

Sensor Silicones

for a connected world

NOVAGARD®
PERFORMANCE SILICONES

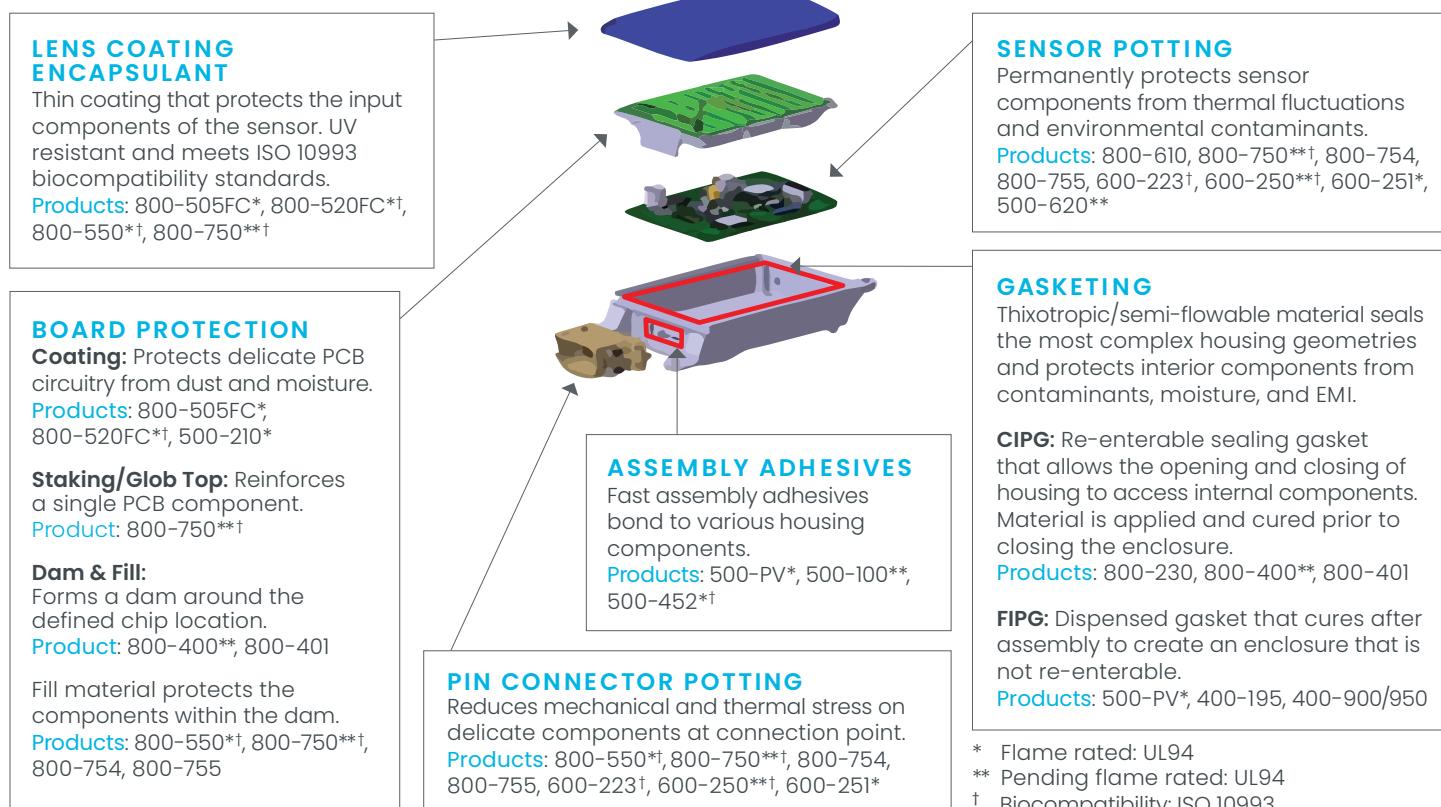
ASSEMBLING | COATING | PROTECTING

Sensors are a critical component of devices and embedded systems within medical, automotive, and aerospace industries. Manufacturers are seeking high performance materials for sensor coatings, assembly adhesives, and electrical management materials with strong conductive and dielectric properties to protect against heat, cold, moisture, and stress. Novagard's Electronics Grade Silicones are the go-to material for harsh and demanding environments, and can support the need for quick assembly and the biocompatibility requirements of sensor manufacturers.

KEY FEATURES

- Thermal stability
- Protection from vibration, shock, contaminants, and chemicals
- Application ease for complex geometries
- Electromagnetic Interference (EMI) protection
- Moisture protection
- Strong dielectric properties

- Adhesion to various substrates including flexible electronics
- Non-corrosive: no unreacted plasticizers post cure
- Solvent free, PFAS free



* Flame rated: UL94

** Pending flame rated: UL94

† Biocompatibility: ISO 10993

INDUSTRIES



Advanced Driver Assistance Systems (ADAS).
Modern vehicles contain 200+ sensors to ensure safety.



Sensor communication, IoT, and real time tracking for harsh environments.



Biocompatible wearables to advance preventative health data tracking.



Protection and fast assembly of drone, satellite & aerospace components for extreme environments.

