

Amphenol SOCAPEX

Board Level Products

Board to Board Interconnect Solutions



BOARD LEVEL PRODUCT RANGE

HIGH-PERFORMANCE INTERCONNECTIONS BY AMPHENOL

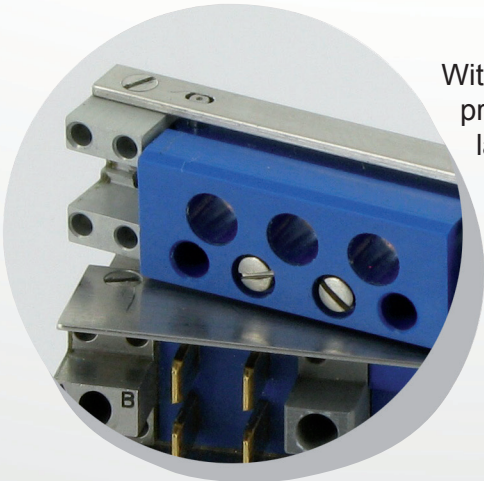
Amphenol is the leading manufacturer of interconnect solutions for military and aerospace markets.

Amphenol Socapex rugged connectors are designed to meet the most demanding requirements of harsh-environment markets in mil-aero & C4ISR applications. Based on the proven 6-tine STARCLIP contact technology, these shocks and vibrations proof connectors offer high-reliability and extensive choice to maximize the customer board level capabilities.

MEDIUM DENSITY CONNECTORS

SIAL/SIHD/Thermal clamps

The connector ranges for use with thermal clamps

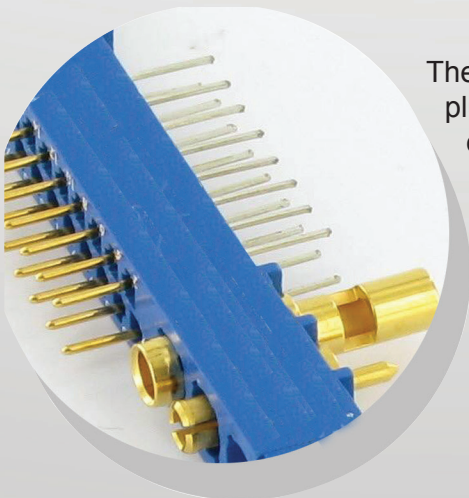


With the **SIHD**, **SIAL** and **thermal clamps** range, Amphenol provides a whole heat management solution by allowing a lateral floatment of the connectors when mated.



127/HE801-HE804-HE807

The proven, reliable and robust range



The **127/HE8** series is a medium-density range of multi-contact plug-in connectors for PCB. This range of 2.54 staggered grid, low profile connectors offers the widest range of hardware, guides, and contact terminations, providing more flexibility to PCB designers.

A legacy product, meeting various worldwide standards!

HIGH DENSITY CONNECTORS

HiLinX^{1.905}

The 100% modular and hybrid range

The **HiLinX^{1.905}** modular concept allows infinite mixed arrangements by combining 3A/5A-signal contact, 70A-RADSOK contact, 20A-power contact, coaxial RF contact and Amphelux-optical termini.

With **HiLinX^{1.905}**, the design of the connector is up to you!

Available in both 1.905 x 1.905 staggered grid pattern, the **HiLinX^{1.905}** design allows the user to choose between straight PC tails, right angle PC tails, solderless press-fit attachments or crimp contacts. The range is available in 2 or 3 rows, from 0 to 200 signal contacts.



SMASH

Advanced SEM E modular connector

Designed for radar, countermeasure & high-data rate communication applications, the rugged **SMASH** connector offers a protection against electromagnetic interferences ensuring a high signal integrity level.

Equipped with a robust metallic shell, the **SMASH** ensures shielding continuity which can be reinforced by adding a ground-strip.

The modular and high-density concept of the **SMASH** allows the user to choose between 1, 2 or 3 cavities equipped with 132, 150 or 154-signal contact insert. The plug surface mount flex termination permits to comply with various thickness of boards.



HDAS

The high-density monolithic connector

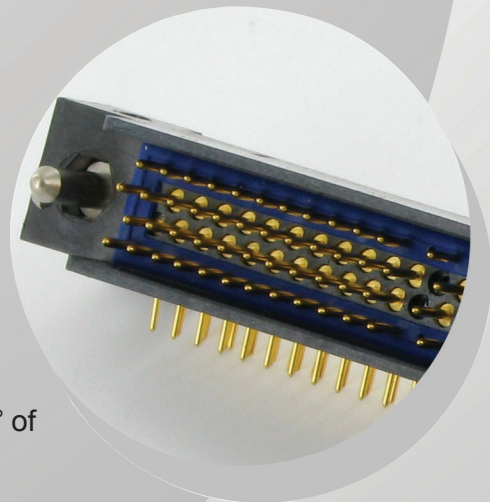
The **HDAS** connector offers a high-density board level solution with an increased temperature resistance (more than 150°C) and high vibration levels. Fitted with the STARCLIP contact technology, the **HDAS** ensures 4.5A per signal contacts, exceeding the MIL-DTL-55302 requirements.

Smart and robust

- The lateral rails guarantee an optimized pin-protection
- The LCP material is compatible with all the soldering processes
- The strong mechanical guides ensure 36 keying possibilities and 1.4mm/3° of realignment capability in both longitudinal and lateral axis.

With a 1.905 x 1.905 staggered grid pattern, designers can choose between straight PC tails, right angle PC tails or solderless press-fit attachments.

The range is available from 3 to 5 rows, from 50 to 253 contacts.



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