

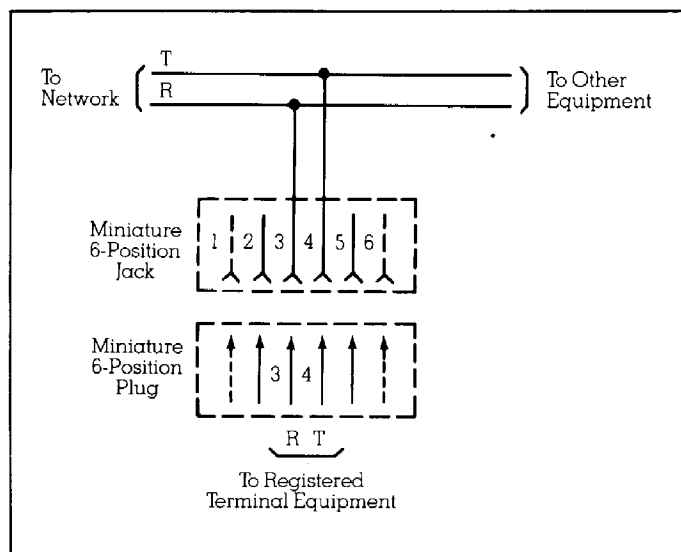
Universal Service Ordering Code

Universal Service Ordering Codes (USOC) are generic telephone company service ordering codes. Should a telephone subscriber wish to have a standard jack installed other than the basic RJ11W or RJ11C types described in this section, the subscriber should specify the appropriate USOC when requesting the installation.

The following terms are frequently referred to in this section:

- T/R—Denotes connections to the tip and ring wires of a telephone communications line, trunk, channel or facility.
- A/A1—Signifies connections to the hold functions of key telephone systems. The "A" lead corresponding to a particular telephone line is shorted to the "A1" lead when that line is off-hook in order to permit the proper operation of the "hold" functions associated with that line.
- Bridged—Signifies a parallel connection.
- Data—Data configurations use jacks which incorporate components to limit signal power levels of data equipment. Data equipment with a maximum signal power output of -9dBm are not limited to data configurations.

RJ11C & RJ11W



RJ11C	Surface or flush mounted jacks.
RJ11W	Wall mounted jacks.
Electrical Network Connection	Single line bridged tip and ring only.
Mechanical Arrangement	Miniature 6-position jack.
Typical Usage	Single line non-key telephones and ancillary equipment.

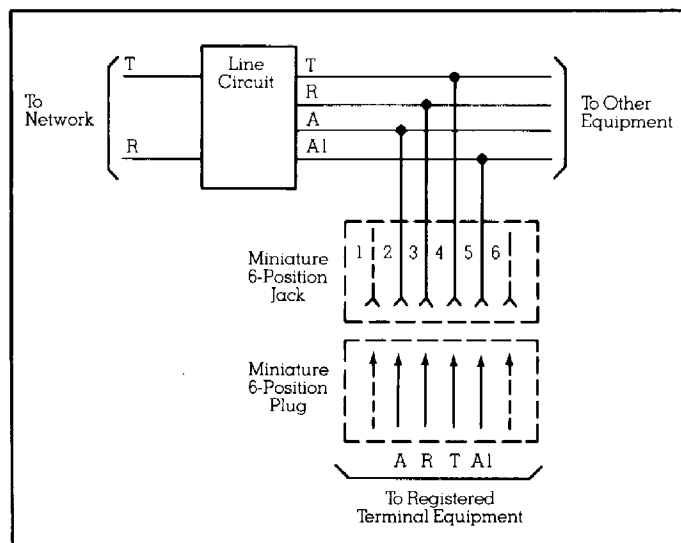
AT&T products which can be used for USOC RJ11C:

625A	625FS	625AS
625B	Z625WP4	625AS4
625C	725A	625AS6
625F	725S	625BP4
625S	725FS	625BP6
625SA	725FSA	625D4
625TD	725T	625D6
625TJ	625A4	625DP4
		625DP6

AT&T products which can be used for USOC RJ11W:

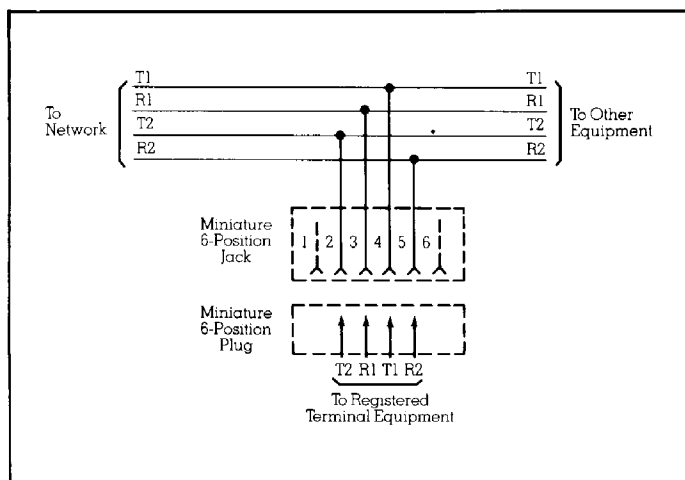
630B	630C-NC	830A
630C6	630C6-NC	

RJ13C & RJ13W



RJ13C	Surface or flush mounted jacks.
RJ13W	Wall mounted jacks.
Electrical Network Connection	Single line bridged tip, ring, A and Al leads behind the line circuit of a key system.
Mechanical Arrangement	Miniature 6-position jack.
Typical Usage	Single line non-key telephone sets and ancillary equipment connected to a key system.

RJ14C & RJ14W



RJ14C Surface or flush mounted jacks.

RJ14W Wall mounted jacks.

Electrical Network Connection Two-line bridged tip and ring.

Mechanical Arrangement Miniature 6-position jack.

Typical Usage Two-line, non-key telephone sets and ancillary equipment.

AT&T products which can be used for USOC RJ14C:

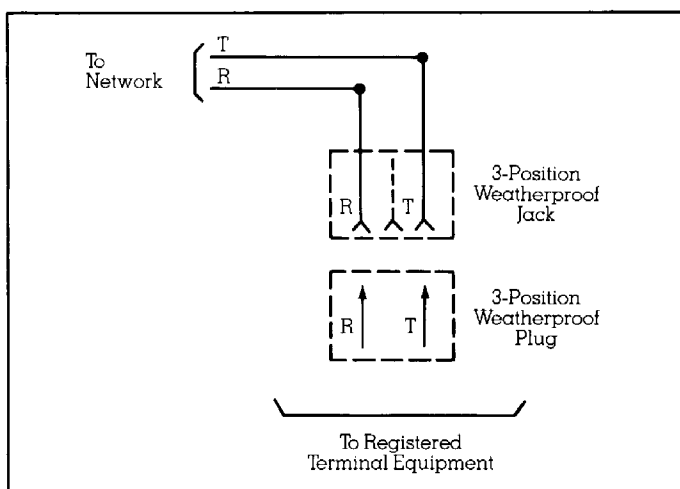
625A	625DP6	Z625WP4
625B	625F	725A
625C	625S	725S
625D4	625SA	725FS
625D6	625TD	725FSA
625DP4	625FS	725T

AT&T products which can be used for USOC RJ14W:

630B	630C6
630B6	830A

NOTE: The telephone company will wire the lines to the jack in the sequence designated by the customer.

RJ15C



RJ15C Surface or flush mounted jacks.

Electrical Network Connection Single line bridged tip and ring.

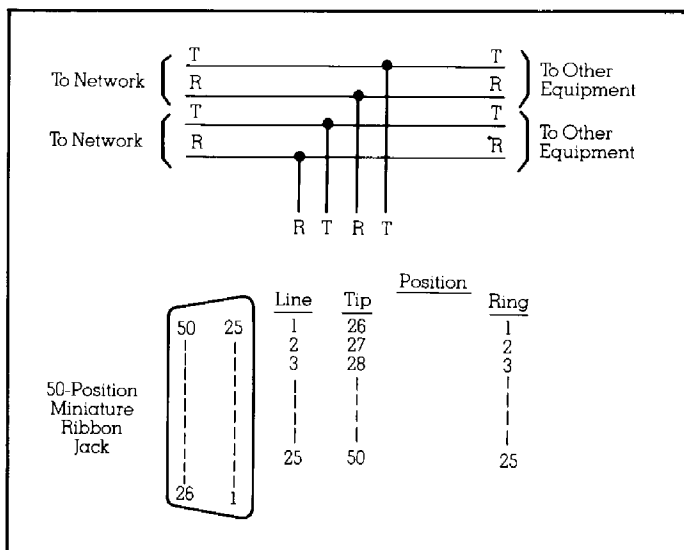
Mechanical Arrangement 3-position weatherproof jack.

Typical Usage Provides telephone service to boats in marinas.

AT&T products which can be used for USOC RJ15C:

Z625WP4

RJ21X



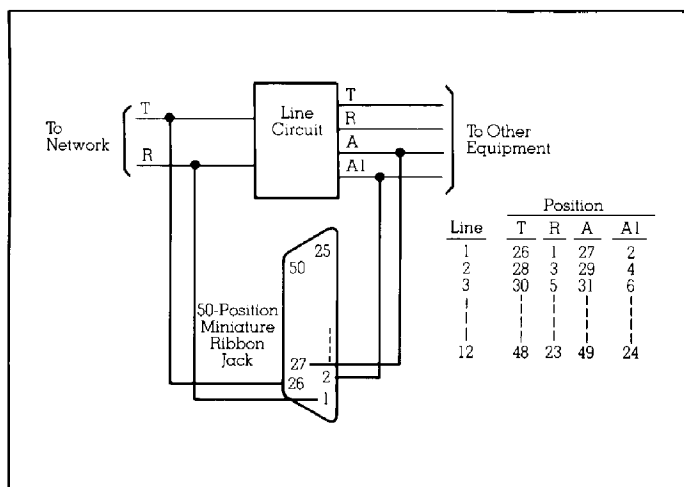
Electrical Network Connection Multiple-line bridged tip and ring.

Mechanical Arrangement 50-position miniature ribbon jack.

Typical Usage Traffic data recording equipment.

NOTE: At the time the jack is ordered, the customer must specify the sequence in which the central office lines are to be connected to the jack. The telephone company will consecutively wire these lines to the jack as shown above without skipping any positions.

RJ22X



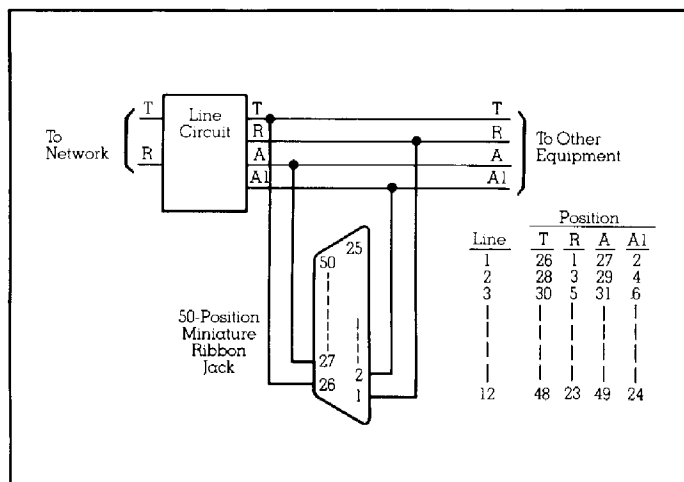
Electrical Network Connection Multiple-line bridged tip and ring ahead of the line circuit of a key system with A and A1 leads.

Mechanical Arrangement 50-position miniature ribbon jack.

Typical Usage 2 to 12 ancillary devices connected to a key system at one location where registered terminal equipment is not compatible with electrical characteristics of tip and ring behind the line circuit.

NOTE: At the time the jack is ordered, the customer must specify the sequence in which the central office lines are to be connected to the jack. The telephone company will consecutively wire these lines to the jack as shown above without skipping any positions.

RJ23X



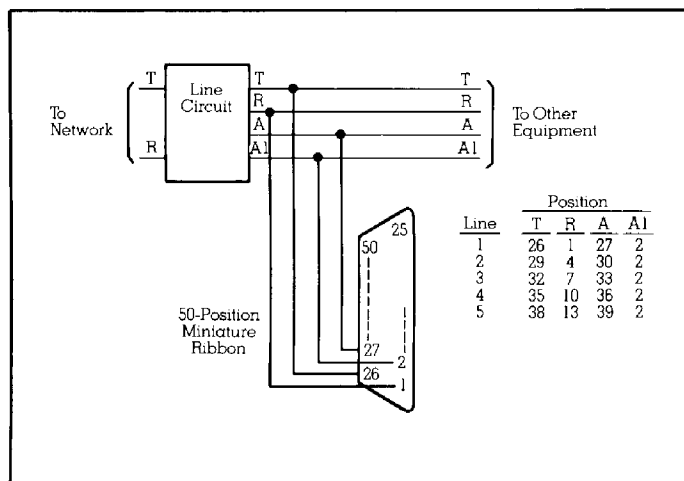
Electrical Network Connection Multiple-line bridged tip, ring, A and A1 leads behind the line circuit of a key system.

Mechanical Arrangement 50-position miniature ribbon jack.

Typical Usage 2 to 12 ancillary devices connected to a key system at one location.

NOTE: At the time the jack is ordered, the customer must specify the sequence in which the central office lines are to be connected to the jack. The telephone company will consecutively wire these lines to the jack as shown without skipping any positions.

RJ24X



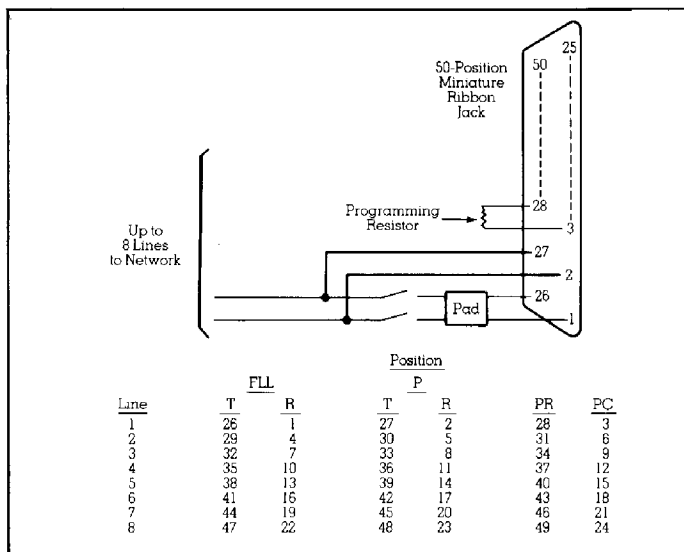
Electrical Network Connection Multiple-line bridged tip, ring, A and A1 leads behind the line circuit of a key system. This arrangement is wired the same as a five-line key system.

Mechanical Arrangement 50-position miniature ribbon jack.

Typical Usage Ancillary equipment connected to a key system, i.e., a five-line conferencing device.

NOTE: At the time the jack is ordered, the customer must specify the sequence in which the central office lines are to be connected to the jack. The telephone company will consecutively wire these lines to the jack as shown without skipping any positions.

RJ26X



Electrical Network Connection Single or multiple-line bridged tip and ring.

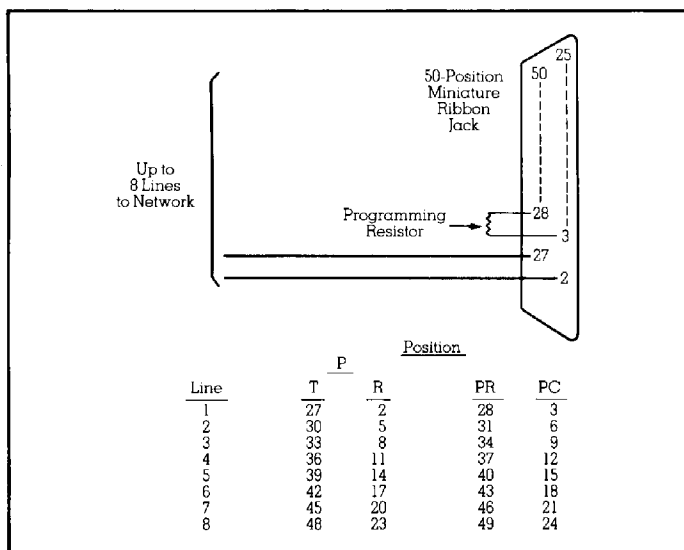
Mechanical Arrangement 50-position miniature ribbon jack.

Typical Usage Universal jack for fixed loss loops (FLL) or programmed (P) types of data equipment.

AT&T products which can be used for USOC RJ26X:

97A

RJ27X



Electrical Network Connection Single or multiple-line bridged tip and ring.

Mechanical Arrangement 50-position miniature ribbon jack.

Typical Usage Programmed jack for programmed (P) types of data equipment.

AT&T products which can be used for USOC RJ27X:

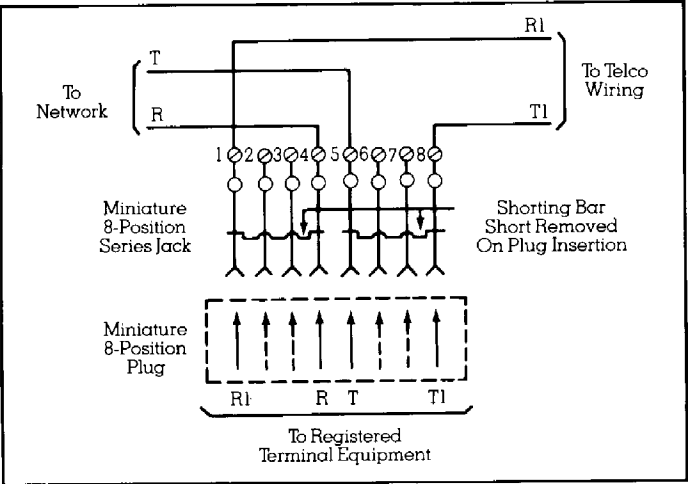
97B

97D

97E

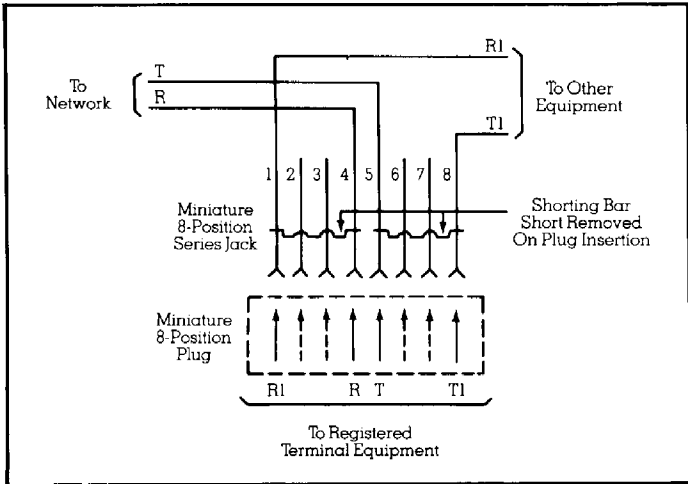
NOTE: At the time the jack is ordered, the customer shall specify the number of and sequence of central office lines to be connected to the jack. The telephone company will consecutively wire these lines to the jack in accordance with the table above, without skipping any positions.

RJ31X



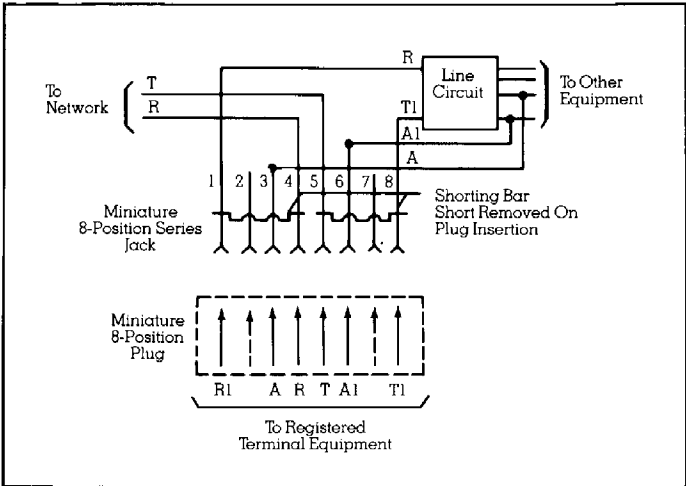
Electrical Network Connection	Series tip and ring ahead of all station equipment.
Mechanical Arrangement	Miniature 8-position series jack.
Typical Usage	Alarm reporting devices.
AT&T products which can be used for USOC RJ31X:	
635B	Z735B

RJ32X



Electrical Network Connection	Series tip and ring.
Mechanical Arrangement	Miniature 8-position series jack.
Typical Usage	Series ancillary equipment, i.e. automatic dialers and single line sets with exclusion.
AT&T products which can be used for USOC RJ32X:	
635B	Z735B

RJ33X



Electrical Network Connection Series tip and ring ahead of the line circuit of a key system with A and A1 leads.

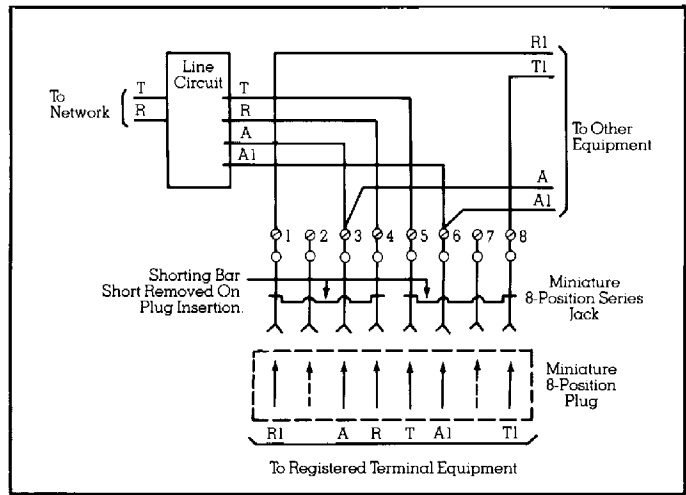
Mechanical Arrangement Miniature 8-position series jack.

Typical Usage Series ancillary devices connected to a key system where registered terminal equipment is not compatible with the electrical characteristics of tip and ring behind a line circuit.

AT&T products which can be used for USOC RJ33X:

635B

RJ34X



Electrical Network Connection Series tip, ring, A and A1 leads behind the line circuit of a key system.

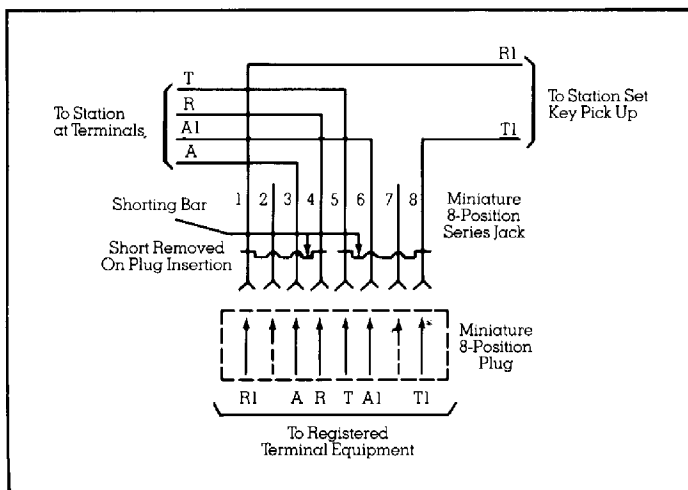
Mechanical Arrangement Miniature 8-position series jack.

Typical Usage A single line set with exclusion or series ancillary equipment connected to a key system.

AT&T products which can be used for USOC RJ34X:

635B

RJ35X



Electrical Network Connection

Series connection to the multiplied tip, ring, A and A1 leads behind the pick-up keys of a key telephone set.

Mechanical Arrangement

Miniature 8-position series jack.

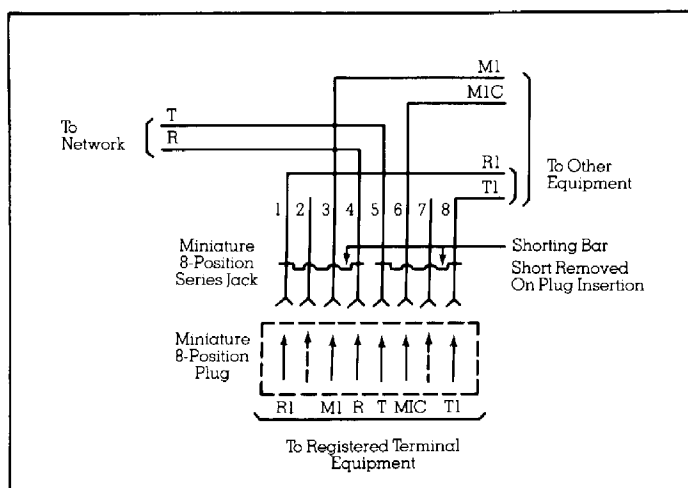
Typical Usage

Series ancillary equipment connected to a key telephone set.

AT&T products which can be used for USOC RJ35X:

635B

RJ36X



Electrical Network Connection

Series tip and ring with mode indication to station behind the series connection.

Mechanical Arrangement

Miniature 8-position series jack.

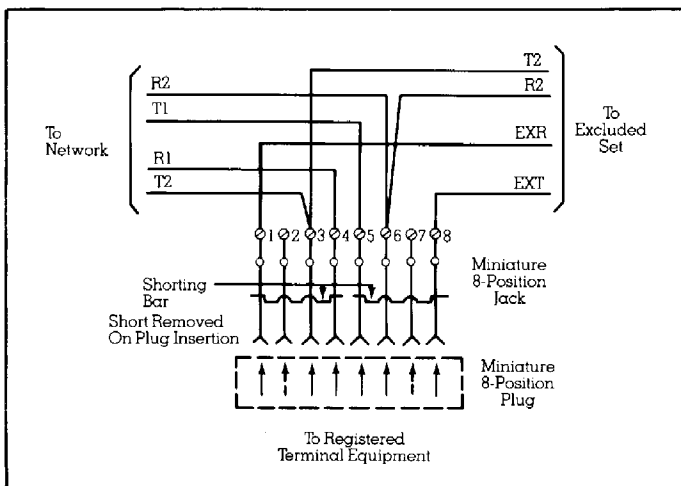
Typical Usage

Mode indication (exclusion key) telephone set in series with data jack. Customer shall specify whether a closure or opening shall indicate the exclusion mode.

AT&T products which can be used for USOC RJ36X:

635B

RJ37X



Electrical Network Connection

Two-line bridged tip and ring with exclusion on Line 1.

Mechanical Arrangement

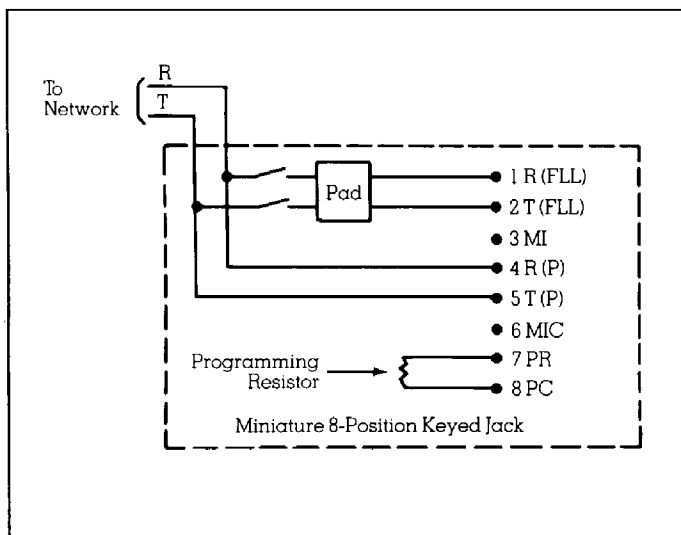
Miniature 8-position series jack.

Typical Usage

Two-line telephones with exclusion on one line.

NOTE: The telephone company will wire the lines to the jack in the sequence designated by the customer.

RJ41M



Electrical Network Connection

Multiple-line bridged tip and ring.

Mechanical Arrangement

Up to 8 miniature, 8-position keyed jacks in multiple mounting arrangements.

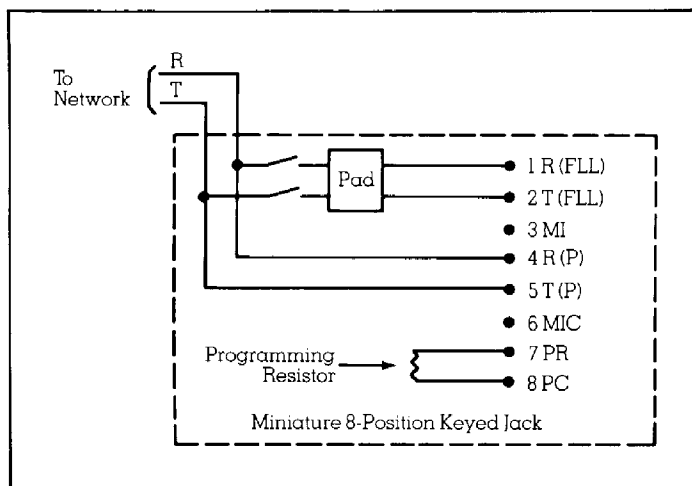
Typical Usage

Multiple installations of a fixed loss loop or programmed types of data equipment.

AT&T products which can be used for USOC RJ41M:

97A1-9

RJ41S



Electrical Network Connection Single line bridged tip and ring.

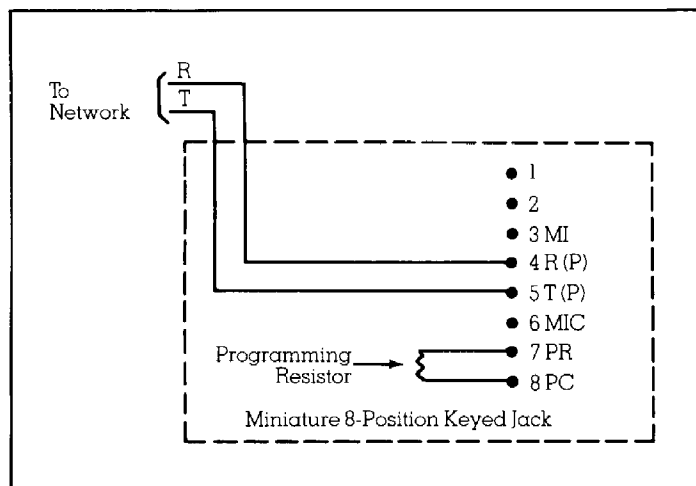
Mechanical Arrangement Single miniature 8-position keyed jack for surface mounting.

Typical Usage Universal jack for fixed loss loop (FLL) or programmed (P) types of data equipment.

AT&T products which can be used for USOC RJ41S:

97A1-9

RJ45M



Electrical Network Connection Multiple-line bridged tip and ring.

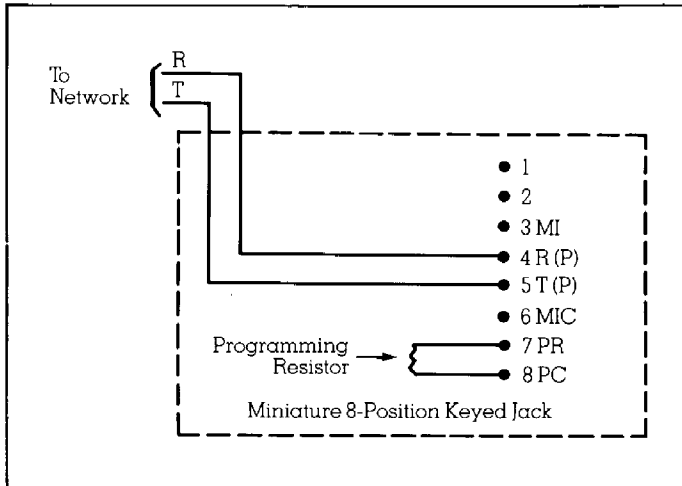
Mechanical Arrangement Up to 8 miniature, 8-position keyed jacks in multiple mounting arrangements.

Typical Usage Multiple installations of programmed types of data equipment.

AT&T products which can be used for USOC RJ45M:

97B

RJ45S



Electrical Network Connection Single line bridged tip and ring.

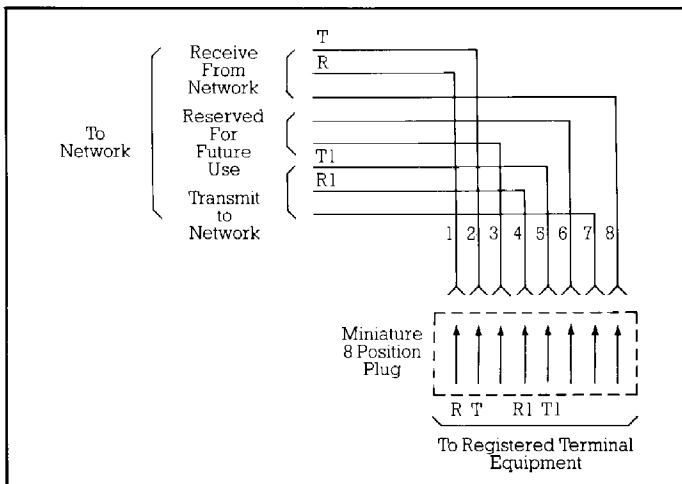
Mechanical Arrangement Single miniature 8-position keyed jack for surface mounting.

Typical Usage Programmed data equipment.

AT&T products which can be used for USOC RJ45S:

97B

RJ48C



Electrical Network Connection T&R, T1 R1. Conductors 7 and 8 provide cable shield integrity. Conductors 3 and 6 are reserved for future use.

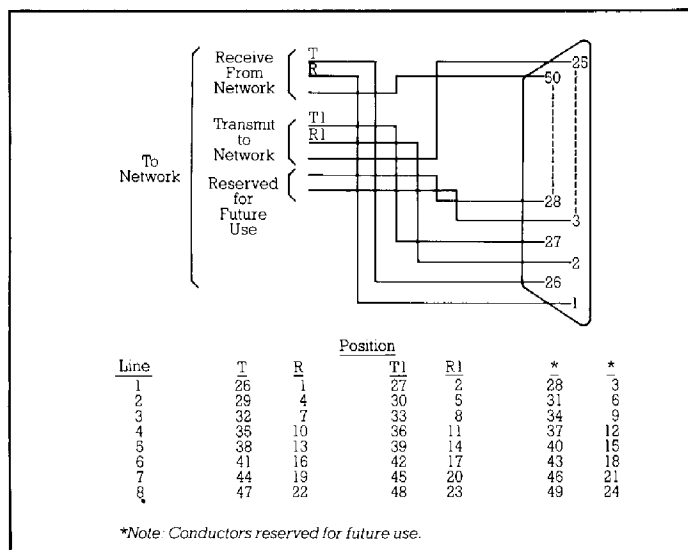
Mechanical Arrangement Miniature 8 position jack.

Typical Usage 1.544 Mbps digital services.

AT&T products which can be used for USOC RJ48C:

102A	105AF
103A	106AFD
104A	Z601A

RJ48M



Electrical Network Connection

8 T&R, 8 T1 R1. Conductors 25 and 50 provide cable shield integrity. 16 conductors reserved for future use.

Mechanical Arrangement

50 position miniature ribbon jack.

Typical Usage

1.544 Mbps digital services.

AT&T products which can be used for USOC RJ48M:

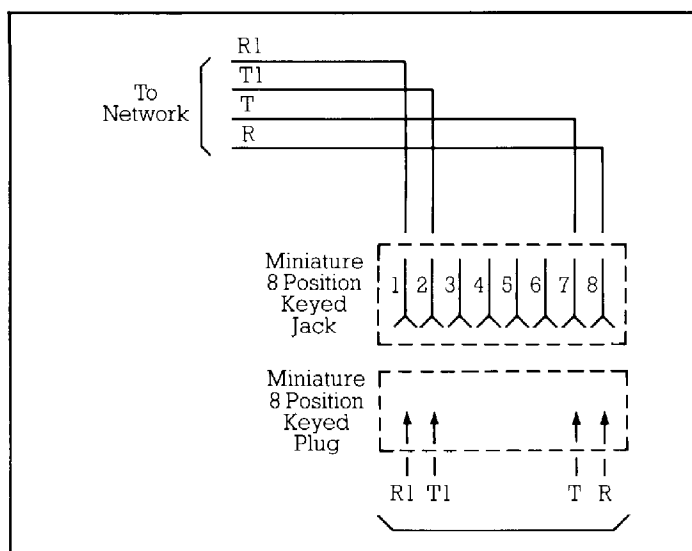
KS-16690, L1 Connector

700A-Type Jack

66E-Type Conn. Blk.

NOTE: The telephone company will wire the lines to the jack in the sequence designated by the customer.

RJ48S



Electrical Network Connection

One or two line T&R or T&R, T1 R1.

Mechanical Arrangement

Miniature 8 position keyed jack.

Typical Usage

Local area data channels/ subrate digital services.

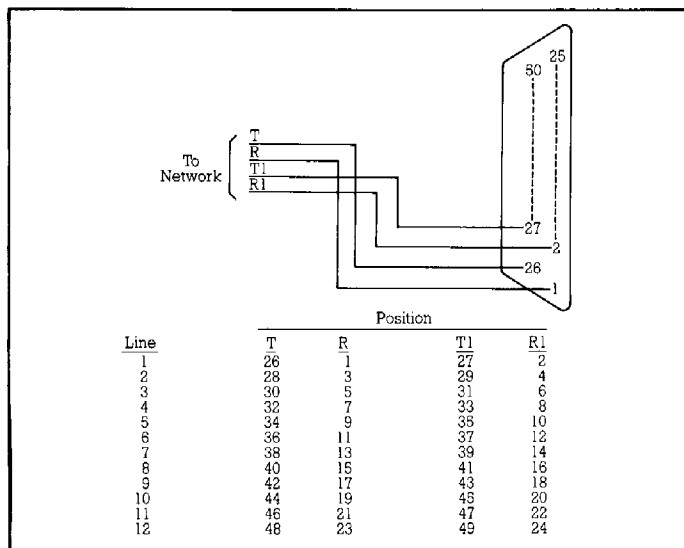
AT&T products which can be used for USOC RJ48S:

104B (Surface

105BF (Flush)

106BFD (Flush)

RJ48T



Electrical Network Connection 25 T&R or 12 T&R, T1 R1.

Mechanical Arrangement 50 position miniature ribbon jack.

Typical Usage Local area data channels or subrate digital services.

AT&T products which can be used for USOC RJ48T:

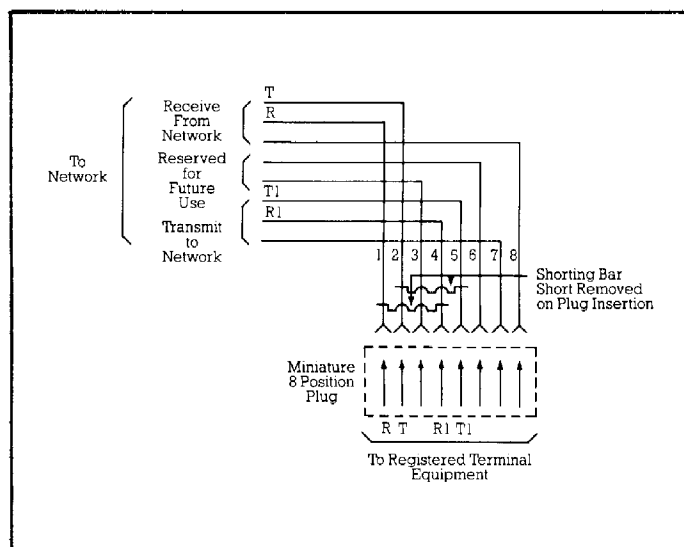
KS-16690, L1 Connector

700A-Type Jack

66E-Type Conn. Blk.

NOTE: The telephone company will wire the lines to the jack in the sequence designated by the customer.

RJ48X

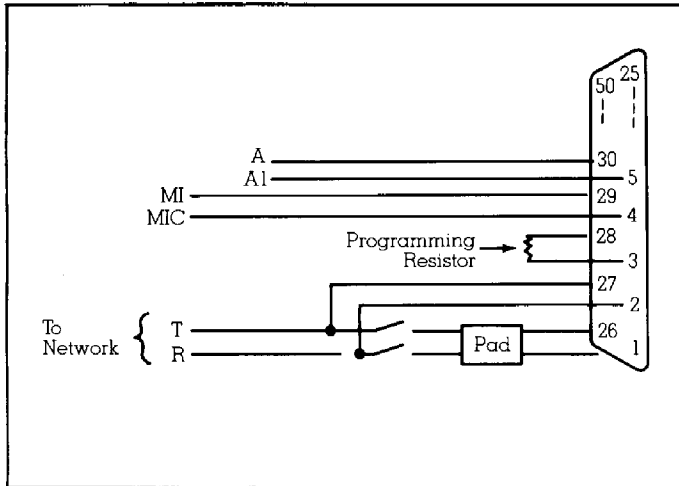


Electrical Network Connection T&R, T1 R1. Conductors 7 and 8 provide cable shield integrity. Conductors 3 and 6 are reserved for future use.

Mechanical Arrangement Miniature 8 position jack.

Typical Usage 1.544 Mbps digital services.

RJ51X & RJ52X



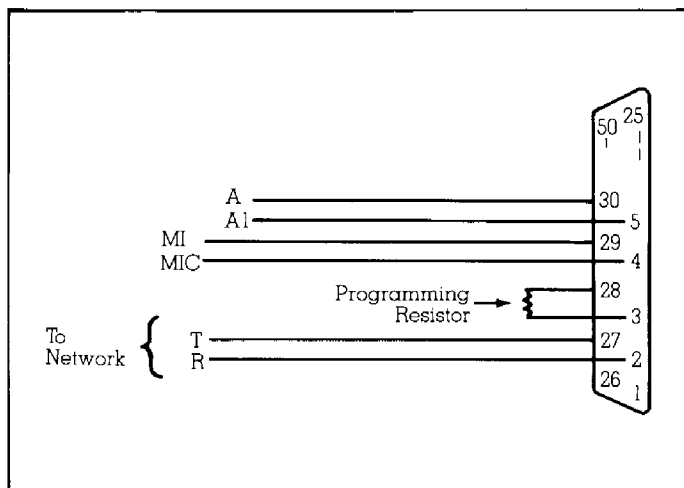
RJ51X	T/R connected ahead of line circuit.
RJ52X	T/R connected behind line circuit.
Electrical Network Connection	Single line bridged tip and ring connected either before or behind the line circuit of a key telephone system with A and A1 leads and mode indication.
Mechanical Arrangement	50-position miniature ribbon jack.
Typical Usage	Universal jack for fixed loss loop (FLL) or programmed (P) types of data equipment requiring both Mode Indication function and A/A1 connections to a key telephone system. This configuration would normally be used in conjunction with the RJ36X series configuration.

AT&T products which can be used for USOC RJ51X and RJ52X:

97A

NOTE: For a description of "before" and "behind" the line circuit, refer to RJ12C, RJ12W, RJ13C, and RJ13W.

RJ53X & RJ54X



RJ53X	T/R connected before line circuit.
RJ54X	T/R connected behind line circuit.
Electrical Network Connection	Single line bridged tip and ring connected either before or behind the line circuit of a key telephone system with A and A1 leads and Mode Indication.
Mechanical Arrangement	50-position miniature ribbon jack.
Typical Usage	Programmed jack for programmed (P) types of data equipment requiring both Mode Indication function and A/A1 connections to a key telephone system. This configuration would normally be used in conjunction with the RJ36X series configuration.

AT&T products which can be used for USOC RJ53X and RJ54X:

149B

91C

NOTE: For a description of "before" and "behind" the line circuit, refer to RJ12C, RJ12W, RJ13C, and RJ13W.