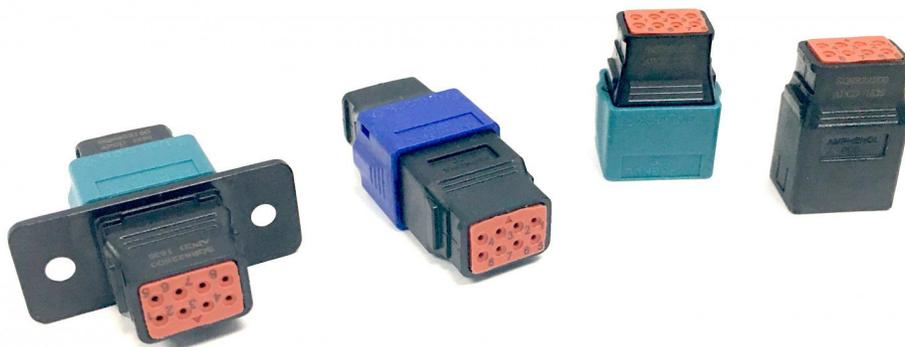




SOLARIS

Solaris: Small, lightweight, low-cost rectangular solutions



SOLARIS

Overview

Solaris is a small, plastic, easy-to-use rectangular connector designed specifically for low and medium power applications. Solaris' spring-loaded slide lock mechanism is a snap to use - simply push to lock, and slide to unlock. The slide lock provides convenient single handed & tool-less mating, eliminating the Foreign Object Debris (FOD) found in typical screw mount D-Subs. Each housing has raised finger ridges for a sure grip, and a built-in cable tie access hole provides a "zero footprint" method to secure the connector to a bulkhead or cable bundle.

High grade Polyetherimide plastic makes SOLARIS suitable for man/machine interfaces with high mating cycles, and provides a wide operating temperature range. Ultrasonically welded components means void free joints, sealing out humidity for long lasting, crack free operation over the life of the installation. Interfacial seal and wire seal grommets provide IP67 sealing, meaning the application is free from dust, moisture and corrosion when exposed to the real world.

Features & Benefits

Low profile rectangular form factor	Less than 0.5" tall. Fits into seat arms, backs, tray tables and compartments, lower profile ceiling/side panels
Slide Latch	Easy-to-use, FOD free, tool-less mating
Integrated Tie Wrap hole	Zero footprint tie down to pipes, bundles and bulkheads
Interfacial & Wire sealing	IP67 performance for use in human interface, wet and damp applications
Polyetherimide Housings	High temperature resistance, chemical resistance, long working life & high mating cycles
Integral boot ridge	Integrated feature for tying off protective sheathing and braids w/o adding backshells or saddle clamps
Snap-on strain relief	Tool-less, FOD free accessory that helps prevent wear and tear at cable / connector ingress
Reverse gender capability	Plugs & Receptacles may be configured with pins or sockets, allowing live power connector to be either plug or receptacle, depending on application requirements

Materials & Specifications

Shock	100G sawtooth, 6msec
Vibration	15G peak sinusoidal, 16G peak random
Flammability & Toxicity	Meets FAR Par 25 Appendix F, Part 1
Sealing	IP67 when mated
Fluid Resistance	Skydrol, Ethylene Glycol, Jet A, Other
DWV	1500Vac @ sea level, 300Vac @ 70k ft
IR	500Vdc
Salt Spray	5% solution @ 70K ft
Temperature	-65C to +150C
Mating Cycles	500 minimum
Contacts	M39029/58 & /57 size 16, 20, & 22D
Keying	4 hard coded keys, color matched to housing