iSBC-220 DISK CONTROLLER INSTALLATION

Intel Corporation, 3065 Bowers Avenue, Santa Clara, California 95051

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REV.	REVISION HISTORY	DATE
-001	Original Release per ECO #54698.	5/3/83
-002	Changes to Switch and Jumper Configuration Tables per ECO #55028.	9/1/83

iSBC-220 DISK CONTROLLER INSTALLATION

The following instructions provide information on the installation of the iSBC-220 Winchester controller board used in the NRM and iTPS systems. The iSBC-220 board is used to interface with the 84 MB disk drives. The Configured Board Assembly part number for the iSBC-220 board is 125645-003. Additionally, a board ejector assembly comes with the kit.

Installation

To install the iSBC-220 Winchester controller board perform the following procedures:

1. Unpack the iSBC-220 board and check for any visual signs of damage. Try to eliminate any static electricity before handling the PC board to minimize the possibility of damaging ICs.
2. Verify the proper jumper configuration and switch settings on the board as shown in Figure 1.
3. Remove the main chassis lower front panel.
4. Place the board ejector assembly on either side of controller board and insert into slot 9 (from left) of the card cage and seat into motherboard connectors by pushing firmly on board. The board extractor tabs may have to be removed from the front corners of the board (if present) before installing.
5. Connect the following cables to the front of the controller board:

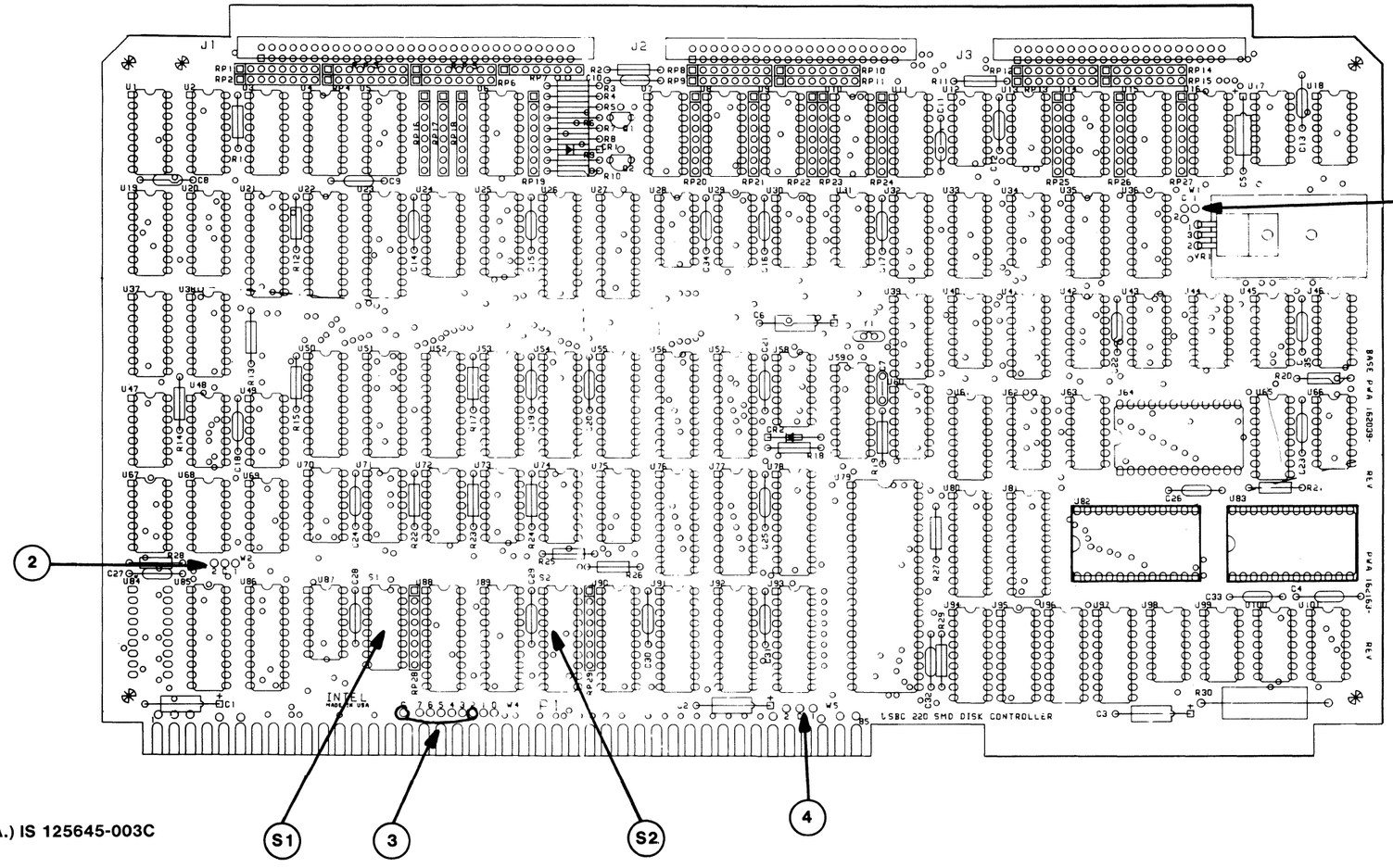
Cables & Part No.	Connector
Controller to Disk Drive Cable Part # 125594-001	J1 (top of board)
Controller to Disk Drive Cable Part # 125595-001	J2 (middle) Drives 0 & 1 J3 (bottom) Drives 2 & 3

6. Replace main chassis lower front panel and perform Winchester supplemental diagnostics (refer to appropriate 2.0 Field Service Manual).

Switch S1			
S1-1	Off	S1-5	Off
S1-2	Off	S1-6	Off
S1-3	On	S1-7	On
S1-4	Off	S1-8	Off

Switch S2			
S2-1	On	S2-6	Off
S2-2	On	S2-7	Off
S2-3	Off	S2-8	On
S2-4	On	S2-9	Off
S2-5	On	S2-10	Off

Jumper Connection	Location
W1-C - W1-2	1
W2-C - W2-1	2
W4-C - W4-2	3
W5-C - W5-1	4
U85-12 - U85-4	Solder Side



1. CONFIGURED BOARD ASSEMBLY (C.B.A.) IS 125645-003C

Figure 1. iSBC-220 Jumper Configuration

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Peripherals

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January 21, 1981

Dear Customer:

The iSBC 220™ SMD Disk Controller enclosed does not have a jumper selectable option for Common Bus Request (CBRQ/).

Since most Multibus™ systems do not require Common Bus Request we have shipped this board with Multibus CBRQ/ (PIN #12 of IC #U85) tied to system ground.

If your Multibus system uses common bus request then carefully and completely remove the wire attached to IC #U85 PIN #12.

Additional questions concerning this subject should be directed to your local Intel office.

Bruce Olenchuk
Product Manager
OEM Microcomputer Systems