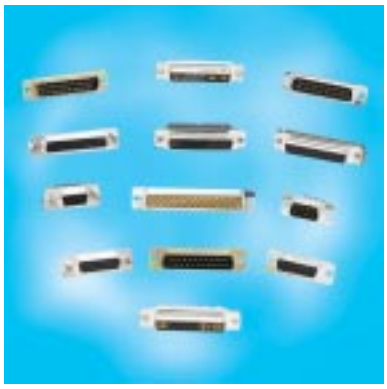
Interconnect for Wireless applications

DIN 41612
The DIN 41612 interconnection system from Amphenol is based on a family of two-piece printed circuit board connectors, having a 0.100 inch contact and termination grid, with a variety of termination types. It allows users to mix different connector styles (B, C/2, C, Q and R) within the same rack. The complete range DIN 41612 is fully intermateable and interchangeable with all Euroconnectors.

2mm System (MeMS)
MeMS is based on modular elements, where functions separated in different modules can combine on the PCB without loss of position. The modular design allows stacking of several types in one unit (signal, power and RF) with a high-density 2 mm contact spacing. Available are male/female, straight/right angle mounting, solder/press, and IDC round cable terminations. Selective loaded premating contacts available for male connectors.

D-Subminiature
The Amphenol D-subminiature family of connectors offers a wide variety of styles; options and accessories are the most economical solution to any interconnect system. The different configurations (9 to 78 positions), terminations (wire, PCB/SMT/press fit and IDC), mounting features, contact plating, and assembly processes enable you to find the right products.



High Speed Back Plane Cable Assemblies
Amphenol offers a high performance line of 2mm hard metric cable assemblies, which are mateable with IEC 61076-4-101 compliant PCB headers. Meets the performance needs of both Single Ended and Differential Signals, high data rate applications. The combination of product design, superior termination techniques and flexible cable selection, provides high performance.

Filtered D-sub
The Amphenol FCC series of filtered D-sub connectors offers a highly cost effective solution to EMI problems. Filtered connectors are directly interchangeable with non-filtered versions, requiring no board layout changes. Available with 9 to 37 positions, plug and socket, dual ports, straight, or right angle.

Filtered Micro Ribbon
FCC 57 designed to fit the same foot print as standard 57 series Micro ribbon connectors, this FCC 57 series provides the most cost effective solution to EMI problems. Various capacitance values are available to 36, 50 and 64 position plug and socket, adapters. Press fit and solder cup are in addition to standard solder tail versions.

Micro-Ribbon
Micro-Ribbon connectors offer a fast, economical interconnection system. The versatile rack and panel, cable to panel, cable to cable and cable to PCB connectors are available in 14, 24, 36, 50 and 64 contact configurations with solder terminations for the 57 series and discrete wire IDC terminations for 22 to 30 AWG wire of the 157 series. Widely used in modems, multi-plexers, computers and peripherals, medical equipment, PBX devices, and scientific instruments.

FRC Cables
Amphenol's Spectra-Strip encompasses the full range of extruded and laminated ribbon cables. Available from grey-zip to zero-halogen, which combines high-performance and value-for-money. Ideal for applications in very high-speed transmission for computers and communications equipment.

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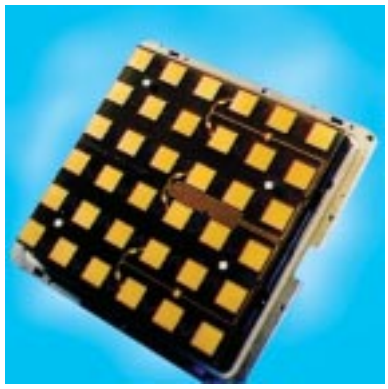
Power Distribution Assemblies
Amphenol manufactures a variety of PDA products. These are built with filter D Sub signal interfaces and Power poles. The filter D Sub connectors and shielded cables are terminated with 360° copper foil to withstand interference. The product is designed for BTS cabinets for signal/power distribution and data transmission. The EMI filter AC and DC port is mounted on this panel.

Data Cable Assemblies
Amphenol builds all types of single wire cables to multi wire cable assemblies, with a large number of breakouts and terminations, both soldered and crimped. The products are used in power transmission, signal distribution, and data transmission. Continuity and hi-pot tests are conducted on all of our products.

Flexible/Semi-Flexible Cable Assembly
Amphenol offers a wide range of flexible RF cable assemblies to MIL-C-17 specifications. All products give low VSWR, low loss and high propagation velocity. These are widely used in land mobile radio and, wireless BTS cabinet RF innerconnection. Our products are fully tested for Return Loss (VSWR), Insertion Loss or as per customer specifications.

Switching Cabinet Busbar
Amphenol offers complete laminated Busbar solutions for the wireless industry. The laminated design allows multiple voltages and high currents to be easily packaged into one structure. The unique feature of this design is its incorporation of insulated, interleafed ground shields, which reduce the effects of EMI, while maintaining electrical integrity. This design allows customers to eliminate expensive and complex filter arrangements.

Semi-Rigid Cable Assembly
Semi-rigid cable assemblies are provided as either straight or bent, with a large range of lengths as per customer specifications. The semi-rigid cable assembly is used in DC-26GHz applications. The product is characterized by low insertion loss and VSWR.



Planar Antennas
Amphenol provides state-of-the-art Planar antenna designs for Pico-cells, by utilizing the latest materials, with high gain up to 14 dBi in a wide frequency range, and up to 6 GHz for directional applications. Applicable to DECT, DCS WLAN, GPS, RFID, GSM, CDMA, and PCS.

Corrugated Cable Assembly
Amphenol builds a wide variety of corrugated cable assemblies, including N connectors, 7/16 connectors, 1/4" cables and 1/2" cables. Our products are in use on base station inner-connects and antenna feed cables. All assemblies are fully tested for VSWR and insertion loss.

Antenna Cables
Amphenol offers complete design solutions tailored to meet each individual customer's needs, by offering a wide range of RF cable assemblies for antennas for Satcom, Base Stations, Broadcast and CATV applications. We specialize in wireless, micro, miniature, subminiature and standard connector styles, using a variety of cable types, such as corrugated, flexible and semi-rigid.