓	✓
Min. Pitch (mm)	≥ 0.3	≥ 0.3	≥ 0.4	≥ 0.4	≥ 0.4	≥ 0.4	≥ 0.3	≥ 0.4
Kelvin / Non-Kelvin	Non-Kelvin	Non-Kelvin	Kelvin	Kelvin	Kelvin	Kelvin	Non-Kelvin	Kelvin
Contact Resistance (mΩ)	≤ 25	≤ 20	≤ 30	≤ 30	≤ 30	≤ 30	≤ 100	≤ 70
Current Carrying Capacity (@ 100% Duty Cycle)	7.5A	3.1A	3.6A	8.7A	4.7A	3.5A	2.0A	1.5A
Bandwidth (GHz)	37	27	13	4.05	N/A	2.74	63	26
Temperature ( ° C)	-45 to +155	-45 to +155	-60 to +180	-60 to +180	-60 to +180	-60 to +180	-40 to +150	-45 to +150
Min. Pad Length (mm)	Non-K: 0.2*	Non-K: 0.2*	Kelvin: 0.35 Non-K: 0.25	Kelvin: 0.35 Non-K: 0.25	N/A	Kelvin: 0.25 Non-K: 0.2	Ball Ø ≥0.2	Ball Ø ≥0.2

\* Disclaimer: The stated specifications are based on JF Microtechnology's laboratory test and subject to change without prior notice; please contact JFM Sales personal if required further info.