

## Section F

### Standard Jacks Associated with Systems

#### Standard Network Interface Jacks: Overview

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##### General

This section provides current standard network-interface jacks that have been adopted by the FCC. These jacks connect customer-premises registered terminal equipment and customer-owned premises wiring (COPW) to the telephone network. This section also includes the standard-interface jack that connects terminal equipment to voiceband-analog private-line service (Category II).

When installing new services, or when altering service at an installation involving registration jacks, vendors should check to see that all network wiring is properly terminated. The system manufacturer should identify the proper jack to be requested.

*Note:* Jacks used as network interfaces will not be bridged. Standard network-interface jacks may vary by Ameritech Company.

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Continued on next page

**Standard Network Interface Jacks: Overview**, continued

**Summary of  
Standard Jacks**

USOC	Description	Page #
RJ1DC	Single-line, 4-wire T/R and T1/R1 bridged connection, 6-position hardware	3-78
RJ11C/W	Single-line, 2-wire T/R bridged connection, 6-position hardware	3-79
RJ14C/W	Two-line, 2-wire T/R, T(MR)/R(MR), T(OPS)/R(OPS) bridged connection, 6-position hardware	3-80
RJ14X	Two-line, 2-wire T1/R1, and T2/R2 with sliding cover bridged connection, 6-position hardware	3-81
RJ15C	Single-line, 2-wire T/R, weatherproof bridged connection, 3-position hardware	3-82
RJ16X	Single-line, 2-wire T/R and MI/MIC, mode indication bridged connection, 6-position hardware	3-83
RJ17C	Single-line, 2-wire T/R (complies with National Electric Code [NEC] Article 517) bridged connection, 6-position hardware	3-84
RJ18C/W	Single-line, 2-wire T/R with make-busy leads bridged connection, 6-position hardware	3-85
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**Standard Network Interface Jacks: Overview**, continued

**Summary of  
Standard Jacks**  
(continued)

USOC	Description	Page #
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RJ2GX	Up to 8 Tie Trunks, 4-wire T/R, T1/R1, E&M Type I bridged connections, 50-position hardware	3-89
RJ2HX	Up to 6 Tie Trunks, 4-wire T/R, T1/R1, E&M SG/SB Type II bridged connections, 50-position hardware	3-90
RJ2MB	Up to 12 lines 2-wire T/R, with make-busy leads bridged connections, 50-position hardware	3-91
RJ21X	Up to 25 lines, 2-wire T/R bridged connections, 50-position hardware	3-92
RJ25C	Up to 3 lines, 2-wire T/R, T(MR)/R(MR), or T(OPS)/R(OPS) bridged connections, 6-position hardware	3-93
RJ26X	Up to 8 lines, 2-wire T/R, FLL or programmed data bridged connections, 50-position hardware	3-94
RJ27X	Up to 8 lines, 2-wire T/R, programmed data bridged connections, 50-position hardware	3-95

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## Standard Network Interface Jacks: Overview, continued

### Summary of Standard Jacks (continued)

USOC	Description	Page #
RJ31M	Up to 8 lines, multiple-mounting arrangement bridged connections, 8-position hardware	3-96
RJ31X	Single-line, 2-wire T/R ahead of all station equipment series connections, 8-position with shorting bars hardware	3-97
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RJ41M	Up to 8 multiple installations of FLL or programmed bridged connections, 8-position, keyed and programmed hardware	3-100
RJ41S	Single-line 2-wire T/R, FLL or programmed data bridged connections, 8-position, keyed hardware	3-101
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**Standard Network Interface Jacks: Overview**, continued

**Summary of  
Standard Jacks**  
(continued)

USOC	Description	Page #
RJ48C	Single-line, 4-wire T/R, T1/R1; 1.544 Mbps bridged connections, 50-position hardware	3-105
RJ48H	Up to 2 lines, 4-wire T/R, T1/R1; 1.544 Mbps bridged connections, 50-position hardware	3-106
RJ48M	Up to 8 lines, 4-wire T/r, T1/R1; 1.544 Mbps bridged connections, 50-position hardware	3-107
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RJ48T	Up to 25 (2-wire) or 12 (4-wire), T/R or T/R, T1/R1; LADC/subrate bridged connections, 50-position hardware	3-109
RJ48X	Single-line, 4-wire T/R, T1/R1; 1.544 Mbps bridged connections, 8-position with shorting bars hardware	3-110
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JM8	Single Private Line, 2/4-wire T/R; T/R, T1/R1, TEK/TEK, non-registered service, 8-position, keyed; w/wo loopback hardware	3-114

## Exhibits of Standard Network Interface Jacks

### Exhibit: RJ1DC

#### Single-Line Bridged 4-Wire T/R and T1/R1

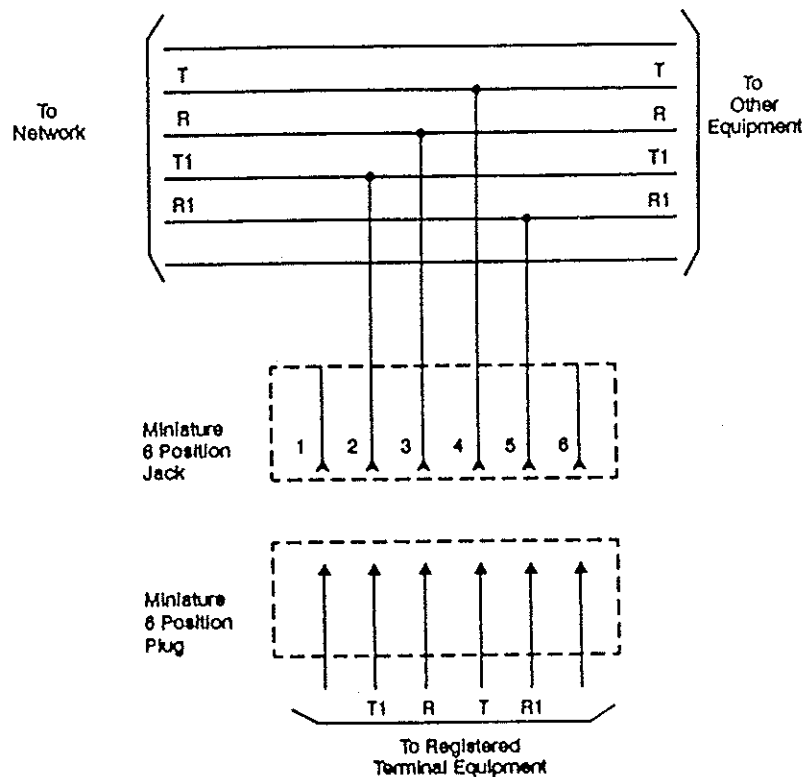
**Electrical Network Connection:** Single-line bridged 4-wire T/R and T1/R1

**Universal Service Order Code:** RJ1DC

**Mechanical Arrangement:** Miniature 6-position jack

**Typical Usage:** Terminal equipment and systems requiring 4-wire exchange access

**Wiring Diagram:** T/R — Customer transmits to network  
T1/R1 — Customer receives from network



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ11C/W

### Single-Line Bridged T/R

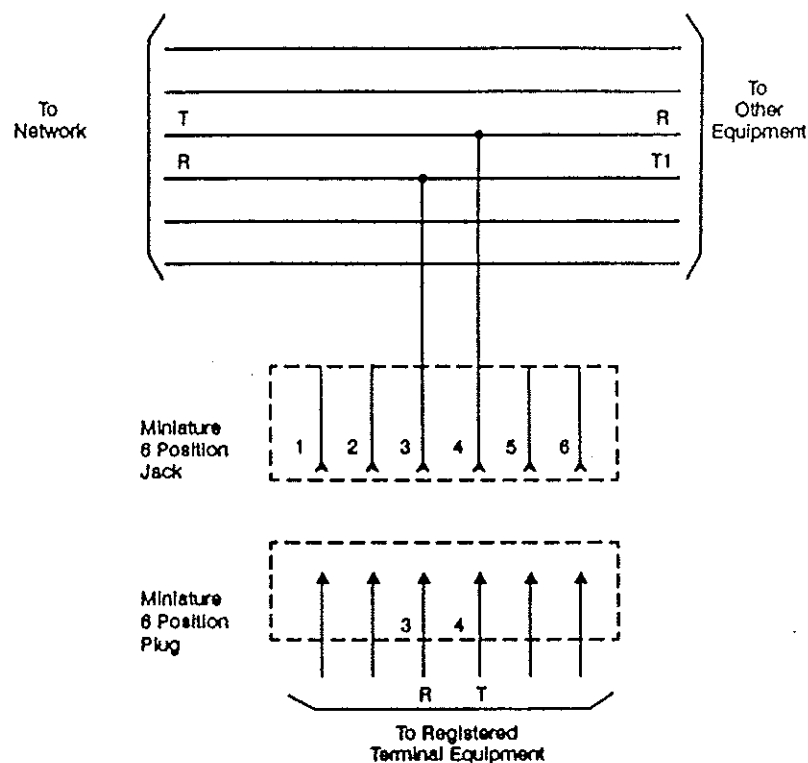
**Electrical Network Connection:** Single-line bridged T/R only

**Universal Service Order Code:** RJ11C/W

**Mechanical Arrangement:** Miniature 6-position jack

**Typical Usage:** Single-line non-key telephone, ancillary devices  
PBXs and key telephone systems  
and similar systems

#### Wiring Diagram:



Continued on next page

## Exhibits of Standard Network Interface Jacks, continued

**Exhibit:**  
RJ14C/W

**Two-Line Bridged T/R, T(MR)/R(MR),  
T(A1), or T(OPS)/R(OPS)**

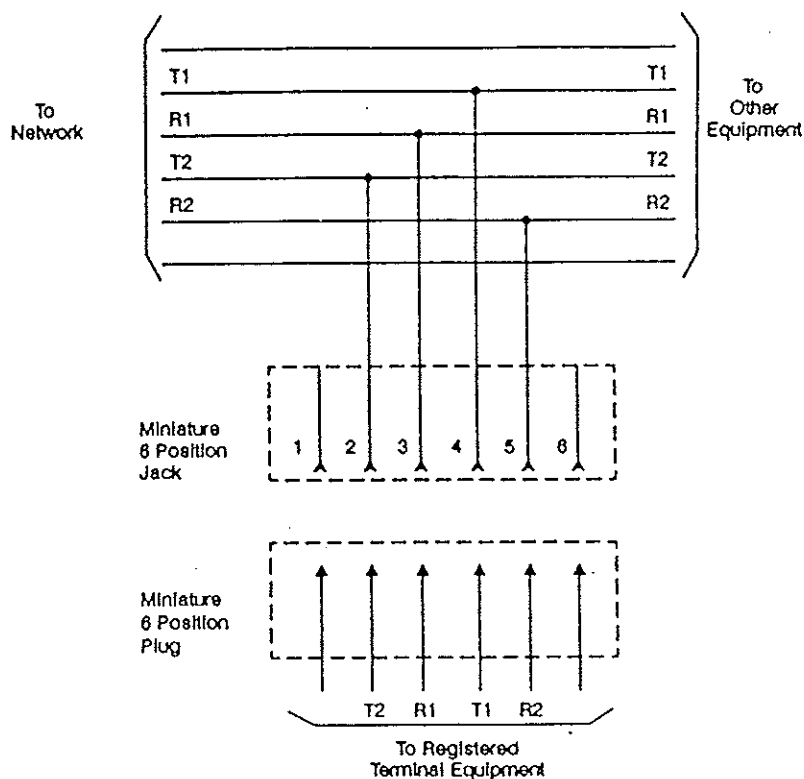
**Electrical Network Connection:** Two-line bridged T/R

**Universal Service Order Code:** RJ14C/W

**Mechanical Arrangement:** Miniature 6-position jack

**Typical Usage:** Two-line non-key telephone sets and ancillary devices,  
including message registration, automatic identification  
outward dialing, and off-premises station

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



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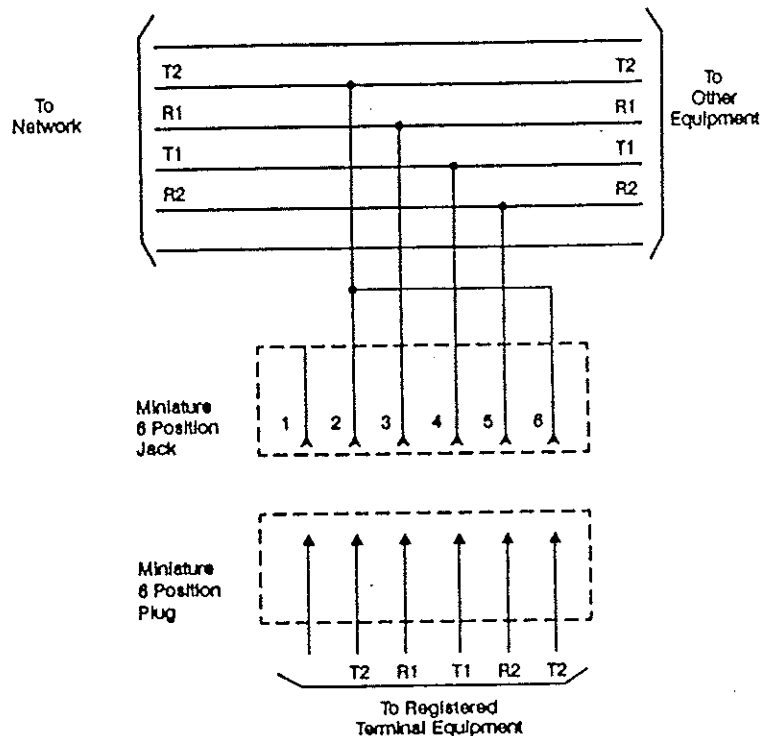


## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ14X

### Two-Line T1/R1, T2/R2 with Sliding Cover

<b>Electrical Network Connection:</b>	Two-line T/R
<b>Universal Service Order Code:</b>	RJ14X
<b>Mechanical Arrangement:</b>	Miniature 6-position modular jack with a sliding cover to facilitate testing each line
<b>Typical Usage:</b>	Connection of two exchange access lines with the provision for testing each line with a standard single-line telephone
<b>Wiring Diagram:</b>	The exchange carrier will wire the lines to the connector in the sequence designated by the customer.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ15C

### Single-Line Bridged T/R Weatherproof

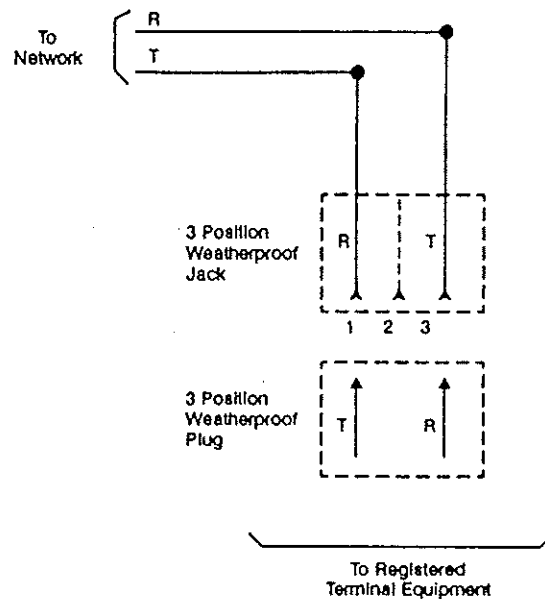
**Electrical Network Connection:** Single-line bridged T/R

**Universal Service Order Code:** RJ15C

**Mechanical Arrangement:** 3-position weatherproof jack

**Typical Usage:** Providing telephone service to boats in marinas

#### Wiring Diagram:



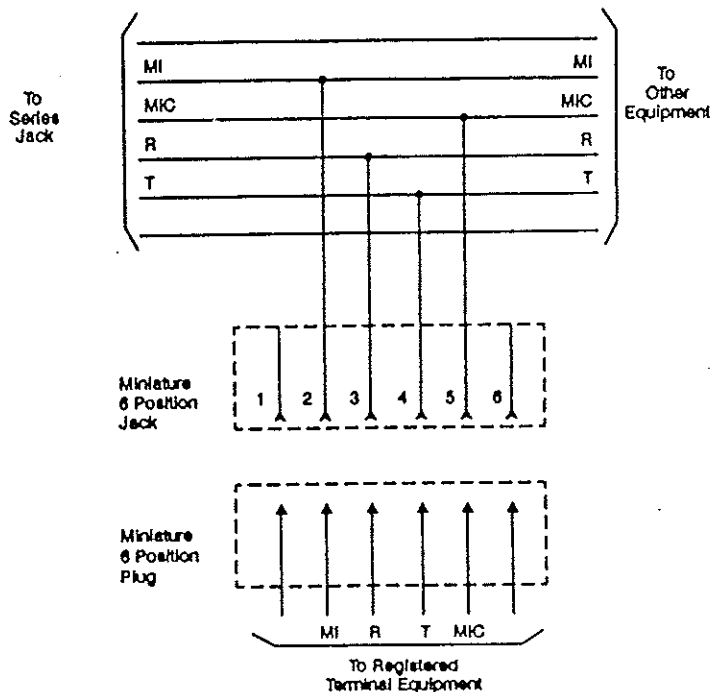
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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ16X

#### Bridged T/R with Mode Indication Signal: 6-Position Jack

<b>Electrical Network Connection:</b>	Single-line bridged T/R with mode indication to a series connection ahead of the bridged connection. Conductors 1 and 6 are reserved for telephone company use.
<b>Universal Service Order Code:</b>	RJ16X
<b>Mechanical Usage:</b>	Miniature 6-position jack
<b>Typical Usage:</b>	-9dbm ("permissive") data equipment with Mode Indicator (MI) and Mode Indication Common (MIC) leads
<b>Wiring Diagram:</b>	MI and MIC leads are typically wired to an RJ16X series jack that can be used to connect an exclusion key telephone set ahead of data equipment.



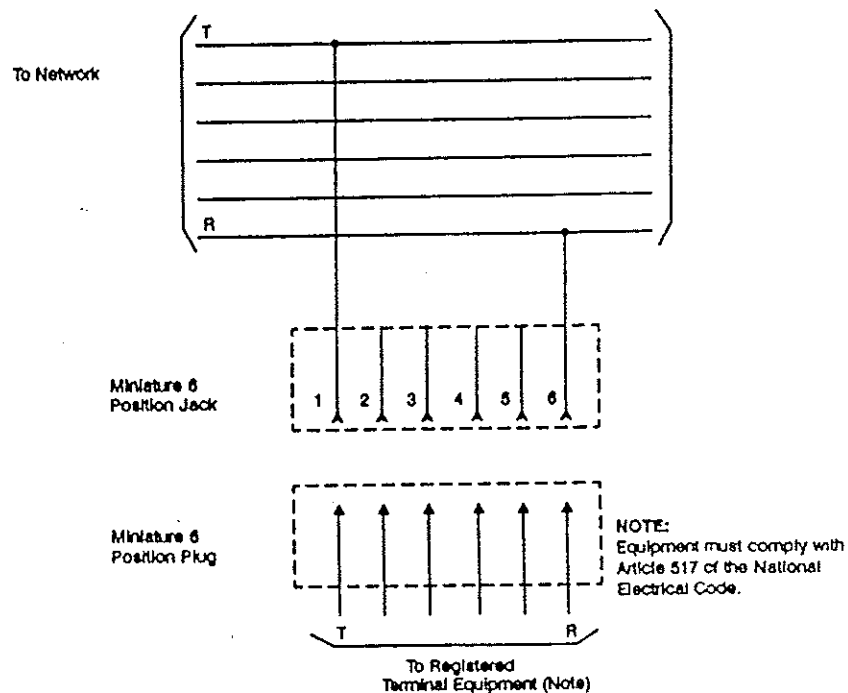
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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ17C

#### Bridged T/R for Single-Line Terminal Equipment That also Complies to 1978 NEC, Article 517; 6-Position Jack

<b>Electrical Network Connection:</b>	Single-line bridged T/R leads. Positions 2, 3, 4, and 5 are not equipped with contacts.
<b>Universal Service Order Code:</b>	RJ17C
<b>Mechanical Arrangement:</b>	Miniature 6-position jack
<b>Typical Usage:</b>	Special non-key telephone set or certain hospital ancillary equipment in hospital critical care areas. Use is restricted to devices that comply with Article 517 of the 1978 National Electrical Code.
<b>Wiring Diagram Note:</b>	Equipment must comply with Article 517 of the National Electrical Code.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ18C/W

### Single-Line Bridged T/R with Make Busy

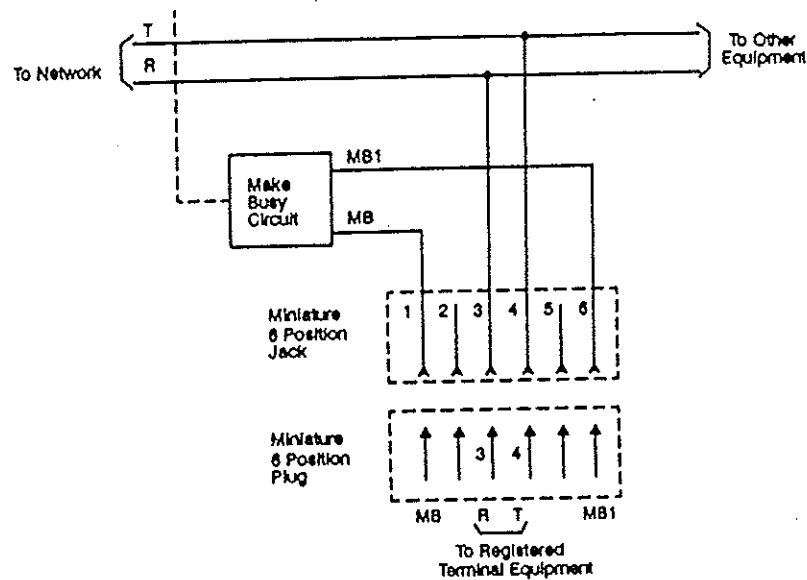
**Electrical Network Connection:** Single-line non-key telephone and ancillary devices connected directly to central office lines, where a make-busy requirement is needed.

**Universal Service Order Code:** RJ18C/W

**Mechanical Arrangement:** Miniature 6-position jack

**Typical Usage:** Single-line non-key telephone and ancillary devices connected directly to central office lines, where a make-busy requirement is needed.

#### Wiring Diagram:



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ2DX

### Up to 12 Bridged 4-Wire T/R and T1/R1 Exchange Lines

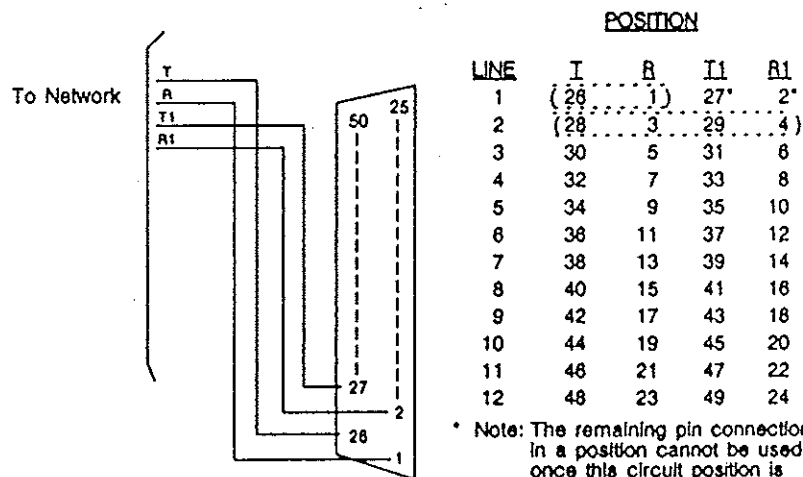
**Electrical Network Connection:** Multiple-line bridged 4-wire T/R and T1/R1, and intermixable services, as indicated below

**Universal Service Order Code:** RJ2DX

**Mechanical Arrangement:** Miniature 50-position ribbon connector

**Typical Usage:** Terminal equipment and systems requiring 4-wire exchange access — typically PBX, ACD, and so forth

**Wiring Diagram:** T/R — Customer transmit to network  
T1/R1 — Customer receive from network  
When the jack is ordered, the customer must specify the sequence in which the central office lines are to be connected to the jack.



\* Note: The remaining pin connections in a position cannot be used once this circuit position is assigned to a service requiring less than all the leads associated with the position.

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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ2EX

### Up to 12 Bridged Tie Trunks, 2-Wire T/R, E&M Type I Signaling

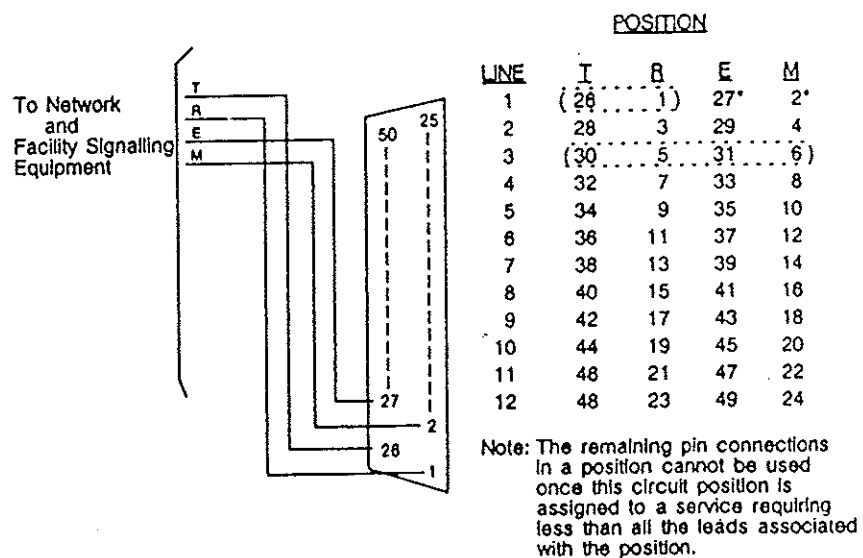
**Electrical Network Connection:** Multiple 2-wire tie trunks with E&M Type I signaling, and intermixable services, as indicated below.

**Universal Service Order Code:** RJ2EX

**Mechanical Arrangement:** Miniature 50-position ribbon jack

**Typical Usage:** PBXs, channel-derivation devices and similar systems

**Wiring Diagram:** When the jack is ordered, the customer must specify the sequence that the lines are to be connected to the jack.



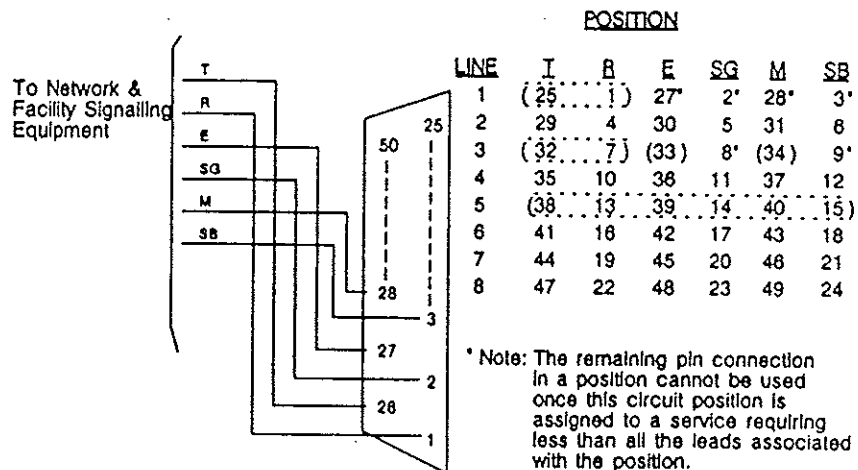
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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ2FX

### Up to 8 Bridged Tie Trunks, 2-Wire T/R, E&M Type II Signaling

<b>Electrical Network Connection:</b>	Multiple 2-Wire tie trunks with E&M Type II signaling and intermixable services, as indicated below
<b>Universal Service Order Code:</b>	RJ2FX
<b>Mechanical Arrangement:</b>	Miniature 50-position ribbon jack
<b>Typical Usage:</b>	PBXs, channel-derivation devices and similar systems
<b>Wiring Diagram:</b>	When the jack is ordered, the customer must specify the sequence in which the lines are to be connected to the jack.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ2GX

### Up to 8 Bridged Tie Trunks, 4-Wire T/R, And T1/R1 E&M Type I Signaling

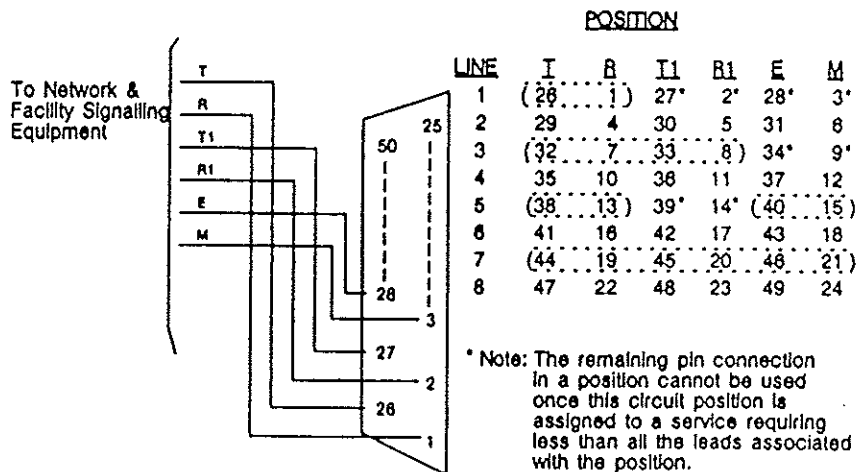
**Electrical Network Connection:** Multiple 4-wire tie trunks with E&M Type I signaling and intermixable services, as indicated below

**Universal Service Order Code:** RJ2GX

**Mechanical Arrangement:** Miniature 50-position ribbon jack

**Typical Usage:** PBXs, channel-derivation devices and similar systems

**Wiring Diagram:** T/R — Customer Transmit to Network  
T1/R1 — Customer Receive from Network  
When the jack is ordered, the customer must specify the sequence in which the lines are to be connected to the jack.



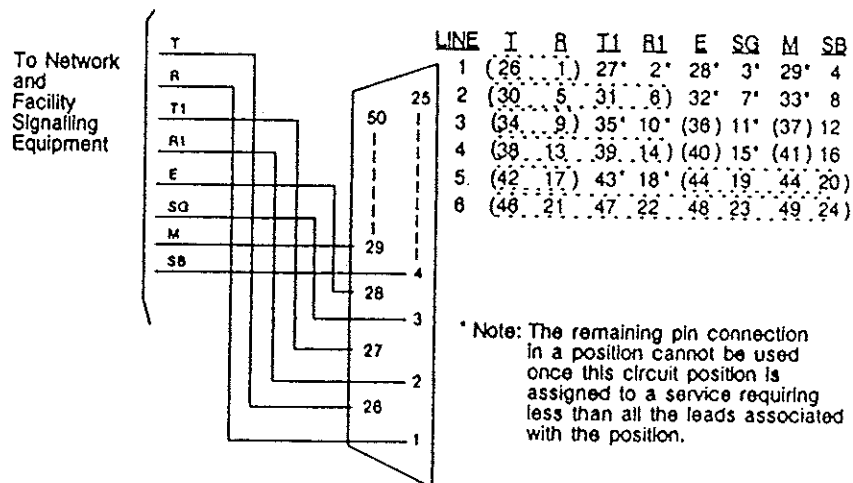
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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ2HX

### Up to 6 Tie Trunks, 4-Wire T/R, And T1/R1 E&M Type II Signaling

<b>Electrical Network Connection:</b>	Multiple 4-wire tie trunks with E&M Type II signaling and intermixable services, as indicated below
<b>Universal Service Order Code:</b>	RJ2HX
<b>Mechanical Arrangement:</b>	Miniature 50-position ribbon jack
<b>Typical Usage:</b>	PBXs, channel-derivation devices and similar systems
<b>Wiring Diagram Note:</b>	When the jack is ordered, the customer must specify the sequence in which the lines are to be connected to the jack.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ2MB

### Bridged Multiple-Line 50-Position T/R With Make-Busy Arrangements

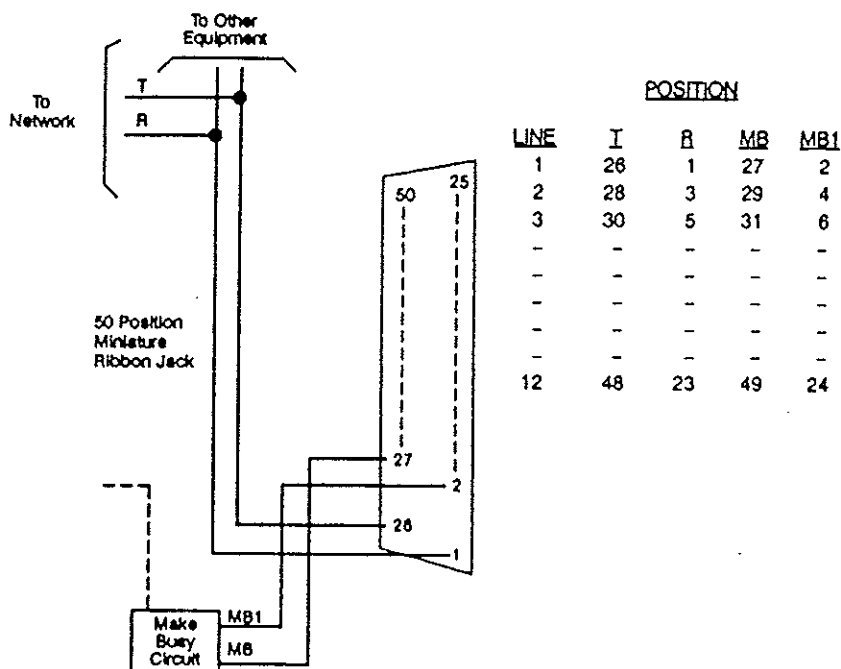
**Electrical Network Connection:** Multiple-line bridge T/R with MB/MB1 leads for make-busy indication

**Universal Service Order Code:** RJ2MB

**Mechanical Arrangement:** Miniature 50-position ribbon jack

**Typical Usage:** Two 12-non-key telephone and ancillary devices connected directly to central office lines where a make-busy requirement is needed

#### Wiring Diagram:



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ21X

#### Multiple-Line Bridged Configurations-(1) Up to 25 Bridged T/R

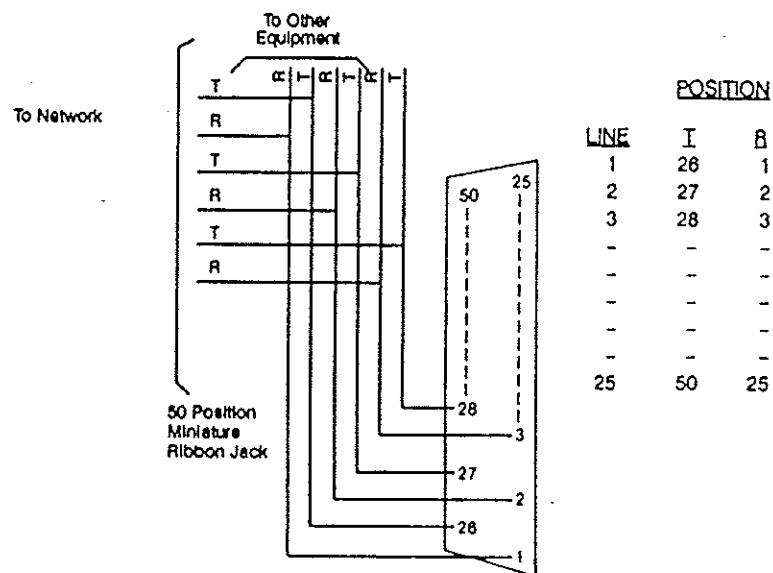
**Electrical Network Connection:** Multiple-line bridged T/R

**Universal Service Order Code:** RJ21X

**Mechanical Arrangement:** Miniature 50-position ribbon jack

**Typical Usage:** Traffic data recording systems, PBXs and key telephone systems

**Wiring Diagram:** When the jack is ordered, the customer must specify the sequence in which the lines are to be connected to the jack. The telephone company will wire these lines to the jack, as shown below, without skipping any positions.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ25C

### Bridged T/R, T(MR)R(MR, T(A1)/R(A1), or T(QPS)/R(QPS) for up to 3 Lines; 6-Position Jack

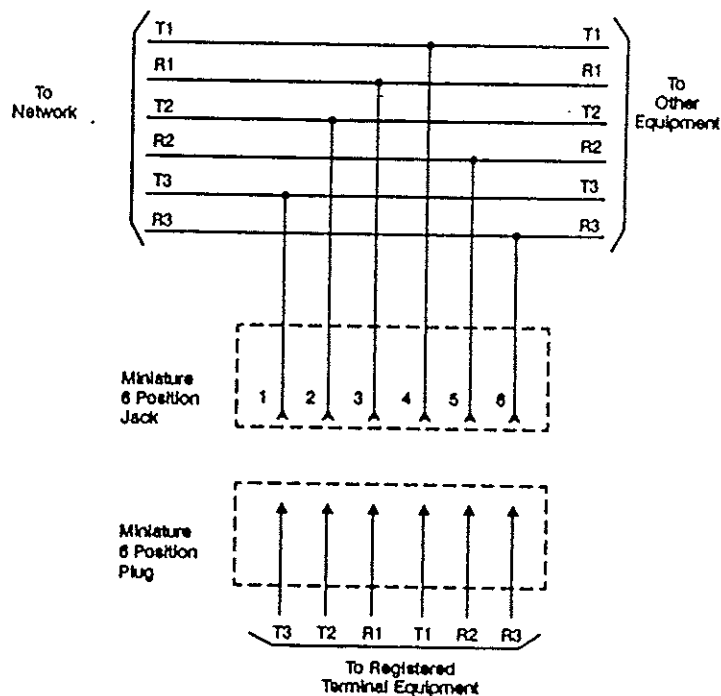
**Electrical Network Connection:** Up to 3 lines bridged T/R

**Universal Service Order Code:** RJ25C

**Mechanical Arrangement:** Miniature 6-position jack

**Typical Usage:** Three-line non-key telephone sets and ancillary devices, including message registration, AIOD, and OPS

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



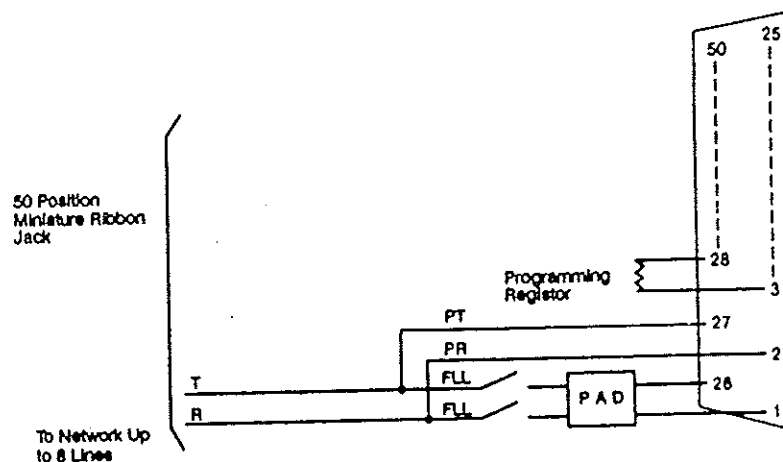
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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RRJ26X

### Bridged T/R; 50-Position Ribbon Jack-Universal

- Electrical Network Connection:** Single- or multiple-line bridged T/R
- Universal Service Order Code:** RJ26X
- Mechanical Arrangement:** Miniature 50-position ribbon jack
- Typical Usage:** Universal jack for fixed loss-loop (FLL) or programmed (P) types of data equipment
- Wiring Diagram:** When the jack is ordered, the customer must specify the number of and sequence of central office lines to be connected to the jack. The telephone company will wire these lines to the jack in accordance with the table below, without skipping any positions.



LINE	POSITION							
	T	R	T	R	PR	PO		
1	26	1	27	2	26	3		
2	26	4	27	5	31	6		
3	26	7	27	8	34	9		
4	26	10	27	11	37	12		
5	26	13	27	14	40	15		
6	41	16	42	17	43	18		
7	44	19	45	20	46	21		
8	47	22	48	23	49	24		

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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ27X

### Bridged T/R; 50-Position Ribbon Jack-Programmed

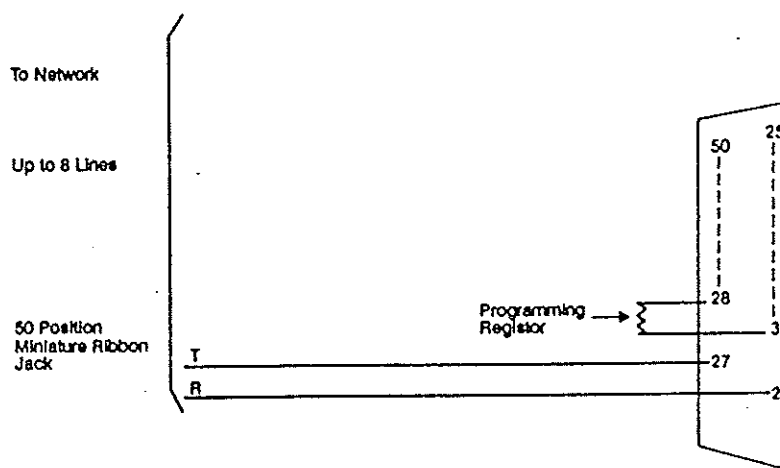
**Electrical Network Connection:** Single- or multiple-line bridged T/R

**Universal Service Order Code:** RJ27X

**Mechanical Arrangement:** Miniature 50-position ribbon jack

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

**Wiring Diagram:** When the jack is ordered, the customer must specify the number of and sequence of central office lines to be connected to the jack. The telephone company will wire these lines to the jack in accordance with the table below, without skipping any positions.



LINE	POSITION			
	T	R	PR	PC
1	27	2	28	3
2	30	6	31	6
3	36	8	34	8
4	36	11	37	12
5	39	14	40	16
6	42	17	43	18
7	46	20	46	21
8	46	23	48	24

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## Exhibits of Standard Network Interface Jacks, continued

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### Exhibit: RJ31M

### Multiple-Line Series Configurations Up to 8 Position Jacks

**Electrical Network Connection:**

**Universal Service Order Code:** RJ31M

**Mechanical Arrangement:** Multiple 8-position series jacks

**Typical Usage:** Multiple-series alarm-reporting devices

**Wiring Diagram:** Multiple-series jacks in this category consist of multiple arrangements of RJ31X or RJ38X, in a multiple-mounting arrangement. Such multiple arrangements may be ordered as a unit under the USOC RJ31M.

See pages 3-91 and 3-92 for wire diagram

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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ31X

#### Series Configuration T/R Ahead of all Station Equipment

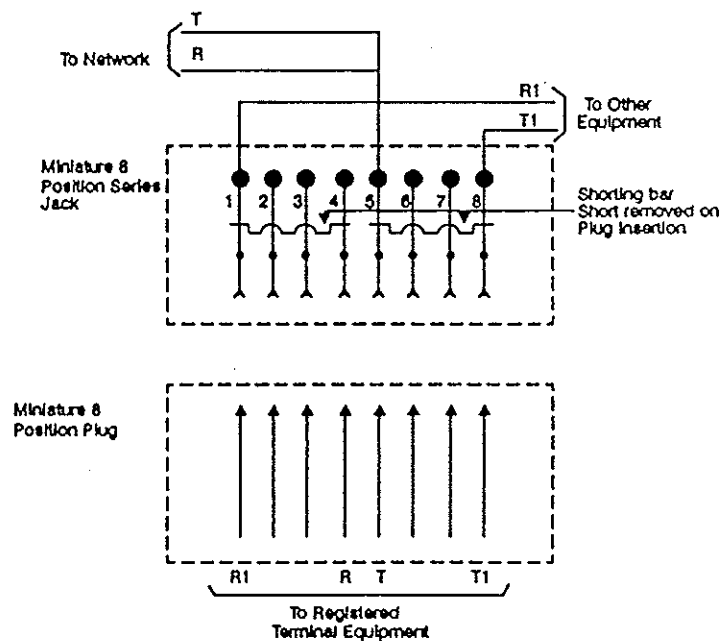
**Electrical Network Connection:** Series T/R ahead of all station equipment — conductors 2, 3, 6, and 7 reserved for telephone company use

**Universal Service Order Code:** RJ31X

**Mechanical Arrangement:** Miniature 8-position series jack

**Typical Usage:** Alarm reporting devices

**Wiring Diagram:**



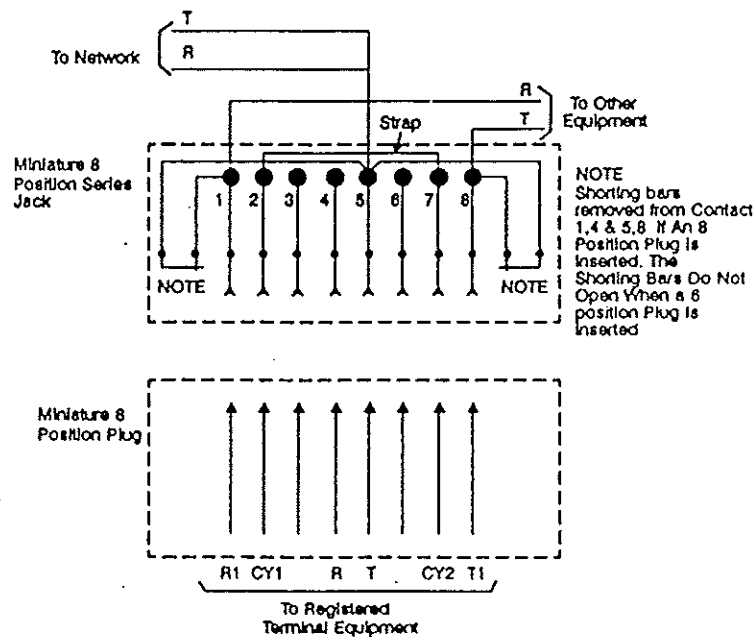
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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ38X

### Series Single-Line T/R with Continuity Circuit

Electrical Network Connection:	Series T/R ahead of all station equipment with continuity circuit
Universal Service Order Code:	RJ38X
Mechanical Arrangement:	Miniature 8-position series jack
Typical Usage:	Alarm reporting devices and similar systems
Wiring Diagram Note:	Add strap between terminals 2 and 7



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ4MB

### Single-Line Data with Make Busy, Keyed & Programmed

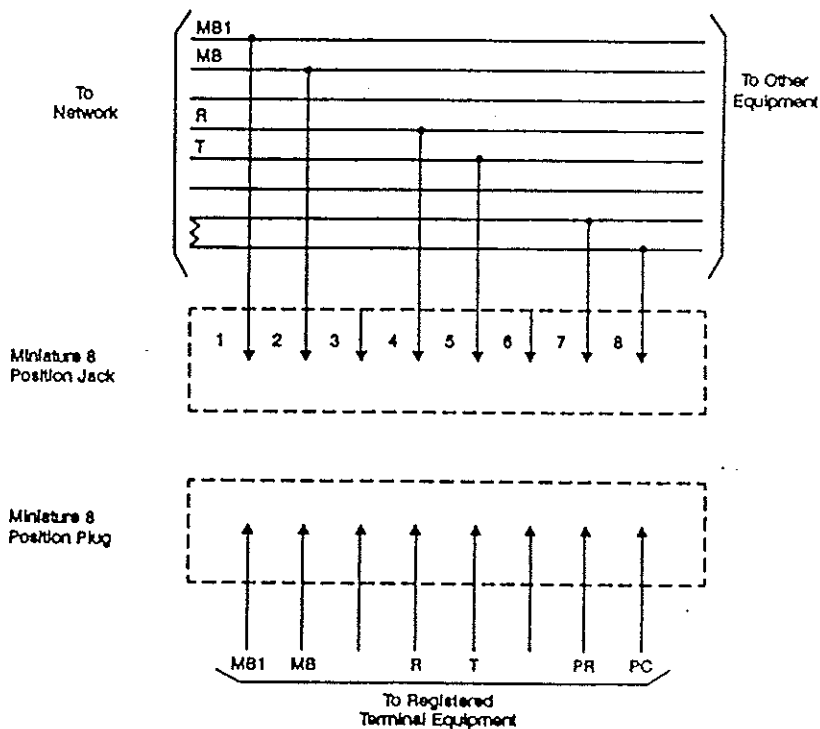
**Electrical Network Connection:** T/R

**Universal Service Order Code:** RJ4MB

**Mechanical Arrangement:** Miniature 8-position keyed modular jack equipped with make-busy leads

**Typical Usage:** Connection of exchange access lines to programmed data terminal equipment, equipped with make-busy leads

**Wiring Diagram:**



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## Exhibits of Standard Network Interface Jacks, continued

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### Exhibit: RJ41M

### Multiple Bridged T/R; 8-Position Keyed Data Jack - Universal

Electrical Network Connection:	Multiple-line bridged T/R
Universal Service Order Code:	RJ41M
Mechanical Arrangement:	Up to 8 miniature, 8-position keyed jacks in multiple-mounting arrangement (this USOC is implemented with the 103A apparatus mounting)
Typical Usage:	Multiple installations of fixed loss loop or programmed types of data equipment
Wiring Diagram:	Multiple arrangements of RJ41S

See page 3-95 for wire diagram

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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ41S

### Bridged T/R; 8-Position Keyed Data Jack - Universal

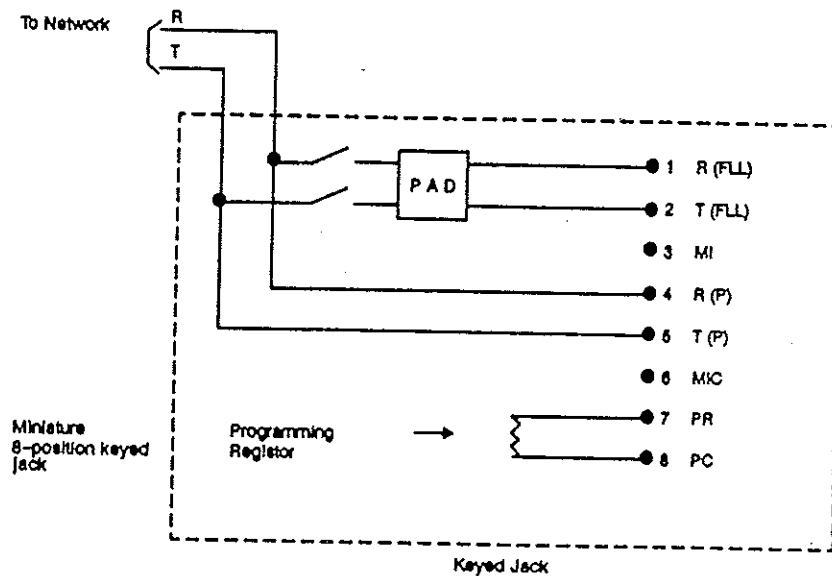
**Electrical Network Connection:** Single-line bridged T/R

**Universal Service Order Code:** RJ41S

**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

**Wiring Diagram:**



Continued on next page

## Exhibits of Standard Network Interface Jacks, continued

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### Exhibit: RJ45M

### Multiple-Bridged T/R; 8-Position Keyed Data Jack - Programmed

Electrical Network Connection:	Multiple-line bridged T/R
Universal Service Order Code:	RJ45M
Mechanical Arrangement:	Up to 8 miniature 8-position keyed jacks in multiple-mounting arrangement
Typical Usage:	Multiple installations of programmed types of data equipment (this USOC is implemented with the 103A apparatus mounting)
Wiring Diagram:	Multiple arrangement of RJ45S

See page 3-97 for wire diagram

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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ45S

#### Bridged T/R; 8-Position Keyed Data Jack - Programmed

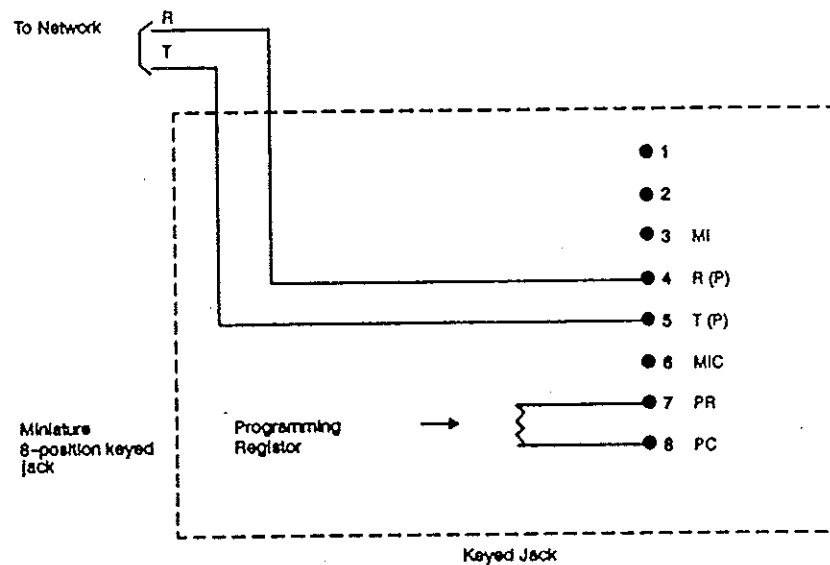
**Electrical Network Connection:** Single-line bridged T/R

**Universal Service Order Code:** RJ45S

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

**Typical Usage:** Programmed data equipment

**Wiring Diagram:**



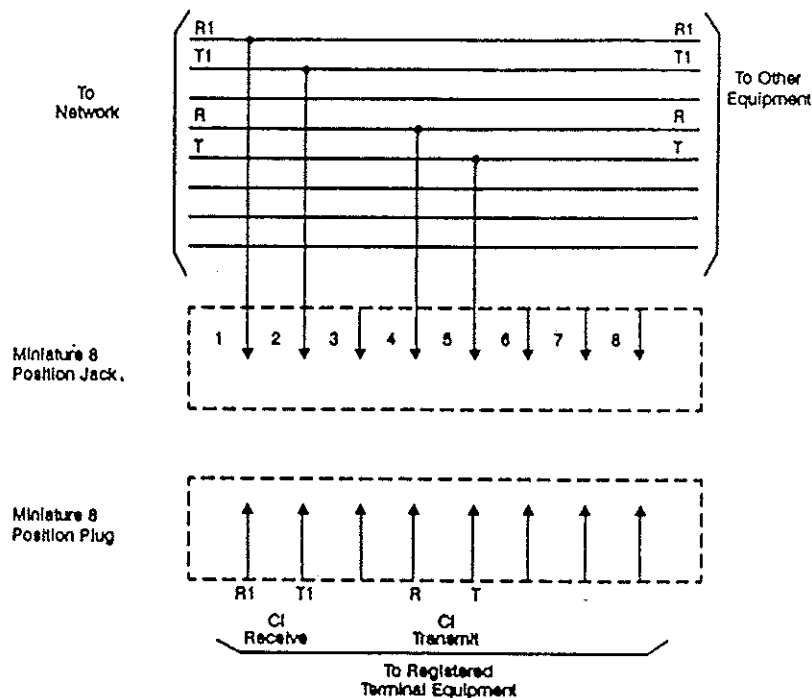
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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ48C

### T/R: T1 R1; 8-Position Jack

**Electrical Network Connection:** T/R and T1/R1  
**Universal Service Order Code:** RJ48C  
**Mechanical Arrangement:** Miniature 8-position modular jack  
**Typical Usage:** Connecting to 1.544 Mbps digital service  
**Wiring Diagram:** T/R — Customer transmit to network  
T1/R1 — Customer receive from network



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ48H

### T/R and T1/R1; 50-Position Miniature Ribbon Jack

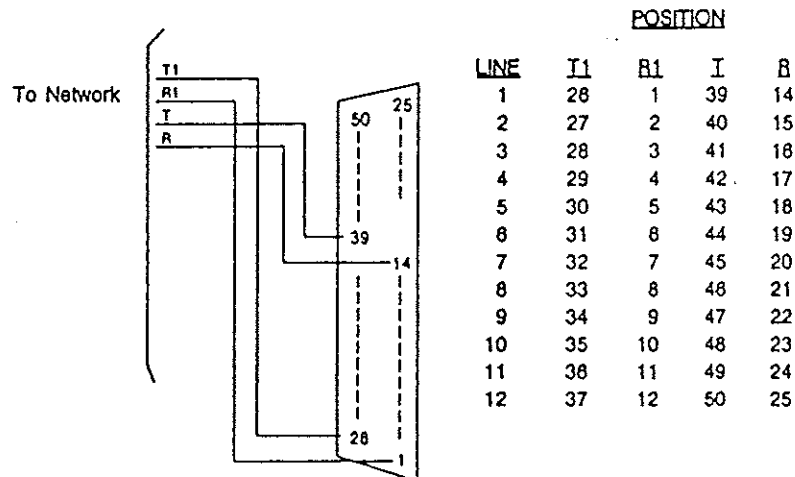
**Electrical Network Connection:** Twelve 4-wire circuits; T/R and T1/R1

**Universal Service Order Code:** RJ48H

**Mechanical Arrangement:** Miniature 50-position ribbon jack

**Typical Usage:** Connecting to twelve 1.544 Mbps digital lines

**Wiring Diagram:** T/R — Customer transmit to network  
T1/R1 — Customer receive from network  
The telephone company will wire lines to the connector in the sequence designated by the customer.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ48M

### T/R and T1/R1; 50-Position Miniature Ribbon Jack

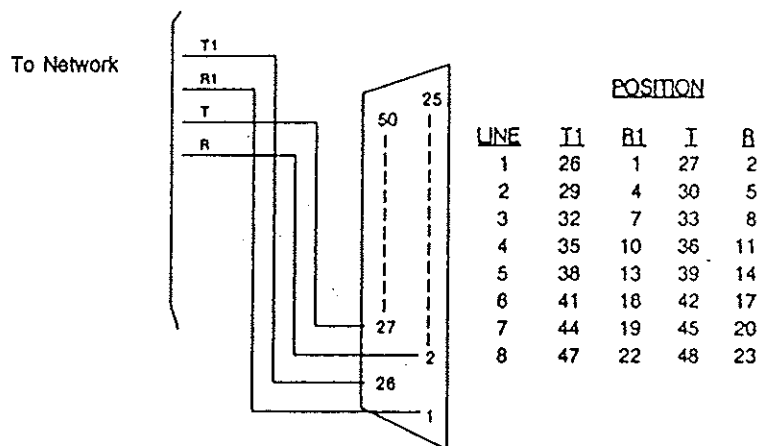
**Electrical Network Connection:** Eight 4-wire circuits; T/R and T1/R1

**Universal Service Order Code:** RJ48M

**Mechanical Arrangement:** Miniature 50-position ribbon jack

**Typical Usage:** Connecting to eight 1.544 Mbps digital lines

**Wiring Diagram:** T/R — Customer transmit to network  
T1/R1 — Customer receive from network  
The telephone company will wire lines to the connector in the sequence designated by the customer.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ48S

### T/R: T1 R1; 8-Position Keyed Jack

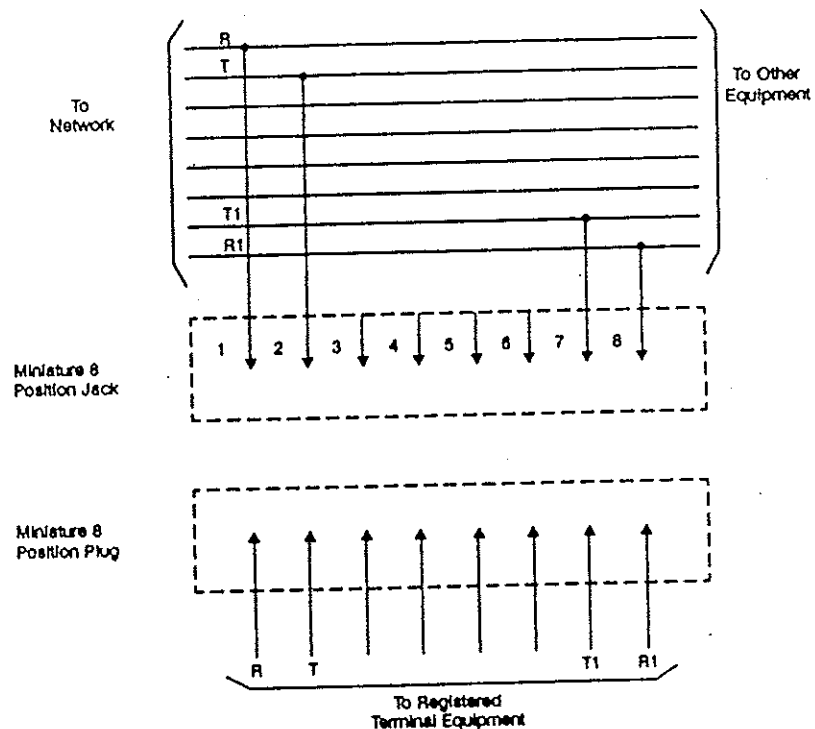
**Electrical Network Connection:** One- or two-line T/R or T/R, T1 R1

**Universal Service Order Code:** RJ48S

**Mechanical Arrangement:** Miniature 8-position keyed jack

**Typical Usage:** Local-area data channels/subrate digital services

**Wiring Diagram:** T/R — Customer transmit to network  
T1/R1 — Customer receive from network



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ48T

### T/R: T1/R1; 50-Position Jack

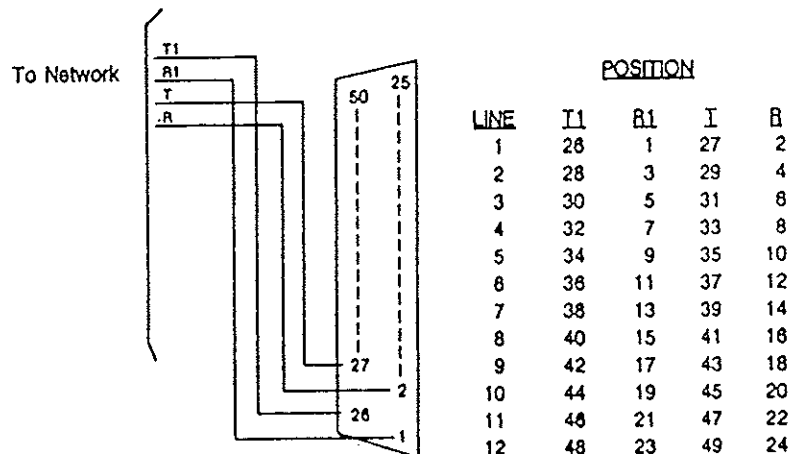
**Electrical Network Connection:** 25 T/R or 12 T/R, T1 R1

**Universal Service Order Code:** RJ48T

**Mechanical Arrangement:** Miniature 50-position ribbon jack

**Typical Usage:** Local-area data channels or subrate digital services

**Wiring Diagram:** T/R — Customer transmit to network  
T1/R1 — Customer receive from network  
The telephone company will wire lines to the connector in the customer's designated sequence.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ48X

### T/R and T1/R1; 8-Position Jack with Shorting Bars

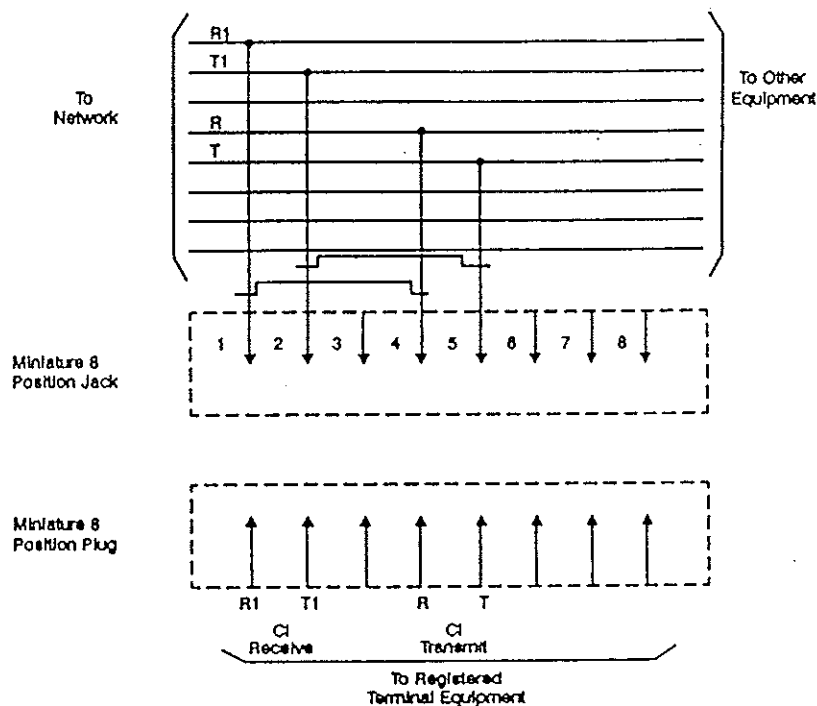
**Electrical Network Connection:** T/R and T1/R1

**Universal Service Order Code:** RJ48X

**Mechanical Arrangement:** Miniature 8-position modular jack with shorting bars

**Typical Usage:** Connecting to 1.544 Mbps digital lines

**Wiring Diagram:** Short removed upon insertion of plug  
T/R — Customer transmit to network  
T1/R1 — Customer receive from network



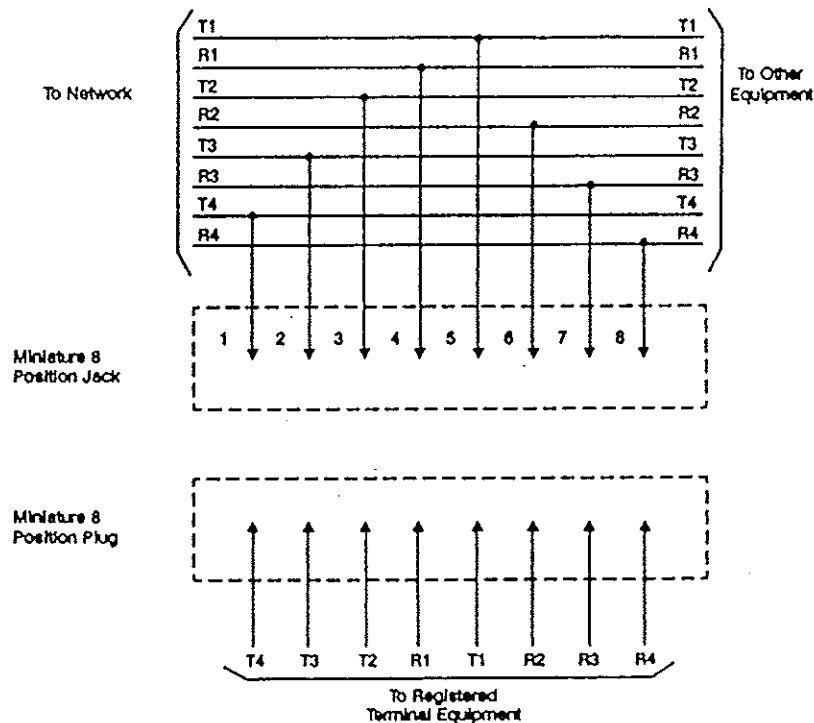
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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ61X

### Bridged T/R for up to 4 Lines; 8-Position Jack

<b>Electrical Network Connection:</b>	Up to 4 lines bridge T/R
<b>Universal Service Order Code:</b>	RJ61X
<b>Mechanical Arrangement:</b>	Miniature 8-position jack with shorting bars
<b>Typical Usage:</b>	Four-line non-key telephone sets, ancillary devices and key telephone systems
<b>Wiring Diagram:</b>	The telephone company will wire the lines in the customer-designated sequence.



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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ71C

### Series Multiple T/R; 50-Position Ribbon Jack

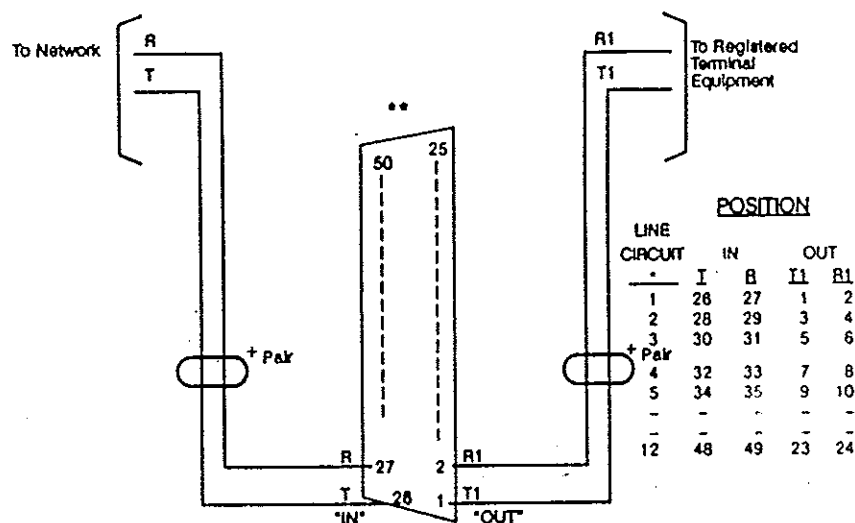
**Electrical Network Connection:** Multiple-line series T/R

**Universal Service Order Code:** RJ71C

**Mechanical Arrangement:** Miniature 50-position ribbon jack

**Typical Usage:** Series devices such as toll restrictors, connected to multiple lines

**Wiring Diagram:** When the jack is ordered, the customer must specify the sequence in which the lines are to be connected to the jack.



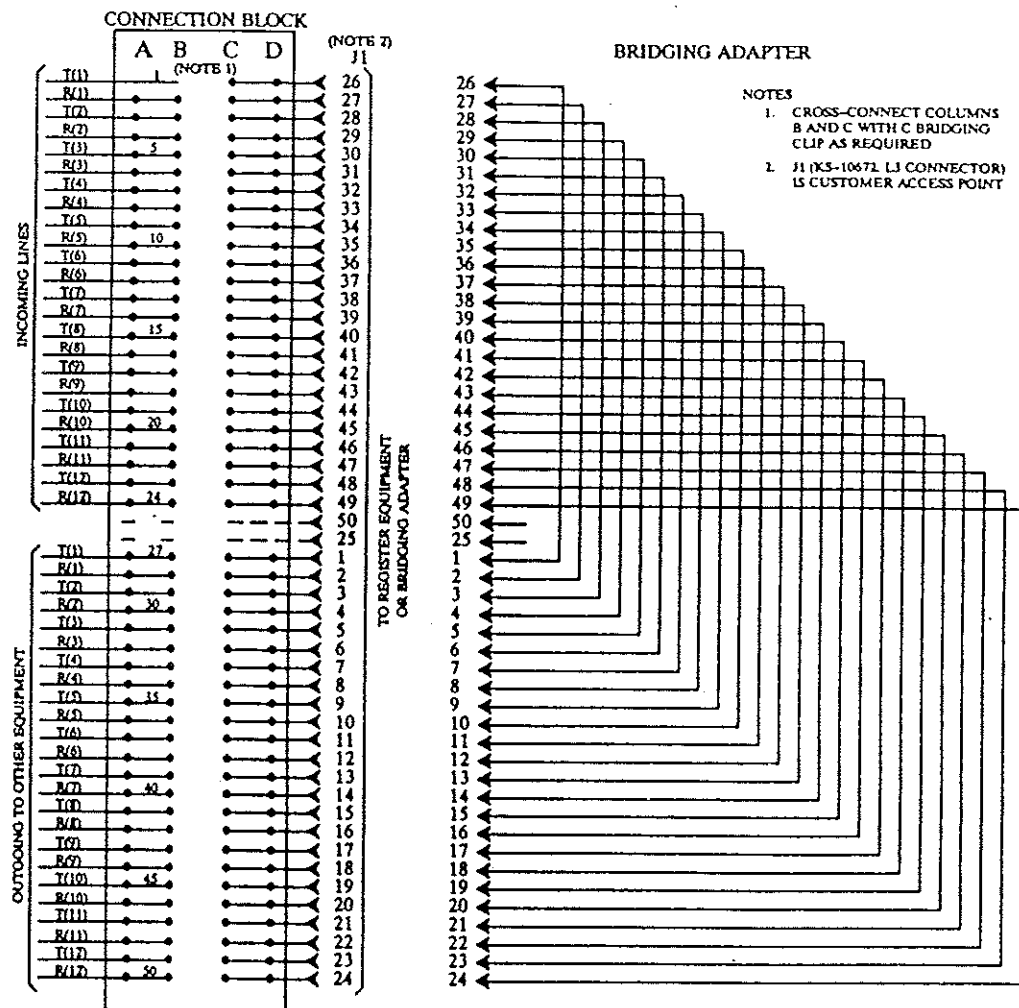
\*\* A manual bridging plug is also provided but not shown here. The bridging plug is inserted by the customer when the registered series equipment is removed. Please note that an automatic re-storing arrangement is under development and will eliminate the need for the bridging plug.

\* This cable is not terminated in the conventional manner. (i.e. pair on 26/1, etc) pair one "IN" is 26 & 27 and pair one "OUT" is 1 & 2.

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## Exhibits of Standard Network Interface Jacks, continued

### Exhibit: RJ71C



Wiring of 7008-66-B1-12 Jack

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