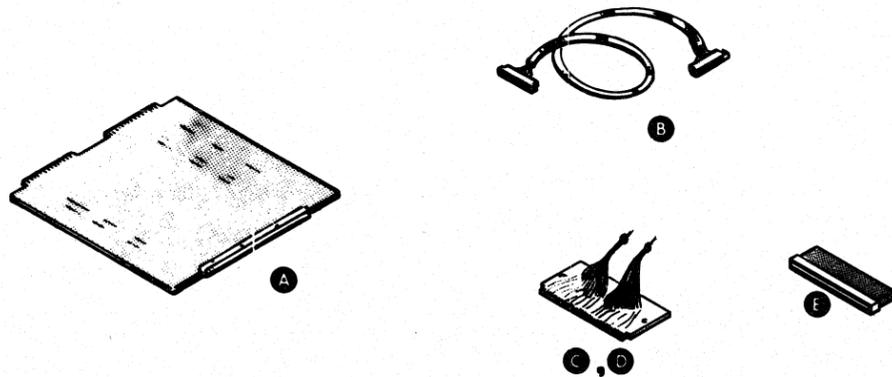


SUBSYSTEM COMPONENT BREAKDOWN



MAJOR COMPONENT

Item	Component	Mounting Location	Notes
A	MCA 4206	COMPUTER CHASSIS	

DG-02672

CABLE

Item	Cable	Connecting	Max Allowed Length		Notes
			ft	m	
B	EXT COMM BUS 1106F	IN PORT CONNECTOR " OUT PORT CONNECTOR	140	42.7	
C	IN PORT INTERNAL	MCA " IN PORT CONNECTOR	2	.6	SHOWN FOR PADDLE BOARD TYPE COMPUTER
D	OUT PORT INTERNAL	MCA " OUT PORT CONNECTOR	2	.6	

DG-02673

TERMINATOR

Item	Terminator	Location	Notes
E	COMMUNICATIONS BUS TERMINATOR	IN PORT OR OUT PORT CONNECTOR	

DG-02674

CONFIGURATION RULES

- In normal mode, up to 15 DGC NOVA and/or ECLIPSE computers may be interconnected with one 4206 adapter for each computer.
- In fast mode, up to four DGC NOVA and/or ECLIPSE computers may be interconnected with one 4206 adapter for each computer.
- The MCA board requires one slot per computer.
- The distance between MCAs is 10 feet maximum. Computer types at each end of the cable must be designated.
- The distance between a non-operating "left most" CPU and a functioning CPU is 20 feet, maximum.
- The maximum total MCA-bus length is 140 feet for normal mode operation.
- The maximum total MCA-bus length is 40 feet for fast mode operation.
- 4038 and 4206 MCAs cannot be intermixed on the same MCA bus.
- MCA 4206 is a data channel device.
- MCAs other than the "left most" and "right most" in a configuration must have their pull-out terminators removed.

SPECIFICATIONS OF THE CHASSIS-MOUNTED COMPONENTS

Item	Component	Chassis	Slots Required	Max Allowable Data Channel Latency (μ sec)	Type of Data Channel Service Desired	Max Allowable Programmed I/O Latency *	Controller's +5 Volt Current Draw (Amps)
A	MCA	COMPUTER	1	∞	High Speed, Standard	∞	3.5

DG-01912

FOR PACKING PROCEDURE,
SEE 010-000262

013-000840
BRUNING 40-526 2712E

REV 00 01 02 ECO 5312 6054 11214 APP - [Signature] DATE 11/5/73 3:30-7:24/81	DRAWN [Signature] CHECKED [Signature] ENGINEER [Signature]	APPROVED [Signature] FIRST USED ON CODE IDENT 34984	TITLE MULTIPROCESSOR COMMUNICATIONS ADAPTER SERIES 4206	DATA GENERAL CORPORATION SOUTHBORO, MASSACHUSETTS 01772 SIZE CODE C 00 DRAWING NUMBER 000102 REV 02
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EXTERNAL CABLING

Model Number	Description
4206	Multiprocessor communications adapter board with appropriate internal cables (specify CPU). One per CPU. (Note that there is no 4206A; all 4206 MCAs have terminators.)
	External cable for MCA. The MCA cable(s) ordered depend on the MCA configuration as indicated below:

- | | |
|---|--|
| <div style="display: flex; align-items: center;"> { <ul style="list-style-type: none"> 1106AA 1106AB 1106BB NOVA SNOVA 1200/17 800/7 1200/17 800/17 840/17 830/17 </div> | <div style="display: flex; align-items: center;"> { <ul style="list-style-type: none"> 1220/10 820/10 N2/10 1210/4 N2/4 N3/12 N3/4 S100 S200 S230 C300 C330 </div> |
|---|--|

A 1106AA is used to interconnect computers in Category A.
 A 1106BB is used to interconnect computers in Category B.
 A 1106AB is used to interconnect a computer in Category A to a computer in Category B.

The MCA bus is time-division multiplexed among MCAs. The priority on the bus proceeds from the leftmost CPU to the rightmost CPU along the MCA bus. If, for example, (Figure 2) MCA #1 has the bus, MCA #3 has next priority. However, assuming MCA #3 does not need the bus and MCA #4 does, MCA #4 will get the bus. MCA #3 will not have an opportunity to get the MCA bus again until MCA #2 and MCA #1 have had opportunity to get the bus.

A further description of the theory of operation of the MCA 4206 can be found in technical reference manual 014-000072.

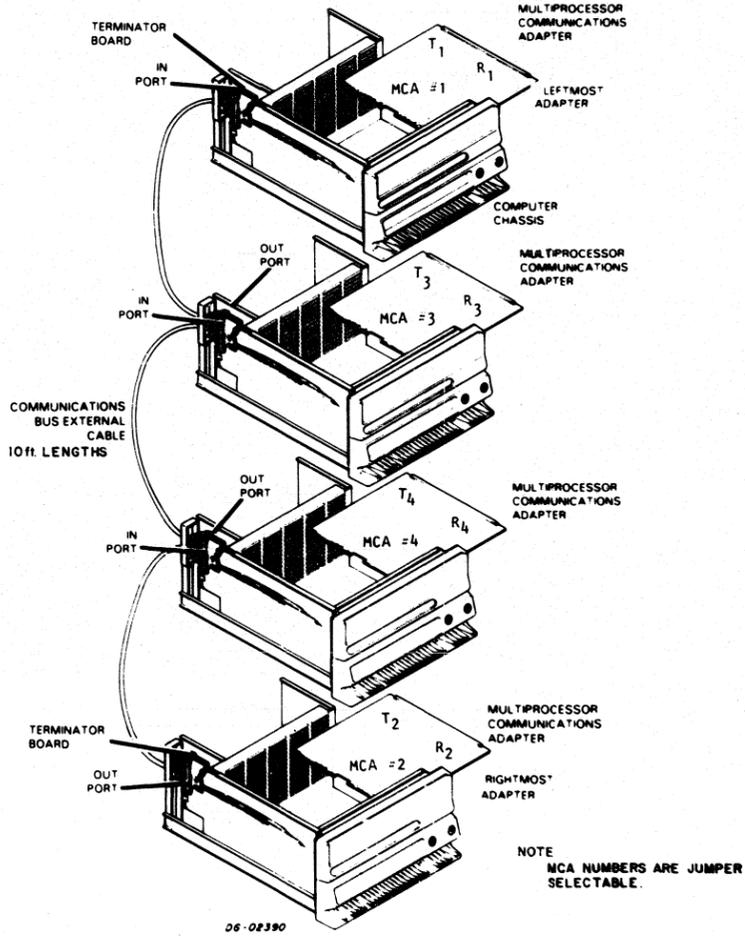


FIGURE - 2

013-000840 BRUNING 40-526 27928	THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DATA GENERAL CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.	REV ECO APP DATE	DRAWN CHECKED ENGINEER	APPROVED FIRST USED ON CODE IDENT 34984	TITLE MULTIPROCESSOR COMMUNICATIONS ADAPTER SERIES 4206	DATA GENERAL CORPORATION SOUTHBORO, MASSACHUSETTS 01772	SIZE C 00	DRAWING NUMBER 000102	REV 02