Amphenol IT & Communications **Products Group**

People's Republic of China Main Sales Offices

Amphenol China

Beijing Office

Room A 1110, Nanxincang International Tower, No.22 Dongsishitiao Street, Dongcheng District, Beijing

Postalcode 100007 P.R China Tel:+86 10 64684019, 8523 5112 E-mail: info@amphenol.com.cn Fax:+86 10 6468 4020

Amphenol China

Room1703, No.560 ZhangYang Road, Pudong New Area, Shanghai, China. Tel: (8621) 58365500 Fax: (8621) 58365618 Postcode: 200122.

Amphenol China

E-mail: info@amphenol.com.cn

Shenzhen Office

FuZhong YiLu, FuTian, ShenZhen China Room 10 & 11,5/F, Metro Bldg .1016 Tel: +86 755 23992529, 23992531 Postalcode 518026 P.R China

23992536, 23992532, 23992545, Fax:+86 755 23992540

E-mail:info@amphenol.com.cn

China Chengdu

Amphenol Commercial Products

(Chengdu) Co., Ltd. Block D3, Chengdu Molding Tool Industry

Telephone: 87988678 Fax: 87988704 Park, Hong Guang Town Code: 611731

South Tsim Sha Tsui Kowloon Hongkong 2210 Railway Plaza 39 Chatham Road Amphenol East Asia Ltd. Tel:+852 2699 2663

Fax:+852 2691 1774

Asia Pacific Sales Operations 300 Beach Road #25-07 The Concourse Amphenol East Asia Ltd. Singapore 199555

Fax:+65 294 3522 Amphenol Australia 2 Fiveways Blvd., Keysborough Melboume, Victoria 3173

Tel:+65 294 2128

Tel:+613 8796 8888 Australia

Fax:+613 8796 8801

2 Fiveways Blvd., Keysborough Amphenol Australia Australia

Melboume, Victoria 3173 Fax:+613 8796 8801 Tel:+613 8796 8888 Australia

42285-A Osgood Fremont, CA 94539 Amphenol Asia US Sales Office

Amphenol East Asia Electronic Technology(Shen Zhen)Co,.Ltd.

Web: www.amphenol.com

Block A3/A4, The 4th Ind. District of Industrial Headquarters Dong Keng Road, Gong Ming Town

E-mail: info@amphenol.com.cn & marketing@amphenol.com.cn

Web: www.amphenol.com.cn

Fax:+86 755 27177622

Tel:+86 755 27177945

Shenzhen 518132

P.R.China

Amphenol Corporation World Headquarters - Wallingford, CT, USA Tel: +1-203-265-8900 Fax: +1-203-268-8516

Operations Hoofdveste 19 3992 DH Amphenol European Sales Houten

Tel:+31 30 6358000 The Netherlands

Fax:+31 30 6377034

Amphenol Japan KK

ku, Yokohama-City Kanagawa 222-0033 2-2-8 Shin-Yokohama Kohuku-

No.116, Lane 956, Zhong Shan Amphenol Taiwan Corporation Tel:+886 3 379 5677 Road, Taoyuan City

#558 SoSa, Song Nae Bucheon-Fax:+82 32 673 2507 Tel:+82 32 610 3800 Amphenol DaeShin city, Kyunggi-Do

Ampheno

Connecting People + Technology

Product Overview IT & Communication & Commercial Connectors



Amphenol

interconnect technologies that enhance the performance of our customers' products. We provide interconnect solutions Amphenol is one of the world's largest interconnect manufacturers. Founded in 1932, Amphenol designs, manufactures Schmitt's initial innovation, the first mass-produced radio tube socket, Amphenol has focused on creative leading edge for customers in the automotive, broadband, industrial, information technology and data communications, military and and markets electrical, electronic, and fiber optic connectors, interconnect systems, and coaxial and specialty cable. Amphenol was founded in 1932 as the American Phenolic Corporation by entrepreneur Arthur J. Schmitt. From aerospace, mobile devices, and mobile networks markets.

Whether producing billions of connectors for mobile phones or a single connector for the International Space Station, Amphenol has become the interconnect technology partner of choice to its customers.

Amphenol connecting people + Technology



.Backplane Interconnect (03—17)

2mm FB

Backplane Power Connectors

Headers & Sockets

Cardedge Connectors Micro TCA Connector 2.Internal I/O(SATA/PATA)(18—26) Internal Micro SATA Internal Micro SAS

Slim I/O & Slimline SATA SATA 6Gb/s

Internal Disk Drive Connectors PATA(Parallel ATA)

SATA Connectors & Cables

3.Internal I/O (SCSI/SAS) (27-34)

SCSI and Wide-SCSI

Device Interconnect

Spindle Motor Connectors

6Gb/s SAS

Mini PCI Express Connector

4.External I/O(Traditional I/O Connectors) (35—45)

Filtered Micro-Ribbon Connectors Micro-Ribbon Connectors

USB & Harsh Environment USB External I/O(HDMI) (46-48)

DisplayPort

External I/O(High-Speed I/O) (49—60)

SFP, IPF and XFP External SATA

INFINITY (4X/12X) External Mini-SAS

External I/O(Modular Jacks RJ 1 1 /45) (61—77) Standard Modular Jacks

Filtered and Shielded Connectors SMT Series Connectors

Stacked Connectors

External I/O(D-Subminiature Connectors) (78—100) Harsh Environment Modular Jacks Telecom and Industrial

Telecom and Industrial

5.Portable Device Connectors (101-106)

Battery and POGO Connectors SIM Card Connectors

I/O Sockets and Docking Station Connectors Memory Card & PCMCIA Sockets Mini DisplayPort USB & Mini-USB

Mini HDMI

Micro HDMI























Amphenol East Asia Electronic Technology (Shenzhen) Limited is a member of Amphenol Group operating in

China(ASCA). It was founded in 1984, located in Gongming town, Shenzhen City, P.R.C. It is a full license company with more than 2200 employees. The main products of this company are low frequency telecom connectors, such as back plane (2mm,IDC DIN, Airmax) connectors, I/O connectors, connectors for storage devices and fiber optic. It has 7 sales branches in China, including Shenzhen, Shanghai, Beijing, Xian, Wuhan, Xiamen and Qingdao offices.

- Active in south China since 1984
- Low frequency connectors for storage system and telecom devices
- - Wholly foreign owned enterprise ● 2200+staff

















Backplane Interconnect Solutions

Backplane Connectors





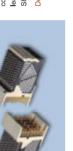




customers' needs for different standards. This includes the Ventura, GbX, VHDM and the cost Amphenol offers high performance circuits together with a full range of high-speed, high

41612 connector systems, and a series of innovative high-power Line card power connectors. Amphenol Commercial Products supplies the more traditional 2mm Future bus and DIN









high-density, board-to-board and cable-to-board applications. 2mm FB is available in 4- and receptacles. Available in header and receptacle assemblies with a choice of solder, press-fit 5-row versions and complies with the hard metric packaging standards used in high-density applications such as Futurebus+. The 2mm FB system offers design flexibility with PCB The Amphenol's 2mm FB (Futurebus+) connector is a modular 2.00mm grid system for receptacles and headers that are end-to-end stackable in modular building blocks. The system includes a unique high-pressure press-fit pin design in both headers and or IDC lead.

Detailed: Order information & Product Information pls refer to page 06

impedance control with optimized stagger to minimize signal crosstalk. This innovative leapfrog traditional complex Stripline designs, the AirMax VS solution utilizes "Virtual combination delivers a cost-effective interconnect for multi-gigabits/s applications. To The AirMax VS connector utilizes edge-coupling technology to improve electrical Shields," which eliminate costly metal interleaves between columns.

Detailed:Order information & Product Information pls refer to page 07/08

CDMA product introductions:

CDMA is a new I/O solution designed in cooperation with a major telecom equipment manufacturer for W-CDMA base stations and radio network controllers.

Low Profile CDMA Front I/O Connector System Combines SMT Pick and Place Board Connectors with Shallow Positive Lock Cable Connectors.

The goal was to combine signal (6x 622 Mbps or 4x 1.2 Mbps), hybrid (4 controls plus 2x 5 automated production of daughter cards (SMT Pick-and-Place) in a high-density shelf A) and power (2x 25 A) requirements in one connector system, which allows fully system with 15.0mm (0.59") Board-to-Board spacing.

for easy installation, prevents the cable from being pulled out and prevents solder joints of connectors use fully EMI-proof diecast shells with a positive latching system which allows Board connectors come in tape and reel packaging for fully automated production. Cable The cable assemblies are available in different cable lengths, types and configurations. the PCB connector to be stressed by locking the cable to the front panel.

They can be easily customized to suit customer needs and applications (e.g. D-SUB; RJ45;

Detailed:Order information & Product Information pls refer to page 09

Headers & Sockets (812 / 816 / 821 / 916&912 Series)

technology. Available in various sizes from 10 to 64 contacts with or without mold-in center disconnect capabilities are required. Termination is fast and simple by means of IDC Amphenol 812 series IDC Socket connectors can be used where quick connect and polarizing key.

mounting, with different tail lengths. Lock and eject latches may be added to reduce strain Amphenol 816 series 4 wall-protected headers are available in right angle / straight on the cable and PCB when removing mating socket connectors.

The Amphenol 821 series of low profile protected headers is a cost effective solution to applications requiring quick connect and disconnect capability.

The Amphenol 916 &912 Series are the 1.27mm pitch while 812,816&821series are

Detailed:Order information & Product Information pls refer to page 10/14













ACS Series

performance on durability test and has small overall size to make the whole instrument Amphenol ACS series connector is designed for self-monitoring of blood glucose instrument. 8 pin terminals press the detective sensor to collect data. It has great with the smaller volume.

Detailed:Order information & Product Information pls refer to page 15

Backplane Power Connectors

Amphenol's Backplane Power series is designed to package high power availability in a small form factor, with customized options. This new range has many unique features The connectors are available in various forms to transfer power from source to line to meet or exceed existing competitive products in power density.

for direct power from the bus bar into the line cards without adding complexity to midcards, and from the backplane to line cards or mezzanine cards. Other designs allow plane. These connectors are available with 40 amp and 60 amp contacts.

The 60 amp contacts incorporate the Radsok technology allowing a 50% increase in current.

Low voltage drop High reliability

High cycle durability Low insertion force Low cost

High power density

Cardedge Connectors

desktop PCI-Express implementation. It supports a 2.5 Gbps data transfer rate (per pair The Amphenol Cardedge connectors include PCI, AGP, DIMM, DDR2 connectors. The user flexibility. PCI-Express enables hot plug connection and hot swap. Available in 1X of data bandwidths). Its scalable modular design maximizes card interoperability for latest member is PCI-Express which complies with the PCI SIG specification for (36pos), 4X (64pos), 8X (98pos) and 16X (164pos).

Micro TCA(Micro Telecom Computing Architecture) Connector is for micro TCA application, and complementary to ATCA (Advanced Telecommunications Computing Micro TCA Connector(Advanced Mezzanine Card Conn): Architecture) The connector has two rows contacts spaced on 0.75mm centreline. There are 170 contacts (2*85) on the mating face. It is mated to 1.6mm thickness printed circuit board.

Detailed:Order information & Product Information pls refer to page 16

Amphenol SCA2 (Single Connector Attachment) allows SCSI disk drives to be attached directly to backplanes.

Available in 40- or 80-position

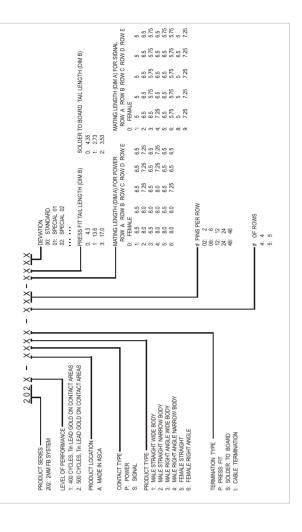
Blindmate direct attachment of disk drives to backplanes or motherboards Single I/O connector for 3.5" SCSI disk drives

Accepted polarized "D" connector interface

Meets the requirements of Specifications SFF-8045 and SFF-8046

Ordering Information

2MM Series



Product Information

Amphenol 2mm FB Connector 4



2021AS1P4061000





2021AS4S4062101

2021AS6S4060101

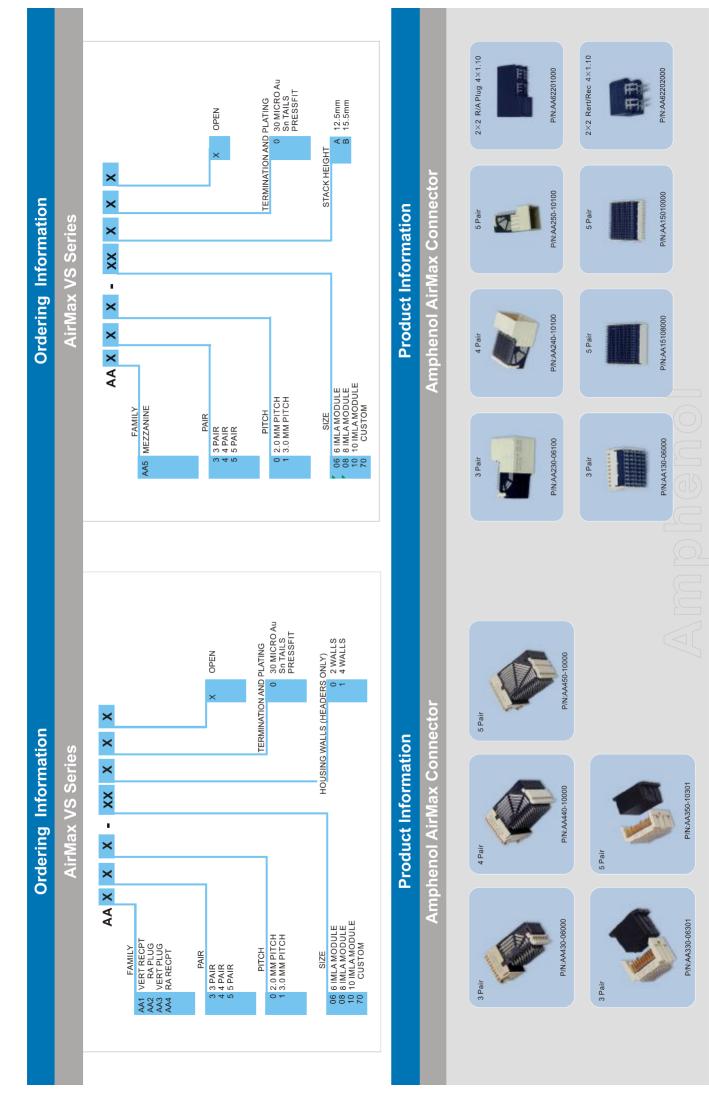




2021AS5P5120001

2021AS6P5240200

05 BACKPLANE INTERCONNECT

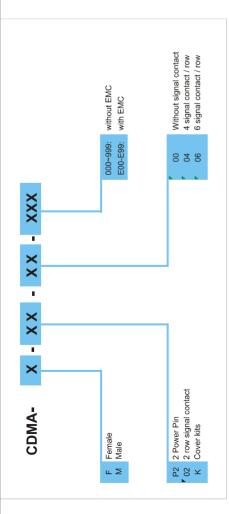


07 BACKPLANE INTERCONNECT

BACKPLANE INTERCONNECT 08

CDMA Series

812 Series



Product Information

Amphenol CDMA Series Connector













P/N: CDMA-F-P200-000

P/N: CDMA-M-0206-001

P/N: CDMA-P-C-002-2





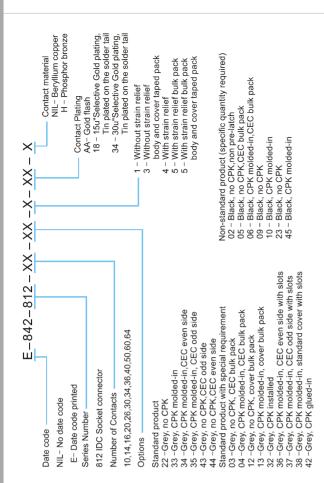
P/N: CDMA-F-K-0000

P/N: CDMA-F-K-0001

P/N: CDMA-M-P200-000

P/N: CDMA-M-P204-000

Ordering Information



Product Information

Amphenol 812 Series





P/N:84281240334XX

40Way



P/N:84281264334XX

P/N:84281250334XX

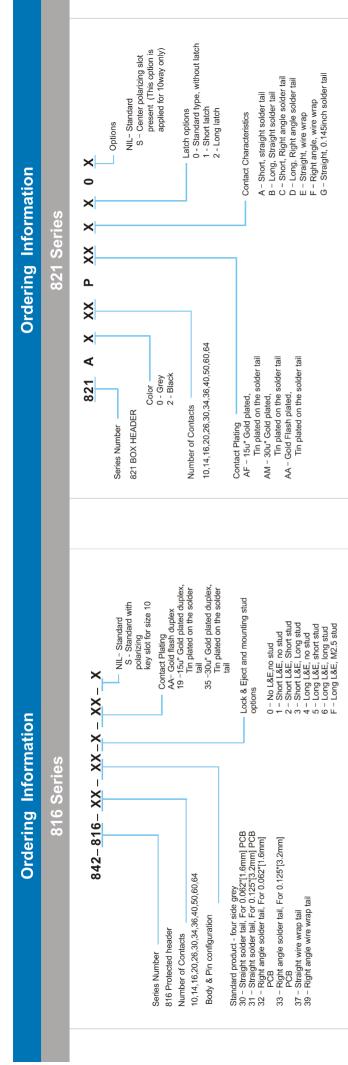
50Way

64Way



P/N:84281210334XX 10Way

BACKPLANE INTERCONNECT 10



Product Information

Amphenol 816 Connector

Amphenol 821 Connector

Product Information



14Way P/N:842-816-14-314XX

10Way P/N:842-816-10-314XX

14.9









821A016PAAD00

821A026PAMA00



821A034PAFA10

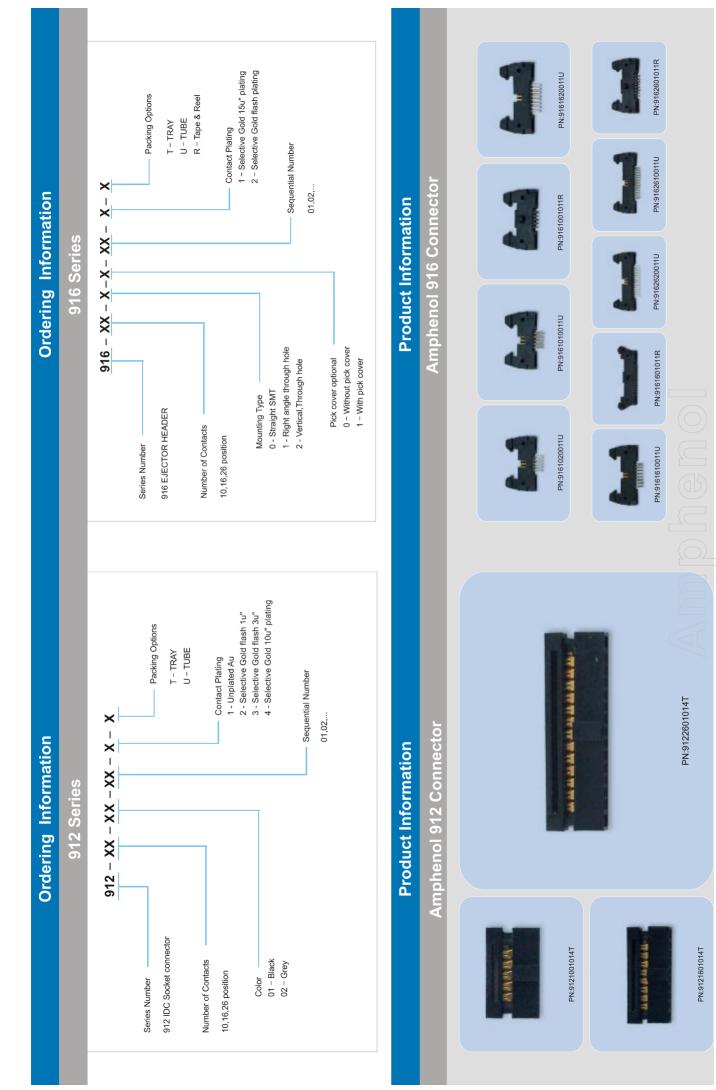
821A020PAFC10

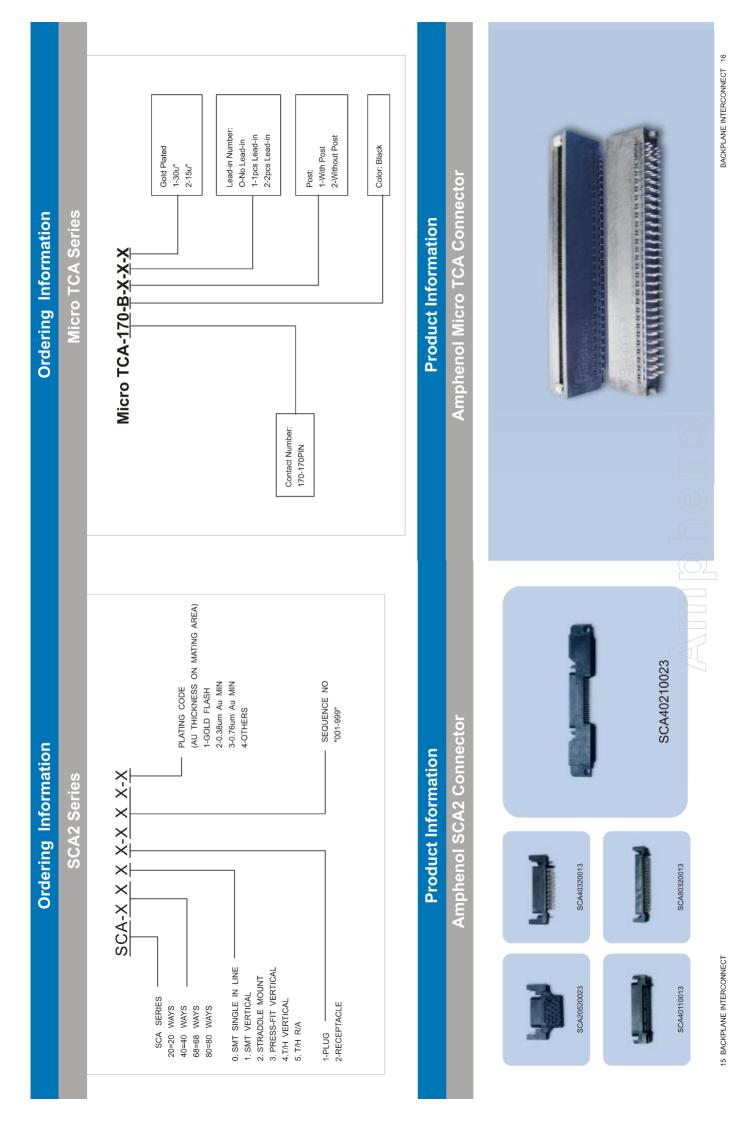
34Way P/N:842-816-34-314XX

26Way P/N:842-816-26-314XX

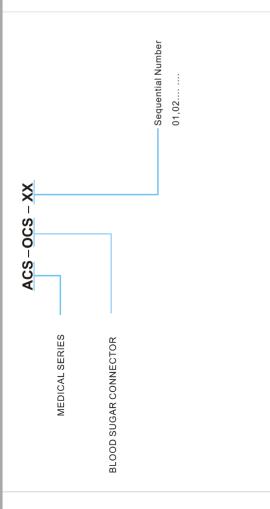
50Way P/N:842-816-50-334XX

64Way P/N:842-816-64-314XX



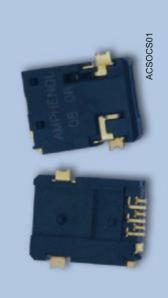


ACS Series



Product Information

Amphenol ACS Connector



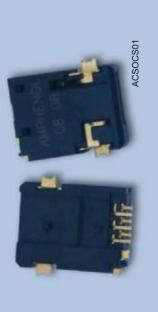
Internal I/O SATA/PATA&Internal Disk Drive Connectors







ons including SATA, SAS, PATA, SCSI, SCA2, Mini-SAS, CFI and CFII. We offer various mounting g edge of technology in the fast growing Server and Storage market, offering integrated insides for all form factors of hard disk drives including 0.8",1",1.8",2.5"and 3.5".In ddle Mount Straight or Right Angle Solder DIP and SMT. The solutions cover board mount











SATA (Serial ATA)

the device box, lowering manufacturing and maintenance costs. It also allows for flexibility connectors(signal and power). Standard and customized cable assemblies are offered in Serial ATA provides much higher speed of data transfer than the traditional Parallel ATA standard Its cable is much smaller than that of PATA and provides better air flow within in system design. Amphenol offers a complete range of plug and receptable conjunction with connectors.

Options
Plug/Receptalbe

Plug/Receptalbe	Options
Combo Plug	 Straddle Mount, SMT or Solder DIP
(Signal+Power)	 Combo Plug with Testing Pin

Combo Plug with Legacy Combo Solder DIP

 Combo Receptacle Straight Solder DIP Combo Receptacle

Combo Receptacle Straight SMT (Signal+Power) Straight or Right Angle Solder DIP or SMT Double Deck Right Angle SMT
 4x I Straight or Right Angle SMT Plug (Signal)

 Solder or crimping Cable end

(Signal/Power)

Detailed:Order information & Product Information pls refer to page 19

Internal Micro SATA

and includes a provision for a future voltage requirement of 5 V. In addition, there is a Amphenol's internal micro SATA connector is designed to enable connection of a slim 1.8 inch form factor HDD or SSD to the Serial ATA interface. The internal micro Serial ATA The signal segment has the same configuration as the internal standard Serial ATA connector. The power segment provides the present voltage requirement support of 3.3 V, connector uses the 1.27 mm pitch configuration for both the signal and power segments. reserved pin, P7. Finally, there are two optional pins, P8 and P9, for vendor specific use.

Detailed:Order information & Product Information pls refer to page 21

Internal Micro SAS

Amphenol's internal Micro SAS connector uses the same 1.27mm pitch for both the signal and power segments as the Micro SATA connector as defined in the SATA specification. In addition, it contains a second signal segment on 0.8mm pitch similar to the SAS internal connector as defined in SFF8482.It contains an optional pair of contact opposite the primary signal contact group.

Detailed:Order information & Product Information pls refer to page 20

SATA 6Gb/s

It is backward compatible with 3Gb/s and 1.5Gb/s, allowing the same cables and same to 6 gigabit/second, allowing consumers to move large amounts of data at a faster rate. Amphenol's SATA 6Gb/s doubles the maximum transfer speed from 3 gigabits/second connectors configuration as 3Gb/s

Detailed:Order information & Product Information pls refer to page 20



computers. Amphenol slimline SATA is designed to achieve size compatability with PATA connector slimline designs. Without changes to the drive case media tray, or internal mechanics it simply requires a replacement of the PATA PCB with a SATA profile, 0.8mm contact space for standard PATA interface. The connector is used in The Amphenol slim I/O board-to-board connector is designed to fit into low applications such as the thin DVD or CD-ROM drive bay for notebook controller and the slimline connector



A PATA connector is included in the Amphenol traditional 864 series,which combines signal, power and control in one connector. This feature yields lower manufacturing cost and high productivity in the PCB assembly. The connector meets SFF-8059 Specification. PATA cable assemblies are available for customized requirements.

- Polarizing features available for proper mating
- Higher temperature plastic available for SMT assembly
- Four friction dimples in the power portion hold the mating receptacle more firmly Straddle mount for PCB thickness:1.22+/-0.13mm

 - Through hole for PCB thickness:1.27+/-0.13mm



Internal Disk Drive Connectors

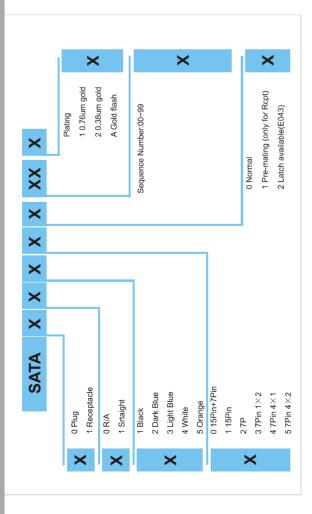
supplies a full range of spindle motor connectors and jumpers. Amphenol is also a leading supplier of interconnect solutions to other storage devices such as optical drives. compressive, header/socket, to board to board connectors. In addition, Amphenol Amphenol supplies Board-to-Board and Spindle Motor connectors specifically designed for hard disk drive application for all form factors including 0.8",1",1.8",2.5" and 3.5". Our Read/Write connectors range form



SATA Connectors & Cables

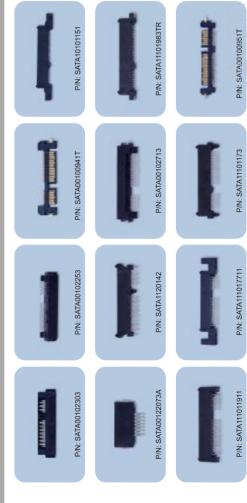
cable assemblies. SATA provides much higher-speed data transfer than the traditional provide better airflow within the device box, lowering manufacturing and maintenance Parallel ATASTANDARD.SATA cables are also much smaller than that of PATA and Amphenol offers a complete range of standard and customized Serial ATA(SATA)

SATA Series



Product Information

Amphenol SATA Connector







SATA11101171









SATA101017913





SATA11101171

SATA11101521



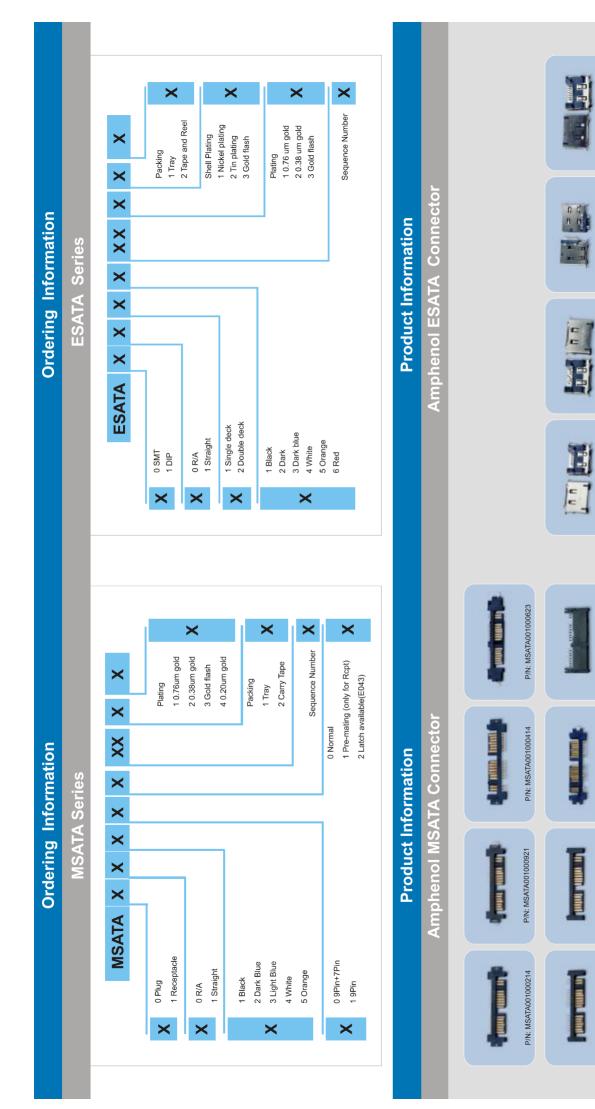
SATA01122312 Lum,











INTERNAL I/O 24 P/N: MSATA001000921 P/N: MSATA111010411 23 INTERNAL I/O

P/N: ESATA001109111

P/N: ESATA121101121

P/N: ESATA101107111

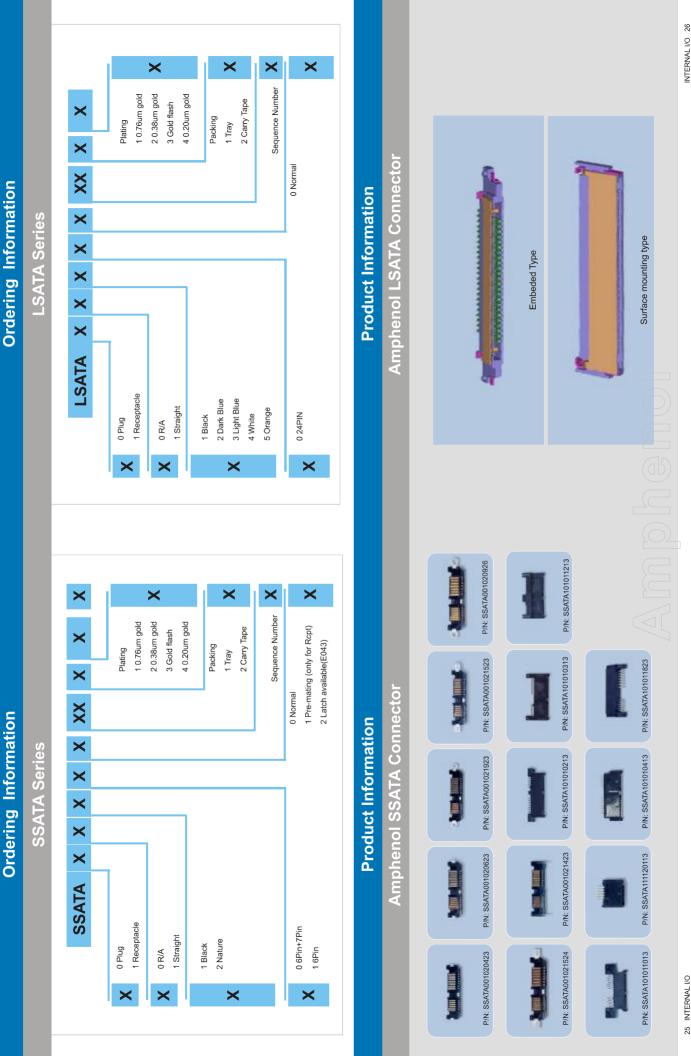
P/N: ESATA101111111

P/N: MSATA101010211

P/N: MSATA001000311

P/N: MSATA011000811

P/N: MSATA011000723













SAS (Serial attached SCSI)

SAS (Serial attached SCSI) is a point to point connectivity storage system architecture that has many advantages over its parallel SCSI predecessor. It is designed to replace the SCSI interconnect system with a much smaller, more flexible serial design. SAS connectors allow devices to be cabled or directly attached to the backplane. Data speed can be up to 6 Gbps. Amphenol provides a full range of SAS cable and board mount connectors as well as cable assemblies.

Connector Position 19-pos, 29 pos, 32pos

Backplane Packplane	Straight Receptacle Solder DIP
	Straight Receptacle SMT
	Straight Receptacle Hybrid (Solder DIP + SM
	Straight Receptacle Press-Fit
	Straight Plug SMT
	Straight Plug Press-Fit
	Right Angle Receptacle Solder
	DIP Right Angle Receptacle SMT
	Right Angle Plug SMT

Cable-end Cable Plug Cable Receptade

- Easter data speed (up to 6.0Gbps) and much better system performance
 Point-to-point topology eliminating the need of hubs allows for flexible system
- topology and better scalability of system

 Allows more disk arrays in the same space as needed in the SCSI system
- Allows more disk arrays in the same space as needed in the SCSI system
 The cable length can be longer than 8 meters without causing any defect in signal
- Simpler cable routing and better system airflow

transmission

- Compatible also with SATA disk drives
- Meets the requirement of SFF-8482 Specification

Detailed:Order information & Product Information pls refer to page 26

SCSI and Wide-SCSI

Amphenol provides a wide range of SCSH1, -2, -3 connectors for cable mounts, PCB mounts and cable assembly. SCSI (Small Computer System Interace) is a parallel I/O bus system used to connect computers to peripheral devices such as disk drives, tape drives and printers. The Amphenol wide-SCSI 3-in-1 combo combines the signal ID and power together in one connector with the following selections:

SCSI + Header (6x2) + Power, Straddle Mount

SCSI + Header (6x2) + Power, Surface Mount, Single in Line

SCSI + Header (16x2) + Power, Straddle Mount









profile, 0.8mm contact spacing for standard ATA interfaces. Amphenol also offers slimline SATA designed to achieve size compatablity with Slim I/O designs. The connector is used Amphenol offers a wide range of interconnect solutions for internal devices such as Hard Disk Drives and DVD Drives. The Amphenol Slim I/O connector is designed to fit into low in applications such as thin DVD or CD-ROM drive bays for notebook computers.

Spindle Motor Connectors

application. We provide a wide range of compression connectors for 0.8', 1', 1.8", 2.5" and Amphenol's Spindle Motor connectors are also specifically designed for the disk drive 3.5" drives. We are very responsive to tailor-made specific requirements.

RPS Series Connectors

provided a quick mating push-pull mechanism, and provided 16pin press-fit mount feature. Amphenol RPS series connectors are used for high amperage applications, the feature The plug side is a single pin with silver plating on the contact area, the optional pin size

are \$3.0mm, \$5.0mm etc...
The socket side is a crimp contact with gold plating on the contact area.
Amphenol also offers board-to-board RPS connector, and provided various mating height.

6Gb/s SAS

Amphenol's second generation SAS, 6Gb/s SAS, improves on the serial technology by increasing performance and throughput with a 6Gb/s interface and enhancing robustness with a more comprehensive feature set.

Mini PCI Express Connector

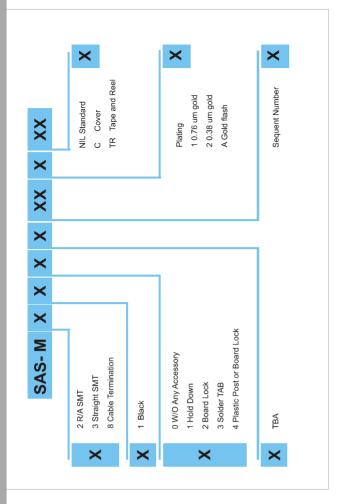
Low profile(Low mounted height) Smaller Factor

Side solder tabs Polarization key

Good mechanical shock performance

Ordering Information

SAS Male Series



Product Information

Amphenol SAS Male Connector







P/N: SASM3130631

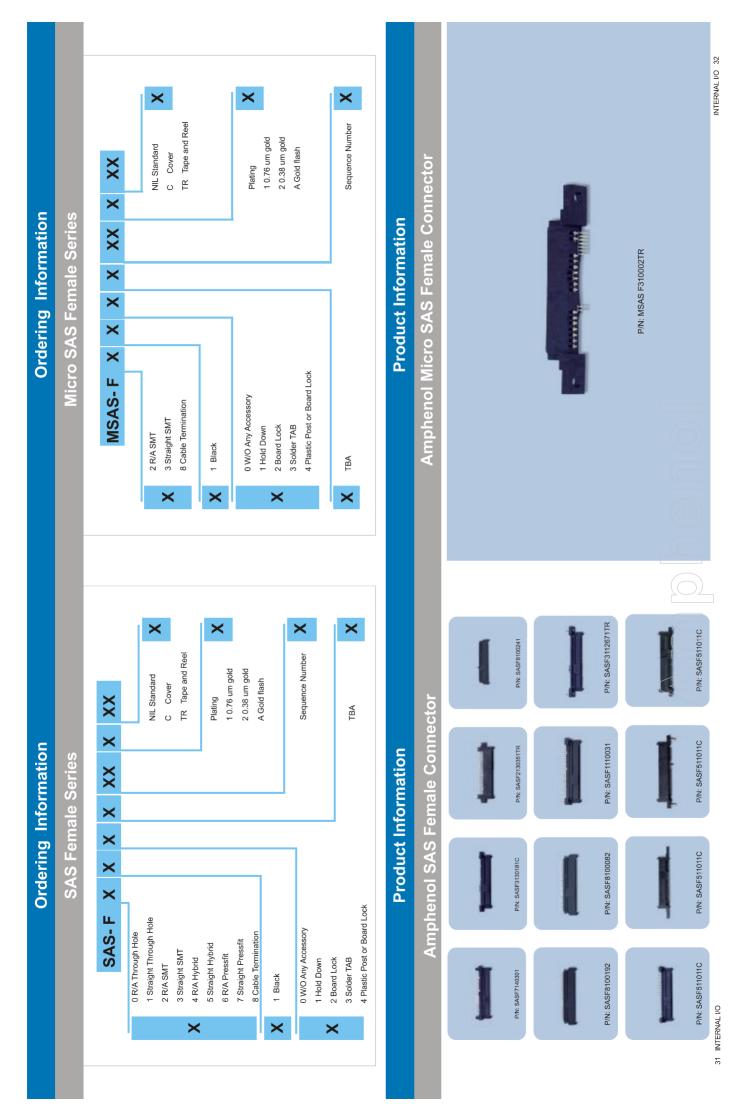


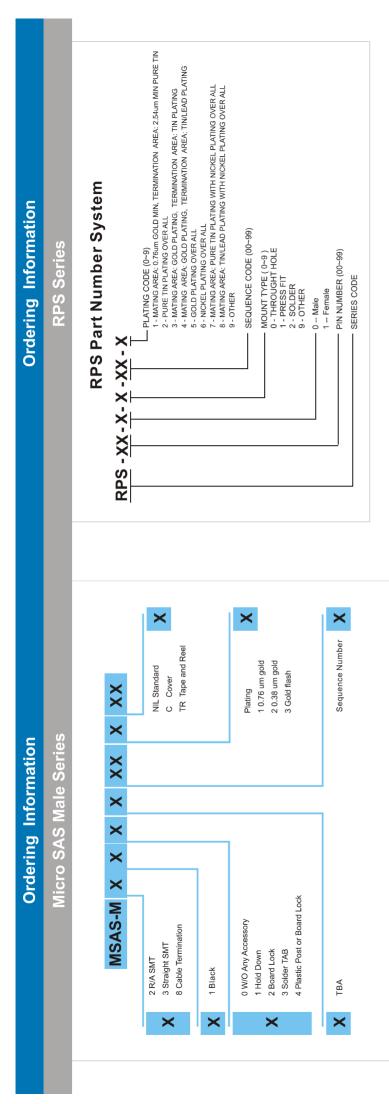


P/N: SASM2100011

P/N: SASM3100031

29 INTERNAL I/O







Amphenol RPS Connector

Amphenol Micro SAS Male Connector

Product Information

Product Information

External I/O

Fraditional I/O Connectors

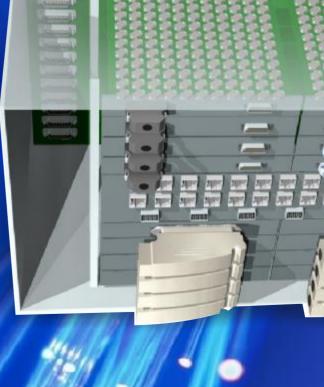
Subs and professional audio connectors, Amphenol manufactures all industrial standard products as applications. In addition to complete product families of high-speed interconnect, modular jacks, D-Amphenol provides a wide range of input/output connectors for different market segments and well as customized connectors that are tailored to our customers' unique environments.



















Micro-Ribbon Connectors

cable to panel, cable to cable and PCB types. The 57LE series Micro-Ribbon connectors designed to mate easily and positively. The connectors are available in rack and panel, The 57 series Micro-Ribbon (Centronics) connectors offers a fast, economical and distinctively different method of achieving electrical interconnection with contacts offers a low cost Right Angle PCB mount version.

features and reliability of 57 series Micro-Ribbon solder type connectors with the speed The 157 series Mirco-Ribbon IDC cable mount connectors combines the field-proven and convenience of IDC solderless terminations.

The 957 connectors are tailor made double deck, high-density Micro-Ribbon connectors. The 257 series (SCSI-2) provides a cost effective solution to data transfer applications. Available with 50, 68 and 100-way contact connectors, cable mount and board mount.

Detailed:Order information & Product Information pls refer to page 30/34

a small footprint connector, creating a reliable system for repetitive pluging and unpluging mount, wire-mount, and cabling components. Ribbon contact is on a grid, which provides Amphenol's MDR is a high-density shielded I/O connector with a broad range of boardin I/O application.

Available with 26, 68 and 100-way contact connectors, cable mount and board mount. The 858 MDR (Mini D Ribbon) connectors are high-density shielded I/O connectors.

Detailed:Order information & Product Information pls refer to page 38

Filtered Micro-Ribbon Connectors

also offers a variety of termination styles: male/female adapters, right angle PCB, vertical capacitors that can meet high voltage requirements. These connectors were designed to effective solution to EMI. This family of connectors is the telephone industry's standard connectors for multiple lines interconnect. Available in 36, 50 and 64 sizes, Amphenol Amphenol FCC57 series of Filtered "Micro-Ribbon" connectors provides a very cost press-fit and solder cup. A variety of capacitance values are available including fit in the same footprint as the 57/157 standard micro-ribbon connectors.

USB & Harsh Environment USB

vibration standards. Utilizing die cast metal shells, MUSB is usable with various mounting of up to 480 Mbps. Available with different mounting options, including through hole, SMT Specifications Version 2.0 and using asynchronous and isochronous data transfer rates and termination methods. The PosiLock USB series provides a locking latch to prevent Amphenol's harsh environment MUSB is designed to meet IP67, military shock and stack and vertical mount. Connector type includes Type A, Type B and Type AB. interconnection technology designed in accordance with Universal Serial Bus The Amphenol series of USB receptacles and plugs is a complete system of accidental un-mating. The series accepts standard USB plugs.



57 Series

Consult factory for available deviations

Deviation

Sequential Number

Keyed Shells

0 - No Key

Number of Contacts

14,24,36,50 & 64

Stranded wire: 24 AWG max. 30 AWG min.

3:With Mounting Screw

Solid wire: 22 AWG max. 30 AWG min.

Wire Gauge size

Cable Entry for Cable to Cable Use, receptacle

8 - Right Angle Hood, receptacle type

7 - Right Angle Hood, plug type 9 - Right Angle PCB, receptacle 57/157Deviation Codes

4 - Panel Mount with Spring Locks, receptacle 2 - Float Panel Mount, receptacle type

1 - Fixed Panel Mount, plug type

Series Number

5 - Cable type, Side Cable Entry, plug 3 - Cable Type, Top Cable Entry, plug

6 - Spring Lock Plug Shell with Top

Ordering Information 57LE Series

Insulator color/Tail Orientation 6 - 30u" gold mating area, Pure Tin tail 7 - 15u" gold mating area, Pure Tin tail 8 - Gold flash mating area, Pure Tin tail **Deviation Code** O – Blue, standard type R – Blue, reversed type B – Black, standard type C – Black, reversed type See deviation H - High Temperature 2: 2.75mm for 2.4 T PCB -0 - Less cover C - With cover (N/A) Tail Length 3 - 3.4 mm Contact Plating 57LE Part Number System 57LE D47 - Low Cost 57LECONNECTOR 4-40 RIVETS WITH BOARDLOCKS D55 - Same as D47 But Boardlock FOR 0.125" PCB Hole D98 - 64 PIN, WITH BIL, 4-40 RIVET FOR MOUNTING D99 - NO FLASH FOR Panel of FRONT SHELL 2 - Receptacle without spring latches 4 - Receptacle with spring latches Metallic Front Shell type -0 - Standard type Number of Contacts 3: No back shell Keyed Shells 2-4-40 with B/L o - No Key Connector Type -36 & 50,64 Deviation Codes 0 - #4-40 UNC-2B Standard ground tab D3 - 3.2 mm through hole ground tab D29 - Boardlock (soldering tab) 1 - Plug

(450) 57/157 series contacts plated 50 micro inches gold select over 50 micro inches nickel all over contacts have bare edges

(448) 57/157 series contacts plated 30 micro inches gold select over 50 nickel all over contacts have bare edges.

(441) Tin over nickel plated shells.

(424) Contacts gold flashed all over with 30 micro inches of gold selective plated over 50 micro inches of nickel. 1/30/50 (398) Connector shells and steel hardware nickel plated.

Product Information

Amphenol 57 Connector









Amphenol 57LE Connector

Product Information





Low profile,50 way, R/A,Female

64way,R/A Male 577064017

50Way, R/A, Female, Spring latch





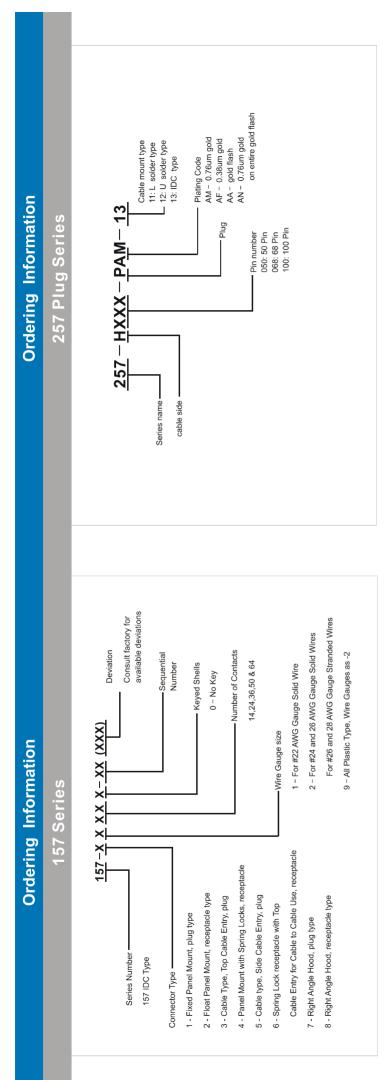




EXTERNAL I/O 38

36 way, R/A, Female

37 EXTERNAL I/O



1573250018 15712640 157125002539872 157125003 Amphenol 157 Connector **Product Information** 1571250025(398)(472) 157795001 15772500448 157295003

1571857

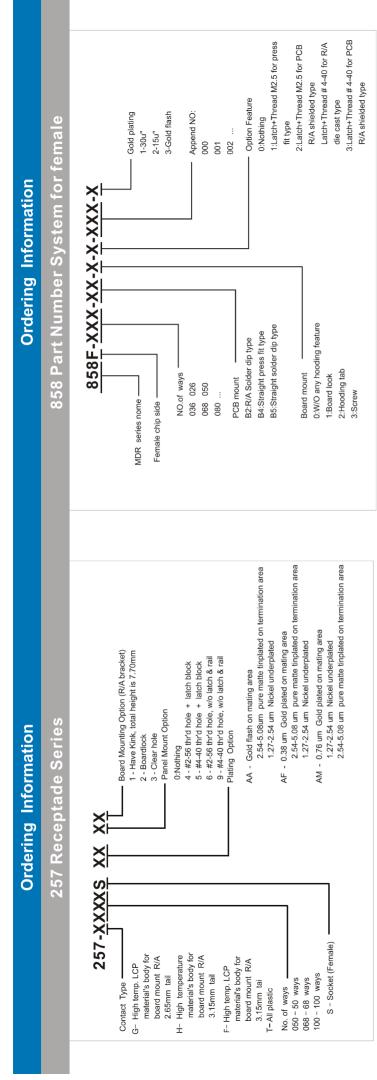
Amphenol 257 Plug Connector

Product Information



1577264059(398)(448)

1571250010441



257F100SAM42 858-F080-B401-0021 858-F088-B401-0021 858-F080-B401-0021

257F068SAM42

257T168AA00

Amphenol 858 Connector

Amphenol 257 Receptade Connector

Product Information

Product Information

858-F026-B21-2009X



858 Part Number System for Male (cable type)

Ordering Information

957 Female Series

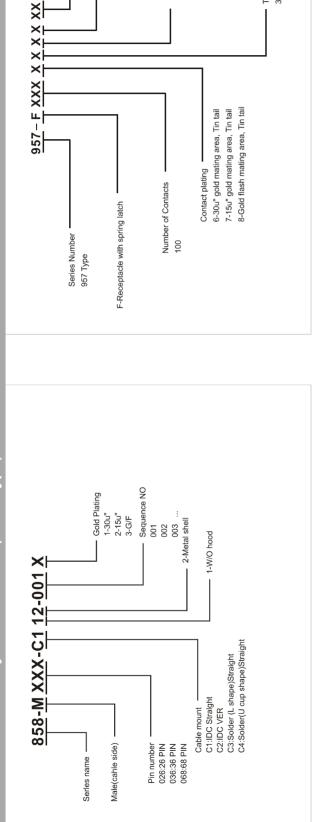
0#4-40 screw+BL+spring latch

Sequential
Number
Mount type

1-spring latch+BL 2#4-40 screw+BL Insulator color/tail orientation

0-Blue, standard type R-Blue, reverse type B-Black, standard type C-Black, reverse type

Tail length 3-3.4mm



Product Information

Amphenol 957 Female Connector

Amphenol 858 Connector

Product Information







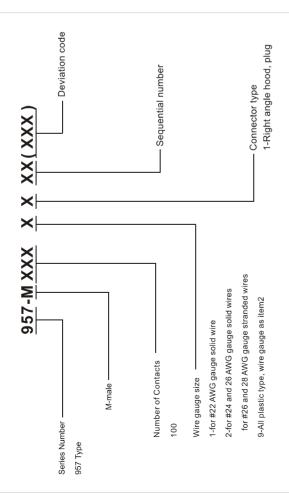






43 EXTERNAL I/O

957 Male Series



Product Information

Amphenol 957 Male Connector



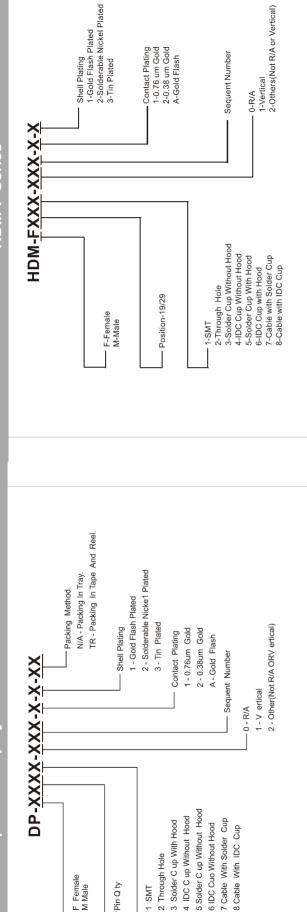


Product Information

Amphenol Display Port Connector

Ordering Information

HDM-F Series



2 Through Hole

—1 SMT

— F Female M Male

—Pin Q ty

Product Information

Amphenol Display Port Connector



















Amphenol HDM-F Connector

Product Information



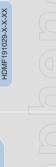




HDMF192038XXXX

HDMF191022-X-X-XX

11





External I/O High-Speed I/O









Amphenol offers a full range of high-speed connectors with data rates ranging from 1 Gbps to 80 Gbps and beyond, meeting customers' various high-speed connector requirements and objectives including:

- Increased platform density for scaling improved performance in defined physical space
- Servers that can scale I/O and processing power independently
- Racks of servers that can be managed as one
- Servers that can share I/O resources autonomous unit
 - True "plug-and-play" I/O connectivity
- 10 Gbps and higher Infinity 12x Infinity 4x

3 Gbps and higher Gbps and higher 4 Gbps and higher

> External Mini-SAS External SATA

3 Gbps

Data Speed

RJMaq Giga











3 9 3

/HDCI (Very High Density Cable Interface)

ransferring data up to 4 Gbps and meet EIA700A0AF specifications. Receptacles are compact, these fully shielded connectors support ESD/EMI protection, are capable of where space limitations and high performance are key requirements. Designed to be available in both right angle and straddle-mount configurations with or without shield EMI tabs. Plugs are available with a variety of back shells, or without a back shell for VHDCI (Very High Density Cable Interface or Ultra-SCSI) provides interconnections over-molding purposes. VHDCI cable assemblies are available for customized

Detailed: Order information & Product Information pls refer to Page 51

SFP, IPF and XFP Connector and Cage Assembly

Technology We offer all sizes including single port, ganged (1 xN) and the stacked (2xN) Amphenol's extensive range of high-speed SFP/IPF connector and cage solutions utilize a 20 position connector with a metal cage enclosing the connector. SFP (Small Form family, with data speeds up to 4 Gbps per port and higher. More special features such as LEDs will continue to be introduced. The cages are a one-piece construction with version and longer or shorter pins are available. The next generation XFP connector enhanced transceiver mating tabs. The cages are available in a press-fit or solder Factor Pluggable) is used to support Fiber Channel, Fast Ethernet and Gigabit and cage will allow the speed to reach 10 Gbps per port.

External SATA

much faster than contemporary external storage solutions such as USB 2.0 and Firewire Amphenol's high performance external SATA has evolved from SATA that was originally same performance and features to external storage needs. A data speed of 3 Gbps is designed as internal or inside-the-box interface technology. External SATA brings the (IEEE 1394). Available in both board mount and cable end connectors, e-SATA cable assemblies satisfy customized requirements.

External Mini-SAS

Amphenol's External Mini-SAS is one of the latest members of the high-speed I/O family. This connection system is based on industry-proven card edge style contacts. Mini-SAS separately to the body so that the stress imposed by insertion and removal of the cable is designed to satisfy the needs for gigabit serial data transmissions with signal speeds across the connector interface of up to 3 Gbps and higher. The cage is mounted olug does not affect the signal / body solder joints.

INFINITY (4X/12X)

Amphenol's INFINITY 4X & 12X series of connectors facilitates data speeds up to 10 & receptacles, plugs and cable assemblies are available to fit multiple connectors into a configuration in a 1U form factor chassis. INFINITY cable assemblies are available for SCSI Trade Associations, with superior EMI performance. INFINITY connectors are 30 Gbps respectively, as required by InfiniBand, Fiber Channel and Serial Attached 1U form factor and PCI bracket. Plug kits are available with a variety of cable size high-density and hot pluggable, and meet Specifications SFF-8470. A variety of options as well as a unique low profile version that will allow a belly-to-belly sustomized requirements.

VHDCI Series

CT - Plug cover and tape & reel packaging - STRADDLE MOUNT PACKAGING C - Plug cover and tube packaging* 4 - 0.093" PCB thickness* TAIL LENGTH OPTIONS 3 - 0.062"PCB thickness* T - Tape&reel packaging 1 - 0.125"contact tails** Blank - standard** H11- \overline{XXX} - \overline{XXX} - \overline{XX} * 110 - No screwlocks (standard),shell without EMI tabs 111 - Screwlocks bulk packed,shell without EMI tabs 101 - Screwlocks bulk packed, standard shell 100 - No screwlocks, standard shell RDA - Straddle mount, single port RAA - Right angle, single port H11 - Standard receptacle He11 - ROHS receptacle VHDCI RECEPTACLE -

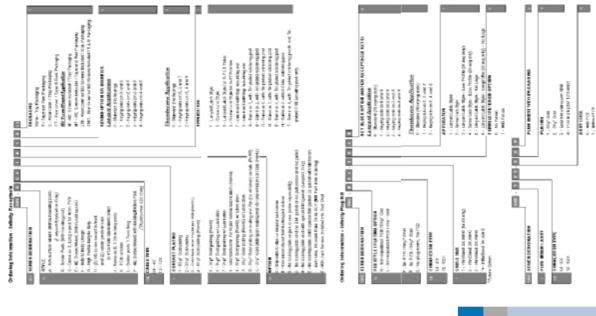
Product Information

Amphenol VHDCI Connector



Ordering Information

U65 Series

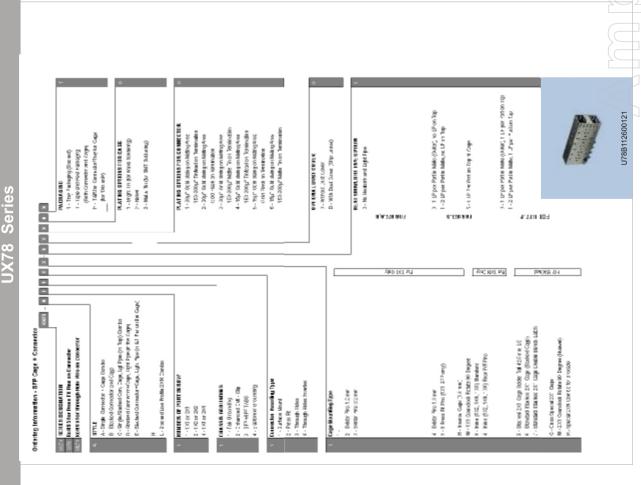


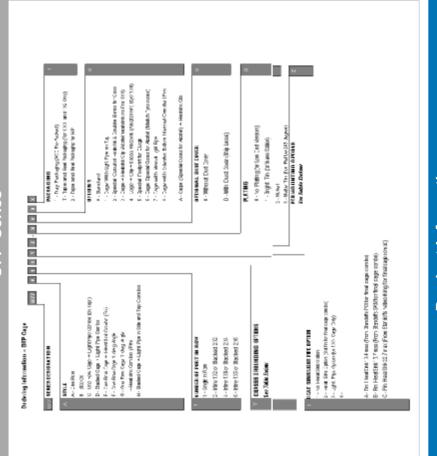
Product Information

Amphenol U65 Connector



EXTERNAL I/O 52 51 EXTERNAL I/O





Amphenol U77 Connector Product Information



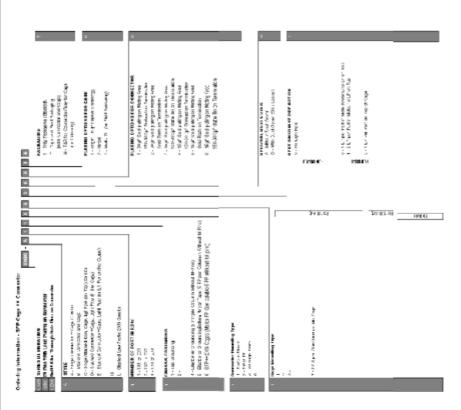


U77C441M2011



53 EXTERNAL I/O

UX86 Series



Product Information

Amphenol UX86 Connector





U86D2427×0121





Ordering Information

FS Series

FS Series FS1 - R26 - X00X

Connector

Part Numbers

R26 - 26 position connector

R26 - 26 position connector

Author Source of the connector of the connector

R38 - 38 position connector

Product Information

Amphenol FS Connector

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

SASF3110061C SASF0130022 SASF8100241 SASF5140241 SASF5110262C

FCI / Amphenol:

MSATA111010431