

Circuit Assembly.

building connections
WORLDWIDE

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► **Manufacturing & Assembly Plants**

Circuit Assembly Corp
 Irvine, California

Circuit Assembly China
 Shen Zhen, China



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Circuit Assembly

Interconnect Solutions Capabilities Brochure



The Company

Headquartered in Irvine, California, Circuit Assembly has delivered a host of quality interface connectors and cable assemblies to the global markets since 1969. Circuit Assembly is a US based corporation with manufacturing facilities in the USA and China and international distribution throughout the American, European, and Asian-Pacific markets. Circuit Assembly has built a solid reputation by achieving customer satisfaction through offering superior products, competitive pricing, and personalized customer service.

As a leader of interconnect technology, Circuit Assembly takes pride in producing a wide range of interconnect products. CA has a dedicated approach to interconnect research, development and manufacturing, specializing in the production of leading-edge connectors and cable assemblies. Through customer interaction and corporate teamwork, CA is dedicated to providing a world-class interconnect experience from initial consultation to final delivery.

*Quality Management System
Registered to ISO 9001.*

USA: TUV

China: Moody International

*Environmental Management
Registered to ISO 14001*

RoHs Directive

REACH Directive



Facilities

Circuit Assembly was established in 1969 in Orange County, California, USA. During the past four decades, Circuit Assembly has developed into an international corporation. Circuit Assembly's corporate headquarters is currently located in Irvine, California. This facility is the home of Circuit Assembly's corporate administration, with sales & marketing, customer service, design & development and low volume production support. Circuit Assembly created its Shenzhen, China facility in 1998 in order to continue to be competitive in the international interconnect marketplace. A new facility was built in 2001, providing 86,000 square feet of space to accommodate the continual increase in production. The China facility specializes in medium to high-volume production as well as engineering functions.

Product Line Goals

- Major Supplier of:
 - Electronic Signal Connectors and Cables
 - Power transmission Connectors and Cable Assemblies
 - Customer Driven proprietary connectors and cables
 - Vertical Integration of Production of connectors and cables
- Market Focus for Interconnects
 - Data/Video Storage
 - Solar Connectors & Cord Sets
 - Audio Sound Production
 - Medical
 - Home Security
 - Robotics

Industry Participation

- USB Implementers Forum
- Small Form Factor
- NCITS ANSI-T10
- NCITS ANSI-T11
- NCITS ANSI-T13
- Serial ATA
- PCI Special Interest
- Digital Display Working Group (DDWG)
- HDMI Working Group
- Fibre Channel Industry Association
- LXI
- Vesa
- NAMM

Approvals



Quality Testing

- Mechanical
 - Mating/Unmating
 - Vibration/Mechanical Shock
 - Durability
 - Cable Flexing/Bending
 - Plating Thickness Xray (EDX-2800)
 - Optical Microscopy
- Electrical
 - Dielectric Withstanding Voltage
 - High Pot
 - Impedance
 - Contact Resistance (LLCR)
 - Cross Talk
- Environmental
 - Thermal Shock
 - Thermal Aging
 - Cyclic Humidity
 - Salt Spray



Production Capabilities

Circuit Assembly's connector and cable assembly production lines consist of up-to-date equipment and detail-minded personnel working to assure that CA product is of the expected quality. Testing and evaluation is done at the early development stages as well as when the final product comes off the line.

The China facility features the following production capabilities:

- ◆ Medium to high-volume production
- ◆ Connector Assembly
- ◆ Cable Assembly Production
- ◆ Injection Molding
- ◆ Stamping
- ◆ Prototype/samples
- ◆ Customized connectors and cable assemblies
- ◆ Customer overmold
- ◆ Customer retail packaging



State-of-the-art molding, stamping and assembly production equipment



AUDIO & VIDEO

DISPLAYPORT



DPP



CA-H713001



CA-H713007



CA-H713029

MINI DISPLAYPORT



MDPS 1



MDPP 2



DVI-MDP-02-1



CA-H713038



CA-H713014



CA-H713011



CA-H713025

Q-ACTIVE[®] LONG REACH DISPLAYPORT



H713070-2



H713071-2



H713073-2

HDMI



19HMSR



19HMPS



C0006460

DVI



DVIP



29DVIS



18DVIP



DVIS



C0005548



C0005598

PND



35PNDPI



30PNDPD



35PNSAV



35PNSIR

LXI



U712004



u712003

DATA STORAGE

SATA



07SATA



15SAS



22SAS



16SAS



22SAHSR



C0006304



22SAPP



29SAS



22SAPP2



33SASR



29SASP



H709259



U709091



H709321



U709020



H709271



H709214



H709256



U709000



U709080

ESATA



ESAS



ESAP



H709256



H709333

UATA



40ATAS



T-0087

SCA2



MDP



40SCA2



MDS

DATA TRANSFER



USBS



USBSAR



PC030079



PC030073



U703000



1394

INTERNAL CABLE MOUNT

TRANSITION



NFT2



MTSL



FID4



FID5



MDRS



NFS



IDS3



MID



MRS



NFDP

HEADERS



IDP2



IDP



IDHB



IDH

INTERNAL BOARD MOUNT



HR2



HLR



HL2



H2



NFHR



NFHLR

SOLAR CONNECTORS & CORD SETS

SOLAR CONNECTOR



H619006



H629006



H619007



H629007

SOLAR CABLE ASSEMBLY



H619002



H629002



H714001



H714002

SOLAR TEE & CROSS JOINT CONNECTOR



H630007



H630006

SOLAR CONNECTOR TOOLS AND DUST COVER



LATCH AND
INSTALLATION TOOL



STRIPPING TOOL



LATCH AND INSTALLATION TOOL

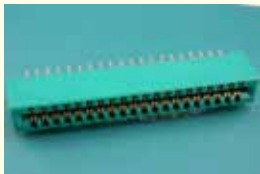


LOCKING DUST COVER



CRIMPING TOOL

IC SOCKETS & EDGE



EC



RAC



MS-1C



P

MODULAR & D-SUB



BRD HDR



VSC



STRIP HEADER



STRIP HEADER RIGHT ANGLE



09DPS



26DHDP

CUSTOM



33POS SMT SAS
COMBO CONNECTOR



CONNECTOR ASSEMBLY,
PCB MTG 22MS



29P SMT WITH PAD
SAS CONNECTOR



CONNECTOR
WITH 4P POWER



29SASR+04POS FOR
BLOCK ASSEMBLY, SMT TL



29SASR+04POS, SAS SMT



22SAHS EXTENDED HT



37SASR



33SASR SMT TYPE
SOCKET CONNECTOR



82PPCIEP



82PCIES



82PCIESR



29SASR ADD 8PIN POGO
HDD SOCKET CONNECTOR



SATA 7P TO
7P ADAPTER



22SAHS TO 7P SATA
& 4P HOUSING



SATA, ROHS COMPLIANT



300MM ESATA SATA CABLE



UNITIZED ASSY WITH
EARS, ROHS COMPLIANT



SATA CABLE
ROHS COMPLIANT



SAS 29P TO 7P(2) &
6P HSG CABLE ASSEMBLY



MICRO SATA
16P TO 22P



MINI SAS TO ESATA



HOME SECURITY



RIGHT ANGLE
POWER JACK



DC POWER JACK



POGO PIN CONNECTOR
ASSEMBLY STATIONARY
USB 3 THROUGH HOLE



POGO PIN CONNECTOR
ASSEMBLY SACRIFICIAL
USB 3



29SASR ADD 8PIN POGO
3.5 HDD SOCKET
CONNECTOR



8P POWER CONNECTOR
FOR 37SASR SOCKET