

Wrenchman, Inc.

1801 Old Hwy. # 8 · Suite # 122 · New Brighton, Minnesota 55112 · (651) 638 - 9012

468X Coin Dispenser Interface Cable Specifications

The 468X Coin Dispenser Interface Cable connects an IBM 468X terminal to a Telequip Transact coin dispenser. The Interface Cable emulates the interface supported by the IBM Feature C or D cards, socket 29. The Coin dispenser cable may be connected to port 9A, 9B or 4B.

Feature C or D Card	Socket No.	Device Address	Switch No. 1
Position 2A	Socket 29	60	ON
Position 2B	Socket 29	61	OFF

Positioning a switch lever towards the arrow indicator on the SIP package puts the switch in the ON position.

The Coin Interface Cable is configured as a 9 pin DTE Port (Male 9 pin connector)
Supports full RS-232 Control Lines: DSR, DTR, RTS, CTS and CD.

DB9 Male Connector Pin Assignments:

<u>Pin No.</u>	<u>Function</u>	<u>Data Direction</u>
1	CD	Not Used.
2	RXD	Input to Interface Cable.
3	TXD	Output from Interface Cable.
4	DTR	Not Used. Connected to DSR
5	GND	
6	DSR	Not Used. Connected to DTR
7	RTS	Not Used. Connected to CTS
8	CTS	Not Used. Connected to RTS
9	RI	No Connect.

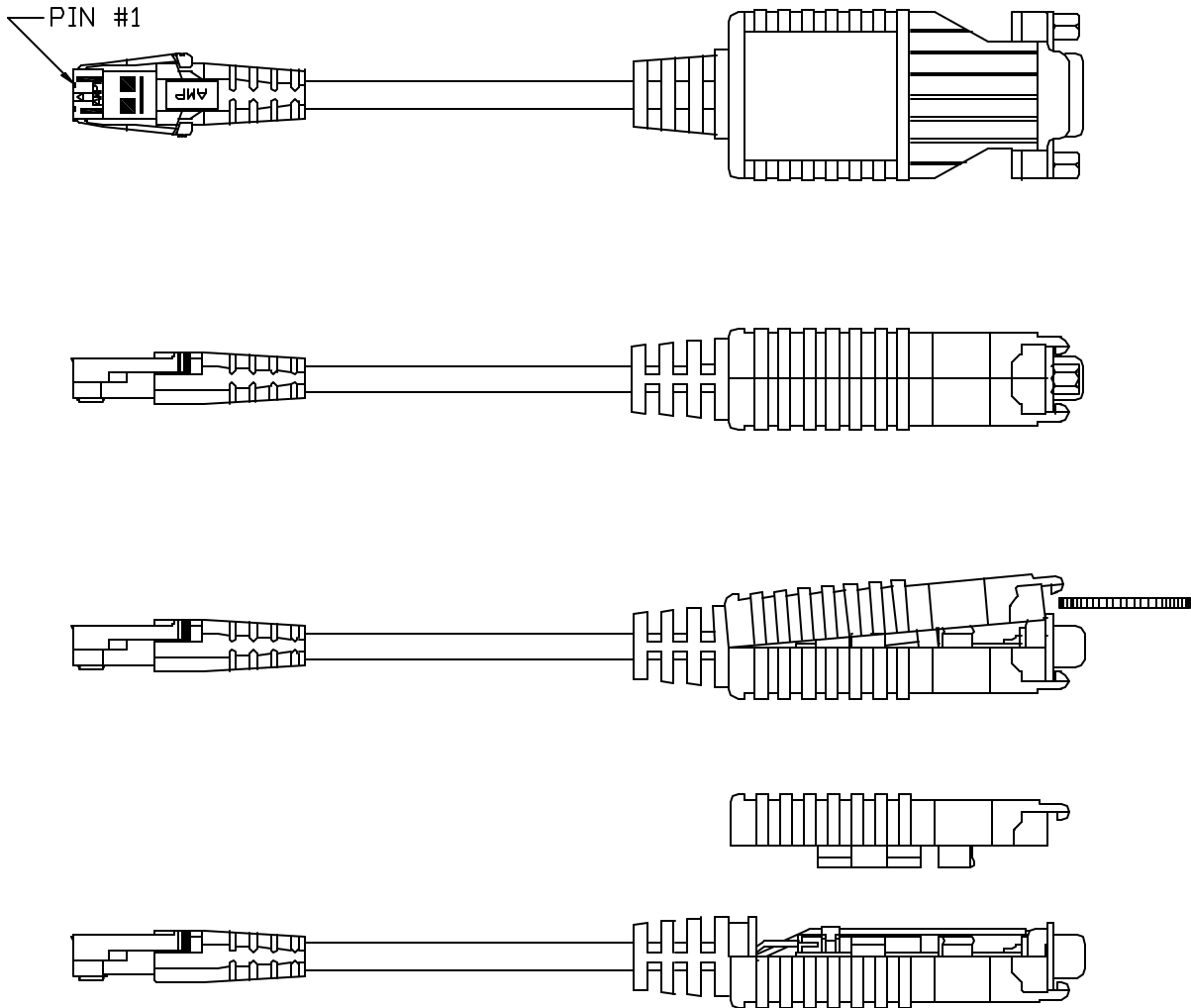
Supports:

Word Size:	7 bits
Parity:	Even
Stop Bits:	1 Stop bit
Standard Data Rate:	9600 Baud

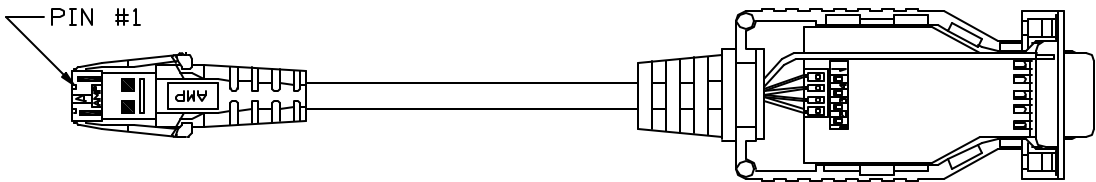
Conforms to IBM Device Attachment specifications.

Compliant with IBM RS-232 Diagnostic Test 291.

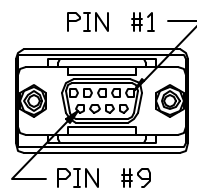
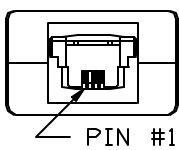
CONNECTOR
TOP VIEW



CONNECTOR
TOP VIEW



CONNECTOR MATING FACE VIEWS



468X Coin Dispenser Interface Cable Address Configuration

Internal to the Interface Cable is a SIP component containing 4 switches, enabling port number address selection.

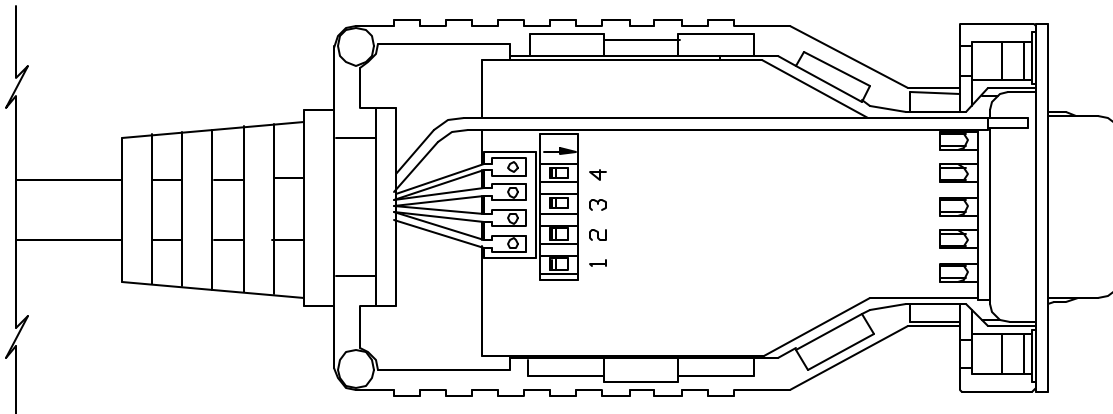
Configure the Interface Cable for the appropriate address:

Place a quarter or large blade screw driver between the DB9 connector and backshell top. Rotate counterclockwise, releasing the backshell top front right side. Grasp with your hand and continue to lift the backshell top straight up and remove. See figure.

The device address switches are located on the printed circuit board in front of the 4 wire cable connector. Move only switch #1 in the appropriate direction to select and configure the desired port address. See table below for Switch No. 1 Position and corresponding Terminal Position, Socket No. and Device Address. Only switch #1 may be positioned in the direction of the arrow. The other switches must be in the OFF position for the Interface Cable to function properly.

Feature C or D Card	Socket No.	Device Address	Switch No. 1
Position 2A	Socket 29	60	ON
Position 2B	Socket 29	61	OFF

Place the rear of the top backshell over the cable strain relief and push, snapping the halves together, fastening the backshell case.



Set the 4683 Terminal Characteristics for the direct attached 4683, Coin Dispenser Interface Cable.

Device Attachment Test

The following Test 291 procedure is excerpted from an IBM 4680 Store System Guide. Enter test mode by keying S1, 9, 1, S2. The display should show "T0010 ENTER TEST REQUEST". At this point key in 2, 9, 1, S2. Enter the dollar value of coins to dispense and key S2. The corresponding amount of coins should be dispensed. To exit the test, key 0, S2. To return to normal operation and exit test mode, key in 9, 9, S2.

Setup

The 468X Coin Dispenser Interface Cable appears to the Operating System as an IBM Feature Expansion C or D card, supporting socket J29. The Interface Cable device address should be chosen so as not to conflict with existing devices and may be selected as addresses 60 or 61.

The position of a virtual feature card in the terminal configuration screen determines the device address, into which a coin dispenser would attach to socket J29. Configure the 468X Coin Dispenser Interface Cable to support the chosen device address by selecting the corresponding switch #1 position. Refer to the table below and the Configuration Section for access to the internal SIP device address switch.

Feature C or D Card	Socket No.	Device Address	Switch No. 1
Position 2A	Socket 29	60	ON
Position 2B	Socket 29	61	OFF

Telequip Transact RS-232 Switch Settings

The switches are found on the printed circuit board internal to the coin dispenser. They may be accessed by removing the four nuts located on the bottom of the unit. The Telequip Transact RS-232 interface is configured as a 9 pin DCE port (Female 9 pin connector).

Baud Rates	Switch 1	Switch 2	Switch 3	Switch 4
1200	OFF	ON	ON	ON
2400	OFF	ON	ON	OFF
4800	OFF	ON	OFF	ON
9600	OFF	ON	OFF	OFF