

APPENDIX
COMPARATIVE PRICING
and
COST/PERFORMANCE MATRICES

MPS10 APPLICATIONS

Problem #1

Four-axis stepping motor control for commercial sewing machine button hole applications.

Solution

PDP-8/M (PROM)

1 PDP-8 (PROM/2K)
2 M1705
1 M1703
1 KL8

Programmable Module

1 PM CPU
1 ROM Module (inc. 2 1702A chips)
1 RAM Module (1K)
1 M1502
1 G720
1 M783
1 M7328
2 Mounting hardware
1 Power supply

Net
Price

\$2,581

\$1,333

MPS10 APPLICATIONS

Problem #2

Controller to implement the sequential placement of components on tape to be used in an automatic component insertion machine.

	<u>PDP-8/M</u>		<u>RTM</u>	<u>PM</u>
	(CORE)	(PROM)		
CPU	\$2,342	\$1,700	\$ 689	\$ 331
Memory	Yes (4K)	Yes (4K)	325 (256)	417 (1.5K)
Interface				
Common	394	394	394	394
Unique	292	292	298	312
Total	686	686	692	706
Mounting				
Hardware	Yes	Yes	156	115
Power Supply	Yes	Yes	421	234
Box	<u>Yes</u>	<u>Yes</u>	<u>160</u>	<u>160</u>
	\$3,028	\$2,386	\$2,443	\$1,943

PERSPECTIVE ON PROBLEM 2

I

	<u>PROM 8</u>	<u>RTM</u>	<u>PM</u>
System Cost	\$2386	\$2257	\$1943
TTY	192	+112	YES
Memory			
768 ROM	YES	+102	+39
256 RAM	YES	- 64	-182 (effective)
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TOTAL	\$2578	\$2407	\$1800

II

	<u>PROM 8</u>	<u>RTM</u>	<u>PM</u>
Performance/Price	1.00	1.07	1.45
Price/Performance	1.00	0.93	0.69

(PROM 8 taken at value 1.00)

