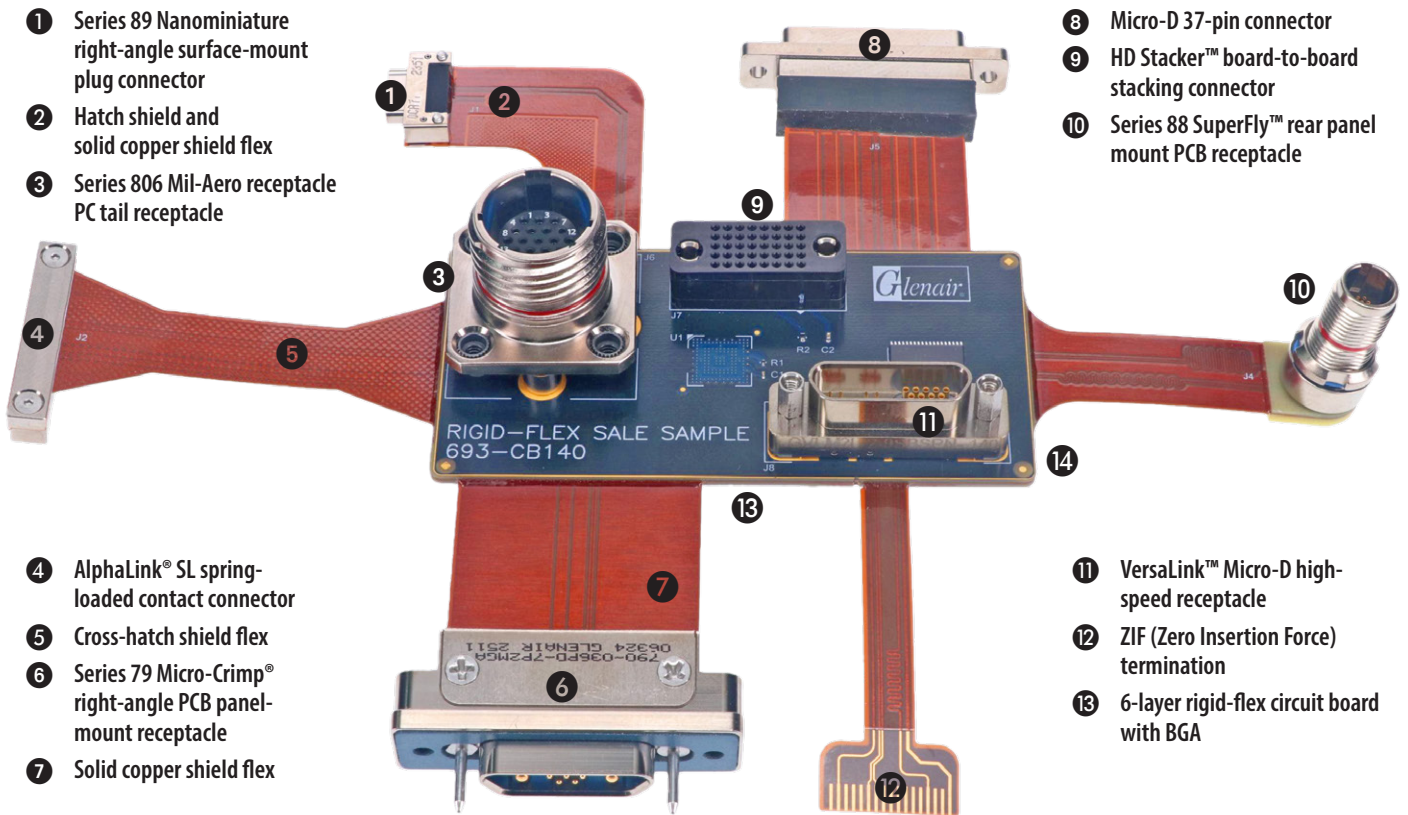


Electrical design options, flex and rigid flex

**STANDARD DESIGN OPTIONS FOR FLEX AND RIGID FLEX ASSEMBLIES**

Properly designed flex and rigid-flex assemblies offer significant space and weight savings compared to wire harnesses. Many design options are available, including integrated stiffeners, shielding, factory forming, selective bonding, termination, layer count and so on.



- 1 Series 89 Nanominiature right-angle surface-mount plug connector
- 2 Hatch shield and solid copper shield flex
- 3 Series 806 Mil-Aero receptacle PCB tail receptacle

- 8 Micro-D 37-pin connector
- 9 HD Stacker™ board-to-board stacking connector
- 10 Series 88 SuperFly™ rear panel mount PCB receptacle

- 4 AlphaLink® SL spring-loaded contact connector
- 5 Cross-hatch shield flex
- 6 Series 79 Micro-Crimp® right-angle PCB panel-mount receptacle
- 7 Solid copper shield flex

- 11 VersaLink™ Micro-D high-speed receptacle
- 12 ZIF (Zero Insertion Force) termination
- 13 6-layer rigid-flex circuit board with BGA

**OPIMIZED SPACE-SAVING PACKAGING AND INTEGRATION**

Flex and rigid flex circuit assemblies are ideal for space-constrained electronic packages and enclosures, or for interconnect systems that are required to flex in 3 axes during normal use. Flex and rigid flex circuitry offers complete freedom to design boards and wiring for even the most densely-packed electronic enclosures. In mission-critical applications, the ability to reduce or even eliminate discrete wiring and FR-4 boards in favor of flex circuitry helps designers make the most efficient use of available space.

