

5G[™] AUTOMOTIVE SOLUTIONS

Samtec delivers Sudden Service[®] solutions for standard and customer-specific automotive designs by providing an array of options to meet the robust quality, production and compliance requirements of our customers. Our automotive interconnect systems are ideal for applications requiring high-performance, high-density, high-reliability / high mating cycles, optics and microelectronics solutions, with varying degrees of PPAP options.

5 LEVELS OF AUTONOMY



CORE PRODUCT SOLUTIONS LEVELS 0-5

- Rugged Tiger Eye[™] Contact Systems
- Flexible Stacking Systems
- One-Piece Systems
- Micro Pitch Systems
- Discrete Wire Components
- Sealed I/O Systems

SILICON-TO-SILICON SOLUTIONS LEVELS 3-5

- High-Density Arrays
- Rugged SI Edge Rate[®] Contact Systems
- Edge Card Systems
- Ground Plane Connectors
- Ultra Micro & High Power Interconnects
- High-Speed Cable Assemblies
- RF Cables and Components

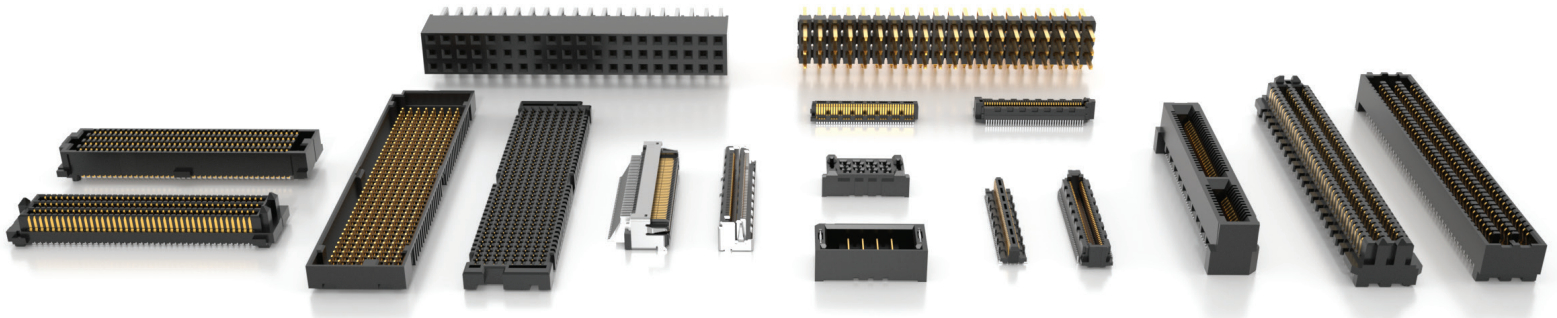


- Navigation & Tracking
- Radar Controlled Cruise Control
- GPS
- Satellite Radio
- Entertainment Systems
- Heads-up Display System

- Power Windows & Seats
- Sunroof, Moonroof Controls
- Day / Night Mirrors
- Interior Lighting
- Night Vision System
- Climate Control

- Instrument Panel & Cockpit
- Steering Modules
- Brake Modules
- Engine Control Systems
- Power Door Locks
- Automatic Transmission (Tiptronic)

- Anti-theft Systems
- Hands Free Systems
- Lidar & ADAS
- Airbag Release Systems
- Emergency Communication
- IR Sensor & Camera Systems



SERIES	PITCH	POSITIONS PER ROW	OPERATING TEMP	STACK HEIGHT (mm)	BODY DIMENSION (mm)*
LPAF	1.27 mm (.050")	10, 20 30, 40, 50	-55 °C to +125 °C	4, 4.5, 5	17.85 x 6.71
LPAM					19.46 x 8.18
SEAF**	1.27 mm (.050")	10, 15, 20, 30, 40, 50	-55 °C to +125 °C	7 - 18.5	18.52 x 5.66
SEAM**					17.68 x 7.06
SEAF8**	0.80 mm (.0315")	10, 20 30, 40, 50	-55 °C to +125 °C	7, 10	13.84 x 4.30
SEAM8**					
LSHM-DV**	0.50 mm (.0197")	5, 10, 20, 30, 40, 50	-55 °C to +125 °C	5, 5.5, 6, 6.5, 7, 8, 8.5, 9, 10, 12	7.20 x 4.98
LSHM-DH**	0.50 mm (.0197")	5, 10, 20, 30, 40, 50	-55 °C to +125 °C	Not Applicable	7.20 x 7.80
HSEC8-DV	0.80 mm (.0315")	09, 10, 13, 20, 25, 30, 37, 40, 49, 50, 60, 70, 80, 100	-55 °C to +125 °C	Not Applicable	12.60 x 7.00
SS4	0.40 mm (.0158")	10, 20, 30, 40, 50	-55 °C to +125 °C	4, 4.5, 5, 5.5, 6	7.54 x 4.35
ST4					5.58 x 3.70
SS5	0.50 mm (.0197")	10, 15, 20, 30, 40, 50, 60, 70, 80	-55 °C to +125 °C	4, 4.5, 5	8.54 x 4.35
ST5					6.40 x 3.70
SSQ	2.54 mm (.100")	1 - 50	-55 °C to +125 °C***	Any available up to 30	3.05 x 2.41
TSW					2.54 x 2.54
UMPS**	2.00 mm (.0787")	2, 3, 4, 5, 6, 7, 8, 9, 10	-55 °C to +125 °C***	5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20	9.05 x 6.20
UMPT**					11.30 x 7.60

* Body dimension shown is smallest available **Series passed Severe Environment Testing *** Operating Temp achieved using gold plating

CERTIFICATIONS & TESTING

Samtec's automotive products undergo testing that is comparable to USCAR2-6 specifications for performance reliability: Design Qualification, Extended Life Product™, and Severe Environment Testing. Proven processes are also used that meet Samtec's IATF 16949 certification. These products are designated with an A-Series part number and supplied to customers with a Level 3 Product Part Approval Process (PPAP) package.



SEVERE ENVIRONMENT TESTING

Severe Environment Testing (SET) is a Samtec initiative to test our products beyond typical industry standards and specifications, many set forth by common requirements for rugged industries. Several of our products undergo additional testing to ensure they are more than suitable for industrial, military, automotive and other extreme applications. Visit samtec.com/SET for more information.