

Ref - Thesis - Datasheets

Groups

```
{  
  Epson = HX-20  
  Intel = 2920  
  Dec - Unix Level 6  
  Motorola - Logic = 74LS(00, 02, 04, 74, 138,  
245, 373)  
  Motorola - Micros = 680(0, 3, 9, 00)  
  Texas Instruments = TMS(9995, 320(10, 20))  
  VME Bus  
}
```

Rob Smith
7 Jun 2022

=== Epson ===

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HX20 - operations manual
https://files.support.epson.com/pdf/hx20_u1.pdf
75 pages
:
Directory of 49 files
<http://www.vintagecomputer.net/fjkraan/comp/hx20/doc/>
:
Webpage
<http://oldcomputer.info/8bit/hx20/index.htm>
Instruction Manuals & ?Used Guides
<https://mans.io/item/Epson/HX-20>

=== Intel ===

:
2920 = signal processor
<https://www.datasheetarchive.com/pdf/download.php?id=f0d9c5cd162385b46ea4c2315fd10b55848ce5&type=O&term=intel%25202920>
13 pages
:
<https://www.computerhistory.org/siliconengine/single-chip-digital-signal-processor-introduced/>
:
Digital Signal Processor
https://wiki.edunitas.com/IT/en/114-10/DSP_1610_eduNitas.html
:
https://en.wikipedia.org/wiki/Digital_signal_processor

=== Dec Unix ===

:
Level 6
https://en.wikipedia.org/wiki/Version_6_Unix
:
Level 6 - source code - John Lyons (UNSW - ElecEng)
<http://v6.cuzuco.com/v6.pdf>
118 pages

=== Motorola - Logic ===

:
74LS00 - Quad 2-input NAND Gate
<https://datasheetpdf.com/pdf-file/1168587/Motorola/SN74LS00/1>
2 pages
<https://www.futurlec.com/74LS/74LS00.shtml>
5 pages
:
:
74LS02 - Quad 2-input NOR Gate
<https://datasheetpdf.com/pdf-file/939323/Motorola/SN74LS02/1>
2 pages
<https://www.futurlec.com/74LS/74LS02.shtml>
5 pages
:
:
74LS04 - Hex Inverting Gates
<https://datasheetpdf.com/pdf-file/487900/Motorola/SN74LS04/1>
2 pages
<https://www.futurlec.com/74LS/74LS04.shtml>
5 pages
:
:
74LS74 - Dual D-Flip-Flop
<https://datasheetpdf.com/pdf-file/1089762/Motorola/SN74LS74A/1>
3 pages
<https://www.futurlec.com/74LS/74LS74.shtml>
6 pages
:
:
74LS138 - 1-of-8 Decoder / Demultiplexer
<https://datasheetpdf.com/pdf-file/903412/Motorola/SN74LS138/1>
3 pages
<https://www.futurlec.com/74LS/74LS138.shtml>
7 pages
:
:

74LS245 - 3-state Octal Bus Transceiver

<https://datasheetspdf.com/pdf-file/1089708/Motorola/SN74LS245/1>

4 pages

<https://www.futurlec.com/74LS/74LS245.shtml>

6 pages

:

:

74LS373 - 3-state Octal Transparent D-Latch

<https://datasheetspdf.com/pdf-file/1089733/Motorola/SN74LS373/1>

pages

<https://www.futurlec.com/74LS/74LS373.shtml>

8 pages

=== Motorola - Micros ===

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MC6800 = 8-bit microprocessing unit

https://en.wikipedia.org/wiki/Motorola_6800

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<https://datasheetspdf.com/pdf-file/496901/Motorola/MC6800/1>

32 pages

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MC6803 = 8-bit micro

<https://datasheetspdf.com/pdf-file/501905/Motorola/MC6803/1>

39 pages

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MC6809 = 8-bit micro

https://en.wikipedia.org/wiki/Motorola_6809

:

<https://datasheetspdf.com/pdf-file/771020/Motorola/6809/1>

34 pages

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MC68000 = 8-/16/32-bit micro

https://en.wikipedia.org/wiki/Motorola_68000

:

<https://datasheetspdf.com/pdf-file/502472/Motorola/68000/1>

189 pages

=== Texas Instruments ===

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TMS9995 = 16-Bit Microcomputer

https://en.wikipedia.org/wiki/Texas_Instruments_TMS9900

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<https://pdf1.alldatasheet.com/datasheet-pdf/view/81555/TI/TMS9995.html>

64 pages

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TMS32010 - First Generation DSP

https://en.wikipedia.org/wiki/Texas_Instruments_TMS320

:

Digital Signal Processor

https://wiki.edunitas.com/IT/en/114-10/DSP_1610_eduNitas.html

:

https://en.wikipedia.org/wiki/Digital_signal_processor

:

The DSP chip that changed the destiny of a semiconductor giant

<https://www.tihaa.org/historian/TMS32010-12.pdf>

10 pages

:

First Generation

<https://www.datasheetarchive.com/pdf/download.php?id=716b0032a52050140abffe6f0ac4894aa09889&type=M&term=TMS32010>

70 pages

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TMS320xx USER GUIDE 1985 online

https://archive.org/details/bitsavers_tiTMS320xx985_13292501

438 pages

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TMS320xx USER GUIDE 1985 PDF

https://ia803001.us.archive.org/28/items/bitsavers_tiTMS320xx985_13292501/TMS32010_Users_Guide_1985.pdf

438 pages

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TMS32020 - 2nd Generation DSP

https://www.ti.com/lit/ds/symlink/tms320c25.pdf?ts=1654820126615&ref_url=https%253A%252F%252Fwww.google.com%252F

71 pages

=== VME Group ===

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VME Bus

<https://en.wikipedia.org/wiki/VMEbus>

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VMS Bus - History

<https://cds.cern.ch/record/366651/files/p453.pdf>

8 pages

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VMS Bus

VMS Operations, OH&S and Maintenance

ManualIf hiring this VMS, contact Hire Company

for assistance.DataSign-VMS Overview The

diagram below shows the location of parts

commonly referred to throughout this

manual. While some parts change over time, the

same concepts apply. Some parts are optional

extras and may not be fitted to your Sign.

[https://www.datasigns.com.au/documents/HelpDe
sk/VMS%20Operations%20and%20Maintenance
%20Manual%20\(Single%20Pages\)%2010-07-
18.pdf](https://www.datasigns.com.au/documents/HelpDesk/VMS%20Operations%20and%20Maintenance%20Manual%20(Single%20Pages)%2010-07-18.pdf)