

NAFI Connectors with Fork & Blade Contacts, I/O NAFI with Rear Removable Crimp Contacts



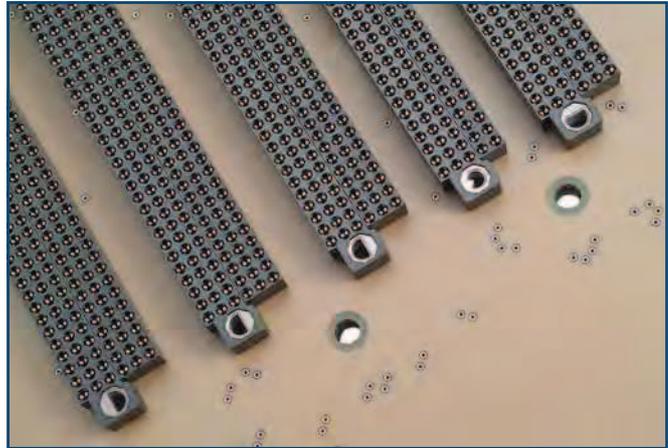
FROM AMPHENOL BACKPLANE SYSTEMS DIVISION

NAFI Series with Fork and Blade Contacts

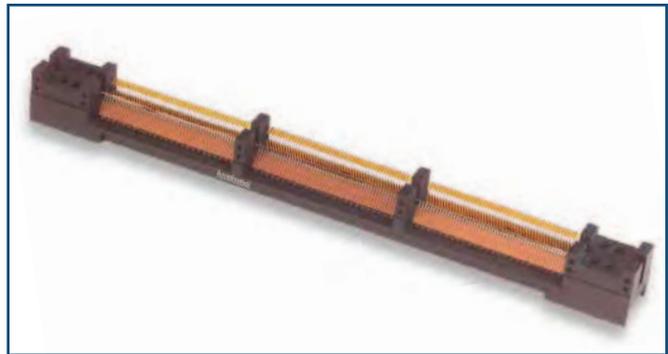
Amphenol NAFI daughtercard and backplane connectors are another board level interconnect solution from Amphenol Backplane Systems. They provide a wide range of medium contact density patterns and meet MIL-C-28859 standards. Daughtercard termination is through-hole, using nickel/gold solder plated contacts. The mating interface is a blade contact which can be either parallel or perpendicular to the daughtercard.

The M Series of NAFI connectors are for through hole interconnection to printed circuit boards with rigid pin termination. Connector lengths and body styles can be tailored to meet specific needs. They are available with 2, 3, 4 and 5 rows of contacts, .100 X .100 pitch. Standard NAFI-style features such as guide pins and D-and V-shaped polarizing keys are available.

The FM Series of NAFI connectors are for surface mount interconnection to printed circuit boards with flex circuit termination. Up to 5 rows of contacts can be configured. The standard NAFI interface is maintained while the flexible circuit traces provide the link to the module. The flexible circuit termination allows for hand soldering or various automated surface mount soldering processes. To meet customer needs, connector lengths and body styles can be tailored, and the flex circuitry lengths and configurations also are designed per customer specifics. NAFI backplane connectors use solderless, compliant press-fit tuning fork contacts.



NAFI Backplane Connectors on Board



NAFI Daughtercard Connector with Flex Termination

I/O NAFI Series with Rear Removable Crimp Termination

Amphenol also provides an I/O NAFI interconnect that allows for terminating #22 and #26 gauge stranded wires to a backplane. It is available with 24, 36, 40 or 120 rear removable crimp-style blade contacts and includes captive hardware and polarizing features. The receptacle (tuning fork) connector can be placed where needed on either side of the backplane.

NAFI interconnects are used in military and commercial aviation, in space applications, shipboard and in military vehicles. For more information see catalog 12-036 from Amphenol Backplane Systems, on-line at www.amphenol-abs.com.



I/O NAFI Connector - for Terminating Stranded Wire to a Backplane

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|---|--|--------------------------|--|--------------|-----------------------------|------------------------------|
| Introduction/ Pkg. Solutions/ Brush Contact | LRM (Line Replaceable Modules) | High Density | Low Mating Force MIL-DTL-55302 | Rack & Panel | LMD/LMS | Other |
| Suggested/ GEN-X | Fiber Optics/ HiSpeed/Rf/Power | HD33 HSB3 Hi Speed | Hybrids - Signal/Power/ Coax/Fiber Optics | Brush | Redundant/ Interconnects | Rectangular Interconnects |
| | Other Options/Access/ VME/VITA(VIPER) | | Docking Conn./ Accessories/Install. | Ruggedized | | |