

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§1.0 INTRODUCTION

The SPD-100/101 interface card is designed to function as a combination of Serial, Parallel, AT-Bus Embedded Hard Disk, Floppy and Game (option) interface which runs in IBM PC/AT or compatible system.

The SPD-100/101 card uses the most advanced Surface Mount Technology (SMT) to manufacture the most reliable and high quality product.

§2.0 FEATURES

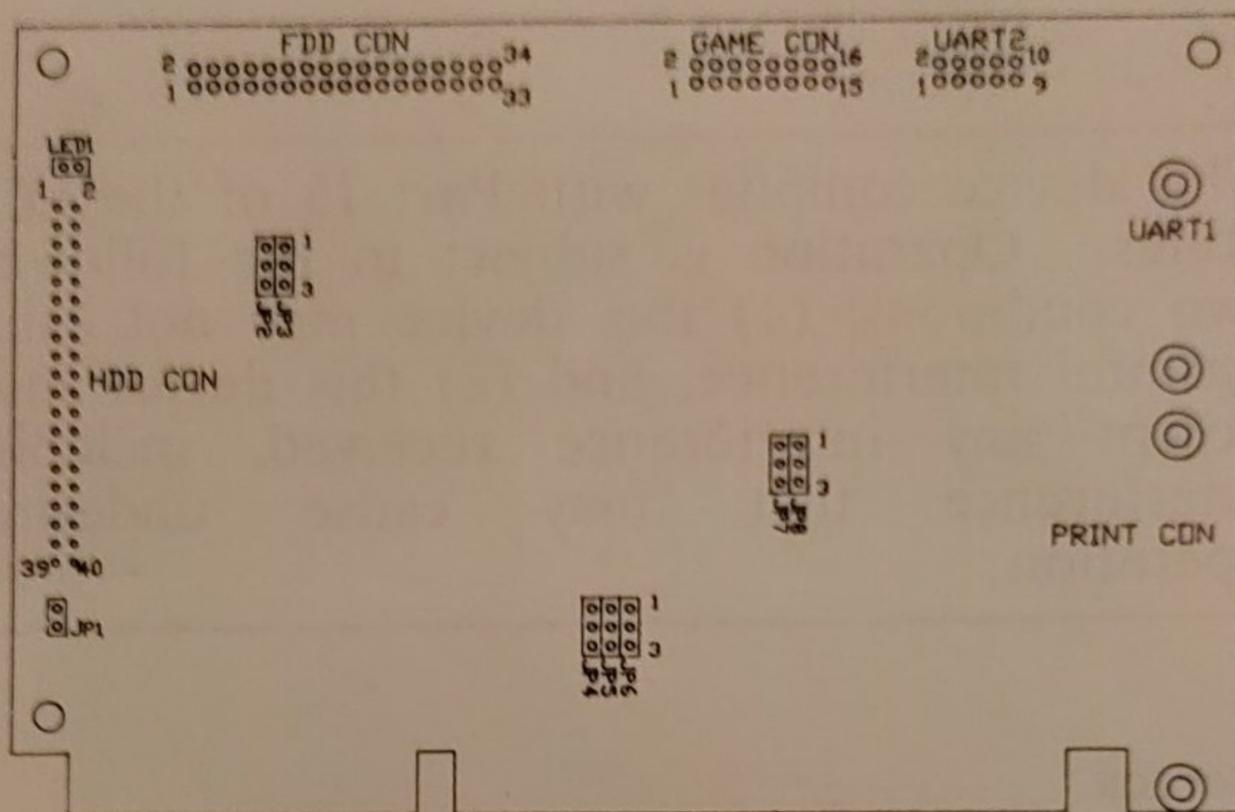
- o Supports two IBM standard serial ports (COM1 & COM2), which can be Disable/Enable independently.
- o Supports one IBM standard parallel (printer) port, which can be configured as LPT1 or LPT2 or LPT3 or disable.
- o Supports AT-Bus Embedded Hard Disk drive interface.
- o Supports two Floppy Disk drives which can be any combination of 360KB (5.25"), 1.2MB (5.25"), 720KB (3.5"), 1.44MB (3.5") Floppy Disk drives.
- o Supports Game port interface (option).

RELEASE 1. 01

OCT. 9. 1990

§3.0 BOARD LAYOUT AND JUMPER SETTINGS

§3.1.1 SPD-100/101 BOARD LAYOUT



§3.1.2 JUMPER AND SETTINGS

JP1	Description
Shorted	Enable AT-Bus Embedded Hard disk interface.
Open	Disable AT-Bus Embedded Hard disk interface.

JP3	Description
Shorted	Enable Floppy disk drive.
Open	Disable Floppy disk drive.

Jumpers			Description	
JP6	JP5	JP4	Define UART1 as:	Define UART2 as:
1-2 Shorted	1-2 Shorted	1-2 Shorted	COM1 (3F8 Hex)	COM2 (2F8 Hex)
2-3 Shorted	1-2 Shorted	1-2 Shorted	COM1 (3F8 Hex)	Disabled
1-2 Shorted	2-3 Shorted	1-2 Shorted	COM2 (2F8 Hex)	COM1 (3F8 Hex)
1-2 Shorted	2-3 Shorted	2-3 Shorted	Disabled	COM1 (3F8 Hex)
1-2 Shorted	1-2 Shorted	2-3 Shorted	Disabled	COM2 (2F8 Hex)
2-3 Shorted	2-3 Shorted	1-2 Shorted	COM2 (2F8 Hex)	Disabled
2-3 Shorted	*Don't care	2-3 Shorted	Disabled	Disabled

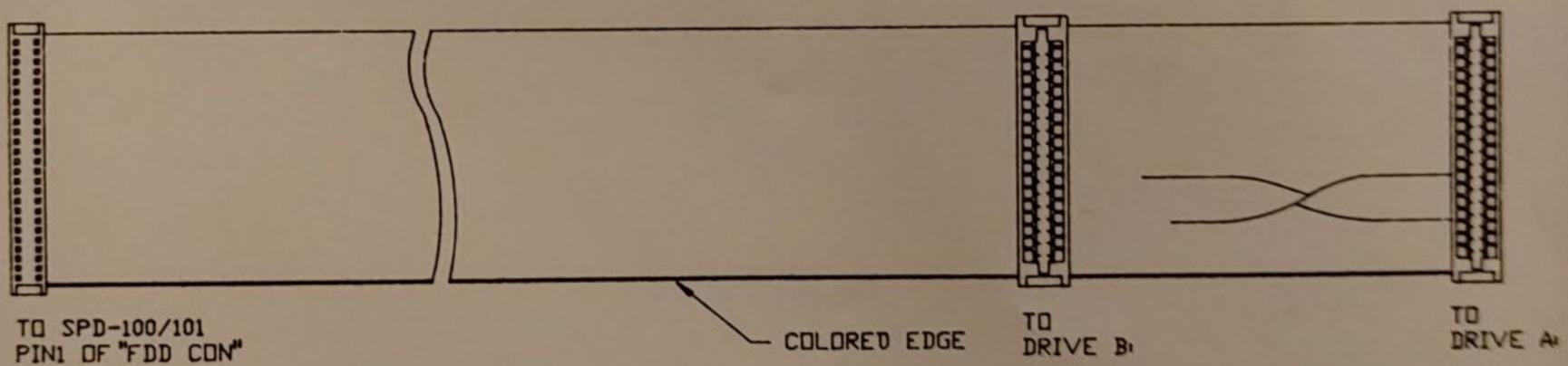
Parallel Jumpers		Description
JP8	JP7	
1-2 Shorted	1-2 Shorted	LPT2 (378 Hex)
1-2 Shorted	2-3 Shorted	LPT1 (3BC Hex)
2-3 Shorted	1-2 Shorted	LPT3 (278 Hex)
2-3 Shorted	2-3 Shorted	Disabled

§4.0 INSTALLATION

§4.1.1 Floppy drive

Floppy cable is a 34-pin cable wire :

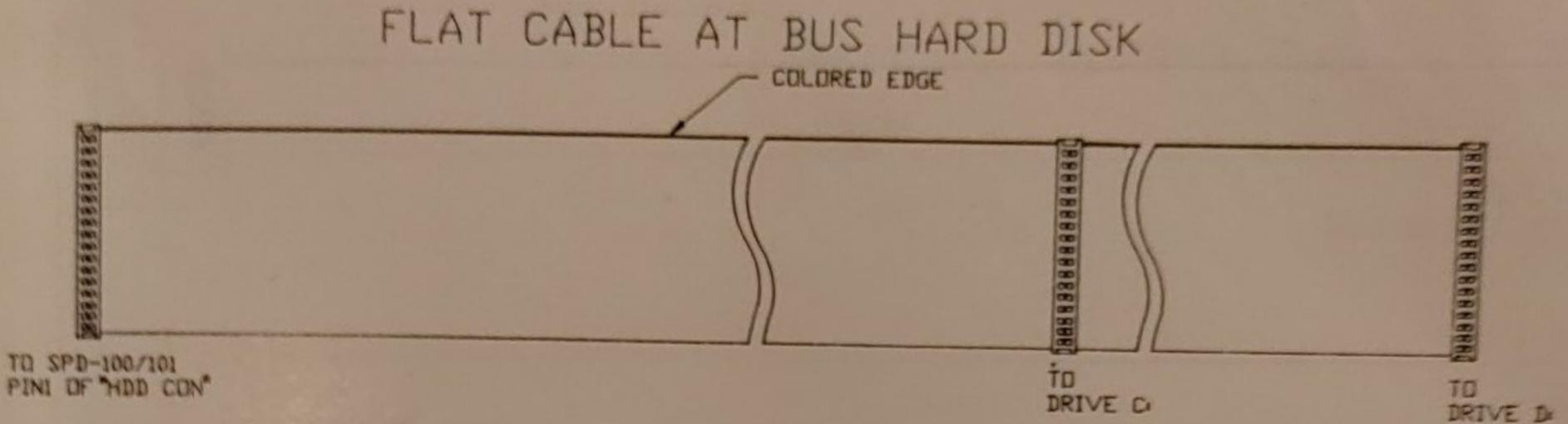
FLAT CABLE FLOPPY DISK



Be sure the colored edge of this Floppy cable must be aligned to pin 1, 2 of SPD-100/101's "FDD CON". Also the far end of this 34-pin edge connector must be aligned to pin 1 of the Floppy drive connector.

§4.1.2 AT-BUS EMBEDDED HARD DISK DRIVE

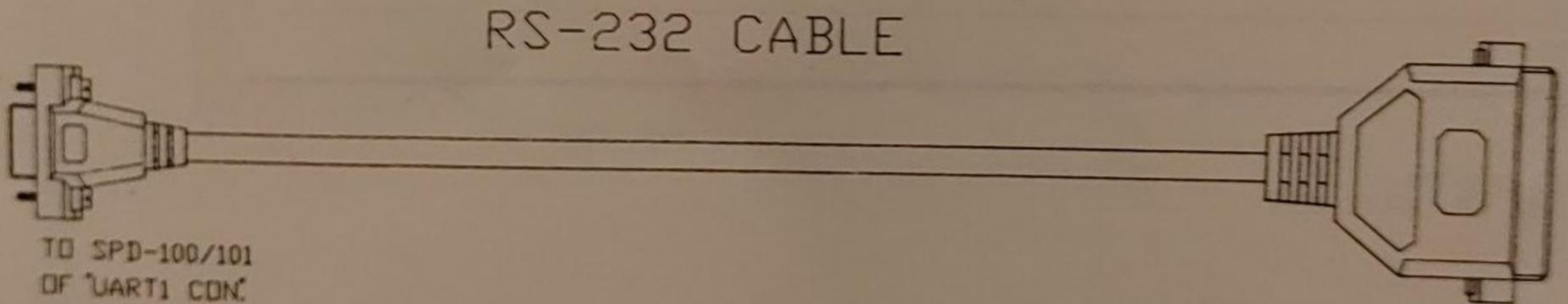
Hard disk drive cable is a 40-pin cable wire:



Be sure the colored edge of this Hard Disk cable must be aligned to pin 1, 2 of SPD-100/101's "HDD CON". Also the far end of this 40-pin edge connector must be aligned to pin 1 of the Hard Disk drive connector.

§4.1.3 UART1

UART1 cable is a 9-pin D-Sub connector to 25D-Sub female connector.



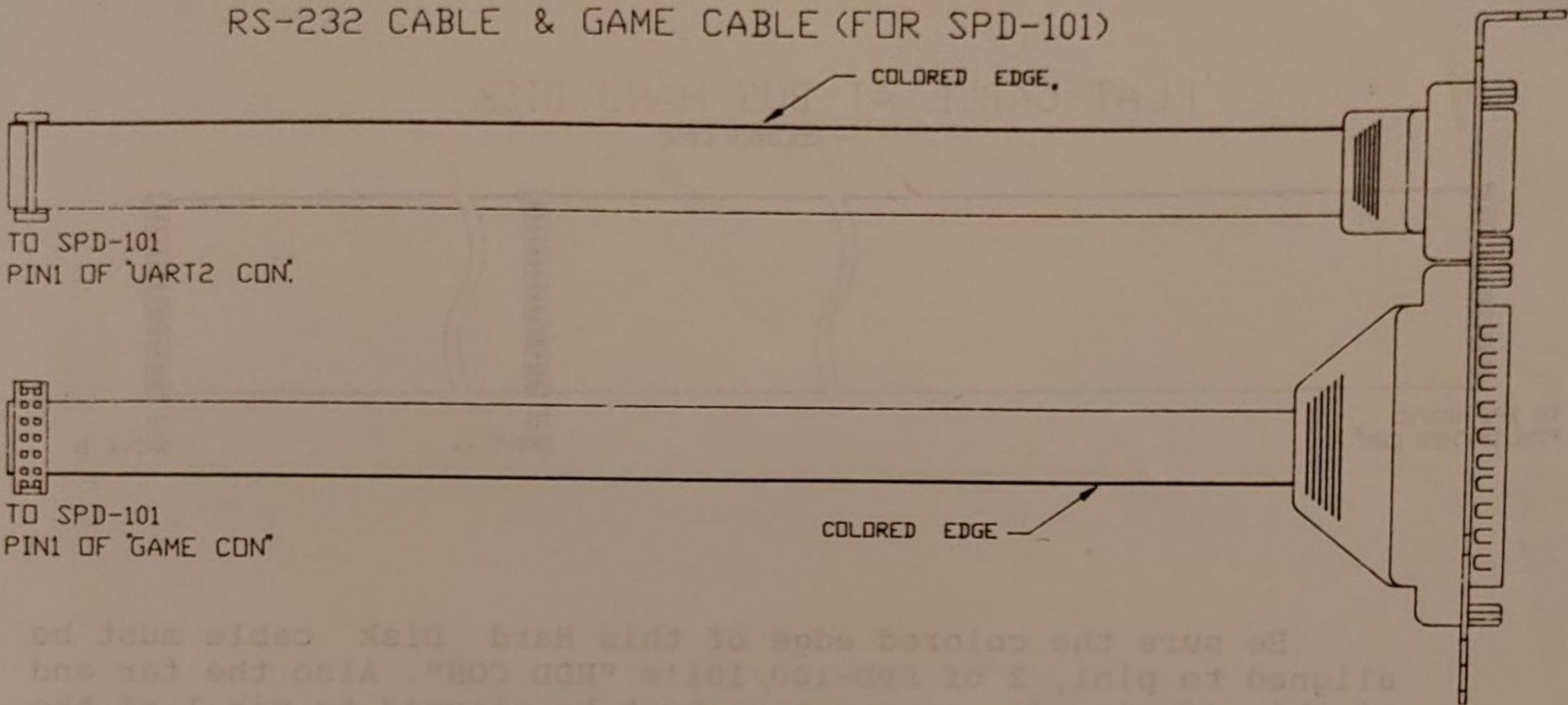
Note:

This cable is option , not a standard accessory .

§4.1.4 UART2 & GAME PORT

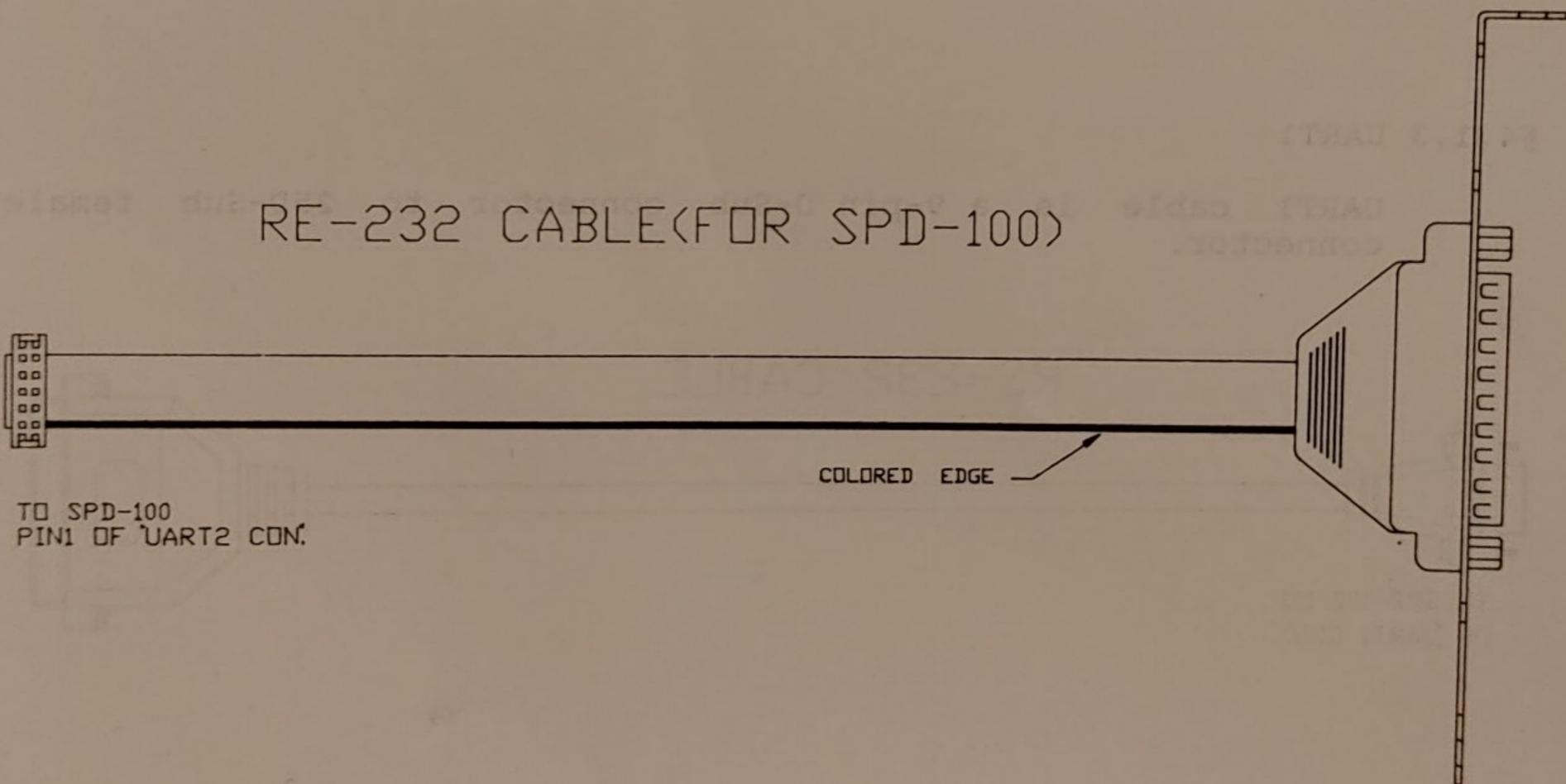
UART2 & Game port cable wire :

RS-232 CABLE & GAME CABLE (FOR SPD-101)



Be sure the colored edge of this Hard Disk cable must be aligned to pin 1, 2 of SPD-100/101's "UART2". Also the colored edge of this 40-pin edge connector must be aligned to pin 1 of the Hard Disk drive connector.

RE-232 CABLE (FOR SPD-100)



Be sure the colored edge of this cable wire must be aligned to pin1, 2 of SPD-100/101's "UART2". Also the colored edge of Game port must be aligned to SPD-100/101's "GAME CON".

§5.0 I/O PORT ADDRESS

Serial port : COM1 as 3F8 HEX
COM2 as 2F8 HEX

Parallel port : LPT1 as 3BC HEX
LPT2 as 378 HEX
LPT3 as 278 HEX

Floppy port address : 3F2 HEX

Hard Disk port address : 1F0 HEX

Game port : 201 HEX