CGRS MICROTECH

P.O. Box 368 SOUTHAMPTOM, PA. 18966 (215) 757-0284

NEW RELEASE

A LOT OF I/O - A SINGLE I/O CARD FOR THE S100 BUS CONTAINS:
4 PROGRAMMABLE PARALLEL PORTS, 2 DUPLEX SERIAL PORTS, BAUD
RATE GENERATOR, 2 - 16 BIT PROGRAMMABLE INTERVAL TIMERS,
ROOM FOR UP TO 16K OF EPROM (2708,2716,2732), AND A CONNECTOR
TO ADAPT THE PERCI 1070 INTELLIGENT FLOPPY DISK CONTROLLER
TO THE S100 BUS.

THIS SINGLE CARD CAN INTERFACE CRT TERMINALS, KEYBOARDS,
PRINTERS, PAPER TAPE READERS, EPROM PROGRAMMERS, UP TO FOUR
FLOPPY DISK DRIVES (WITH CONTROLLER) AND STILL PROVIDE EPROM
SPACE AND 2 - 16 BIT TIMERS.

THE "FLOPPY I/O" CARD FROM CGRS MICROTECH IS COMPATIBLE WITH
ALTAIR 8800, IMSAI 8080 AND THE CGRS 6502/S100 MPU. THE
"FLOPPY I/O" IS AVAILABLE IN KIT FORM ($169-95) AND ASSEMBLED
($219.95).

PETEX-PET TO S100 ADAPTOR   NEW   PRODUCT INFORMATION

CGRS MICROTECH, INC. ANNOUNCES THE PET/S100 ADAPTOR.
CGRS,THE 6502/S100 EXPERTS, HAVE DEVELOPED AN ADAPTOR
CARD THAT WILL CONVERT THE "MEMORY EXPANSION" CONNECTOR
FROM THE PET COMPUTER TO THE S100 BUS. WITH THIS CARD
THE OWNERS OF THE PET COMPUTER CAN EXPAND MEMORY, ADD
 I/O DEVICES (PRINTERS, FLOPPY DISC,ETC.) AND ENJOY THE
ADVANTAGES OF THE NUMEROUS S100 PRODUCTS.
THE PET/S100 IS A SINGLE BOARD THAT PLUGS INTO A CARD
SLOT OF ANY S100 MOTHERBOARD AND CONNECTS TO THE PET
MEMORY EXPANSION CONNECTOR VIA A FLAT RIBBON CABLE.
THE PET/S100 ADAPTOR CAN BE USED TO ADAPT THE KIM, THE
MOTOROLA EVII, AND OTHER6502 OR 6800 COMPUTERS TO THE
S100 BUS USING THE APPROPRIATE CONNECTOR CABLE. THIS
BOARD IS UNIQUE IN THAT IT GENERATES ALL OF THE REQUIRED
S100 CONTROL SIGNALS SUCH AS PSYNC,I/O ADDRESS,WAIT STATES
AND- MUCH MORE. THIS IS THE SAME DESIGN THAT HAS BEEN
PROVEN BY CGRS OVER THE PAST SEVERAL YEARS WITH THEIR
S100 6502 MPU CARD.
THE PET/S100 COMES WITH INSTRUCTIONS AND A COMPLETE S100
COMPATIBILITY LIST. IT IS AVAILABLE FULLY ASSEMBLED AND
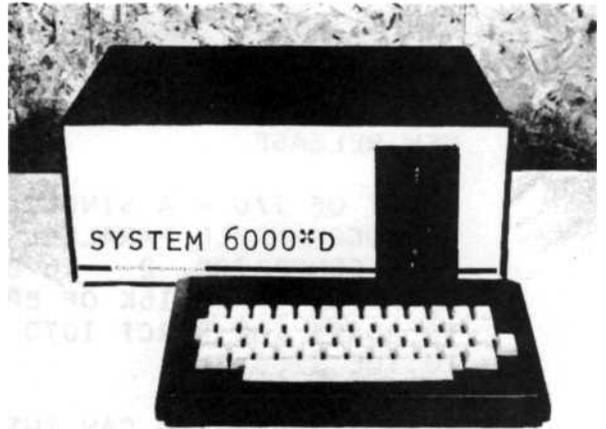TESTED FOR $195.95. SEND CHECK OR MONEY ORDER TO:

                    CGRS MICROTECH, INC.
                    P.O. BOX 368
                    SOUTHAMPTON, PA.
                         18966

LEVEL X: TURNKEY COMPUTER PACKAGE
WITH MINIFLOPPY DISK

*6502 MPU with 1024 bytes of Ram
*T.I.M. II I/O Board
*Cabinet, Power Supply - 8V@10A,±16V@1A
*S100 Motherboard
*VB1B Video Board and Keyboard
*"VIP" Operating System Firmware

The CGRS Turn-key Computer package is a general purpose microcomputer complete with keyboard and video output. The microcomputer features the "VIP" operating system, a special program that controls the video screen, providing a "built-in" computer terminal. The system is, of course, S100 expandable to any powerful level, making it particularly suitable for business and general computing applications.

THE SYSTEM 6000*D CONTAINS THE POWER SUPPLY, CONTROLLER,DISC DRIVE AND SOFTWARE MOUNTED IN OUR STANDARD BOX. ASSEMBLED AND TESTED...................................$1550.00

SYSTEM 6000*D

6502 DISKETTE SUPPORT SOFTWARE

VIODT - AN I/O DRIVER

VDIAGT - A SET OF DIAGNOSTIC ROUTINES

KVOS1T - AN EXTENSION TO TIM' WITH DISK FILE
          DIRECTORY MANIPULATION COMMANDS

KV0S2T - ALL THE FEATURES OF 'KVOS1T' PLUS
          A DISASSEMBLER AND A DYNAMIC TRACER

KVOS2T' IS A MINIATURE OPERATING SYSTEM FOR USE WITH THE CGRS 6302 MPU CARD AND THE 6502 'TIM' MONITOR ROM. IT EXTENDS THE COMMANDS AVAILABLE WITH 'TIM' TO ALLOW SUCH THINGS AS

- LIST THE VOLUME TABLE OF CONTENTS OF A SPECIFIED DISK

- SAVE A PROGRAM TO DISK BY FILE NAME

- EXECUTE A PROGRAM FROM DISK BY FILE NAME

- LOAD A PROGRAM FROM DISK BY FILE NAME

- UPDATE A PROGRAM BY FILE NAME

- DELETE A PROGRAM FROM DISK

- INITIALIZE A DISK

- REMOVE DELETED SPACE FROM A DISK (PACK)

- PROGRAM DISASSEMBLY

- DYNAMIC PROGRAM TRACING

'KV0S2T' IS SUPPLIED ON 2 2708 ROM'S AND A DISKETTE   PRICE - $65.00

'KVOS1T' HAS ALL THE FEATURES OF 'KVOS2T' EXCEPT THE DISASSEMBLER AND THE TRACER. IT IS SUPPLIED ON 1 2708 ROM AND A DISKETTE. PRICE - $40.00

'VIODT' IS THE I/O DRIVER ROM USED BY 'KV0S2T' AND 'KVOS1T' AND IS AVAILABLE SEPARATELY FOR THOSE PEOPLE WHO LIKE TO WRITE THEIR OWN OPERATING SYSTEMS   PRICE - $25.00

'VDIAGT' IS A SET OF DIAGNOSTIC ROUTINES THAT CAN BE USED TO CHECK OUT DISKETTE DRIVES. IT HAS SOME SECTOR READ AND WRITE ROUTINES THAT CAN BE USED AS A PRIMITIVE OPERATING SYSTEM. 'VDIAGT' IS SUPPLIED ON 1 2708 ROM AND REQUIRES 'VIODT'. PRICE - $25.00

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PRICE SHEET   AUGUST 1978   ORDERING HOURS 12:00 AM - 8 PM

SYSTEMS	KIT	ASSEMBLED
LEVEL I: TUTORIAL SYSTEM	$199.95	$ 239.95
LEVEL II: INTRODUCTORY SYSTEM	$259.95	$ 329.95
LEVEL III: STANDARD SYSTEM	$369.95	$ 469.95
LEVEL IV: ADVANCED SYSTEM	$499.95	$ 599.95
LEVEL V: PROFESSIONAL SYSTEM	$795.00	$ 995.00
LEVEL VI: TURN-KEY SYSTEM WITH FLOPPY DISK		$1550.00
LEVEL X: TURN-KEY	$895.00	$ 995.00
LEVEL XI: PORTABLE	$745.00	$ 895.00

ACCESSORIES

	KIT	ASSEMBLED
1. 16K ROM	$ 59.95	$ 99.95
2. 3200/1600 RAM BOARD BY TRACE ELECTRONICS		$ 649.00
WITH 16K MEMORY		$ 375.00
3. VB1-B VIDEO BOARD	$129.50	$ 169.50
4. PTRI - PRINTER, CABINET, POWER SUPPLY		
AND PARALLEL/SERIAL INTERFACE CARD	$645.00	
5. FL1 - MINI FLOPPY DISK, DUAL SA400		$ 795.00
DRIVE, CABINET, POWER SUPPLY, S100		
CONTROLLED CARD AND SOFTWARE	$995.00	
6. FL2 - DUAL PERSI 277, 8" DISK DRIVE,		$1195.00
CABINET, POWER SUPPLY, PERSCI 1070		
CONTROLLER CARD AND EXDOS/TIM		
		$2495.00

PRODUCTS

		BARE BOARDS	ASSEMBLED
PET TO S100 EXPANSION CARD INCLUDES CABLES AND CONNECTORS			$ 195.95
FLOPPY I/O CARD		$169.95	$ 219.95
LEVEL I MPU BOARD(NO MEMORY)	$49.95	$149.95	$ 179.95
LEVEL II MPU BOARD(2K RAM)		$239.95	$ 279.95
HEXADECIMAL FRONT PANEL	$39.95	$149.95	$ 199.95
T.I.M. I/O BOARD	$39.95	$139.95	$ 169.95
AUDIO INTERFACE CASSETTE	$ 9.95	$ 29.95	$ 49.95
S100 POWER SUPPLY, +8v@10A, +16V@1A		$ 55.00	$ 65.00
S100 CARD RACK		$ 49.95	$ 60.00
S100 CABINET SYSTEM		$150.00	$ 165.00

SOFTWARE

1. V.I.P. - VIDEO INTERFACE PARALLEL (1K OF 2708)	$ 25.00
2. V.I.P. II EXPANSION SOFTWARE (1K OF 2708)	$ 25.00
3. EXOS - EXTENDED OPERATING SYSTEM (4K OF 2708)	$ 150.00
4. DATE/TIM - DISSASMBLER, ASSEMBLER, TRACE AND EDITOR	
(4K OF 2708) IN PROM	$ 150.00
5. EXASMB/TIM - ASSEMBLER FOR T.I.M. (2K OF 2708)	$ 80.00
6. EXASMP/V.I.P. - ASSEMBLER FOR V.I.P. (2K OF 2708)	$ 80.00
7. TINY BASIC/TIM (3K OF 2708) IN PROM	$ 60.00
8. TINY BASIC/VIP (3K OF 2708) IN PROM	$ 60.00
9. EXDOS/TIM - DISK OPERATING SYSTEM (1K OF 2708)	$ 50.00
10. 8K BASIC - 9 DIGIT, ON PAPER TAPE	$ 90.00

PRICE LIST SUBJECT TO CHANGE WITHOUT NOTICE
PLUS 5% SHIPPING AND HANDLING
PA. RESIDENTS ADD 6% SALES TAX

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   S100 LISTING: CGRS MPU. LEVEL II, REV.  5,6,  MARCH 1973

   THE FOLLOWING BOARDS HAVE SEEN TESTED AND FOUND COMPATIBLE:
     1. IMSAI-RAM4, 4K RAM BOARD
  *  2. IMSAI-RAM4A, 4K RAM BOARD
     3. SOLID STATE MUSIC - MB6, 8K RAM
     4. ITHACA AUDIO - 8K RAM
     5. ITHACA AUDIO - 16K ROM
     6. SD SALES 16K ROM
     7. SOLID STATE MUSIC - MB7, 16K RAM
     8. T.D.L. - Z16, 16K RAM
 **  9. VANDENBURG DATA - 16K ROM BOARD
    10. SOLID STATE MUSIC - MC8, 16K ROM BOARD
    11. MERLIN - VIDEO-I/O BOARD
    12. POLYMORPHIC SYSTEMS - VIDEO BOARD(KEYBOARD INPUT NOT USABLE)
    13. SOLID STATE MUSIC - VBI, VIDEO BOARD
    14. IMSAI - 3P+S, I/O BOARD
    15. TDL - VDB, VIDEO I/O BOARD
    16. SPEECHLAB - SPEECH INPUT BOARD

   THE FOLLOWING BOARDS HAVE BEEN SCHEMATICALLY REVIEWED AND APPEAR
      COMPATIBLE:
     1. S.D. SALES - 4 K RAM
     2. PROCESSOR TECHNOLOGY - 4K RAM
     3. DUTRONICS - 8K RAM
     4. FRANKLIN ELECTRIC - 8K RAM
     5. PROBLEM SOLVER SYSTEMS - 8< RAM
     6. PROBLEM SOLVER SYSTEMS - 16K RAM
     7. DIGITAL MICRO SYSTEMS - 16K RAM
     8. DYNABYTE - 16K RAM
     9. DYNABYTE - 32K RAM
    10. TARBELL CASSETTE INTERFACE
    11. PERCOM - CASSETTE INTERFACE, I/O
  * 12. NATIONAL MULTIPLEX - 2S10
    13. PROBLEM SOLVER SYSTEMS - MM16, 16K ROM
    14. MITS - 882S10, SERIAL I/O
    15. MITS - 884P10, PARALLEL I/O
    16. PICKLES & TROUT - PARALLEL I/O
    17. MULLEN COMPUTER - RELAY I/O CONTROLLER
    18. COMPUTALKER ASSOC. - SPEECH OUTPUT BOARD
    19. PERIPHERAL VISION - FLOPPY DISK CONTROLLER
    20. S.D. SALES - 16K ROM BOARD
    21. ALF PRODUCTS - 10-5-9 PITCH GENERATOR, MUSIC
    22. POLYMORPHICS - IDEA BOARD
    23. SZERLIP ENTER. - PROM SETTER, PROM PROGRAMMER
    24. MOUNTAIN HARDWARE - INTELLIGENT CONTROLLER
    25. CROMEMCO - 4FDC, FLOPPY DISK CONTROLLER
    26. CROMEMCO - T.V. DAZZLER  (MOD. REQ'D)
    27. SPEECH TECHNOLOGY - M188 VOICE GENERATOR
    28. S.D. SALES - FLOPPY DISK CONTROLLER CARD
    29. KENT-MOORE - GRAPHIC VIDEO DISPLAY 60084
    30. KENT-MOORE - ALPHA VIDEO DISPLAY 60083
    31. KENT-MOORE - ALPHA VIDEO DISPLAY II - 60117
    32. KENT-MOORE - 8K RAM 60085


   THE FOLLOWING BOARDS HAVE BEEN REVIEWED AND FOUND TO BE  INCOMPATIBLE:
     1. ICOM - FLOPPY DISK CONTROLLER (DECODES HIGH ORDER I/O #, CAN BE
              MODIFIED)
     2. PROCESSOR TECHNOLOGY - VDM-1, VIDEO (DECODES HIGH ORDER I/O #)
     3. CROMEMCO - 16KZ, 16K DYNAMIC RAM
     4. CROMEMCO - BYTESAVER (CAN BE USED TO READ, BUT NOT PROGRAM EPROMS)
 ** 5. CROMEMCO - "TU-ART",  SERIAL/PARALLEL  I/O
     6. INFO 2000 - FLOPPY DISK I/O CARD (DECODES HIGH ORDER I/O, CAN BE
                 MODIFIED)
     7. S.D. SALES - 32K RAM


    * NOT  RECOMMENDED


    *** MOS TECHNOLOGY  HARDWARE/SOFTWARE  MANUALS $10.00  EACH
        MOS  TECHNOLOGY TIM MANUAL                $10.00  EACH
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