

## Choosing the Right Sav-Con® Connector Saver for your Interconnect Application

All classes of Glenair Sav-Con® Connector Savers feature one-piece, non-removable pin/socket contacts for maximum reliability and minimum effect on circuit resistance. The mating portions of the pin-and-socket contacts are in strict compliance with the applicable Military Specification contacts used in each connector series. The one-piece design adds resistance to a circuit equal to a mated pin and socket contact, thus it has minimum or no effect on sensitive circuits.

When a Sav-Con® Connector Saver is installed between a receptacle and a plug, the effective additional length is less than the length of an equivalent mated plug and receptacle. Each Glenair Sav-Con® Connector Saver series meets the same durability requirements as the Military Specification series with which it mates.

On bayonet coupled Sav-Con® Connector Savers, improved durability can be provided by specifying the optional dry lubricant on the inside surfaces of the coupling nut. **Note:** *Dry lubricant is not recommended for space applications due to out-gassing requirements.*

When using bayonet coupled Sav-Con® Connector Savers, Glenair recommends our Lock Ring design feature in applications where large cable bundles may induce unwanted stress to the coupling mechanism and potential unwanted contact

displacement (see page 3). Glenair's special Lock Ring design eliminates this potential problem by replacing the coupling wavespring with a mechanical threaded lock ring. **Note:** *If the Lock Ring design is not required or desired, Glenair recommends the use of external cable strain relief to support large cable bundles.*

Glenair Sav-Con® Connector Savers are available in one or more of the following service classes (see specific series page for details):

### Class 0 - General Duty

Glenair's basic Sav-Con® design is suitable for use in benign environments, such as manufacturing and bench test areas. Not recommended for use in environmental test programs, or in installations which will be exposed to non-ambient conditions.

### Class 1 - Environmental

This category offers peripheral and interfacial sealing to comply with mating connector environmental requirements.

### Class 2 - Hi-Rel

High-performance versions of Class 1 configurations. This design employs materials and processes to provide an extremely broad operating temperature range, as well as non-outgassing properties for space applications.