Apart from to focus on customer satisfaction in providing consistently excellent service and quality product, The ALEX will continue to redouble its efforts in the dimensions above to act as a positive force in society. Looking to the future, The ALEX will to redouble its efforts in creating value for all our stakeholders, we hold firm to our commitments in environmental sustainability, and aspire to act as a benchmark for others.

Chairman and CEO

Alex Liu

*C*onpany *P*rofile

Established in 1982, ALEX Connector Co., Ltd. is a high-quality electronic connector manufacturer. The ALEX has over 30 years of manufacturing technology and experience. As the pioneer and innovator of Taiwan electronic connection, The ALEX has established excellent reputation in the connector industry. With the rapid growth of the company's business, The ALEX service has been gradually extended to 3C electronic products from early the metal stamping original and precision plastic molding components.

The ALEX has been offered more than thousand kinds of connector products to electronics makers around the world. Our products, including Housing, Terminal, Wafer & Header, Wire Harness, Cable Assembly, etc., are widely used in computer products, communications products and consumer electronics products and other diverse applications.

The ALEX adheres to focus on Quality of product first, Service of clients first. Our products have obtained UL, CSA, TUV, ISO9001: 2000 and other international safety certification. In addition to providing the services of the international electronics manufacturers, ALEX provides and meets the needs of the small amount of various customized products.

*C*ompany *M*ilestone

Providing consistently excellent service and quality product.

- 2014 Sep The ALEX had achieved the ISO/TS 16949 Automotive ANFOR Certification
- 2011 May The ALEX had set up a subsidiary in Shen-zen, China.
- 2009 Jan The ALEX had completed the upgrade process of ISO 9001:2008 and ISO 14001-2004.
- 2006 Feb The ALEX had achieved the Certification issued by UL.
- 2001 Sep The ALEX had completed the upgrade process of ISO 9001:2000
- 1999 Apr The ALEX had achieved the Certification issued by CSA.
- 1998 Nov The ALEX was first awarded ISO 9002:1994 by RWTUV.
- 1998 Sep The ALEX had achieved the Certification issued by TÜV.
- 1994 Feb The ALEX set up Auto-Crimping Machine plant
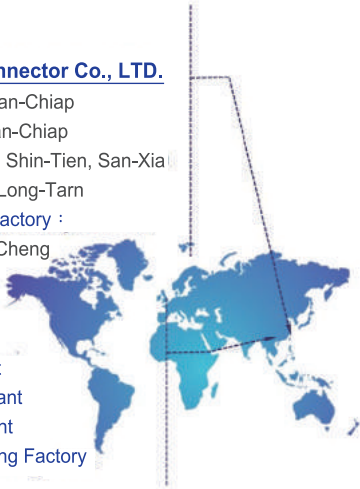- 1982 Jul The ALEX was approved to set up.

Taiwan (New Teipei)

Head office：ALEX Connector Co., LTD.
Wire Processing Plant：Pan-Chiap
Cable Modeling Plant：Pan-Chiap
Terminal Stamping Plant：Shin-Tien, San-Xia
Auto Pin Inserting Plant：Long-Tarn
Plastic Injection Molding Factory：
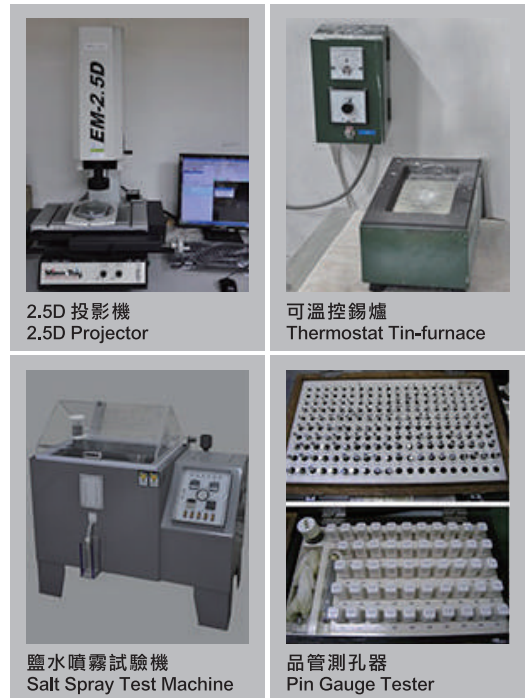San-Xia, Xin-Zhuang, Tu-Cheng

China (Shen-Zhen)

Wire Processing Plant
Terminal Stamping Plant
Auto Pin Inserting Plant
Plastic Injection Molding Factory

TECHNICS
EFFICIENCY
QUALITY
SERVICE

R&D and technological capabilities are ALEX's cornerstones. ALEX is committed to research of innovation and development of R&D. We produce high quality and highly innovative connector products as the goal. The customized services to meet your specific specifications or ad hoc product planning are our duty.
.
The ALEX deeply plows in the connector industry for over 30 years. Continuing to develop R&D and innovation, we provide thousands of professional high-quality connector products. The ALEX collaborates with partners to ensure that all services supporting those technologies represent the best practices in the connector industry.

ALEX plant is installed with sophisticated equipment. It is endorsed with quality certifications such as world class manufacturing.

2.5D 投影機
2.5D Projector

可溫控錫爐
Thermostat Tin-furnace

鹽水噴霧試驗機
Salt Spray Test Machine

品管測孔器
Pin Gauge Tester

耐壓／絕緣測試儀
Puncture / Insulation Tester

微電阻測量機
Digital QHM Meter

溫升測試機
Temperature Rise Tester

機械式推拉力計
Push-Pull Gauge

■ *Wire Processing Plant*

It is endorsed with quality certifications such as world class manufacturing.

■ *Plastic Injection Molding Plant*

The process of Plastic Injection Molding and inspection.

■ *Terminal Stamping Plant*

Stamping process and die for connector terminal.

■ *Auto Pin Inserting Plant*

Pin Inserting process and die for connector terminal.

■ *Cable Modeling Plant*

Modeling process and die for connector terminal.

*Q*uality *P*olicy

The ALEX always insist on the operation philosophy of Chairman and CEO-focus on customer satisfaction in providing consistently excellent service and quality product.

The ALEX has been making top quality products that our customers value.

Quality Control is strict, as well as maintaining a high quality upgrading system. The ALEX is overhauling the computerization of the whole manufacturing system. In order to increase customers trust, the ALEX has started to carry out ISO-9000 quality control systems since 1992.
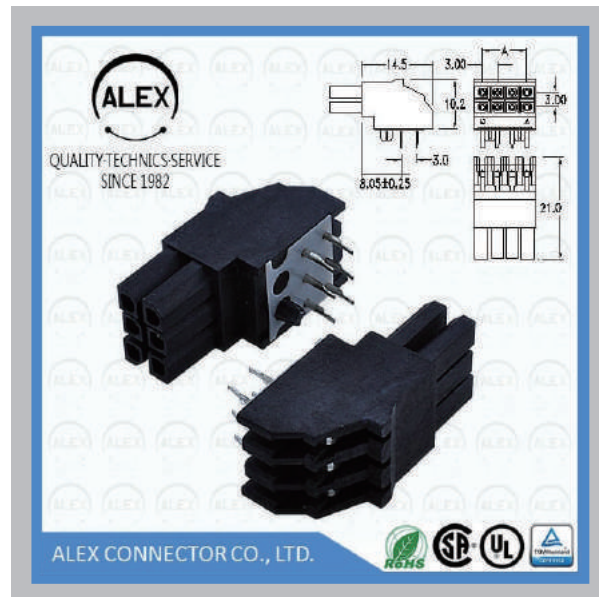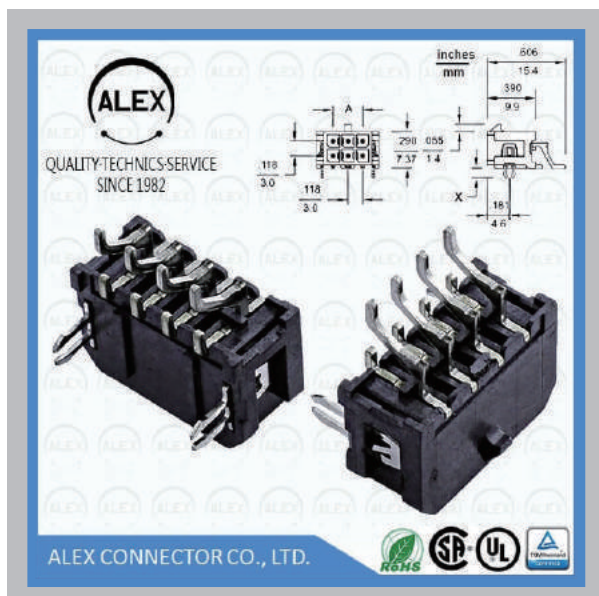
■ *3.0mm Pitch Connector*
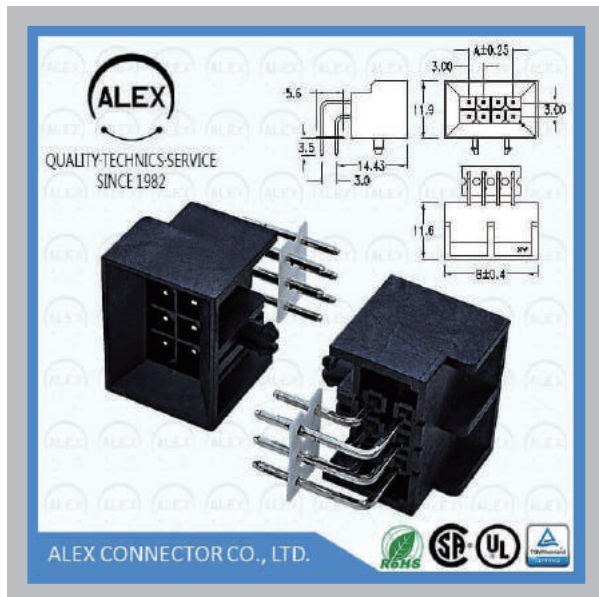
Product Name：Dual Row Right Angle Header /
.118" (3.00mm) BTB Right Angle Header
Part Number：3052-xx **Category**：Board to Board
Pitch：.118" (3.00mm) **Series**：BTB3001

Product Name：Dual Row Right Angle Header /
.118" (3.00mm) BTB Right Angle Header
Part Number：3051-xx **Category**：Board to Board
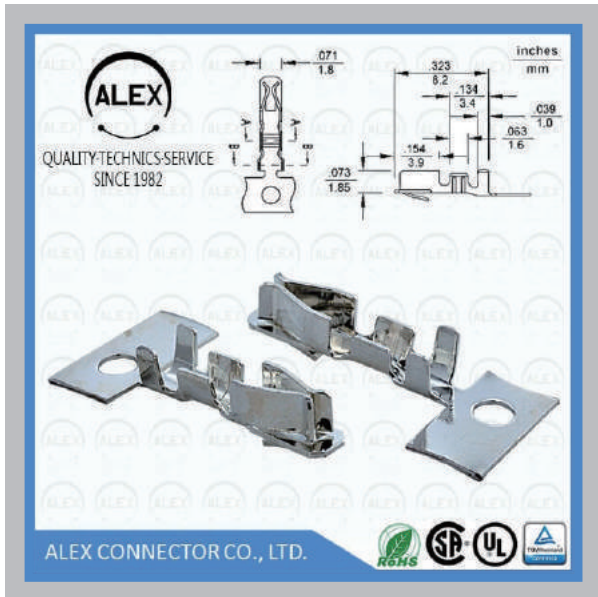**Pitch**：.118" (3.00mm) **Series**：BTB3001

Product Name：Right Angle Header, SMT /
.118" (3.00mm) Dual Row Wire-to-Board Connectors
Part Number：3048-xxRC **Category**：Wire to Board
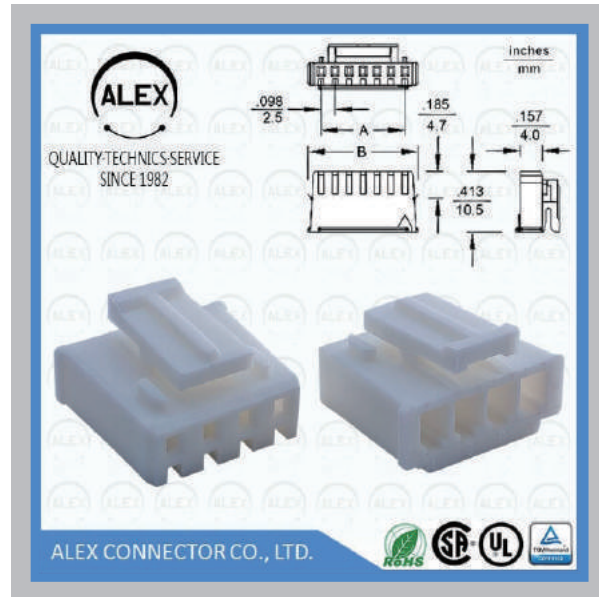**Pitch**：.118" (3.00mm) **Series**：WTB300D

Product Name：Dual Row Vertical Header /
.118"(3.00mm) BTB Vertical Header
Part Number：3049-xx **Category**：Board to Board
Pitch：.118" (3.00mm) **Series**：BTB3001

■ *2.5 mm Crimp Terminal Housing*

Product Name：Crimp Terminal /
.098" (2.50mm) Wire-to-Board Connectors
Part Number：2571T   **Category**：Wire to Board
Pitch：.098" (2.50mm)   **Series**：WTB2507

Product Name：Crimp Terminal Housing /
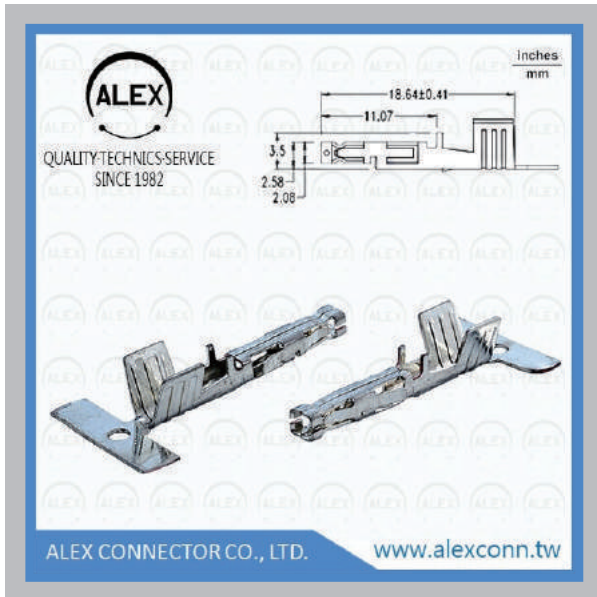.098" (2.50mm) Wire-to-Board Connectors
Part Number：2572-xx   **Category**：Wire to Board
Pitch：.098" (2.50mm)   **Series**：WTB2507

Product Name：Vertical Headers /
.098" (2.50mm) Wire-to-Board Connectors
Part Number：2573-xx   **Category**：Wire to Board
Pitch：.098" (2.50mm)   **Series**：WTB2507

5.7mm Series Power Connector

Product Name：Crimp Terminal /
.224" (5.70mm) Dual Row Wire-to-Board Connectors
Part Number：5701T   **Category**：Wire to Board
Pitch：.224" (5.70mm)   **Series**：WTB5701

Product Features

- Material：High condutivity copper alloy
- Finished：Tin-plated over nickel
- Wire range：#12 ~ #16 AWG
- Used in ALEX 5702 Housing

Series Specifications

- Current rating：23A max.
- Voltage rating：600V AC, DC
- Insulation resistance：1000mΩ min.
- Dielectric strength：2200V AC/minute
- Temperature rise：-40 ~ +105°C
  (including temperature rise)

Product Name：Receptacle Housing /
.224" (5.70mm) Dual Row Wire-to-Board Connectors
Part Number：5702-xx   **Category**：Wire to Board
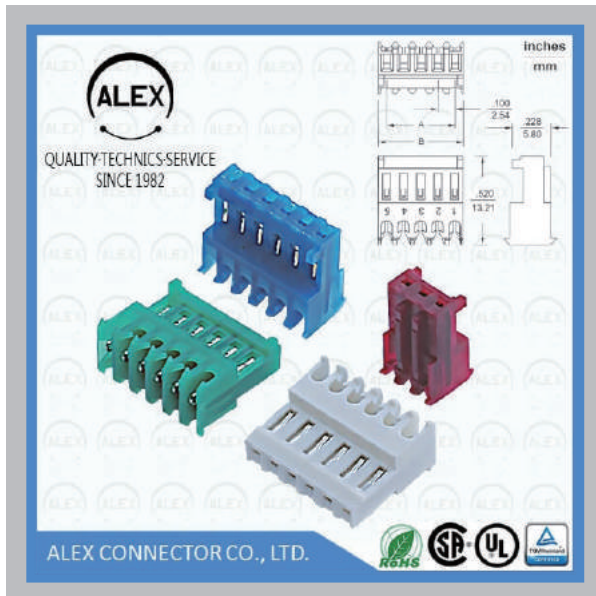**Pitch**：.224" (5.70mm)   **Series**：WTB5701

Product Name：Vertical Header /
.224" (5.70mm) Dual Row Wire-to-Board Connectors
Part Number：5703-xx   **Category**：Wire to Board
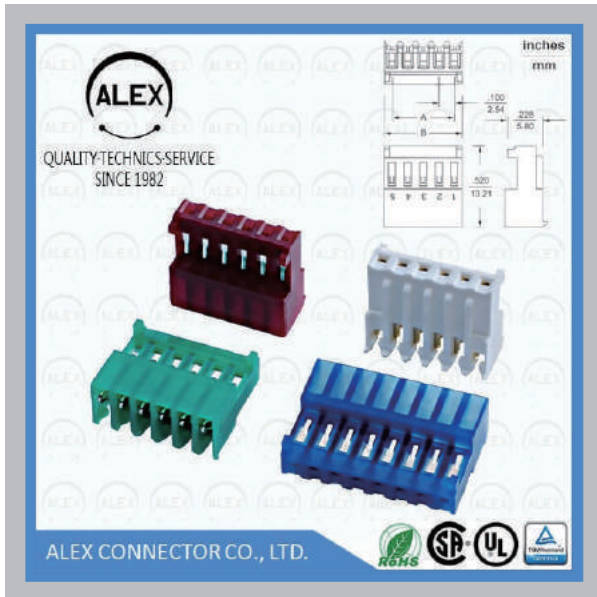**Pitch**：.224" (5.70mm)   **Series**：WTB5701

Product Name：Right Angle Header /
.224" (5.70mm) Dual Row Wire-to-Board Connectors
Part Number：5704-xx   **Category**：Wire to Board
Pitch：.224" (5.70mm)   **Series**：WTB5701

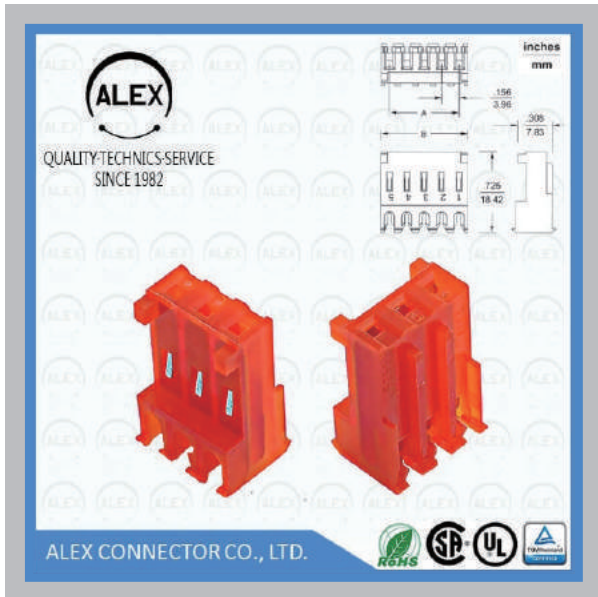# ■ *Feed-Thru Connectors / .100" (2.54mm)*

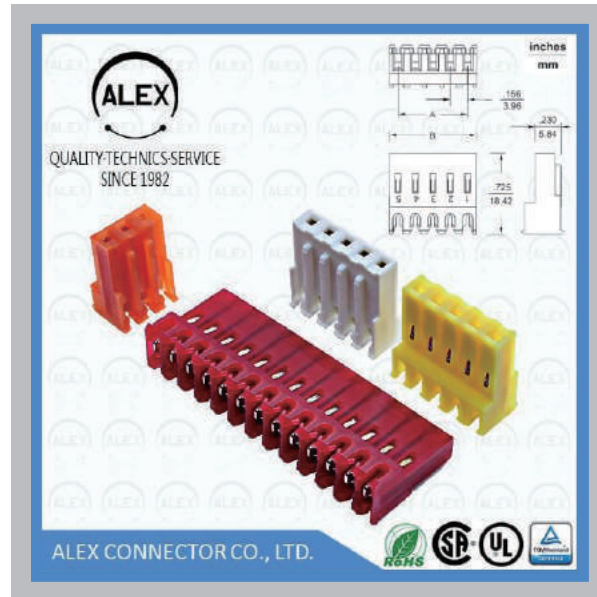## ■ *Closed End Connectors / .100"(2.54mm) IDC Connector*
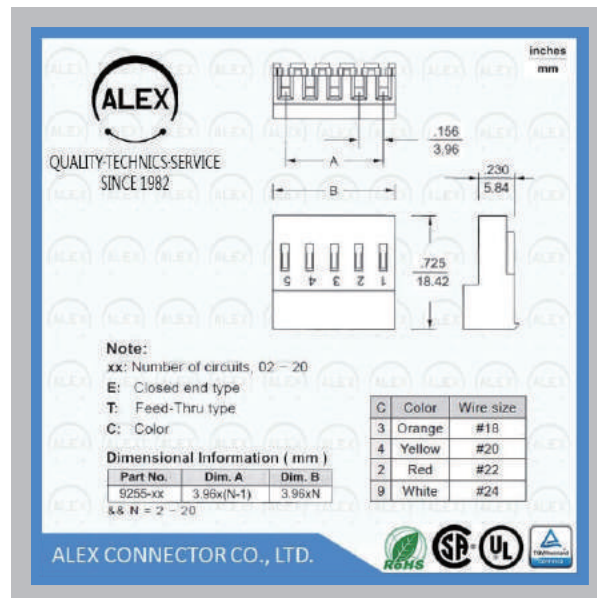

## ■ *Closed End Connectors / .156"(3.96mm) IDC Connector*

Product Name：Feed-Thru Connectors /
.156" (3.96mm) IDC Connector
Part Number：9255　　**Category**：IDC
Pitch：.156" (3.96mm)　**Series**：IDC3961

Product Name：Feed-Thru Connectors /
.156" (3.96mm) IDC Connector
Part Number：9255　　**Category**：IDC
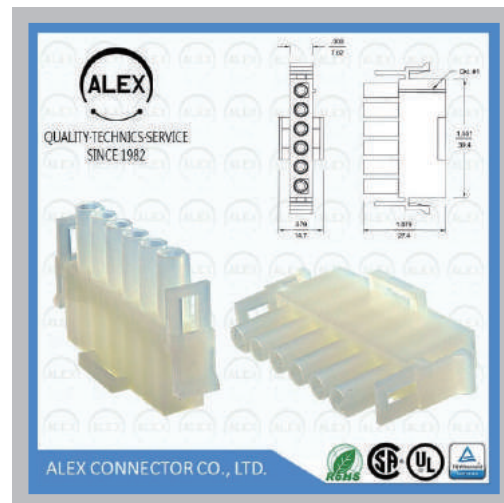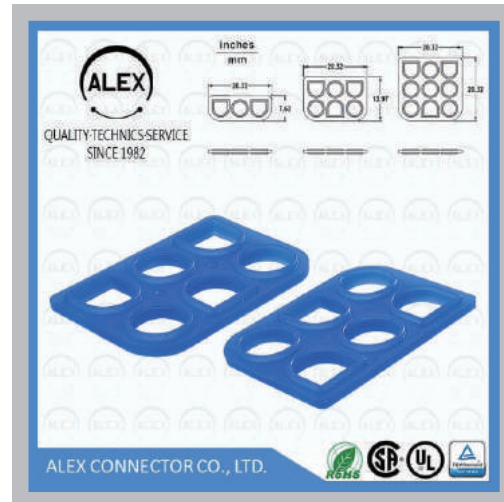**Pitch**：.156" (3.96mm)　**Series**：IDC3961

Product Name：Feed-Thru Connectors /
.156" (3.96mm) IDC Connector
Part Number：9255　　**Category**：IDC
Pitch：.156" (3.96mm)　**Series**：IDC3961

Product Name：Feed-Thru Connectors /
.156" (3.96mm) IDC Connector
Part Number：9255　　**Category**：IDC
**Pitch**：.156" (3.96mm)　**Series**：IDC3961
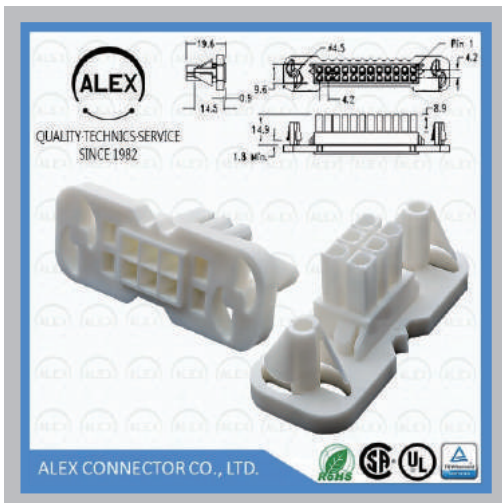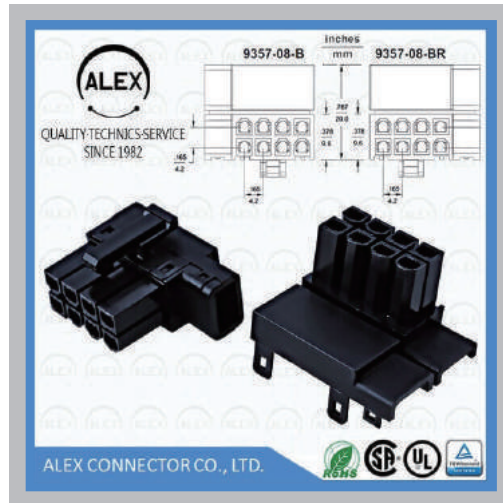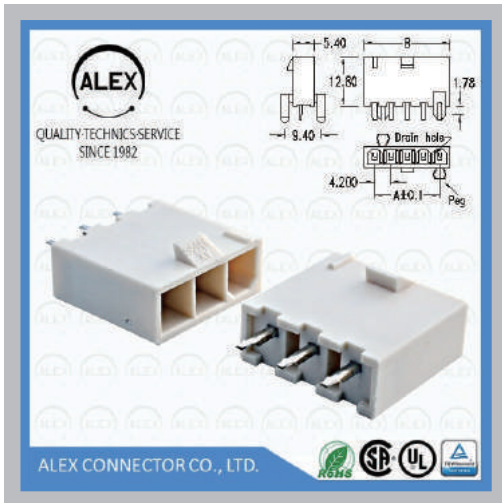
◼ *.250"(6.35mm) Power Connectors*
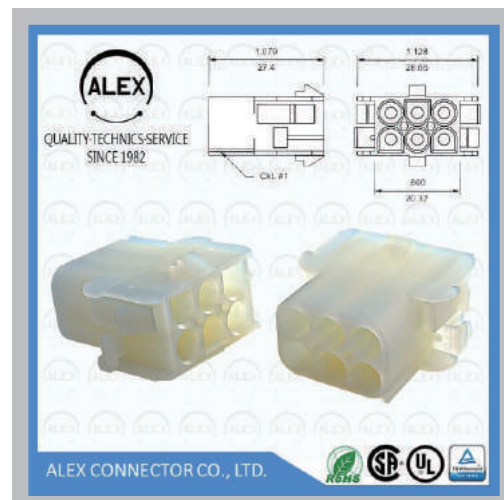
Product Name：Right Angle Header /
.250" (6.35mm) Power Connectors
Part Number：9635-xxWR
Category：Wire to Board
Pitch：.250" (6.35mm)　**Series**：WTB635J

Product Features

- 2~10 circuits available
- Plastic material：UL 94V-0 nylon 66
- Pin material：Tin-plated phosphor bronze
- With Male Pins
- Mates with ALEX 9635-xxR Housing
- Standard color：White
- UL File No.：E114003
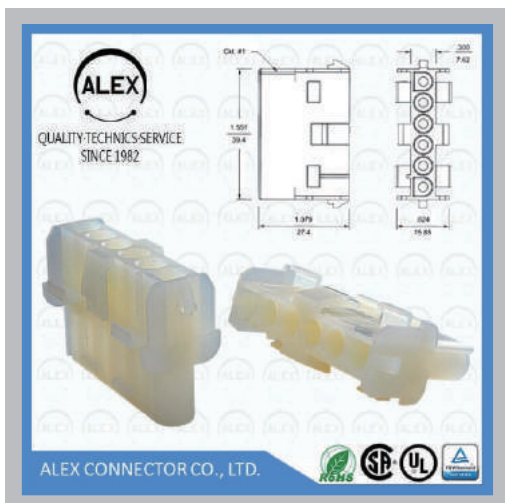
Series Specifications

- Current rating：13A(2~4P), 11A(6~15P)
- Voltage rating：600V
- Insulation resistance：1000mΩ min.
- Dielectric strength：5000V AC / minute
- Ambient temperature range：-55℃ ~ +105℃

■ *.165" (4.20mm) Power Connector*

Product Name：Receptacle Housing /
.165" (4.20mm) Power Connector
Part Number：9357-06-B
Category：Wire to Board
**Pitch**：.165" (4.20mm) **Series**：WTB420G

Product Features

- 6 circuits available
- Material：UL 94V-0 nylon 66
- Positive housing locks & Fully isolated terminals
- Low engagement force terminals
- Accepts ALEX 4256TP2-A Terminal
- Current rating up to 6A (with #20 AWG)
- Mates with ALEX 9358-06, 9362-06 Housings
- Mates with ALEX 9359-06, 9360-06, 9363-06, 9364-06 headers
- Standard color：Black

Series Specifications

- Current rating up to 9A (with #18 AWG)
- Voltage rating：600V AC, DC
- Insulation resistance：DC 500V 1000mΩ min.
- Dielectric strength：1500V AC/minute
- Contact resistance：Initial value / 10mΩ Max. After environmental testing / 20mΩ Max.
- Ambient temperature range：-40°C ~ +105°C (Including temperature rise)

Product Name：Receptacle Housing /
.165" (4.20mm) Power Connector
Part Number：9357-06-B
Category：Wire to Board
Pitch：.165" (4.20mm)   **Series**：WTB420G

Product Features

- 8 circuits available
- Material：UL 94V-0 nylon 66
- Positive housing locks & Fully isolated terminals
- Low engagement force terminals
- Accepts ALEX 4256TP2-A Terminal
- Current rating up to 6A (with #20 AWG)
- Mates with ALEX 9358-06, 9362-06 Housings
- Mates with ALEX 9359-06, 9360-06, 9363-06, 9364-06 headers
- Standard color：Black

Series Specifications

- Current rating up to 9A (with #18 AWG)
- Voltage rating：600V AC, DC
- Insulation resistance：DC 500V 1000mΩ min.
- Dielectric strength：1500V AC/minute
- Contact resistance：Initial value / 10mΩ Max. After environmental testing / 20mΩ Max.
- Ambient temperature range：-40°C ~ +105°C (Including temperature rise)

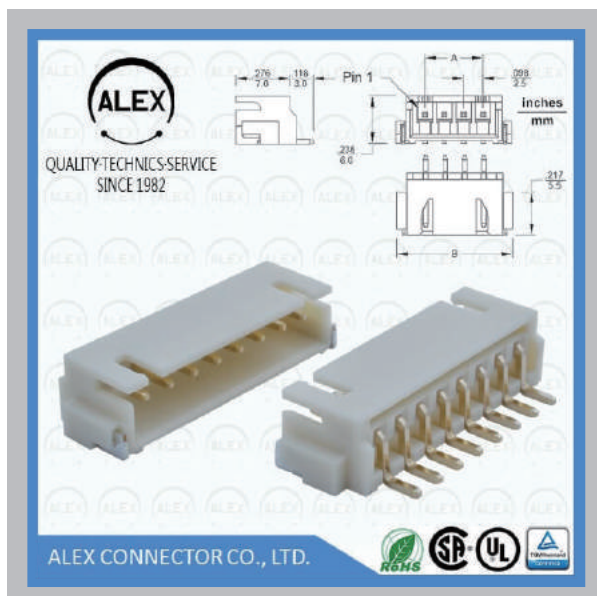# ■ *.098"(2.5mm) Center Low-Profile Wire-to-Board*
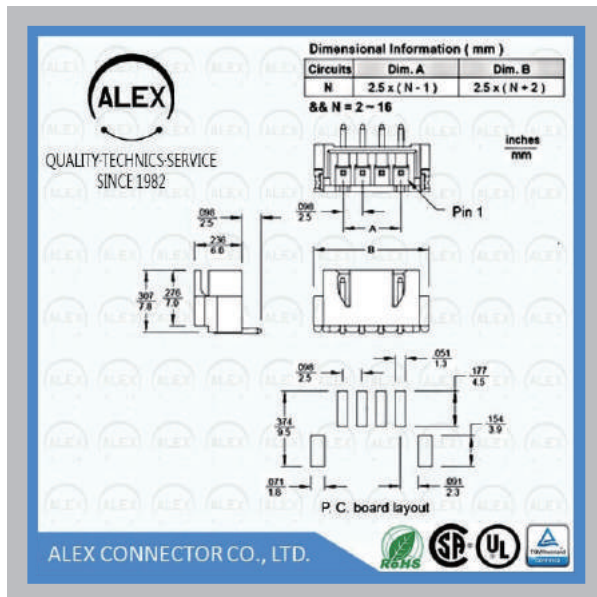
Product Name：XH Vertical Header, SMT /
.098" (2.5mm) Center Low-Profile Wire-to-Board
Part Number：8822-xxSM **Category**：Wire to Board
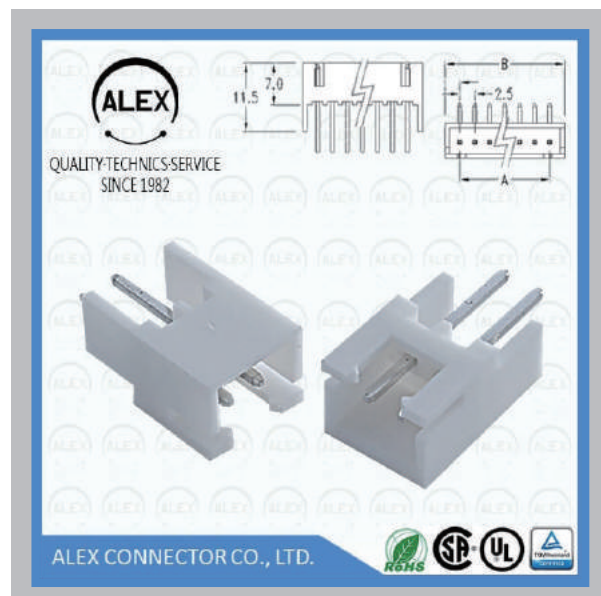**Pitch**：.098" (2.5mm)　　　**Series**：WTB2506

Product Features

- 2 ~ 16 circuits available
- Plastic material：LCP
- Color：Natural
- Tin-plated brass pin
- .025" (0.64mm) square pin
- Molded friction lock
- Mates with ALEX 8821-N Housing

Series Specifications

- Current rating：3A AC, DC
- Voltage rating：250V AC, DC
- Contact resistance：Initial value / 10mΩ Max.
  After environmental testing / 20mΩ Max.
- Insulation resistance：1000MΩ min.
- Dielectric withstanding voltage:
  1000V AC/minute
- Terminal retention force：1.5Kg Min.
- Ambient temperature range：-25°C ~ +85°C
  (Including temperature rise)

Product Name：XH Right Angle Header, SMT /
.098" (2.5mm) Center Low-Profile Wire-to-Board
Part Number：8823-xxSM **Category**：Wire to Board
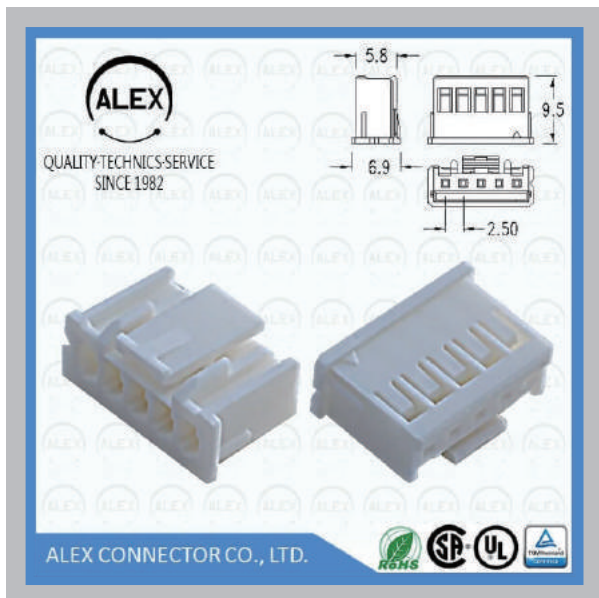**Pitch**：.098" (2.5mm)　　　**Series**：WTB2506

Product Name：XH Straight Pin Header /
.098" (2.5mm) Center Low-Profile Wire-to-Board
Part Number：8823-xx-180 **Category**：Wire to Board
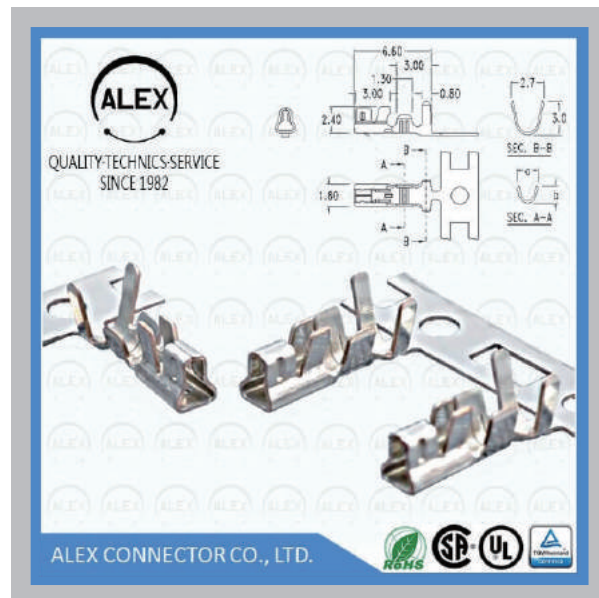**Pitch**：.098" (2.5mm)　　　**Series**：WTB2506
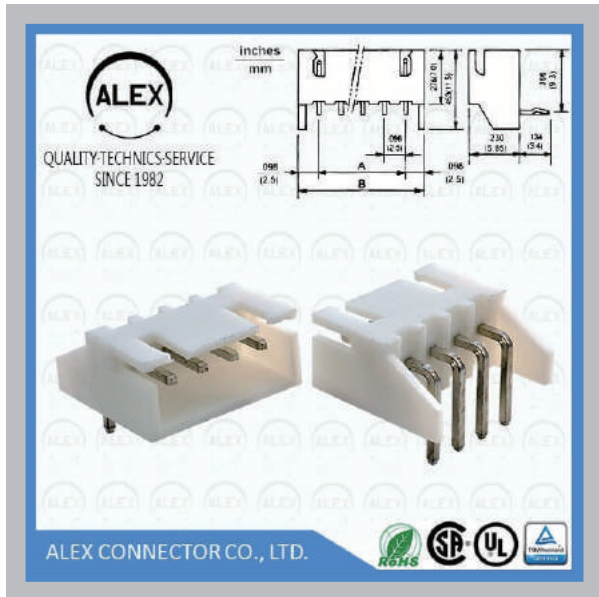
Product Name：Right Angle Pin Friction Lock Header /
.098"(2.50mm) Center Low-Profile Wire-to-Board
Part Number：8823-xx　**Category**：Wire to Board
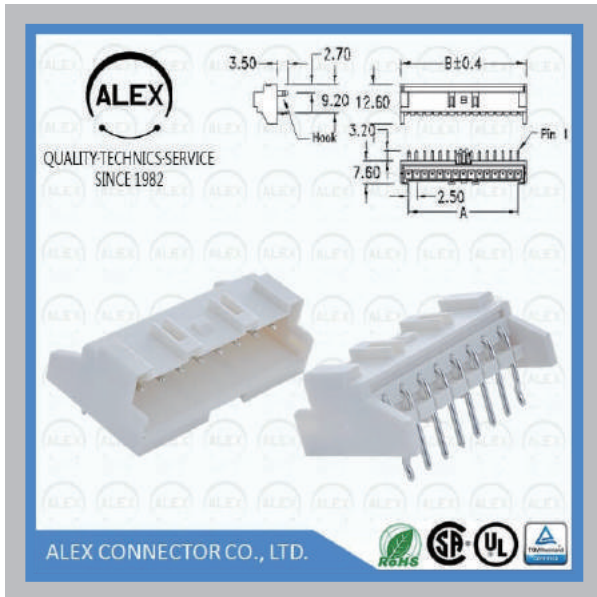**Pitch**：.098" (2.5mm)　**Series**：WTB2506
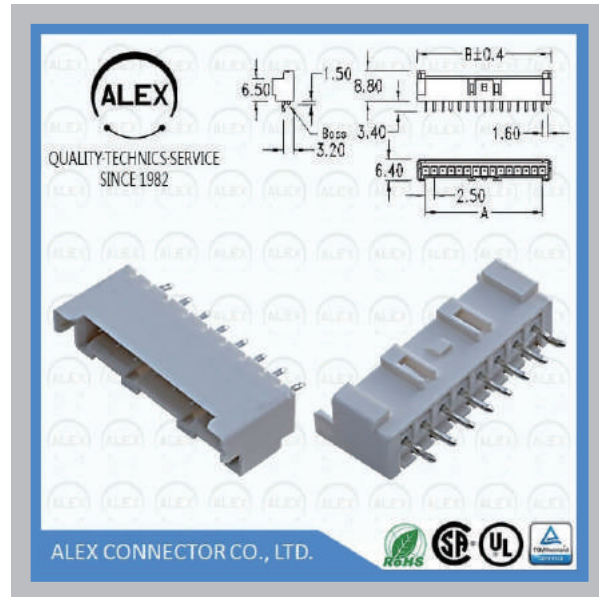
Product Name：Vertical Header /
.098" (2.50mm) Single Row Wire-to-Board Connectors
Part Number：2553-xx　**Category**：Wire to Board
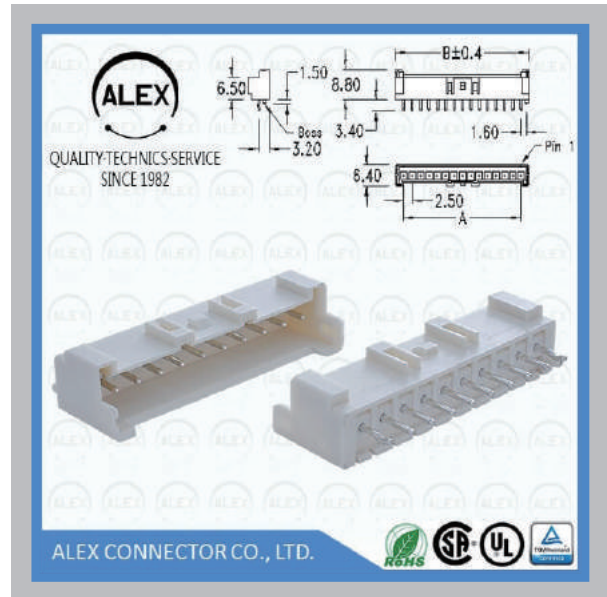**Pitch**：.098" (2.5mm)　**Series**：WTB2502

Product Name：Crimp Terminal Housing /
.098" (2.50mm) Single Row Wire-to-Board Connectors
Part Number：2552-xx　**Category**：Wire to Board
Pitch：.098" (2.50mm)　**Series**：WTB2502

Product Name：Crimp Terminal /
.098" (2.50mm) Single Row Wire-to-Board Connectors
Part Number：2551T　**Category**：Wire to Board
Pitch：.098" (2.50mm)　**Series**：WTB2502

Product Name：Right Angle Header /
.098" (2.50mm) Single Row Wire-to-Board Connectors
Part Number：2554-xx **Category**：Wire to Board
Pitch：.098" (2.50mm) **Series**：WTB2502

Product Name：Vertical Header /
.098" (2.50mm) Single Row Wire-to-Board Connectors
Part Number：2553-xxP **Category**：Wire to Board
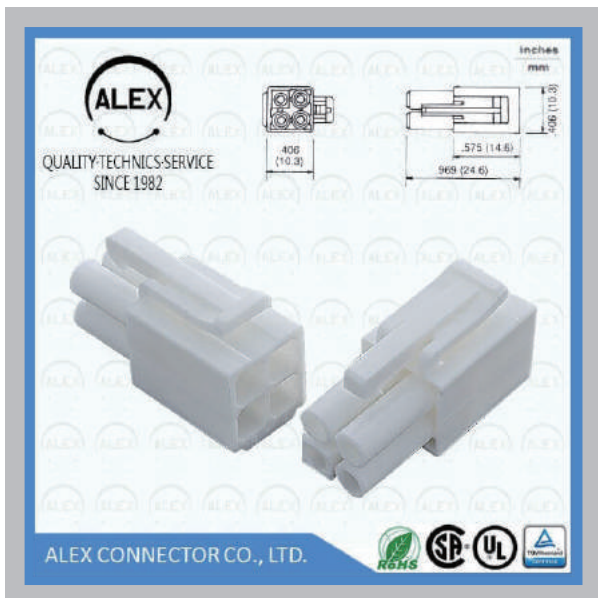**Pitch**：.098" (2.50mm) **Series**：WTB2502

# ■ *.163" (4.14mm) WTW Connectors*

Product Name：Plug Housing /
.163" (4.14mm) WTW Connectors
Part Number：6612-12F-D **Category**：Wire to Wire
**Pitch**：.163" (4.14mm)　　**Series**：WTW4141

Product Name： Plug Housing /
.163" (4.14mm) WTW Connectors
Part Number：6612-xxF1　**Category**：Wire to Wire
Pitch：.163" (4.14mm)　　**Series**：WTW4141

Product Name：Receptacle Housing /
.177" (4.50mm) EL Power Connector Housing
Part Number：6613-04VM1 **Category**：Wire to Wire
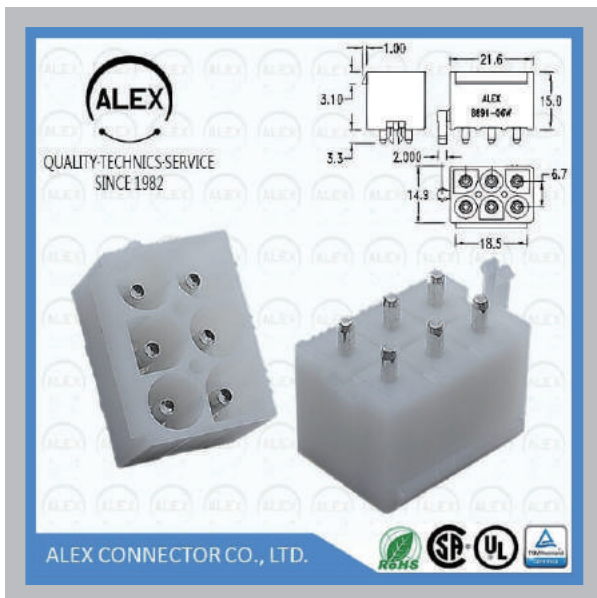**Pitch**：.177" (4.50mm)　　**Series**：WTW4501
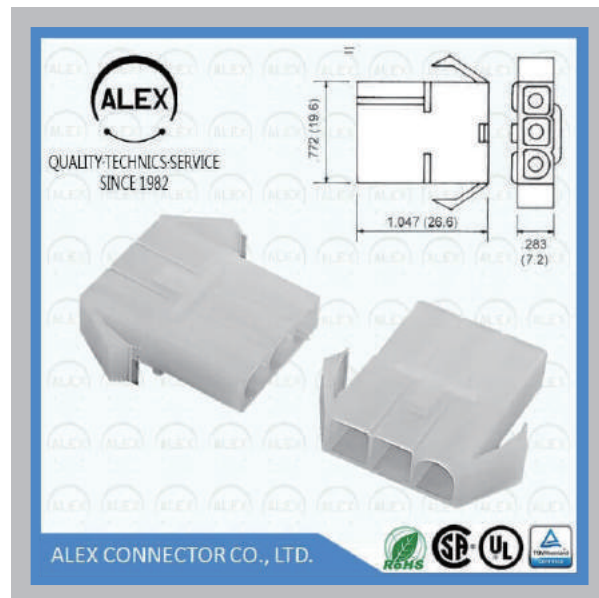
Product Name： Plug Housing /
.244" (6.2mm) LP / LR Power Connectors
Part Number：6420-xxF　**Category**：Wire to Wire
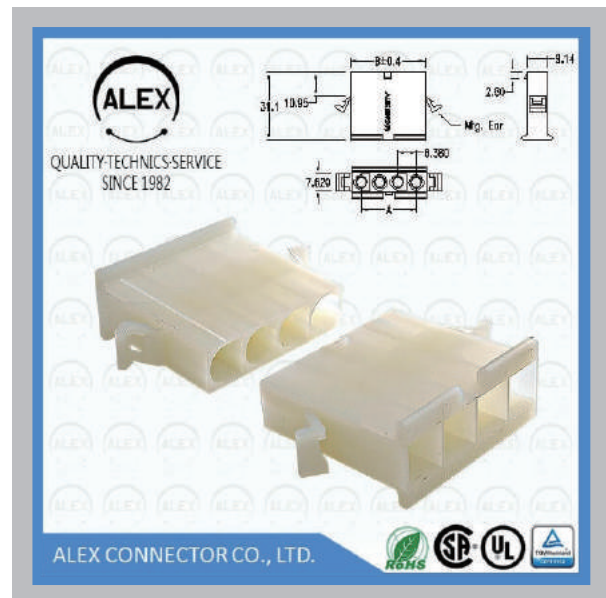**Pitch**：.244" (6.2mm)　　**Series**：WTW6201

19
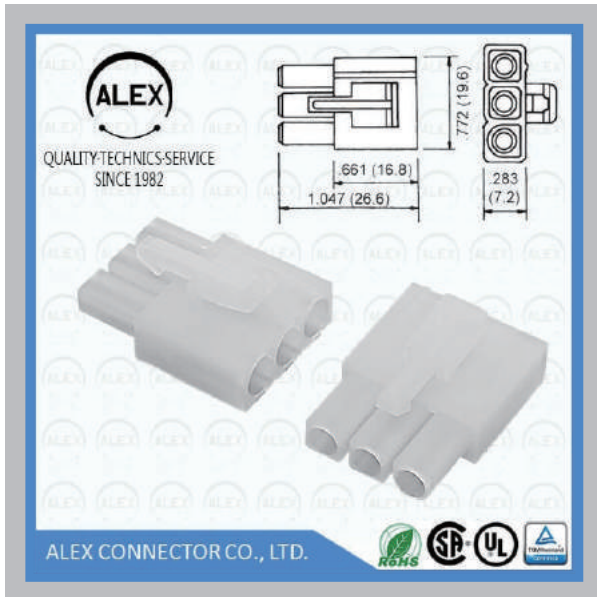
Product Name：Receptacle Housing /
.244" (6.2mm) LP/LR Power Connectors
Part Number：6420-xxM1 **Category**：Wire to Wire
Pitch：.244" (6.2mm)   **Series**：WTW6201
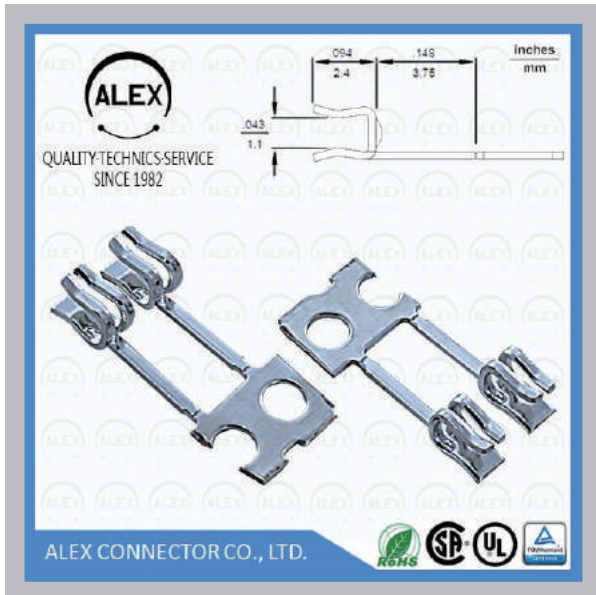
■ *.093" (2.36mm) WTB Connectors*

Product Name：Vertical Header /
.093" (2.36mm) WTB Connectors
Part Number：8891-xxW **Category**：Wire to Board
Pitch：.264" (6.70mm)   **Series**：WTB670K

Product Name：Crimp Terminal Housing /
.125" (3.18mm) Diameter Pin and Socket
Part Number：8892-xxF   **Category**：Wire to Wire
Pitch：.330" (8.38mm)   **Series**：WTW8381
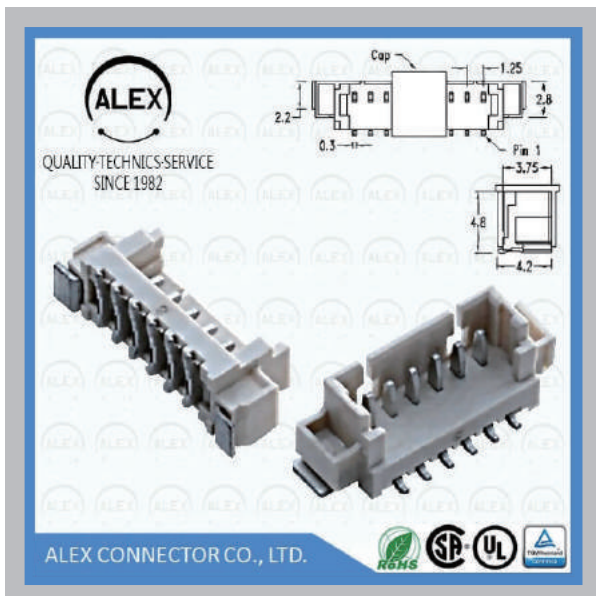
Crimp Terminal / .100" (2.54mm) CBT Module Pin

Product Name：Crimp Terminal /
.100" (2.54mm) CBT Module Pin
Part Number：3100   **Category**：Clipboard Terminal
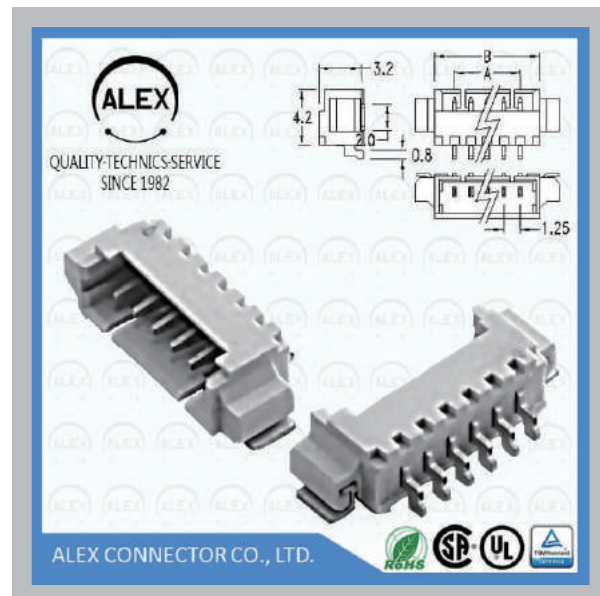**Pitch**：.100"(2.54mm) **Series**：CBT1100

Right Angle Header, SMT /
.049"(1.25mm) Wire-to-Board Connectors

Product Name：Vertical Header, SMT /
.049" (1.25mm) Wire-to-Board Connectors
Part Number：9849-xx   **Category**：Wire to Board
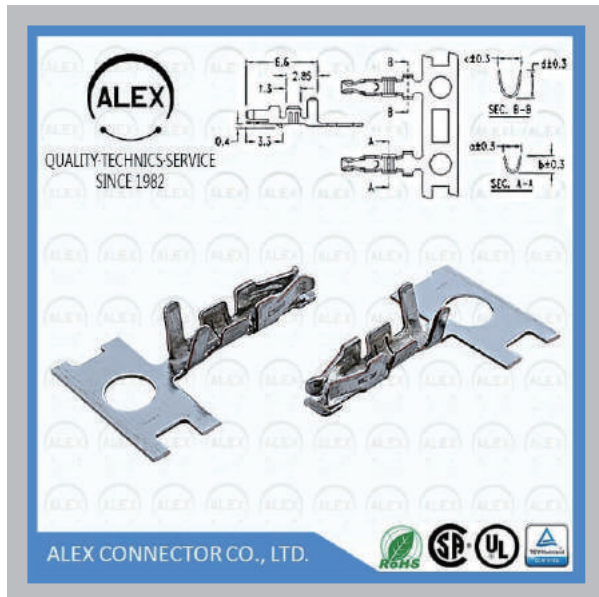**Pitch**：.049" (1.25mm   **Series**：WTB125A

Product Name：Right Angle Header, SMT /
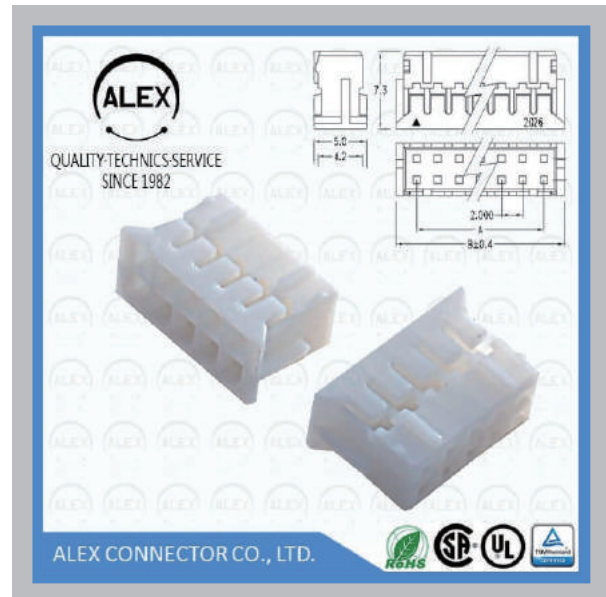.049" (1.25mm) Wire-to-Board Connectors
Part Number：9850-xx   **Category**：Wire to Board
**Pitch**：.049" (1.25mm   **Series**：WTB125A

■ *79"(2.00mm) Wire-to-Board Connection System*

Product Name：Crimp Terminal /
.079" (2.00mm) Wire-to-Board Connection System
Part Number：2025T   **Category**：Wire to Board
Pitch：.079" (2.00mm)   **Series**：WTB2003

Product Name：Crimp Terminal Housing /
.079" (2.0mm) Dual Row Wire-to-Board Connectors
Part Number：2026-xx   **Category**：Wire to Board
Pitch：.079" (2.00mm)   **Series**：WTB2002
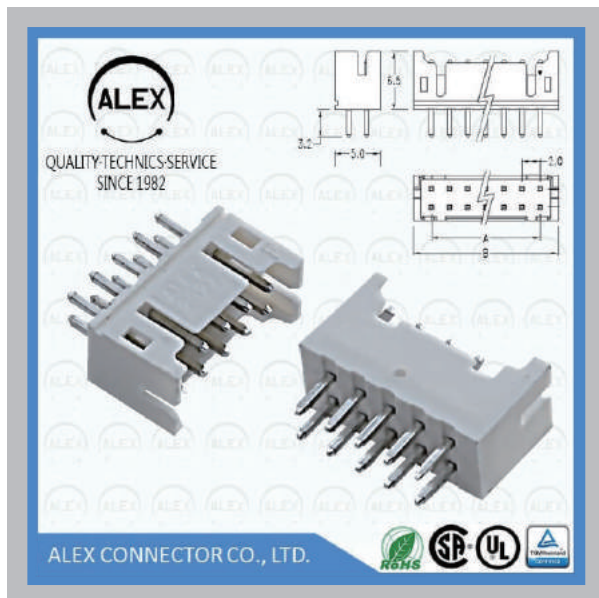
Product Name：Vertical Header /
.079" (2.0mm) Dual Row Wire-to-Board Connectors
Part Number：2027-xx   **Category**：Wire to Board
Pitch：.079" (2.00mm)   **Series**：WTB2002

Product Name：Right Angle Header /
.079" (2.0mm) Dual Row Wire-to-Board Connectors
Part Number：2028-xx   **Category**：Wire to Board
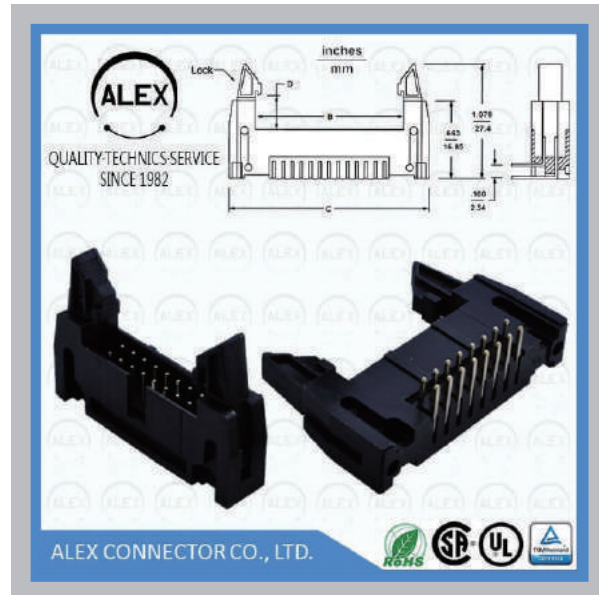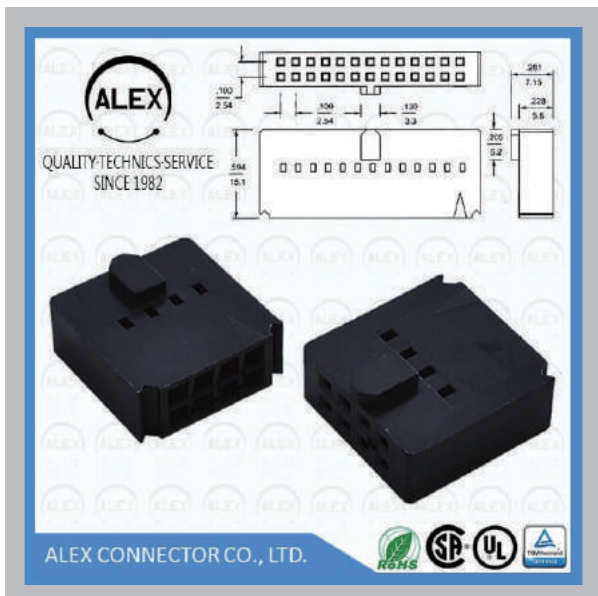**Pitch**：.079" (2.00mm)   **Series**：WTB2002

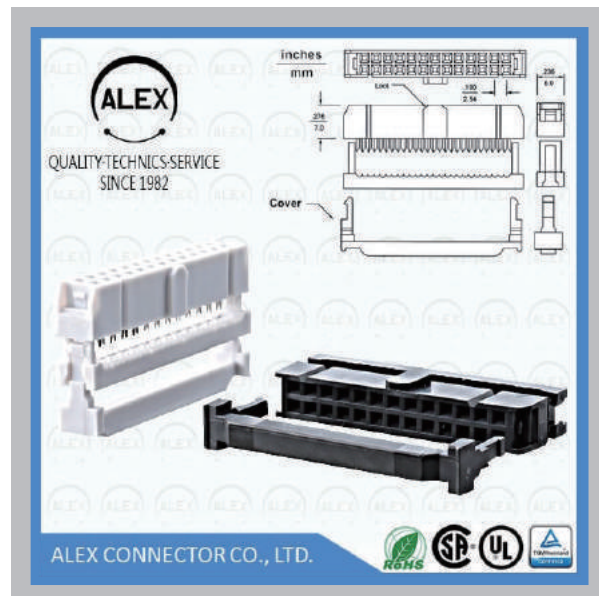# ■ *.100"(2.54mm) Wire-to Board Box Header Connectors*

Product Name：Vertical Header /
.100" (2.54mm) Wire-to Board Box Header Connectors
Part Number：4800-xx **Category**：Wire to Board
Pitch：.100" (2.54mm) **Series**：WTB2546

Product Name：Right Angle Header /
.100" (2.54mm) Wire-to Board Box Header Connectors
Part Number：4801-xx **Category**：Wire to Board
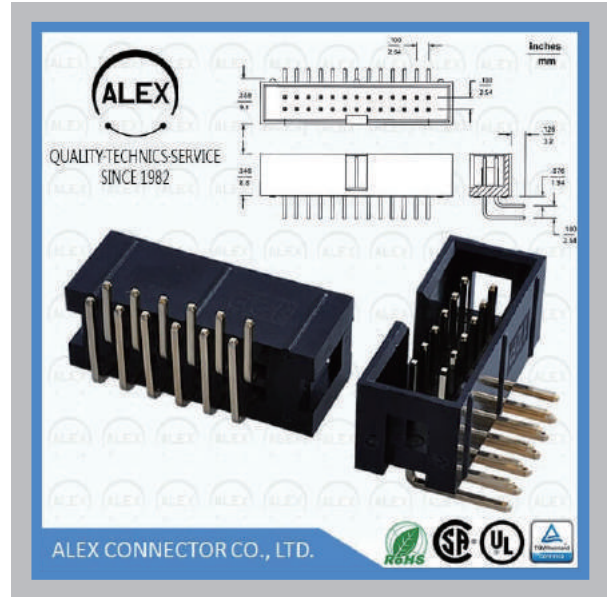**Pitch**：.100" (2.54mm) **Series**：WTB2546

Product Name：Crimp Terminal Housing /
.100" (2.54mm) Wire-to Board Box Header Connectors
Part Number：4801-xx **Category**：Wire to Board
Pitch：.100" (2.54mm) **Series**：WTB2546

Product Name：IDC Socket /
.100"(2.54mm) IDC Socket
Part Number：9663-xx **Category**：IDC
Pitch：.100" (2.54mm) **Series**：IDC2542

Product Name：Vertical Header /
.100" (2.54mm) Dual Row Box Header Connectors
Part Number：4700-xx **Category**：Wire to Board
Pitch：.100" (2.54mm) **Series**：WTB2545

Product Name：Right Angle Header /
.100" (2.54mm) Dual Row Box Header Connectors
Part Number：4701-xx **Category**：Wire to Board
Pitch：.100" (2.54mm) **Series**：WTB2545

CSR : EICC Commitment

Although The ALEX is not a member of the EICC, we are committed to actively implementing the Electronic Industry Citizenship Coalition (EICC) Code of Conduct in our business practices and requires its suppliers to do the same, including Metal Conflict-Free Policy.

The EICC outlines standards to ensure that working conditions safe, workers are treated with respect and dignity, and business operations are environmentally responsible and conducted ethically. The ALEX is committed to meeting all of these expectations and standards because it is consistent with The ALEX's commitment to conduct all our business. More details are contained in the EICC's website.

Vision and Mission

Our vision is to one of the most professional R&D services and connector manufacturer.

With the most sincere heart, we combine The ALEX with Strategic Partners into a strong competitive team which can rank the world stage and leading the industry. In addition, The ALEX will continue to invest in innovation and R&D in the electronics industry, and we create its value for all stakeholders. We will continue to care for environmental protection, to promote the development of social welfare, and to fulfill.