

NANO PEGASUS



Overview

Small, light-weight and easy to mate connectors that provide exceptional performance in tight spaces.

Nano-Pegasus excels in confined spaces, featuring a compact shell size 5 housing with an outer diameter of 0.325", accommodating 11 high-grade contacts. These 28AWG contacts are capable of handling 1 amp at 350 Vdc. The scoop-proof design safeguards the small gauge contacts during mating, and when connected, it ensures IP67 sealing through the interfacial seal, guaranteeing protection against dust, moisture, humidity, and corrosion.

Applications

Low pin count Micro (M83513) & Nano (M32139) DSub alternative where a circular connector is more appropriate.
Communications via single and dual USB2.0, CAN Bus, USB3.0, CAT5 & CAT6 ethernet, or user defined low and medium speed requirements.
Command and Control as typically found in subsystem interconnects with user defined high density data and low power signaling.
Sensor connectivity, such as found in missile and munition guidance systems, infrared target acquisition and tracking gimbals, angle of attack and inertial guidance systems.

Specifications

Item	Specification
Shock	300G 3 Axis
Vibration	43.9G Random
Flammability & Toxicity	Meets FAR Par 25 Appendix F, Part 1
Fluid Resistance	Skydrol, Ethylene Glycol, Jet A, more
DWV	250VAC @ Sea-level; 100VAC @ 70k ft
Salt Spray	5% solution @ 70K ft
Temperature	-65°C to +175°C
EMI Shielding	Typical 50dB

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Features & Benefits

1/4 Turn Cam Lock	User-friendly, blind mating with an audible click and visual locking indicators for added convenience.
Interfacial & Wire sealing	Designed to deliver IP67 performance, suitable for use in human interfaces as well as wet and damp environments.
Polyetherimide Single Piece Housing	Boasting resistance to high temperatures, harsh fuels, and chemicals, along with an extended operational lifespan and durability for numerous mating cycles.
7.5 grams / mated pair	Reduced weight translates to extended flight durations, increased payload capacity, and prolonged battery life in dynamic applications.
28 awg wire barrel	Maintains a continuous 1-amp current capacity across the entire voltage and temperature range .
0.050" Contact Spacing	Featuring a high-density interconnect, equivalent to 132 contacts per square inch.
30µ inch gold plated contacts	Offers an extended operational lifespan and can withstand numerous mating cycles .
Nickel / Copper plating	Provides up to 60dB of EMI shielding on average, depending on the specific frequency of interest.

Mounting Styles & Ordering Information

Inline Receptacle



SJS051120P

Inline Plug



SJS051110P

Oval Flange



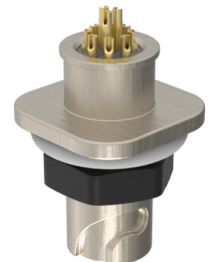
SJS051170P

Jamnut PCB



SJS051160P

Flange Rear Mount



SJS0511190P

*Integral Solder Cup or wire crimp. C54400 Bronze Alloy with 30 micro-inches gold plate. 28 awg pin barrel. Wire barrel accepts 28 or 30 wire gauges. (0.126" / 0.32mm or 0.01" / 0.254mm)