

Product Index:

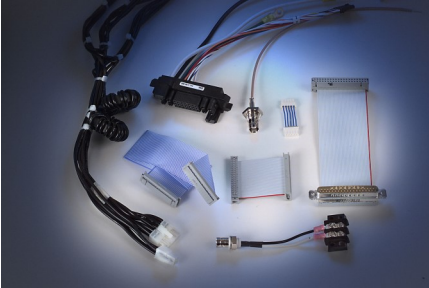


Established in 1976, Sub-Sem's business charter is that of a distributor as well as a manufacturer of custom cable assemblies. Interconnection is the major focus of Sub-Sem. This has enabled the establishment of long-term franchised partnerships with some of the industry's top component manufacturers. Our greatest strength lies in our employees, a solid team of experienced, quality minded individuals. Sub-Sem's goal is to become a certified supplier, by providing the highest quality products and service possible. To maintain a cost competitive posture on labor intensive or consistent high volume assemblies, Sub-Sem has established a facility in Nogales Mexico. We also operate a facility in Crystal Lake, IL capable of automating wire and terminal application.



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Audio Alerts:

RDI

Relays:

Guardian, Hasco, Song Chuan

Cable:

3M, Molex

Shrink Tubing:

3M, Qualtek

Connectors:

3M, Assman, Hirose, JST,

Molex, Qualtek

Solenoids:

Guardian

Tyco, Valconn

Speakers:

RDI

Fans and Accessories:

Qualtek

Static Control Products:

3M

Filters:

Qualtek

Switches:

CIT, Electro Switch, Oak Grigsby, Oslo

Hardware Cable Ties Access:

T&B/Catamount, 3M

Tapes:

3M

LEDs, Lamps, Displays:

LedTronics, Micro Lamps

Terminals:

Molex, T&B, Tyco, Hirose, JST, Stocko

Power Cords:

RDI, Valconn

Terminal Blocks:

Molex/Beau, Valconn





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Sub-Sem, Inc. is a 40-year-old limited line, electro-mechanical, value added distributor. Sub-Sem specialized in the interconnect market place and has been involved with major connector manufacturers since the formation of Sub-Sem in 1976. The most significant part of our business is the sale of connector products and the manufacturing of custom wire and cable assemblies. We enjoy a very low employee turnover and have a solid team of experienced, quality minded individuals.

Sub-Sem's business charter is that of a distributor as well as a manufacturer of custom wire and cable assemblies. Over 70% of Sub-Sem's business is in the contract manufacturing of wire and cable assemblies. Attached, you will find a list of equipment and services we offer.

Sub-Sem operates out of an 18,000 square foot facility located in Crystal Lake, Illinois. We have approximately 60 employees that include, inside and outside sales representatives, engineers, customer service representatives, a group of experienced inspectors and quality control people as well as plant employees that do an outstanding job building our assemblies.

Also, due to increasing global competition in the assembly business, Sub-Sem, Inc. has established a Mexican facility with 100+ employees, which provides us with multiple location manufacturing, enabling us to provide low cost custom wire and cable assemblies. We also have a facility on the USA side, which is used for staging materials and warehousing.

We also now have established a Chinese partnership to enable us to further reduce our pricing and compete with global suppliers.

Other aspects of our business include fan tray assembly of connectors to fans, the customizing of circuit board headers and a variety of other processes connected to the product lines that we represent. Sub-Sem is a franchised distributor of connectors, cable, switch products, relays, fans, and many other products.

The types of assemblies that we consider assembling in Mexico and China are those that are labor intensive and have a consistent volume. Our Crystal Lake facility plays a role in the initial design, quotation and first article approval before production is released to Mexico or China.

A sampling of customers who have benefited from our alliance in Mexico and China include, Life Fitness, Danfoss Drives, Spectrum Technologies, Rockwell Automation, GE Healthcare, Viking Range, and Creation Technologies. Sub-Sem, is very proud of its franchised relationships. We feel that our franchises offer us the opportunity to become very familiar with our supplier base, which in the long run, benefits our customers. These relationships allow us to be your best alternative for local, high quality, competitive products.



Included in this overview you will find the following:

- A). Top Ten Customers
- B). Connector Supplier List
- C). Wire and Cable Supplier List
- D). Sub-Sem Services and Capabilities
- E). Process Capabilities

Top Ten Customers

Life Fitness Danfoss Drives Rockwell Automation Sigmatron PCI Limited
Creation Technologies Adaptive Micro Systems System Sensor Grayhill Protokon Kft

Connector Supplier List*

3M	JST
TE(Tyco/AMP)	Kings
Amphenol	Lemo
Assmann	Sentinal
FCI/Berg	Molex
Cambion	Molex/ETC
Cinch	Molex Terminal Blocks
CW	Packard
Elcon	Panduit
EMI	Qualtek
Hirose	Radial
Huber-Suhner	Stewart Stamping
ITT/Cannon	Thomas & Betts

Wire and Cable Supplier List*

3M	Houston Wire & Cable
Alpha	Superior Essex
Belden	Madison Cable
Consolidated	Molex
Dearborn	Montrose/CDT
EIS	Prestolite
General Cable	Quabbin
Thermax	Radix
Tinsolite	Thomas & Betts
Harbour Ind.	Industrial Electric Wire & Cable

*List is not all inclusive, other mfgs. available.

Sub-Sem Services and Capabilities

I. Assembly (Crystal Lake and Mexico)

- A). Wire and Cable Assembly
 - 1). Co-Ax
 - 2). Circular
 - 3). Crimp
 - 4). Insulation Displacement
 - 5). Solder
 - 6). Harnesses
- B). Switch Assembly
- C). Custom Assembly
 - 1). P.C. Board
 - 2). Buss bars
 - 3). Electro Mechanical

II. Cable Services (Discrete Wire, Co-Ax, Multi Conductor, Round to Flat)

- A). Cutting
- B). Stripping
- C). Strip and Retain
- D). Tinning
- E). Jacketing

III. Ribbon Cable Services (.025", .050", .079", .098", .100", and .156")

- A). Cutting
- B). Notching
- C). Strip and Retain (.079" and .100")

IV. Connector Modifications

- A). Cutting
- B). Circuit Voiding
- C). Dyeing

V. Design and Development

- A). Recommend and assist in selection of appropriate components for customer's specific applications.
- B). Create Customer Drawings/Prints AutoCad

Sub-Sem Services and Capabilities Continued

VI. Kitting

VII. Labeling, Stamping, Printing (Identification)

VIII. Production Capabilities

IX. Prototype / Sampling Services

X. Testing / Inspection

- A). S.P.C.
- B). Hi-Pot

XI. Other

- A). EDI /AS2
- B). Bar Coding
- C). Schedule Sharing
- D). Kan-Ban Scheduling
- E). J.I.T.
- F). Custom Inventory