









	Current State-of-Art		5, 10 years & beyond	
	Application Areas	Packaging	Emerging Application Areas	Packaging
Mobile / Consumer	TiltNavigationGaming	Traditional low density LGAThick sensors	TiltNavigationGaming	 Size reduction, WLP Thin sensors Integration with μProcessor EMI shielding
Medical & Health	Not pervasive	Traditional plastic on rigid organic substrates	 Implantable Concussion monitoring Vital Signs monitoring Telemetry 	 Flexible substrates Thin profiles, WLP Biocompatibility
Automotive	 Air bag crash sensors Rollover Stability control 	 Traditional large body SOIC / QFN 	 Navigation grade IMUs ADAS Acoustic noise cancellation Adaptive headlights Vision correction Condition monitoring 	 SiP based modules Substrate technology Integration of μProcessor for intelligent processing Integration of RF for communication
Aerospace & Defense	Not pervasive	 FOG and/or RLG Traditional ceramic substrate based modules 	 Machine Health Attitude & Heading Navigation Stability 	 SiP based modules Substrate technology Integration of μProcessor for intelligent processing Integration of RF for communication





