

Annex F. Identification System for Connector and Cable Assembly Variations.

F.1 Connector Identification System

Figure F-1 – Connector identifier format

<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>j</u>
<u>1394</u>	<u>L</u>	<u>N</u>	<u>L</u>	<u>L</u>	<u>N</u>	<u>L</u>	<u>L</u>	<u>N</u>

L= Letter; N=Number

a) Designates IEEE Specification

b) Types of Connector Half:

S = Socket

P = Plug

c) Number of Contacts (in digits)

d) Type of Mounting Orientation of Socket. (Not applicable to Plug) See Fig. 4-13.

A=Right-Angle, Upright

B=Right-Angle, Upright, Inverted

C=Right-Angle, Flat.

D=Right-Angle, Flat, Inverted

E=Right-Angle, Flat, Straddle.

F=Straight.

G through J=Other(s), as needed. (TBD)

e) Type of Termination on Socket. (Not applicable to Plug) See Fig. 4-13.

K=Through-Hole Mounting; Pattern 1 (Wave Solder).

L=Through-Hole Mounting; Pattern 2.(Wave Solder)

M=Surface Mounting; Pattern 1 (Reflow Solder)

N=Surface Mounting; Pattern 2 (Reflow Solder).

P through R=Other(s), as needed.(TBD)

f) Type of Termination on Plug. (Not applicable to Socket)

A = Crimp

B= IDC

C= Insulation piercing

D= Welding

E= Soldering

F through H=Other(s), as needed. (TBD)

g) Type of Latch between Plug and Socket:

1 = Detent latch

2 = Positive latch; requires actuation of latch to disconnect.

3 through 5=Other(s), as needed. (TBD)

h) Contact finish; mating end:

K= Gold over Nickel

L= Gold flash over Palladium over Nickel

M= Gold flash over Palladium-Nickel over Nickel

Nthrough Q =Other(s), as needed, (TBD).

i) Socket contact finish; termination end.(Not applicable to Plug).

S= Gold over Nickel

T= Gold flash over Palladium over Nickel

U= Gold flash over Palladium-Nickel over Nickel

V= Tin-Lead

W through Z=Other(s), as needed, (TBD).

j) Rating for number of mating cycles:

6= 100

7= 1500

8= 5000

9 through 11=Other(s), as needed,(TBD)

F.1.1 Typical Connector Socket Identifier.

1394 S 6 A L 1 T V 7 Rated for 1500 mating cycles

| | | | | | Tin-Lead finish on terminations

| | | | | | Gold/Palladium/Nickel finish on contacts

| | | | | | Detent latch

| | | | | | Through-hole mounting; Pattern 2, (Wave solder).

| | | | | | Right-Angle, Upright

| | | | | | 6 Contacts

| | | | | | Socket half (Mounted to P.C.B.)

| | | | | | IEEE specification designator

F.1.2 Typical Connector Plug Identifier

1394 P 6 B 1 L 7

| | | | | | Rated for 1500 mating cycles

| | | | | | Gold/Palladium/Nickel finish on contacts

| | | | | | Detent latch

| | | | | | IDC Wire termination

| | | | | | 6 Contacts

| | | | | | Plug half (Assembled to cable)

| | | | | | IEEE Specification

F.2 Cable Assembly Identification System

Figure F-2 – Cable assembly identifier format

<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>
<u>1394</u>	<u>CA</u>	<u>NN</u>	<u>LNN</u>	<u>LNN</u>	<u>-NLNLN</u>

L=Letter; N= Number

a) Designates IEEE specification

b) Cable assembly designator

c) Length in Meters (in digits)

d) Signal pair conductor size (stranded)

S=Signal wires

Wire gauge in digits

e) Power pair conductor size (stranded)

P=Power wires

Wire gauge in digits

f) Use last 5 digits of the part number of the Plug attached to both cable ends.

F.2.1 Typical Cable Assembly Identifier

1394 CA 4 S30 P24 -6B1L7

| | | | |

| | | | | Plug Part Number

| | | | | 24 Gauge power pair wires.

| | | | | 30 Gauge signal pair wires.

| | | | | 4 meter cable length.

| | | | | Cable assembly designator

| | | | | IEEE specification designator

NOTE: Cable assembly manufacturer must mark part number on cable.