



MOTOROLA

Microprocessor and Memory
Technologies Group

Order this document
by MC68322UMAD/AD

MC68322

Addendum to MC68322 Integrated Printer Processor User's Manual

July 1, 1994

The following replaces 12.7 BitBLT and Scanline Order Execution on page 12-15.


Tables 12-3 lists the bitBLT and scanline transfer timings based upon an MC68322 system running at 20 MHz with DRAM running at 3.2, 1.2 bus cycles.

Table 12-3. BitBLT and Scanline Execution Times

Operands/Orders	Time (μ s)
BitBLT Execution Time (32 \times 32)	
D = f(S)	30.75
D = f(S,D)	30.75
D = f(H,D)	31.05
D = f(S,H,D)	40.65
D = f() Solid fill	21.00
BitBLT Execution Time (30 \times 50)	
D = f(S)	48.90
D = f(S,D)	48.90
D = f(H,D)	47.10
D = f(S,H,D)	63.30
D = f() Solid fill	31.65
BitBLT Execution Time (100 \times 100)	
D = f(S)	139.05
D = f(S,D)	156.30
D = f(H,D)	148.05
D = f(S,H,D)	189.45
D = f() Solid fill	93.50
Scanline Execution Time (30 \times 50)	
D = f(SL,D)	70.05
D = f(SL,H,D)	195.90

This document contains information on a product under development. Motorola reserves the right to change or discontinue this product without notice.

SEMICONDUCTOR PRODUCT INFORMATION

Motorola reserves the right to make changes without further notice to any products herein. Motorola makes no warranty, representation or guarantee regarding the suitability of its products for any particular purpose, nor does Motorola assume any liability arising out of the application or use of any product or circuit, and specifically disclaims any and all liability, including without limitation consequential or incidental damages. "Typical" parameters can and do vary in different applications. All operating parameters, including "Typicals" must be validated for each customer application by customer's technical experts. Motorola does not convey any license under its patent rights nor the rights of others. Motorola products are not designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the Motorola product could create a situation where personal injury or death may occur. Should Buyer purchase or use Motorola products for any such unintended or unauthorized application, Buyer shall indemnify and hold Motorola and its officers, employees, subsidiaries, affiliates, and distributors harmless against all claims, costs, damages, and expenses, and reasonable attorney fees arising out of, directly or indirectly, any claim of personal injury or death associated with such unintended or unauthorized use, even if such claim alleges that Motorola was negligent regarding the design or manufacture of the part. Motorola and  are registered trademarks of Motorola, Inc. Motorola, Inc. is an Equal Opportunity/Affirmative Action Employer

Literature Distribution Centers:

USA: Motorola Literature Distribution; P.O. Box 20912, Arizona 85036.

EUROPE: Motorola Ltd.; European Literature Centre; 88 Tanners Drive, Blakelands, Milton Keynes, MK14 5BP, England.

JAPAN: Nippon Motorola Ltd.; 4-32-1, Nishi-Gotanda, Shinagawa-ku, Tokyo 141 Japan.

ASIA-PACIFIC: Motorola Semiconductors H.K. Ltd.; Silicon Harbour Center, No. 2 Dai King Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong.

SEMICONDUCTOR PRODUCT INFORMATION

MC68322UMAD/AD

