



AT&T

630 MTG

Software Development Release Notes

TRADEMARKS

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NOTICE

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INTRODUCTION

This document contains general information, file lists, and known software exceptions with solutions for the AT&T 630 MTG Software Development Package (Release 1.0). This release of the 630 MTG Software Development Package is for use with the AT&T 3B2, AT&T 3B15, AT&T 3B20, and AT&T 3B4000 Computers. See the section titled "RELEASE FORMAT" for releases of UNIX® System V for which the 630 MTG Software Development package is certified.

INSTALLATION PROCEDURES

For procedures and notes on installation, see Appendix A (Installation and Administration) of the *630 MTG Software Development Guide*. For procedures on porting 5620 DMD applications to the 630 MTG, see Appendix B (5620 Compatibility) of the *630 MTG Software Development Guide*.

RELEASE FORMAT

The 630 Software Development Package is available in the following configurations:

- 3B2 binary software distributed on five 3B2 floppy diskettes. This package is certified to work with System V Release 2.0.4 (except at 300 baud), System V Release 2.0.5, System V Release 3.0, System V Release 3.1, and System V Release 3.1.1.
- 3B15 and 3B4000 binary software distributed on 9-track magnetic tape. This package is certified to work with System V Release 3.1.
- 3B20 binary software distributed on 9-track magnetic tape. This package is certified to work with System V Release 2.0, System V Release 2.1, and System V Release 2.1.1.
- Source code is distributed on both 9-track and cartridge tape. This source code is certified to compile properly with 3B2 System V Release 3.0 using C Programming Language Utilities Issue 4.

Storage requirements are specified in the *630 MTG Software Development Guide* Appendix A (Installation and Administration).

Binary Diskettes (3B2 Computer)

The files included on the Software Development Package Binary Diskettes for the 3B2 computer are as follows:

Diskette 1 of 5

lib/libj.a	bin/dmdpi
lib/mc68ccom	icons/texture
icons/texture/ICON.LST	icons/texture/bats
icons/texture/bighex	icons/texture/bigweave
icons/texture/black	icons/texture/chainmail
icons/texture/checks	icons/texture/cobblestone
icons/texture/crabcan1	icons/texture/crabcan2
icons/texture/crabcan3	icons/texture/crabtweed
icons/texture/darkgrey	icons/texture/dashes

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icons/texture/diag1:3	icons/texture/diag2:2
icons/texture/diag3:1	icons/texture/diagweave
icons/texture/eight1	icons/texture/eight2
icons/texture/el	icons/texture/ellipse
icons/texture/escherfish16	icons/texture/escherfish8
icons/texture/fence1	icons/texture/fence2
icons/texture/fence3	icons/texture/fishes
icons/texture/freckles	icons/texture/grey
icons/texture/greysun	icons/texture/hex
icons/texture/horbar1:1	icons/texture/inversegrey
icons/texture/ironcoat	icons/texture/kapow
icons/texture/lightgrey	icons/texture/money
icons/texture/plaid4:4	icons/texture/plaid8:8
icons/texture/six	icons/texture/small+bighex
icons/texture/smallhex	icons/texture/smile
icons/texture/snake	icons/texture/spiral
icons/texture/squareknot	icons/texture/stars
icons/texture/stars1	icons/texture/texture.icon
icons/texture/tweed	icons/texture/tweed+cross
icons/texture/tweed+plus2:2	icons/texture/tweed+plus4:3
icons/texture/tweed+plus4:4	icons/texture/tweed+plus5:5
icons/texture/tweedish	icons/texture/ubalu
icons/texture/ubalu2	icons/texture/vampire
icons/texture/verbar1:1	icons/texture/verbar1:3
icons/texture/verbar2:2	icons/texture/verbar3:1
icons/texture/verbar4:4	icons/texture/vertigo
icons/texture/vibration	icons/texture/weave
icons/texture/weave2	icons/texture/white
icons/texture/wiggly	icons/texture/yin-yang
terminfo/630	lib/layersys/lsys.8;8;?
lib/layersys/lsys.8;8;6	lib/layersys/lsys.8;8;5

Diskette 2 of 5

lib/libfw.a	bin/mc68ld
bin/mc68as	lib/libjx.a
bin/mc68dis	lib/mc68optim
lib/libc.a	termfonts/noseprint
icons/face48	icons/face48/ICON.LST
icons/face48/acsnet	icons/face48/adm
icons/face48/ap	icons/face48/bart
icons/face48/bbc	icons/face48/bgs

icons/face48/bin	icons/face48/bwk
icons/face48/chaos	icons/face48/cow
icons/face48/daemon	icons/face48/dan
icons/face48/davef	icons/face48/dectalk
icons/face48/dmr	icons/face48/ecc
icons/face48/jdj	icons/face48/jerq
icons/face48/ken	icons/face48/mailerdaemon
icons/face48/mandrill	icons/face48/ojb
icons/face48/owl1	icons/face48/owl2
icons/face48/owl3	icons/face48/rob
icons/face48/root	icons/face48/ross
icons/face48/sys	icons/face48/turkey
icons/face48/unknown	icons/face48/uucp

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lib/libm.a	bin/jim
bin/mc68dump	lib/dmdpi.m
icons	icons/16x16
icons/16x16/ICON.LST	icons/16x16/aim
icons/16x16/aim-n	icons/16x16/aim-p
icons/16x16/arrow-b	icons/16x16/arrow-b-double
icons/16x16/arrow-b-fat	icons/16x16/arrow-b-fat1
icons/16x16/arrow-b-med	icons/16x16/arrow-b-turn
icons/16x16/arrow-b-wrap	icons/16x16/arrow-blit
icons/16x16/arrow-cur1	icons/16x16/arrow-cur1move
icons/16x16/arrow-cur2	icons/16x16/arrow-curved
icons/16x16/arrow-from	icons/16x16/arrow-into
icons/16x16/arrow-move	icons/16x16/arrow-turn
icons/16x16/arrow-w-double	icons/16x16/arrow-w-fat
icons/16x16/arrow-wrap	icons/16x16/attinvlogo
icons/16x16/attlogo	icons/16x16/bell
icons/16x16/bitblt	icons/16x16/blackborder
icons/16x16/blah	icons/16x16/boot
icons/16x16/boundarypad	icons/16x16/brain
icons/16x16/btllogo	icons/16x16/bulb
icons/16x16/bullseye	icons/16x16/bunny
icons/16x16/bunnyface	icons/16x16/caret
icons/16x16/carnegie	icons/16x16/champagne
icons/16x16/check	icons/16x16/cinco
icons/16x16/circle	icons/16x16/cleanup
icons/16x16/clock	icons/16x16/cockmouse

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icons/16x16/coffeecup	icons/16x16/confirm
icons/16x16/copier	icons/16x16/copydisk
icons/16x16/corner	icons/16x16/cross-n
icons/16x16/cross-p	icons/16x16/crosshairs
icons/16x16/cup1	icons/16x16/cup2
icons/16x16/deadflower	icons/16x16/deadmouse
icons/16x16/diagmouse	icons/16x16/dice1
icons/16x16/dice2	icons/16x16/dice3
icons/16x16/dice4	icons/16x16/dice5
icons/16x16/dice6	icons/16x16/die
icons/16x16/digitalwatch	icons/16x16/dominion1
icons/16x16/dominion2	icons/16x16/dont
icons/16x16/drawbox	icons/16x16/drawboxthumb
icons/16x16/drawcaret	icons/16x16/drawcelloff
icons/16x16/drawcellon	icons/16x16/drawcenter
icons/16x16/drawdelwindow	icons/16x16/drawdoublerr
icons/16x16/drawhalfbox	icons/16x16/drawidle
icons/16x16/drawmovewindow	icons/16x16/drawnnewwindow
icons/16x16/drawsplitbox	icons/16x16/drawsplitwind
icons/16x16/drawthumb	icons/16x16/egg
icons/16x16/ellipse	icons/16x16/eye
icons/16x16/father	icons/16x16/firecracker
icons/16x16/flag1	icons/16x16/flag2
icons/16x16/flower	icons/16x16/frank
icons/16x16/ftpcursor	icons/16x16/ftpsquare1
icons/16x16/ftpsquare2	icons/16x16/george
icons/16x16/ghost	icons/16x16/glasses
icons/16x16/goaway	icons/16x16/grab-closed
icons/16x16/grab-open	icons/16x16/grapes
icons/16x16/grid	icons/16x16/groundhog
icons/16x16/guillotine	icons/16x16/gun
icons/16x16/halloween	icons/16x16/hand
icons/16x16/hand-smalltalk	icons/16x16/hand1
icons/16x16/hanukah	icons/16x16/heart
icons/16x16/help	icons/16x16/hook
icons/16x16/hourglass	icons/16x16/hung
icons/16x16/ilovenewyork	icons/16x16/impossifork
icons/16x16/invert	icons/16x16/junction
icons/16x16/kitten	icons/16x16/libcursor
icons/16x16/magnify	icons/16x16/mayday
icons/16x16/mcsquare	icons/16x16/menu
icons/16x16/menu1	icons/16x16/menu12

icons/16x16/menu123
icons/16x16/menu2
icons/16x16/menu3
icons/16x16/mit
icons/16x16/mouse
icons/16x16/moused
icons/16x16/moused
icons/16x16/norges
icons/16x16/note1-16
icons/16x16/note1-4
icons/16x16/ok
icons/16x16/oldcar
icons/16x16/oops
icons/16x16/pacghost-l
icons/16x16/pacghost-u
icons/16x16/pageslice
icons/16x16/paragraph
icons/16x16/pen
icons/16x16/phonecall
icons/16x16/questionmark1
icons/16x16/racecar
icons/16x16/receive
icons/16x16/saturn2
icons/16x16/scale1
icons/16x16/section
icons/16x16/send
icons/16x16/sham
icons/16x16/ski
icons/16x16/sleep
icons/16x16/softball
icons/16x16/startrek
icons/16x16/sunset
icons/16x16/sweepicons/16x16/target1
icons/16x16/tex
icons/16x16/thumbingcur
icons/16x16/thumbmarker1
icons/16x16/thumbsup
icons/16x16/trashcan
icons/16x16/triangle
icons/16x16/vesuvius
icons/16x16/window-cur
icons/16x16/yum

icons/16x16/menu13
icons/16x16/menu23
icons/16x16/microscope
icons/16x16/mother
icons/16x16/mouseblue
icons/16x16/mouseyellow
icons/16x16/note1-1
icons/16x16/note1-2
icons/16x16/note1-8
icons/16x16/okraplant
icons/16x16/oldcoffeecup
icons/16x16/pacghost-d
icons/16x16/pacghost-r
icons/16x16/page
icons/16x16/palm
icons/16x16/paragraph-move
icons/16x16/phone
icons/16x16/puf
icons/16x16/questionmark2
icons/16x16/readthis
icons/16x16/saturn1
icons/16x16/scale
icons/16x16/scroll
icons/16x16/section-move
icons/16x16/settingsun
icons/16x16/shear
icons/16x16/skull
icons/16x16/smiley
icons/16x16/stanford
icons/16x16/stretch
icons/16x16/sweep
icons/16x16/target
icons/16x16/target3
icons/16x16/texture
icons/16x16/thumbmarker
icons/16x16/thumbsdown
icons/16x16/tinymouse
icons/16x16/tree
icons/16x16/turkey
icons/16x16/virus
icons/16x16/window-del
icons/16x16/zot

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bin/mc68strip	lib/icon.m
bin/mc68conv	examples/UserInterface/MenuIcons.h
bin/mc68nm	bin/mc68ar
lib/mc68cpp	bin/dmdd
lib/jim.m	lib/demolib/doodle

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bin/mc68cprs	icons/large/ICON.LST
icons/large/banana	icons/large/bigswitch1
icons/large/bigswitch2	icons/large/boss
icons/large/clef	icons/large/clef1
icons/large/cube	icons/large/cube1
icons/large/cube2	icons/large/digital
icons/large/digital1	icons/large/font
icons/large/fourarrows	icons/large/guitar
icons/large/homarauder	icons/large/letter
icons/large/letters	icons/large/menucursor
icons/large/menucursors	icons/large/nfont
icons/large/nosmoking	icons/large/note1-1
icons/large/note1-16	icons/large/note1-2
icons/large/note1-32	icons/large/note1-4
icons/large/note1-8	icons/large/note3-16
icons/large/note3-32	icons/large/note3-4
icons/large/note3-8	icons/large/pacman2
icons/large/pacmen	icons/large/skull
icons/large/smallclef	icons/large/smallclef1
icons/large/strawberry	icons/large/sweepcursor
icons/large/switches	icons/large/tinynumbers
icons/large/toggle1	icons/large/toggle2
icons/large/toggle3	termfonts/7x14thin
examples/Graphics/rotate.h	lib/demolib/clock
bin/mc68size	bin/dmdcc
lib/demolib/rose	lib/demolib/bounce
bin/dmdversion	lib/demolib/star
bin/loadfont	lib/dmdgetpr
bin/jx	lib/sysint
lib/loadfont.m	lib/dmdmemory.m
lib/demolib/ball	termfonts/twice...big
include/key98tab.h	examples/Resources/mouse.c
include/key122tab.h	examples/Caching/cache17.c

examples/Messages/messages2.c
 include/dmdproc.h
 termfonts/12x25round
 termfonts/12x25BOLD
 examples/UserInterface/Tmenu7.c
 examples/UserInterface/Tmenu5.c
 include/ccs/values.h
 termfonts/12x18norm
 examples/UserInterface/Tmenu4.c
 include/object.h
 examples/UserInterface/Tmenu3.c
 examples/UserInterface/Menu2.c
 examples/Keyboard/kbd3.c
 termfonts/script
 termfonts/12x25thin
 termfonts/12x25norm
 examples/UserInterface/Tmenu8.c
 examples/UserInterface/Tmenu6.c
 include/kbd_proc.h
 examples/Resources/star.c
 include/mpx.h
 examples/Keyboard/kbd2.c
 examples/clock.c
 examples/UserInterface/Tmenu2.c
 examples/Keyboard/keys.h
 examples/Jx/jxmouse.c

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examples/Graphics/screen.c
 include/setup.h
 include/menu.h
 include/global.h
 include/ccs/math.h
 examples/UserInterface/msgbox2.c
 examples/UserInterface/Tmenu1.c
 examples/Resources/vstern1.c
 examples/Keyboard/kbd1.c
 examples/GettingStarted/world.h
 lib/crtm.o
 include/font.h
 include/dmdio.h
 include/ccs/errno.h
 include/agent.h
 examples/UserInterface/msgbox1.c
 examples/UserInterface/label2.c
 examples/UserInterface/Menu1.c
 examples/Resources/TrackMouse.c
 examples/GettingStarted/HELLO.c
 examples/Fonts/font2.c
 examples/Caching/cache8.c
 examples/Caching/cache6.c
 examples/Caching/cache4.c
 examples/Caching/cache16.c
 lib/ucache.m
 include/message.h
 include/keycodes.h
 include/dmd.h
 include/5620.h
 examples/UserInterface/Tmenu9.c
 examples/Resources/world.h
 examples/Messages/messages1.c
 examples/Jx/world.h
 examples/Fonts/font1.c
 include/msgsg.h
 include/extern.h
 include/ccs/signal.h
 include/ccs/ctype.h
 icons/16x16/ICON.LST
 examples/UserInterface/label3.c
 examples/UserInterface/label1.c
 examples/Resources/type.c
 examples/Graphics/twist.c
 examples/Fonts/font3.c
 examples/Caching/cache9.c
 examples/Caching/cache7.c
 examples/Caching/cache5.c
 examples/Caching/cache3.c
 examples/Caching/cache15.c

examples/Caching/cache14.c	examples/Caching/cache13.c
examples/Caching/cache12.c	examples/Caching/cache11.c
examples/Caching/cache10.c	bin/mc68lorder
bin/jimunpack	bin/icon
bin/dmdman	bin/dmdcat
lib/demobin/clock	include/sys/sccsid.h
include/sccsid.h	include/quiet.h
include/layer.h	include/label.h
include/ccs/string.h	include/ccs/search.h
include/ccs/memory.h	icons/texture/ICON.LST
icons/large/ICON.LST	icons/face48/ICON.LST
examples/README	examples/Keyboard/positions.h
examples/Keyboard/keyrects.h	examples/GettingStarted/hello.c
examples/GettingStarted/arguments.c	examples/Caching/cache2.c
examples/Caching/cache1.c	bin/wtinit
bin/ucache	bin/dmdmemory
bin/dmddemo	VERSION

Binary Tape (3B15 and 3B4000 Computers)

The files included on the Software Development Package Binary Tape for the 3B15 and 3B4000 computers are as follows:

VERSION	bin
bin/dmdcc	bin/mc68ar
bin/mc68as	bin/mc68lorder
bin/mc68conv	bin/mc68cprs
bin/mc68dis	bin/mc68dump
bin/mc68ld	bin/mc68nm
bin/mc68size	bin/mc68strip
bin/dmddemo	bin/dmdcat
bin/dmdld	bin/dmdman
bin/dmdversion	bin/icon
bin/jx	bin/jim
bin/jimunpack	bin/loadfont
bin/dmdmemory	bin/dmdpi
bin/ucache	bin/wtinit
examples	examples/Caching
examples/Caching/cache1.c	examples/Caching/cache10.c
examples/Caching/cache11.c	examples/Caching/cache12.c

examples/Caching/cache13.c
examples/Caching/cache15.c
examples/Caching/cache17.c
examples/Caching/cache3.c
examples/Caching/cache5.c
examples/Caching/cache7.c
examples/Caching/cache9.c
examples/Fonts/font1.c
examples/Fonts/font3.c
examples/GettingStarted/HELLO.c
examples/GettingStarted/hello.c
examples/Graphics
examples/Graphics/screen.c
examples/Jx
examples/Jx/world.h
examples/Keyboard/kbd1.c
examples/Keyboard/kbd3.c
examples/Keyboard/keys.h
examples/Messages
examples/Messages/messages2.c
examples/Resources/TrackMouse.c
examples/Resources/type.c
examples/Resources/world.h
examples/UserInterface
examples/UserInterface/Menu2.c
examples/UserInterface/Tmenu1.c
examples/UserInterface/Tmenu3.c
examples/UserInterface/Tmenu5.c
examples/UserInterface/Tmenu7.c
examples/UserInterface/Tmenu9.c
examples/UserInterface/label2.c
examples/UserInterface/msgbox1.c
examples/README
termfonts
termfonts/12x25BOLD
termfonts/12x25round
termfonts/7x14thin
termfonts/script
icons
icons/16x16/ICON.LST
icons/16x16/aim-n
icons/16x16/arrow-b

examples/Caching/cache14.c
examples/Caching/cache16.c
examples/Caching/cache2.c
examples/Caching/cache4.c
examples/Caching/cache6.c
examples/Caching/cache8.c
examples/Fonts
examples/Fonts/font2.c
examples/GettingStarted
examples/GettingStarted/arguments.c
examples/GettingStarted/world.h
examples/Graphics/rotate.h
examples/Graphics/twist.c
examples/Jx/jxmouse.c
examples/Keyboard
examples/Keyboard/kbd2.c
examples/Keyboard/keyrects.h
examples/Keyboard/positions.h
examples/Messages/messages1.c
examples/Resources
examples/Resources/mouse.c
examples/Resources/vstern1.c
examples/Resources/star.c
examples/UserInterface/Menu1.c
examples/UserInterface/MenuIcons.h
examples/UserInterface/Tmenu2.c
examples/UserInterface/Tmenu4.c
examples/UserInterface/Tmenu6.c
examples/UserInterface/Tmenu8.c
examples/UserInterface/label1.c
examples/UserInterface/label3.c
examples/UserInterface/msgbox2.c
examples/clock.c
termfonts/12x18norm
termfonts/12x25norm
termfonts/12x25thin
termfonts/noseprint
termfonts/twice_big
icons/16x16
icons/16x16/aim
icons/16x16/aim-p
icons/16x16/arrow-b-double

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icons/16x16/arrow-b-fat	icons/16x16/arrow-b-fat1
icons/16x16/arrow-b-med	icons/16x16/arrow-b-turn
icons/16x16/arrow-b-wrap	icons/16x16/arrow-blit
icons/16x16/arrow-curl	icons/16x16/arrow-cur1move
icons/16x16/arrow-cur2	icons/16x16/arrow-curled
icons/16x16/arrow-from	icons/16x16/arrow-into
icons/16x16/arrow-move	icons/16x16/arrow-turn
icons/16x16/arrow-w-double	icons/16x16/arrow-w-fat
icons/16x16/arrow-wrap	icons/16x16/attinvlogo
icons/16x16/atlogo	icons/16x16/bell
icons/16x16/bitblt	icons/16x16/blackborder
icons/16x16/blah	icons/16x16/boot
icons/16x16/boundarypad	icons/16x16/brain
icons/16x16/btilogo	icons/16x16/bulb
icons/16x16/bullseye	icons/16x16/bunny
icons/16x16/bunnyface	icons/16x16/caret
icons/16x16/carnegie	icons/16x16/champagne
icons/16x16/check	icons/16x16/cinco
icons/16x16/circle	icons/16x16/cleanup
icons/16x16/clock	icons/16x16/cockmouse
icons/16x16/coffeecup	icons/16x16/confirm
icons/16x16/copier	icons/16x16/copydisk
icons/16x16/corner	icons/16x16/cross-n
icons/16x16/cross-p	icons/16x16/crosshairs
icons/16x16/cup1	icons/16x16/cup2
icons/16x16/deadflower	icons/16x16/deadmouse
icons/16x16/diagmouse	icons/16x16/dice1
icons/16x16/dice2	icons/16x16/dice3
icons/16x16/dice4	icons/16x16/dice5
icons/16x16/dice6	icons/16x16/die
icons/16x16/digitalwatch	icons/16x16/dominion1
icons/16x16/dominion2	icons/16x16/dont
icons/16x16/drawbox	icons/16x16/drawboxthumb
icons/16x16/drawcaret	icons/16x16/drawcelloff
icons/16x16/drawcellon	icons/16x16/drawcenter
icons/16x16/drawdelwindow	icons/16x16/drawdoublarr
icons/16x16/drawhalfbox	icons/16x16/drawidle
icons/16x16/drawmovewindow	icons/16x16/drawnewwindow
icons/16x16/drawsplitbox	icons/16x16/drawsplitwind
icons/16x16/drawthumb	icons/16x16/egg
icons/16x16/ellipse	icons/16x16/eye
icons/16x16/father	icons/16x16/firecracker

icons/16x16/flag1
icons/16x16/flower
icons/16x16/ftpcursor
icons/16x16/ftpsquare2
icons/16x16/ghost
icons/16x16/goaway
icons/16x16/grab-open
icons/16x16/grid
icons/16x16/guillotine
icons/16x16/halloween
icons/16x16/hand-smalltalk
icons/16x16/hanukah
icons/16x16/help
icons/16x16/hourglass
icons/16x16/ilovenewyork
icons/16x16/invert
icons/16x16/kitten
icons/16x16/magnify
icons/16x16/mcsquare
icons/16x16/menu1
icons/16x16/menu123
icons/16x16/menu2
icons/16x16/menu3
icons/16x16/mit
icons/16x16/mouse
icons/16x16/moused
icons/16x16/norges
icons/16x16/note1-16
icons/16x16/note1-4
icons/16x16/ok
icons/16x16/oldcar
icons/16x16/oops
icons/16x16/pacghost-l
icons/16x16/pacghost-r
icons/16x16/pageslice
icons/16x16/paragraph
icons/16x16/pen
icons/16x16/phonecall
icons/16x16/questionmark1
icons/16x16/racecar
icons/16x16/receive
icons/16x16/saturn2

icons/16x16/flag2
icons/16x16/frank
icons/16x16/ftpsquare1
icons/16x16/george
icons/16x16/glasses
icons/16x16/grab-closed
icons/16x16/grapes
icons/16x16/groundhog
icons/16x16/gun
icons/16x16/hand
icons/16x16/hand1
icons/16x16/heart
icons/16x16/hook
icons/16x16/hung
icons/16x16/impossifork
icons/16x16/junction
icons/16x16/libcursor
icons/16x16/mayday
icons/16x16/menu
icons/16x16/menu12
icons/16x16/menu13
icons/16x16/menu23
icons/16x16/microscope
icons/16x16/mother
icons/16x16/mouseblue
icons/16x16/mouseyellow
icons/16x16/note1-1
icons/16x16/note1-2
icons/16x16/note1-8
icons/16x16/okraplant
icons/16x16/oldcoffeecup
icons/16x16/pacghost-d
icons/16x16/pacghost-r
icons/16x16/page
icons/16x16/palm
icons/16x16/paragraph-move
icons/16x16/phone
icons/16x16/puf
icons/16x16/questionmark2
icons/16x16/readthis
icons/16x16/saturn1
icons/16x16/scale

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icons/16x16/scale1
icons/16x16/section
icons/16x16/send
icons/16x16/sham
icons/16x16/ski
icons/16x16/sleep
icons/16x16/softball
icons/16x16/startrek
icons/16x16/sunset
icons/16x16/sweeportrack
icons/16x16/target1
icons/16x16/tex
icons/16x16/thumbingcur
icons/16x16/thumbmarker1
icons/16x16/thumbsup
icons/16x16/trashcan
icons/16x16/triangle
icons/16x16/vesuvius
icons/16x16/window-cur
icons/16x16/yum
icons/face48
icons/face48/acsnet
icons/face48/ap
icons/face48/bbc
icons/face48/bin
icons/face48/chaos
icons/face48/daemon
icons/face48/davef
icons/face48/dmr
icons/face48/jdj
icons/face48/ken
icons/face48/mandrill
icons/face48/owl1
icons/face48/owl3
icons/face48/root
icons/face48/sys
icons/face48/unknown
icons/large
icons/large/banana
icons/large/bigswitch2
icons/large/clef
icons/large/cube

icons/16x16/scroll
icons/16x16/section-move
icons/16x16/settingsun
icons/16x16/shear
icons/16x16/skull
icons/16x16/smiley
icons/16x16/stanford
icons/16x16/stretch
icons/16x16/sweep
icons/16x16/target
icons/16x16/target3
icons/16x16/texture
icons/16x16/thumbmarker
icons/16x16/thumbsdown
icons/16x16/tinymouse
icons/16x16/tree
icons/16x16/turkey
icons/16x16/virus
icons/16x16/window-del
icons/16x16/zot
icons/face48/ICON.LST
icons/face48/adm
icons/face48/bart
icons/face48/bgs
icons/face48/bwk
icons/face48/cow
icons/face48/dan
icons/face48/dectalk
icons/face48/ecc
icons/face48/jerq
icons/face48/mailedaemon
icons/face48/ojb
icons/face48/owl2
icons/face48/rob
icons/face48/ross
icons/face48/turkey
icons/face48/uucp
icons/large/ICON.LST
icons/large/bigswitch1
icons/large/boss
icons/large/clef1
icons/large/cube1

icons/large/cube2
icons/large/digital1
icons/large/fourarrows
icons/large/homarauder
icons/large/letters
icons/large/menucursors
icons/large/nosmoking
icons/large/note1-16
icons/large/note1-32
icons/large/note1-8
icons/large/note3-32
icons/large/note3-8
icons/large/pacmen
icons/large/smallclef
icons/large/strawberry
icons/large/switches
icons/large/toggle1
icons/large/toggle3
icons/texture/ICON.LST
icons/texture/bighex
icons/texture/black
icons/texture/checks
icons/texture/crabcan1
icons/texture/crabcan3
icons/texture/darkgrey
icons/texture/diag1:3
icons/texture/diag3:1
icons/texture/eight1
icons/texture/el
icons/texture/escherfish16
icons/texture/fence1
icons/texture/fence3
icons/texture/freckles
icons/texture/greysun
icons/texture/horbar1:1
icons/texture/ironcoat
icons/texture/lightgrey
icons/texture/plaid4:4
icons/texture/six
icons/texture/smallhex
icons/texture/snake
icons/texture/squareknot

icons/large/digital
icons/large/font
icons/large/guitar
icons/large/letter
icons/large/menucursor
icons/large/nfont
icons/large/note1-1
icons/large/note1-2
icons/large/note1-4
icons/large/note3-16
icons/large/note3-4
icons/large/pacman2
icons/large/skull
icons/large/smallclef1
icons/large/sweepcursor
icons/large/tinynumbers
icons/large/toggle2
icons/texture
icons/texture/bats
icons/texture/bigweave
icons/texture/chainmail
icons/texture/cobblestone
icons/texture/crabcan2
icons/texture/crabtweed
icons/texture/dashes
icons/texture/diag2:2
icons/texture/diagweave
icons/texture/eight2
icons/texture/ellipse
icons/texture/escherfish8
icons/texture/fence2
icons/texture/fishes
icons/texture/grey
icons/texture/hex
icons/texture/inversegrey
icons/texture/kapow
icons/texture/money
icons/texture/plaid8:8
icons/texture/small+bighex
icons/texture/smile
icons/texture/spiral
icons/texture/stars

icons/texture/stars1
icons/texture/tweed
icons/texture/tweed+plus2:2
icons/texture/tweed+plus4:4
icons/texture/tweeddish
icons/texture/ubalu2
icons/texture/verbar1:1
icons/texture/verbar2:2
icons/texture/verbar4:4
icons/texture/vibration
icons/texture/weave2
icons/texture/wiggly
include
include/sys/sccsid.h
include/agent.h
include/dmdio.h
include/extern.h
include/global.h
include/key122tab.h
include/keycodes.h
include/layer.h
include/message.h
include/msgs.h
include/quiet.h
include/setup.h
include/ccs/math.h
include/ccs/errno.h
include/ccs/memory.h
include/ccs/string.h
lib
lib/demobin/clock
lib/demolib/ball
lib/demolib/clock
lib/demolib/rose
lib/layersys
lib/layersys/lsys.8;8;5
lib/mc68cpp
lib/mc68ccomz
lib/libm.a
lib/crtm.o
lib/libfw.a
lib/icon.m

icons/texture/texture.icon
icons/texture/tweed+cross
icons/texture/tweed+plus4:3
icons/texture/tweed+plus5:5
icons/texture/ubalu
icons/texture/vampire
icons/texture/verbar1:3
icons/texture/verbar3:1
icons/texture/vertigo
icons/texture/weave
icons/texture/white
icons/texture/yin-yang
include/sys
include/5620.h
include/dmd.h
include/dmdproc.h
include/font.h
include/kbd_proc.h
include/key98tab.h
include/label.h
include/menu.h
include/mpx.h
include/object.h
include/sccsid.h
include/ccs
include/ccs/values.h
include/ccs/ctype.h
include/ccs/signal.h
include/ccs/search.h
lib/demobin
lib/demolib
lib/demolib/bounce
lib/demolib/doodle
lib/demolib/star
lib/layersys/lsys.8;8;?
lib/layersys/lsys.8;8;6
lib/mc68optim
lib/libc.a
lib/libj.a
lib/libjx.a
lib/dmdgetpr
lib/sysint

lib/jim.m
lib/dmdmemory.m
lib/ucache.m
man/src
man/src/p_man/man3
man/src/p_man/man3/addr.3r
man/src/p_man/man3/atof.3l
man/src/p_man/man3/balloc.3r
man/src/p_man/man3/bitblt.3r
man/src/p_man/man3/bputchar.3l
man/src/p_man/man3/btoc.3r
man/src/p_man/man3/cache.3l
man/src/p_man/man3/circle.3l
man/src/p_man/man3/conv.3l
man/src/p_man/man3/cursor.3r
man/src/p_man/man3/drand48.3l
man/src/p_man/man3/ellipse.3l
man/src/p_man/man3/erf.3m
man/src/p_man/man3/exp.3m
man/src/p_man/man3/fontname.3r
man/src/p_man/man3/fontsave.3l
man/src/p_man/man3/fpt.3l
man/src/p_man/man3/gamma.3m
man/src/p_man/man3/getwbuf.3r
man/src/p_man/man3/hypot.3m
man/src/p_man/man3/inset.3r
man/src/p_man/man3/ismpx.3r
man/src/p_man/man3/itrig.3l
man/src/p_man/man3/jellipse.3l
man/src/p_man/man3/jpoint.3l
man/src/p_man/man3/jsegment.3l
man/src/p_man/man3/jtexture.3l
man/src/p_man/man3/keyboard.3l
man/src/p_man/man3/local.3r
man/src/p_man/man3/lsearch.3l
man/src/p_man/man3/matherr.3m
man/src/p_man/man3/menuhit.3l
man/src/p_man/man3/msgbox.3r
man/src/p_man/man3/msgget.3l
man/src/p_man/man3/muldiv.3l
man/src/p_man/man3/norm.3l
man/src/p_man/man3/pfkey.3r
lib/loadfont.m
lib/dmdpi.m
man
man/src/p_man
man/src/p_man/man3/abs.3l
man/src/p_man/man3/alloc.3r
man/src/p_man/man3/attach.3r
man/src/p_man/man3/bessel.3m
man/src/p_man/man3/box.3r
man/src/p_man/man3/bsearch.3l
man/src/p_man/man3/buttons.3r3l
man/src/p_man/man3/canon.3r
man/src/p_man/man3/cmdcache.3l
man/src/p_man/man3/ctype.3l
man/src/p_man/man3/decache.3l
man/src/p_man/man3/ecvt.3l
man/src/p_man/man3/eq.3r
man/src/p_man/man3/exit.3r
man/src/p_man/man3/floor.3m
man/src/p_man/man3/fontrequest.3r
man/src/p_man/man3/fontused.3r
man/src/p_man/man3/frex.3l
man/src/p_man/man3/gcalloc.3r
man/src/p_man/man3/globals.3r
man/src/p_man/man3/infont.3r3l
man/src/p_man/man3/integer.3r
man/src/p_man/man3/itox.3l
man/src/p_man/man3/jcircle.3l
man/src/p_man/man3/jmove.3l
man/src/p_man/man3/jrectf.3l
man/src/p_man/man3/jstring.3l
man/src/p_man/man3/kbdchar.3r
man/src/p_man/man3/labelon.3r
man/src/p_man/man3/lputchar.3l
man/src/p_man/man3/lsqrt.3l
man/src/p_man/man3/memory.3l
man/src/p_man/man3/moveto.3l
man/src/p_man/man3/msgctl.3l
man/src/p_man/man3/msgop.3l
man/src/p_man/man3/newrect.3r
man/src/p_man/man3/peel.3r
man/src/p_man/man3/point.3r

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man/src/p_man/man3/polygon.3l
man/src/p_man/man3/printq.3r
man/src/p_man/man3/pt.3l
man/src/p_man/man3/ptarith.3r
man/src/p_man/man3/qsort.3l
man/src/p_man/man3/rcvchar.3r
man/src/p_man/man3/rectarith.3r
man/src/p_man/man3/rectf.3r
man/src/p_man/man3/resources.3r
man/src/p_man/man3/rol.3l
man/src/p_man/man3/segment.3r
man/src/p_man/man3/setled.3l
man/src/p_man/man3/sinh.3m
man/src/p_man/man3/ssignal.3l
man/src/p_man/man3/str.3l
man/src/p_man/man3/strtol.3l
man/src/p_man/man3/strwidth.3r
man/src/p_man/man3/texture.3r
man/src/p_man/man3/transform.3r3l
man/src/p_man/man3/version.3r
man/src/p_man/man3/window.3l
man/src/p_man/man4/font.4
man/src/p_man/man5/ascii.5
man/src/p_man/man5/values.5
man/src/u_man/man1
man/src/u_man/man1/dmdcc.1
man/src/u_man/man1/dmdd.1
man/src/u_man/man1/dmdmemory.1
man/src/u_man/man1/dmdversion.1
man/src/u_man/man1/jim.1
man/src/u_man/man1/loadfont.1
man/src/u_man/man1/mc68as.1
man/src/u_man/man1/mc68cpp.1
man/src/u_man/man1/mc68dis.1
man/src/u_man/man1/mc68ld.1
man/src/u_man/man1/mc68nm.1
man/src/u_man/man1/mc68strip.1
man/src/u_man/man1/wtinit.1
man/src/makeall
man/u_man
man/u_man/man1/dmdcat.1.z
man/u_man/man1/dmddemo.1
man/src/p_man/man3/printf.3l
man/src/p_man/man3/psendchar.3r
man/src/p_man/man3/pt2win.3l
man/src/p_man/man3/ptinrect.3r
man/src/p_man/man3/rand.3l
man/src/p_man/man3/realttime.3r
man/src/p_man/man3/rectclip.3r
man/src/p_man/man3/rectrect.3r
man/src/p_man/man3/ringbell.3r
man/src/p_man/man3/screenswap.3r
man/src/p_man/man3/sendchar.3r
man/src/p_man/man3/setupval.3r
man/src/p_man/man3/sleep.3r
man/src/p_man/man3/state.3r
man/src/p_man/man3/string.3r
man/src/p_man/man3/structures.3r
man/src/p_man/man3/swab.3l
man/src/p_man/man3/tmenuhit.3r
man/src/p_man/man3/trig.3m
man/src/p_man/man3/whathost.3r
man/src/p_man/man4
man/src/p_man/man5
man/src/p_man/man5/math.5
man/src/u_man
man/src/u_man/man1/dmdcat.1
man/src/u_man/man1/dmddemo.1
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man/src/u_man/man1/jx.1
man/src/u_man/man1/mc68ar.1
man/src/u_man/man1/mc68conv.1
man/src/u_man/man1/mc68cprs.1
man/src/u_man/man1/mc68dump.1
man/src/u_man/man1/mc68lorder.1
man/src/u_man/man1/mc68size.1
man/src/u_man/man1/ucache.1
man/src/an
man/src/makeman
man/u_man/man1
man/u_man/man1/dmdcc.1.z
man/u_man/man1/dmdd.1.z

man/u_man/man1/dmdman.1.z
 man/u_man/man1/dmdpi.1.z
 man/u_man/man1/icon.1.z
 man/u_man/man1/jx.1.z
 man/u_man/man1/mc68ar.1.z
 man/u_man/man1/mc68conv.1.z
 man/u_man/man1/mc68cprs.1.z
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 man/u_man/man1/mc68size.1
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 man/p_man
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 man/p_man/man3/attach.3r.z
 man/p_man/man3/bessel.3m.z
 man/p_man/man3/box.3r.z
 man/p_man/man3/bsearch.3l.z
 man/p_man/man3/buttons.3r3l
 man/p_man/man3/canon.3r
 man/p_man/man3/cmdcache.3l.z
 man/p_man/man3/ctype.3l.z
 man/p_man/man3/decache.3l.z
 man/p_man/man3/ecvt.3l.z
 man/p_man/man3/eq.3r.z
 man/p_man/man3/exit.3r
 man/p_man/man3/floor.3m.z
 man/p_man/man3/fontrequest.3r
 man/p_man/man3/fontused.3r.z
 man/p_man/man3/frexp.3l.z
 man/p_man/man3/gcalloc.3r.z
 man/p_man/man3/globals.3r.z
 man/p_man/man3/infont.3r3l.z
 man/p_man/man3/integer.3r.z
 man/p_man/man3/itox.3l
 man/p_man/man3/jcircle.3l.z
 man/p_man/man3/jmove.3l.z
 man/p_man/man3/jrectf.3l.z
 man/p_man/man3/jstring.3l.z
 man/p_man/man3/kbdchar.3r
 man/p_man/man3/labelon.3r.z
 man/p_man/man3/lputchar.3l.z

man/u_man/man1/dmdmemory.1.z
 man/u_man/man1/dmdversion.1
 man/u_man/man1/jim.1.z
 man/u_man/man1/loadfont.1.z
 man/u_man/man1/mc68as.1.z
 man/u_man/man1/mc68cpp.1.z
 man/u_man/man1/mc68dis.1.z
 man/u_man/man1/mc68ld.1.z
 man/u_man/man1/mc68nm.1.z
 man/u_man/man1/mc68strip.1.z
 man/u_man/man1/wtinit.1
 man/p_man/man3
 man/p_man/man3/addr.3r
 man/p_man/man3/atof.3l
 man/p_man/man3/balloc.3r.z
 man/p_man/man3/bitblt.3r.z
 man/p_man/man3/bputchar.3l.z
 man/p_man/man3/btoc.3r.z
 man/p_man/man3/cache.3l.z
 man/p_man/man3/circle.3l.z
 man/p_man/man3/conv.3l.z
 man/p_man/man3/cursor.3r.z
 man/p_man/man3/drand48.3l.z
 man/p_man/man3/ellipse.3l.z
 man/p_man/man3/erf.3m.z
 man/p_man/man3/exp.3m.z
 man/p_man/man3/fontname.3r.z
 man/p_man/man3/fontsave.3l.z
 man/p_man/man3/fpt.3l.z
 man/p_man/man3/gamma.3m.z
 man/p_man/man3/getwbuf.3r.z
 man/p_man/man3/hypot.3m.z
 man/p_man/man3/inset.3r
 man/p_man/man3/ismpx.3r.z
 man/p_man/man3/itrig.3l
 man/p_man/man3/jellipse.3l.z
 man/p_man/man3/jpoint.3l.z
 man/p_man/man3/jsegment.3l.z
 man/p_man/man3/jtexture.3l.z
 man/p_man/man3/keyboard.3r.z
 man/p_man/man3/local.3r.z
 man/p_man/man3/lsearch.3l.z

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man/p_man/man3/lsqrt.3l
man/p_man/man3/memory.3l.z
man/p_man/man3/moveto.3l.z
man/p_man/man3/msgctl.3l.z
man/p_man/man3/msgop.3l.z
man/p_man/man3/newrect.3r.z
man/p_man/man3/peel.3r.z
man/p_man/man3/point.3r.z
man/p_man/man3/printf.3l.z
man/p_man/man3/psendchar.3r
man/p_man/man3/pt2win.3l.z
man/p_man/man3/ptinrect.3r.z
man/p_man/man3/rand.3l.z
man/p_man/man3/realtime.3r.z
man/p_man/man3/rectclip.3r.z
man/p_man/man3/rectxrect.3r
man/p_man/man3/ringbell.3r.z
man/p_man/man3/screenswap.3r
man/p_man/man3/sendchar.3r.z
man/p_man/man3/setupval.3r.z
man/p_man/man3/sleep.3r
man/p_man/man3/state.3r.z
man/p_man/man3/string.3r.z
man/p_man/man3/structures.3r
man/p_man/man3/swab.3l.z
man/p_man/man3/tmenuhit.3r.z
man/p_man/man3/trig.3m.z
man/p_man/man3/whathost.3r.z
man/p_man/man4
man/p_man/man5
man/p_man/man5/math.5.z
terminfo

man/p_man/man3/matherr.3m.z
man/p_man/man3/menuhit.3l.z
man/p_man/man3/msgbox.3r.z
man/p_man/man3/msgget.3l.z
man/p_man/man3/muldiv.3l.z
man/p_man/man3/norm.3l.z
man/p_man/man3/pfkey.3r.z
man/p_man/man3/polygon.3l.z
man/p_man/man3/printq.3r
man/p_man/man3/pt.3l.z
man/p_man/man3/ptarith.3r.z
man/p_man/man3/qsort.3l.z
man/p_man/man3/rcvchar.3r.z
man/p_man/man3/rectarith.3r
man/p_man/man3/rectf.3r.z
man/p_man/man3/resources.3r
man/p_man/man3/rol.3l
man/p_man/man3/segment.3r
man/p_man/man3/setled.3l
man/p_man/man3/sinh.3m
man/p_man/man3/ssignal.3l.z
man/p_man/man3/str.3l.z
man/p_man/man3/strtol.3l.z
man/p_man/man3/strwidth.3r.z
man/p_man/man3/texture.3r.z
man/p_man/man3/transform.3r3l
man/p_man/man3/version.3r.z
man/p_man/man3/window.3l.z
man/p_man/man4/font.4.z
man/p_man/man5/ascii.5.z
man/p_man/man5/values.5.z
terminfo/630

Binary Tape (3B20 Computer)

The files included on the Software Development Package Binary Tape (9-track) for the 3B20 computer are as follows:

VERSION
bin/dmddc

bin
bin/mc68ar

bin/mc68as
bin/mc68conv
bin/mc68dis
bin/mc68ld
bin/mc68size
bin/dmddemo
bin/dmdld
bin/dmdversion
bin/jx
bin/jimunpack
bin/dmdmemory
bin/ucache
examples
examples/Caching/cache1.c
examples/Caching/cache11.c
examples/Caching/cache13.c
examples/Caching/cache15.c
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termfonts/12x25round
termfonts/7x14thin
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icons/16x16/arrow-b-fat
icons/16x16/arrow-b-med
icons/16x16/arrow-b-wrap
icons/16x16/arrow-cur1
icons/16x16/arrow-cur2
icons/16x16/arrow-from
icons/16x16/arrow-move
icons/16x16/arrow-w-double
icons/16x16/arrow-wrap
icons/16x16/attlogo
icons/16x16/bitblt
icons/16x16/blah
icons/16x16/boundarypad
icons/16x16/btllogo
icons/16x16/bullseye
icons/16x16/bunnyface
icons/16x16/carnegie
icons/16x16/check
icons/16x16/circle
icons/16x16/clock
icons/16x16/coffeecup
icons/16x16/copier
icons/16x16/corner
icons/16x16/cross-p
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icons/16x16/deadflower
icons/16x16/diagmouse

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icons/16x16/arrow-b-double
icons/16x16/arrow-b-fat1
icons/16x16/arrow-b-turn
icons/16x16/arrow-blit
icons/16x16/arrow-cur1move
icons/16x16/arrow-curled
icons/16x16/arrow-into
icons/16x16/arrow-turn
icons/16x16/arrow-w-fat
icons/16x16/attinwlogo
icons/16x16/bell
icons/16x16/blackborder
icons/16x16/boot
icons/16x16/brain
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icons/16x16/bunny
icons/16x16/caret
icons/16x16/champagne
icons/16x16/cinco
icons/16x16/cleanup
icons/16x16/cockmouse
icons/16x16/confirm
icons/16x16/copydisk
icons/16x16/cross-n
icons/16x16/crosshairs
icons/16x16/cup2
icons/16x16/deadmouse
icons/16x16/dice1

icons/16x16/dice2
icons/16x16/dice4
icons/16x16/dice6
icons/16x16/digitalwatch
icons/16x16/dominion2
icons/16x16/drawbox
icons/16x16/drawcaret
icons/16x16/drawcellon
icons/16x16/drawdelwindow
icons/16x16/drawhalfbox
icons/16x16/drawmovewindow
icons/16x16/drawsplitbox
icons/16x16/drawthumb
icons/16x16/ellipse
icons/16x16/father
icons/16x16/flag1
icons/16x16/flower
icons/16x16/ftpcursor
icons/16x16/ftpsquare2
icons/16x16/ghost
icons/16x16/goaway
icons/16x16/grab-open
icons/16x16/grid
icons/16x16/guillotine
icons/16x16/halloween
icons/16x16/hand-smalltalk
icons/16x16/hanukah
icons/16x16/help
icons/16x16/hourglass
icons/16x16/ilovenewyork
icons/16x16/invert
icons/16x16/kitten
icons/16x16/magnify
icons/16x16/mcsquare
icons/16x16/menu1
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icons/16x16/menu2
icons/16x16/menu3
icons/16x16/mit
icons/16x16/mouse
icons/16x16/mousedred
icons/16x16/norges
icons/16x16/dice3
icons/16x16/dice5
icons/16x16/die
icons/16x16/dominion1
icons/16x16/dont
icons/16x16/drawboxthumb
icons/16x16/drawcelloff
icons/16x16/drawcenter
icons/16x16/drawdoublarr
icons/16x16/drawidle
icons/16x16/drawnewwindow
icons/16x16/drawsplitwind
icons/16x16/egg
icons/16x16/eye
icons/16x16/firecracker
icons/16x16/flag2
icons/16x16/frank
icons/16x16/ftpsquare1
icons/16x16/george
icons/16x16/glasses
icons/16x16/grab-closed
icons/16x16/grapes
icons/16x16/groundhog
icons/16x16/gun
icons/16x16/hand
icons/16x16/hand1
icons/16x16/heart
icons/16x16/hook
icons/16x16/hung
icons/16x16/impossifork
icons/16x16/junction
icons/16x16/libcursor
icons/16x16/mayday
icons/16x16/menu
icons/16x16/menu12
icons/16x16/menu13
icons/16x16/menu23
icons/16x16/microscope
icons/16x16/mother
icons/16x16/mouseblue
icons/16x16/mouseyellow
icons/16x16/note1-1

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icons/16x16/note1-4	icons/16x16/note1-8
icons/16x16/ok	icons/16x16/okraplant
icons/16x16/oldcar	icons/16x16/oldcoffeecup
icons/16x16/oops	icons/16x16/pacghost-d
icons/16x16/pacghost-l	icons/16x16/pacghost-r
icons/16x16/pacghost-u	icons/16x16/page
icons/16x16/pageslice	icons/16x16/palm
icons/16x16/paragraph	icons/16x16/paragraph-move
icons/16x16/pen	icons/16x16/phone
icons/16x16/phonecall	icons/16x16/puf
icons/16x16/questionmark1	icons/16x16/questionmark2
icons/16x16/racecar	icons/16x16/readthis
icons/16x16/receive	icons/16x16/saturn1
icons/16x16/saturn2	icons/16x16/scale
icons/16x16/scale1	icons/16x16/scroll
icons/16x16/section	icons/16x16/section-move
icons/16x16/send	icons/16x16/settingsun
icons/16x16/sham	icons/16x16/shear
icons/16x16/ski	icons/16x16/skull
icons/16x16/sleep	icons/16x16/smiley
icons/16x16/softball	icons/16x16/stanford
icons/16x16/startrek	icons/16x16/stretch
icons/16x16/sunset	icons/16x16/sweep
icons/16x16/sweeportrack	icons/16x16/target
icons/16x16/target1	icons/16x16/target3
icons/16x16/tex	icons/16x16/texture
icons/16x16/thumbingcur	icons/16x16/thumbmarker
icons/16x16/thumbmarker1	icons/16x16/thumbsdown
icons/16x16/thumbsup	icons/16x16/tinymouse
icons/16x16/trashcan	icons/16x16/tree
icons/16x16/triangle	icons/16x16/turkey
icons/16x16/vesuvius	icons/16x16/virus
icons/16x16/window-cur	icons/16x16/window-del
icons/16x16/yum	icons/16x16/zot
icons/face48	icons/face48/ICON.LST
icons/face48/acsnet	icons/face48/adm
icons/face48/ap	icons/face48/bart
icons/face48/bbc	icons/face48/bgs
icons/face48/bin	icons/face48/bwk
icons/face48/chaos	icons/face48/cow
icons/face48/daemon	icons/face48/dan

icons/face48/davef
icons/face48/dmr
icons/face48/jdj
icons/face48/ken
icons/face48/mandrill
icons/face48/owl1
icons/face48/owl3
icons/face48/root
icons/face48/sys
icons/face48/unknown
icons/large
icons/large/banana
icons/large/bigswitch2
icons/large/clef
icons/large/cube
icons/large/cube2
icons/large/digital1
icons/large/fourarrows
icons/large/homarauder
icons/large/letters
icons/large/menucursors
icons/large/nosmoking
icons/large/note1-16
icons/large/note1-32
icons/large/note1-8
icons/large/note3-32
icons/large/note3-8
icons/large/pacmen
icons/large/smallclef
icons/large/strawberry
icons/large/switches
icons/large/toggle1
icons/large/toggle3
icons/texture/ICON.LST
icons/texture/bighex
icons/texture/black
icons/texture/checks
icons/texture/crabcan1
icons/texture/crabcan3
icons/texture/darkgrey
icons/texture/diag1:3
icons/texture/diag3:1

icons/face48/dectalk
icons/face48/ecc
icons/face48/jerq
icons/face48/mailerdaemon
icons/face48/ojb
icons/face48/owl2
icons/face48/rob
icons/face48/ross
icons/face48/turkey
icons/face48/uucp
icons/large/ICON.LST
icons/large/bigswitch1
icons/large/boss
icons/large/clef1
icons/large/cube1
icons/large/digital
icons/large/font
icons/large/guitar
icons/large/letter
icons/large/menucursor
icons/large/nfont
icons/large/note1-1
icons/large/note1-2
icons/large/note1-4
icons/large/note3-16
icons/large/note3-4
icons/large/pacman2
icons/large/skull
icons/large/smallclef1
icons/large/sweepcursor
icons/large/tinynumbers
icons/large/toggle2
icons/texture
icons/texture/bats
icons/texture/bigweave
icons/texture/chainmail
icons/texture/cobblestone
icons/texture/crabcan2
icons/texture/crabtweed
icons/texture/dashes
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icons/texture/eight1
icons/texture/el
icons/texture/escherfish16
icons/texture/fence1
icons/texture/fence3
icons/texture/freckles
icons/texture/greysun
icons/texture/horbar1:1
icons/texture/ironcoat
icons/texture/lightgrey
icons/texture/plaid4:4
icons/texture/six
icons/texture/smallhex
icons/texture/snake
icons/texture/squareknot
icons/texture/stars1
icons/texture/tweed
icons/texture/tweed+plus2:2
icons/texture/tweed+plus4:4
icons/texture/tweeddish
icons/texture/ubalu2
icons/texture/verbar1:1
icons/texture/verbar2:2
icons/texture/verbar4:4
icons/texture/vibration
icons/texture/weave2
icons/texture/wiggly
include
include/sys/sccsid.h
include/agent.h
include/dmdio.h
include/extern.h
include/global.h
include/key122tab.h
include/keycodes.h
include/layer.h
include/message.h
include/msgs.h
include/quiet.h
include/setup.h
include/ccs/math.h
include/ccs/errno.h

icons/texture/eight2
icons/texture/ellipse
icons/texture/escherfish8
icons/texture/fence2
icons/texture/fishes
icons/texture/grey
icons/texture/hex
icons/texture/inversegrey
icons/texture/kapow
icons/texture/money
icons/texture/plaid8:8
icons/texture/small+bighex
icons/texture/smile
icons/texture/spiral
icons/texture/stars
icons/texture/texture.icon
icons/texture/tweed+cross
icons/texture/tweed+plus4:3
icons/texture/tweed+plus5:5
icons/texture/ubalu
icons/texture/vampire
icons/texture/verbar1:3
icons/texture/verbar3:1
icons/texture/vertigo
icons/texture/weave
icons/texture/white
icons/texture/yin-yang
include/sys
include/5620.h
include/dmd.h
include/dmdproc.h
include/font.h
include/kbd_proc.h
include/key98tab.h
include/label.h
include/menu.h
include/mpx.h
include/object.h
include/sccsid.h
include/ccs
include/ccs/values.h
include/ccs/ctype.h

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include/ccs/memory.h
include/ccs/string.h
lib
lib/demobin/clock
lib/demolib/ball
lib/demolib/clock
lib/demolib/rose
lib/layersys
lib/layersys/lsys.8;8;5
lib/mc68cpp
lib/mc68ccom
lib/libm.a
lib/crtm.o
lib/libfw.a
lib/icon.m
lib/jim.m
lib/dmdmemory.m
lib/ucache.m
man/src
man/src/p_man/man3
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man/src/p_man/man3/atof.3l
man/src/p_man/man3/balloc.3r
man/src/p_man/man3/bitblt.3r
man/src/p_man/man3/bputchar.3l
man/src/p_man/man3/btoc.3r
man/src/p_man/man3/cache.3l
man/src/p_man/man3/circle.3l
man/src/p_man/man3/conv.3l
man/src/p_man/man3/cursor.3r
man/src/p_man/man3/drاند48.3l
man/src/p_man/man3/ellipse.3l
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man/src/p_man/man3/exp.3m
man/src/p_man/man3/fontname.3r
man/src/p_man/man3/fontsave.3l
man/src/p_man/man3/fpt.3l
man/src/p_man/man3/gamma.3m
man/src/p_man/man3/getwbuf.3r
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man/src/p_man/man3/inset.3r
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include/ccs/signal.h
include/ccs/search.h
lib/demobin
lib/demolib
lib/demolib/bounce
lib/demolib/doodle
lib/demolib/star
lib/layersys/lsys.8;8;?
lib/layersys/lsys.8;8;6
lib/mc68optim
lib/libc.a
lib/libj.a
lib/libjx.a
lib/dmdgetpr
lib/sysint
lib/loadfont.m
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man
man/src/p_man
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man/src/p_man/man3/decache.3l
man/src/p_man/man3/ecvt.3l
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man/src/p_man/man3/integer.3r
man/src/p_man/man3/itox.3l

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man/src/p_man/man3/itrig.3l
man/src/p_man/man3/jellipse.3l
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man/src/p_man/man3/moveto.3l
man/src/p_man/man3/msgctl.3l
man/src/p_man/man3/msgop.3l
man/src/p_man/man3/newrect.3r
man/src/p_man/man3/peel.3r
man/src/p_man/man3/point.3r
man/src/p_man/man3/printf.3l
man/src/p_man/man3/psendchar.3r
man/src/p_man/man3/pt2win.3l
man/src/p_man/man3/ptinrect.3r
man/src/p_man/man3/rand.3l
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man/src/p_man/man3/rectxrect.3r
man/src/p_man/man3/ringbell.3r
man/src/p_man/man3/screenswap.3r
man/src/p_man/man3/sendchar.3r
man/src/p_man/man3/setupval.3r
man/src/p_man/man3/sleep.3r
man/src/p_man/man3/state.3r
man/src/p_man/man3/string.3r
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man/src/makeall
man/u_man
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man/u_man/man1/dmddemo.1.z
man/u_man/man1/dmdman.1.z
man/u_man/man1/dmdpi.1.z
man/u_man/man1/icon.1.z
man/u_man/man1/jx.1.z
man/u_man/man1/mc68ar.1.z
man/u_man/man1/mc68conv.1.z
man/u_man/man1/mc68cprs.1.z
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man/u_man/man1/mc68size.1.z
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man/p_man
man/p_man/man3/abs.3l
man/p_man/man3/alloc.3r.z
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man/p_man/man3/box.3r.z
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man/p_man/man3/ctype.3l.z
man/p_man/man3/decache.3l.z
man/p_man/man3/ecvt.3l.z
man/p_man/man3/eq.3r.z
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man/src/u_man/man1/mc68lorder.1
man/src/u_man/man1/mc68size.1
man/src/u_man/man1/ucache.1
man/src/an
man/src/makeman
man/u_man/man1
man/u_man/man1/dmdcc.1.z
man/u_man/man1/dmld.1.z
man/u_man/man1/dmdmemory.1.z
man/u_man/man1/dmdversion.1
man/u_man/man1/jim.1.z
man/u_man/man1/loadfont.1.z
man/u_man/man1/mc68as.1.z
man/u_man/man1/mc68cpp.1.z
man/u_man/man1/mc68dis.1.z
man/u_man/man1/mc68ld.1.z
man/u_man/man1/mc68nm.1.z
man/u_man/man1/mc68strip.1.z
man/u_man/man1/wtinit.1.z
man/p_man/man3
man/p_man/man3/addr.3r.z
man/p_man/man3/atof.3l.z
man/p_man/man3/balloc.3r.z
man/p_man/man3/bitblt.3r.z
man/p_man/man3/bputchar.3l.z
man/p_man/man3/btoc.3r.z
man/p_man/man3/cache.3l.z
man/p_man/man3/circle.3l.z
man/p_man/man3/conv.3l.z
man/p_man/man3/cursor.3r.z
man/p_man/man3/drand48.3l.z
man/p_man/man3/ellipse.3l.z
man/p_man/man3/erf.3m.z
man/p_man/man3/exp.3m.z
man/p_man/man3/fontname.3r.z

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man/p_man/man3/fontrequest.3r
man/p_man/man3/fontused.3r.z
man/p_man/man3/frexp.3l.z
man/p_man/man3/gcalloc.3r.z
man/p_man/man3/globals.3r.z
man/p_man/man3/infont.3r3l.z
man/p_man/man3/integer.3r.z
man/p_man/man3/itox.3l.z
man/p_man/man3/jcircle.3l.z
man/p_man/man3/jmove.3l.z
man/p_man/man3/jrectf.3l.z
man/p_man/man3/jstring.3l.z
man/p_man/man3/kbdchar.3r.z
man/p_man/man3/labelon.3r.z
man/p_man/man3/lputchar.3l.z
man/p_man/man3/lsqrt.3l
man/p_man/man3/memory.3l.z
man/p_man/man3/moveto.3l.z
man/p_man/man3/msgctl.3l.z
man/p_man/man3/msgop.3l.z
man/p_man/man3/newrect.3r.z
man/p_man/man3/peel.3r.z
man/p_man/man3/point.3r.z
man/p_man/man3/printf.3l.z
man/p_man/man3/psendchar.3r
man/p_man/man3/pt2win.3l.z
man/p_man/man3/ptinrect.3r.z
man/p_man/man3/rand.3l.z
man/p_man/man3/realtime.3r.z
man/p_man/man3/rectclip.3r.z
man/p_man/man3/rectrect.3r
man/p_man/man3/ringbell.3r.z
man/p_man/man3/screenswap.3r
man/p_man/man3/sendchar.3r.z
man/p_man/man3/setupval.3r.z
man/p_man/man3/sleep.3r.z
man/p_man/man3/state.3r.z
man/p_man/man3/string.3r.z
man/p_man/man3/structures.3r
man/p_man/man3/swab.3l.z
man/p_man/man3/tmenuhit.3r.z
man/p_man/man3/trig.3m.z

man/p_man/man3/fontsave.3l.z
man/p_man/man3/fpt.3l.z
man/p_man/man3/gamma.3m.z
man/p_man/man3/getwbuf.3r.z
man/p_man/man3/hypot.3m.z
man/p_man/man3/inset.3r.z
man/p_man/man3/ismpx.3r.z
man/p_man/man3/itrig.3l.z
man/p_man/man3/jellipse.3l.z
man/p_man/man3/jpoint.3l.z
man/p_man/man3/jsegment.3l.z
man/p_man/man3/jtexture.3l.z
man/p_man/man3/keyboard.3r.z
man/p_man/man3/local.3r.z
man/p_man/man3/lsearch.3l.z
man/p_man/man3/matherr.3m.z
man/p_man/man3/menuhit.3l.z
man/p_man/man3/msgbox.3r.z
man/p_man/man3/msgget.3l.z
man/p_man/man3/muldiv.3l.z
man/p_man/man3/norm.3l.z
man/p_man/man3/pfkey.3r.z
man/p_man/man3/polygon.3l.z
man/p_man/man3/printq.3r.z
man/p_man/man3/pt.3l.z
man/p_man/man3/ptarith.3r.z
man/p_man/man3/qsort.3l.z
man/p_man/man3/rcvchar.3r.z
man/p_man/man3/rectarith.3r
man/p_man/man3/rectf.3r.z
man/p_man/man3/resources.3r
man/p_man/man3/rol.3l.z
man/p_man/man3/segment.3r.z
man/p_man/man3/setled.3l.z
man/p_man/man3/sinh.3m.z
man/p_man/man3/ssignal.3l.z
man/p_man/man3/str.3l.z
man/p_man/man3/strtol.3l.z
man/p_man/man3/strwidth.3r.z
man/p_man/man3/texture.3r.z
man/p_man/man3/transform.3r3l
man/p_man/man3/version.3r.z

man/p_man/man3/whathost.3r.z	man/p_man/man3/window.3l.z
man/p_man/man4	man/p_man/man4/font.4.z
man/p_man/man5	man/p_man/man5/ascii.5.z
man/p_man/man5/math.5.z	man/p_man/man5/values.5.z
terminfo	terminfo/630

Source Tape

The 630 MTG Software Development Package Source can be obtained on either 9 track tape or cartridge tape. The files included on the source tape are as follows:

man	man/src
man/src/p_man	man/src/p_man/man3
man/src/p_man/man3/SOURCE	man/src/p_man/man3/abs.3l
man/src/p_man/man3/addr.3r	man/src/p_man/man3/alloc.3r
man/src/p_man/man3/atof.3l	man/src/p_man/man3/attach.3r
man/src/p_man/man3/balloc.3r	man/src/p_man/man3/bessel.3m
man/src/p_man/man3/bitblt.3r	man/src/p_man/man3/box.3r
man/src/p_man/man3/bputchar.3l	man/src/p_man/man3/bsearch.3l
man/src/p_man/man3/btoc.3r	man/src/p_man/man3/buttons.3r3l
man/src/p_man/man3/cache.3l	man/src/p_man/man3/canon.3r
man/src/p_man/man3/circle.3l	man/src/p_man/man3/cmdcache.3l
man/src/p_man/man3/conv.3l	man/src/p_man/man3/ctype.3l
man/src/p_man/man3/cursor.3r	man/src/p_man/man3/decache.3l
man/src/p_man/man3/drand48.3l	man/src/p_man/man3/ecvt.3l
man/src/p_man/man3/ellipse.3l	man/src/p_man/man3/eq.3r
man/src/p_man/man3/erf.3m	man/src/p_man/man3/exit.3r
man/src/p_man/man3/exp.3m	man/src/p_man/man3/floor.3m
man/src/p_man/man3/fontname.3r	man/src/p_man/man3/fontrequest.3r
man/src/p_man/man3/fontsave.3l	man/src/p_man/man3/fontused.3r

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man/src/p_man/man3/ftp.3l
man/src/p_man/man3/gamma.3m
man/src/p_man/man3/getwbuf.3r
man/src/p_man/man3/hypot.3m
man/src/p_man/man3/inset.3r
man/src/p_man/man3/ismpx.3r
man/src/p_man/man3/itrig.3l
man/src/p_man/man3/jellipse.3l
man/src/p_man/man3/jpoint.3l
man/src/p_man/man3/jsegment.3l
man/src/p_man/man3/jtexture.3l
man/src/p_man/man3/keyboard.3r
man/src/p_man/man3/local.3r
man/src/p_man/man3/lsearch.3l
man/src/p_man/man3/matherr.3m
man/src/p_man/man3/menuhit.3l
man/src/p_man/man3/msgbox.3r
man/src/p_man/man3/msgget.3l
man/src/p_man/man3/muldiv.3l
man/src/p_man/man3/norm.3l
man/src/p_man/man3/pfkey.3r
man/src/p_man/man3/polygon.3l
man/src/p_man/man3/printq.3r
man/src/p_man/man3/pt.3l
man/src/p_man/man3/ptarith.3r
man/src/p_man/man3/qsort.3l
man/src/p_man/man3/rcvchar.3r
man/src/p_man/man3/rectarith.3r
man/src/p_man/man3/rectf.3r
man/src/p_man/man3/resources.3r
man/src/p_man/man3/rol.3l
man/src/p_man/man3/segment.3r
man/src/p_man/man3/setled.3l
man/src/p_man/man3/sinh.3m
man/src/p_man/man3/frexp.3l
man/src/p_man/man3/gcalloc.3r
man/src/p_man/man3/globals.3r
man/src/p_man/man3/infont.3r3l
man/src/p_man/man3/integer.3r
man/src/p_man/man3/itox.3l
man/src/p_man/man3/jcircle.3l
man/src/p_man/man3/jmove.3l
man/src/p_man/man3/jrectf.3l
man/src/p_man/man3/jstring.3l
man/src/p_man/man3/kbdchar.3r
man/src/p_man/man3/labelon.3r
man/src/p_man/man3/lputchar.3l
man/src/p_man/man3/lsqrt.3l
man/src/p_man/man3/memory.3l
man/src/p_man/man3/moveto.3l
man/src/p_man/man3/msgctl.3l
man/src/p_man/man3/msgop.3l
man/src/p_man/man3/newrect.3r
man/src/p_man/man3/peel.3r
man/src/p_man/man3/point.3r
man/src/p_man/man3/printf.3l
man/src/p_man/man3/psendchar.3r
man/src/p_man/man3/pt2win.3l
man/src/p_man/man3/ptinrect.3r
man/src/p_man/man3/rand.3l
man/src/p_man/man3/realtime.3r
man/src/p_man/man3/rectclip.3r
man/src/p_man/man3/rectxrect.3r
man/src/p_man/man3/ringbell.3r
man/src/p_man/man3/screenswap.3r
man/src/p_man/man3/sendchar.3r
man/src/p_man/man3/setupval.3r
man/src/p_man/man3/sleep.3r

man/src/p_man/man3/ssignal.3l
man/src/p_man/man3/str.3l
man/src/p_man/man3/strtol.3l
man/src/p_man/man3/strwidth.3r
man/src/p_man/man3/texture.3r
man/src/p_man/man3/transform.3r3l
man/src/p_man/man3/version.3r
man/src/p_man/man3/window.3l
man/src/p_man/man4/SOURCE
man/src/p_man/man5
man/src/p_man/man5/ascii.5
man/src/p_man/man5/values.5
man/src/u_man/man1
man/src/u_man/man1/dmdcat.1
man/src/u_man/man1/dmddemo.1
man/src/u_man/man1/dmdman.1
man/src/u_man/man1/dmdpi.1
man/src/u_man/man1/icon.1
man/src/u_man/man1/jx.1
man/src/u_man/man1/mc68ar.1
man/src/u_man/man1/mc68conv.1
man/src/u_man/man1/mc68cprs.1
man/src/u_man/man1/mc68dump.1
man/src/u_man/man1/mc68lorder.1
man/src/u_man/man1/mc68size.1
man/src/u_man/man1/ucache.1
man/src/SOURCE
man/src/makeall
man/u_man
man/p_man
man/p_man/man4
bin
lib/layersys
lib/layersys/lsys.8;8;5
man/src/p_man/man3/state.3r
man/src/p_man/man3/string.3r
man/src/p_man/man3/structures.3r
man/src/p_man/man3/swab.3l
man/src/p_man/man3/tmenuhit.3r
man/src/p_man/man3/trig.3m
man/src/p_man/man3/whathost.3r
man/src/p_man/man4
man/src/p_man/man4/font.4
man/src/p_man/man5/SOURCE
man/src/p_man/man5/math.5
man/src/u_man
man/src/u_man/man1/SOURCE
man/src/u_man/man1/dmdcc.1
man/src/u_man/man1/dmld.1
man/src/u_man/man1/dmdmemory.1
man/src/u_man/man1/dmdversion.1
man/src/u_man/man1/jim.1
man/src/u_man/man1/loadfont.1
man/src/u_man/man1/mc68as.1
man/src/u_man/man1/mc68cpp.1
man/src/u_man/man1/mc68dis.1
man/src/u_man/man1/mc68ld.1
man/src/u_man/man1/mc68nm.1
man/src/u_man/man1/mc68strip.1
man/src/u_man/man1/wtinit.1
man/src/an
man/src/makeman
man/u_man/man1
man/p_man/man3
man/p_man/man5
lib
lib/layersys/lsys.8;8;?
lib/layersys/lsys.8;8;6

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examples
examples/Caching/SOURCE
examples/Caching/cache10.c
examples/Caching/cache12.c
examples/Caching/cache14.c
examples/Caching/cache16.c
examples/Caching/cache2.c
examples/Caching/cache4.c
examples/Caching/cache6.c
examples/Caching/cache8.c
examples/Fonts
examples/Fonts/font1.c
examples/Fonts/font3.c
examples/GettingStarted/HELLO.c
examples/GettingStarted/arguments.c
examples/GettingStarted/world.h
examples/Graphics/SOURCE
examples/Graphics/screen.c
examples/Jx
examples/Jx/jxmouse.c
examples/Keyboard
examples/Keyboard/kbd1.c
examples/Keyboard/kbd3.c
examples/Keyboard/keys.h
examples/Messages
examples/Messages/messages1.c
examples/Resources
examples/Resources/TrackMouse.c
examples/Resources/type.c
examples/Resources/world.h
examples/UserInterface
examples/UserInterface/Menu2.c
examples/UserInterface/SOURCE
examples/UserInterface/Tmenu2.c

examples/Caching
examples/Caching/cache1.c
examples/Caching/cache11.c
examples/Caching/cache13.c
examples/Caching/cache15.c
examples/Caching/cache17.c
examples/Caching/cache3.c
examples/Caching/cache5.c
examples/Caching/cache7.c
examples/Caching/cache9.c
examples/Fonts/SOURCE
examples/Fonts/font2.c
examples/GettingStarted
examples/GettingStarted/SOURCE
examples/GettingStarted/hello.c
examples/Graphics
examples/Graphics/rotate.h
examples/Graphics/twist.c
examples/Jx/SOURCE
examples/Jx/world.h
examples/Keyboard/SOURCE
examples/Keyboard/kbd2.c
examples/Keyboard/keyrects.h
examples/Keyboard/positions.h
examples/Messages/SOURCE
examples/Messages/messages2.c
examples/Resources/SOURCE
examples/Resources/mouse.c
examples/Resources/vstern1.c
examples/Resources/star.c
examples/UserInterface/Menu1.c
examples/UserInterface/MenuIcons.h
examples/UserInterface/Tmenu1.c
examples/UserInterface/Tmenu3.c

examples/UserInterface/Tmenu4.c
examples/UserInterface/Tmenu6.c
examples/UserInterface/Tmenu8.c
examples/UserInterface/label1.c
examples/UserInterface/label3.c
examples/UserInterface/msgbox2.c
examples/SOURCE
termfonts
termfonts/12x25BOLD
termfonts/12x25round
termfonts/7x14thin
termfonts/noseprint
termfonts/twice_big
icons/16x16
icons/16x16/SOURCE
icons/16x16/aim-n
icons/16x16/arrow-b
icons/16x16/arrow-b-fat
icons/16x16/arrow-b-med
icons/16x16/arrow-b-wrap
icons/16x16/arrow-curl1
icons/16x16/arrow-cur2
icons/16x16/arrow-from
icons/16x16/arrow-move
icons/16x16/arrow-w-double
icons/16x16/arrow-wrap
icons/16x16/attlogo
icons/16x16/bitblt
icons/16x16/blah
icons/16x16/boundarypad
icons/16x16/btllogo
icons/16x16/bullseye
icons/16x16/bunnyface
icons/16x16/carnegie

examples/UserInterface/Tmenu5.c
examples/UserInterface/Tmenu7.c
examples/UserInterface/Tmenu9.c
examples/UserInterface/label2.c
examples/UserInterface/msgbox1.c
examples/README
examples/clock.c
termfonts/12x18norm
termfonts/12x25norm
termfonts/12x25thin
termfonts/SOURCE
termfonts/script
icons
icons/16x16/ICON.LST
icons/16x16/aim
icons/16x16/aim-p
icons/16x16/arrow-b-double
icons/16x16/arrow-b-fat1
icons/16x16/arrow-b-turn
icons/16x16/arrow-blit
icons/16x16/arrow-curl1move
icons/16x16/arrow-curved
icons/16x16/arrow-into
icons/16x16/arrow-turn
icons/16x16/arrow-w-fat
icons/16x16/attinvlogo
icons/16x16/bell
icons/16x16/blackborder
icons/16x16/boot
icons/16x16/brain
icons/16x16/bulb
icons/16x16/bunny
icons/16x16/caret
icons/16x16/champagne

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icons/16x16/check
icons/16x16/circle
icons/16x16/clock
icons/16x16/coffeecup
icons/16x16/copier
icons/16x16/corner
icons/16x16/cross-p
icons/16x16/cup1
icons/16x16/deadflower
icons/16x16/diagmouse
icons/16x16/dice2
icons/16x16/dice4
icons/16x16/dice6
icons/16x16/digitalwatch
icons/16x16/dominion2
icons/16x16/drawbox
icons/16x16/drawcaret
icons/16x16/drawcellon
icons/16x16/drawdelwindow
icons/16x16/drawhalfbox
icons/16x16/drawmovewindow
icons/16x16/drawsplitbox
icons/16x16/drawthumb
icons/16x16/ellipse
icons/16x16/father
icons/16x16/flag1
icons/16x16/flower
icons/16x16/ftpcursor
icons/16x16/ftpsquare2
icons/16x16/ghost
icons/16x16/goaway
icons/16x16/grab-open
icons/16x16/grid
icons/16x16/guillotine
icons/16x16/cinco
icons/16x16/cleanup
icons/16x16/cockmouse
icons/16x16/confirm
icons/16x16/copydisk
icons/16x16/cross-n
icons/16x16/crosshairs
icons/16x16/cup2
icons/16x16/deadmouse
icons/16x16/dice1
icons/16x16/dice3
icons/16x16/dice5
icons/16x16/die
icons/16x16/dominion1
icons/16x16/dont
icons/16x16/drawboxthumb
icons/16x16/drawcelloff
icons/16x16/drawcenter
icons/16x16/drawdoblearr
icons/16x16/drawwide
icons/16x16/drawnewwindow
icons/16x16/drawsplitwind
icons/16x16/egg
icons/16x16/eye
icons/16x16/firecracker
icons/16x16/flag2
icons/16x16/frank
icons/16x16/ftpsquare1
icons/16x16/george
icons/16x16/glasses
icons/16x16/grab-closed
icons/16x16/grapes
icons/16x16/groundhog
icons/16x16/gun

icons/16x16/halloween
icons/16x16/hand-smalltalk
icons/16x16/hanukah
icons/16x16/help
icons/16x16/hourglass
icons/16x16/ilovenewyork
icons/16x16/invert
icons/16x16/kitten
icons/16x16/magnify
icons/16x16/mcsquare
icons/16x16/menu1
icons/16x16/menu123
icons/16x16/menu2
icons/16x16/menu3
icons/16x16/mit
icons/16x16/mouse
icons/16x16/mouserred
icons/16x16/norges
icons/16x16/note1-16
icons/16x16/note1-4
icons/16x16/ok
icons/16x16/oldcar
icons/16x16/oops
icons/16x16/pacghost-l
icons/16x16/pacghost-u
icons/16x16/pageslice
icons/16x16/paragraph
icons/16x16/pen
icons/16x16/phonecall
icons/16x16/questionmark1
icons/16x16/racecar
icons/16x16/receive
icons/16x16/saturn2
icons/16x16/scale1

icons/16x16/hand
icons/16x16/hand1
icons/16x16/heart
icons/16x16/hook
icons/16x16/hung
icons/16x16/impossifork
icons/16x16/junction
icons/16x16/libcursor
icons/16x16/mayday
icons/16x16/menu
icons/16x16/menu12
icons/16x16/menu13
icons/16x16/menu23
icons/16x16/microscope
icons/16x16/mother
icons/16x16/mouseblue
icons/16x16/mouseyellow
icons/16x16/note1-1
icons/16x16/note1-2
icons/16x16/note1-8
icons/16x16/okraplant
icons/16x16/oldcoffeecup
icons/16x16/pacghost-d
icons/16x16/pacghost-r
icons/16x16/page
icons/16x16/palm
icons/16x16/paragraph-move
icons/16x16/phone
icons/16x16/puf
icons/16x16/questionmark2
icons/16x16/readthis
icons/16x16/saturn1
icons/16x16/scale
icons/16x16/scroll

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icons/16x16/section
icons/16x16/send
icons/16x16/sham
icons/16x16/ski
icons/16x16/sleep
icons/16x16/softball
icons/16x16/startrek
icons/16x16/sunset
icons/16x16/sweeportrack
icons/16x16/target1
icons/16x16/tex
icons/16x16/thumbingcur
icons/16x16/thumbmarker1
icons/16x16/thumbsup
icons/16x16/trashcan
icons/16x16/triangle
icons/16x16/vesuvius
icons/16x16/window-cur
icons/16x16/yum
icons/face48
icons/face48/SOURCE
icons/face48/adm
icons/face48/bart
icons/face48/bgs
icons/face48/bwk
icons/face48/cow
icons/face48/dan
icons/face48/dectalk
icons/face48/ecc
icons/face48/jerq
icons/face48/mailerdaemon
icons/face48/ojb
icons/face48/owl2
icons/face48/rob
icons/16x16/section-move
icons/16x16/settingsun
icons/16x16/shear
icons/16x16/skull
icons/16x16/smiley
icons/16x16/stanford
icons/16x16/stretch
icons/16x16/sweep
icons/16x16/target
icons/16x16/target3
icons/16x16/texture
icons/16x16/thumbmarker
icons/16x16/thumbsdown
icons/16x16/tinymouse
icons/16x16/tree
icons/16x16/turkey
icons/16x16/virus
icons/16x16/window-del
icons/16x16/zot
icons/face48/ICON.LST
icons/face48/acsnet
icons/face48/ap
icons/face48/bbc
icons/face48/bin
icons/face48/chaos
icons/face48/daemon
icons/face48/davef
icons/face48/dmr
icons/face48/jdj
icons/face48/ken
icons/face48/mandrill
icons/face48/owl1
icons/face48/owl3
icons/face48/root

icons/face48/ross
icons/face48/turkey
icons/face48/uucp
icons/large/ICON.LST
icons/large/banana
icons/large/bigswitch2
icons/large/clef
icons/large/cube
icons/large/cube2
icons/large/digital1
icons/large/fourarrows
icons/large/homarauder
icons/large/letters
icons/large/menucursors
icons/large/nosmoking
icons/large/note1-16
icons/large/note1-32
icons/large/note1-8
icons/large/note3-32
icons/large/note3-8
icons/large/pacmen
icons/large/smallclef
icons/large/strawberry
icons/large/switches
icons/large/toggle1
icons/large/toggle3
icons/texture/ICON.LST
icons/texture/bats
icons/texture/bigweave
icons/texture/chainmail
icons/texture/cobblestone
icons/texture/crabcan2
icons/texture/crabtweed
icons/texture/dashes

icons/face48/sys
icons/face48/unknown
icons/large
icons/large/SOURCE
icons/large/bigswitch1
icons/large/boss
icons/large/clef1
icons/large/cube1
icons/large/digital
icons/large/font
icons/large/guitar
icons/large/letter
icons/large/menucursor
icons/large/nfont
icons/large/note1-1
icons/large/note1-2
icons/large/note1-4
icons/large/note3-16
icons/large/note3-4
icons/large/pacman2
icons/large/skull
icons/large/smallclef1
icons/large/sweepcursor
icons/large/tinynumbers
icons/large/toggle2
icons/texture
icons/texture/SOURCE
icons/texture/bighex
icons/texture/black
icons/texture/checks
icons/texture/crabcan1
icons/texture/crabcan3
icons/texture/darkgrey
icons/texture/diag1:3

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icons/texture/diag2:2
icons/texture/diagweave
icons/texture/eight2
icons/texture/ellipse
icons/texture/escherfish8
icons/texture/fence2
icons/texture/fishes
icons/texture/grey
icons/texture/hex
icons/texture/inversegrey
icons/texture/kapow
icons/texture/money
icons/texture/plaid8:8
icons/texture/small+bighex
icons/texture/smile
icons/texture/spiral
icons/texture/stars
icons/texture/texture.icon
icons/texture/tweed+cross
icons/texture/tweed+plus4:3
icons/texture/tweed+plus5:5
icons/texture/ubalu
icons/texture/vampire
icons/texture/verbar1:3
icons/texture/verbar3:1
icons/texture/vertigo
icons/texture/weave
icons/texture/white
icons/texture/yin-yang
src/ccs
src/ccs/cmd/sgs
src/ccs/cmd/sgs/ar/common
src/ccs/cmd/sgs/ar/mc68
src/ccs/cmd/sgs/as

icons/texture/diag3:1
icons/texture/eight1
icons/texture/el
icons/texture/escherfish16
icons/texture/fence1
icons/texture/fence3
icons/texture/freckles
icons/texture/greysun
icons/texture/horbar1:1
icons/texture/ironcoat
icons/texture/lightgrey
icons/texture/plaid4:4
icons/texture/six
icons/texture/smallhex
icons/texture/snake
icons/texture/squareknot
icons/texture/stars1
icons/texture/tweed
icons/texture/tweed+plus2:2
icons/texture/tweed+plus4:4
icons/texture/tweeddish
icons/texture/ubalu2
icons/texture/verbar1:1
icons/texture/verbar2:2
icons/texture/verbar4:4
icons/texture/vibration
icons/texture/weave2
icons/texture/wiggly
src
src/ccs/cmd
src/ccs/cmd/sgs/ar
src/ccs/cmd/sgs/ar/common/ar.c
src/ccs/cmd/sgs/ar/mc68/makefile
src/ccs/cmd/sgs/as/common

src/ccs/cmd/sgs/as/common/addr1.c
src/ccs/cmd/sgs/as/common/codeout.c
src/ccs/cmd/sgs/as/common/errors.c
src/ccs/cmd/sgs/as/common/expand1.c
src/ccs/cmd/sgs/as/common/instab.c
src/ccs/cmd/sgs/as/common/pass0.c
src/ccs/cmd/sgs/as/common/pass2.c
src/ccs/cmd/sgs/as/common/symbols.c
src/ccs/cmd/sgs/as/common/symbols1.c
src/ccs/cmd/sgs/as/common/symlist.c
src/ccs/cmd/sgs/as/mc68/addr2.c
src/ccs/cmd/sgs/as/mc68/expand2.h
src/ccs/cmd/sgs/as/mc68/gendefs.h
src/ccs/cmd/sgs/as/mc68/parse.y
src/ccs/cmd/sgs/as/mc68/symbols2.h
src/ccs/cmd/sgs/as/mc68/makefile
src/ccs/cmd/sgs/lorder
src/ccs/cmd/sgs/lorder/mc68/lorder.sh
src/ccs/cmd/sgs/convert
src/ccs/cmd/sgs/convert/common/appl.c
src/ccs/cmd/sgs/convert/common/convert.c
src/ccs/cmd/sgs/convert/common/getargs.c
src/ccs/cmd/sgs/convert/common/openobject.c
src/ccs/cmd/sgs/convert/mc68
src/ccs/cmd/sgs/cpp
src/ccs/cmd/sgs/cpp/common/:rofix
src/ccs/cmd/sgs/cpp/common/cpp.c
src/ccs/cmd/sgs/cpp/common/yylex.c
src/ccs/cmd/sgs/cpp/mc68/makefile
src/ccs/cmd/sgs/compress/common
src/ccs/cmd/sgs/compress/common/pass2.c
src/ccs/cmd/sgs/compress/mc68
src/ccs/cmd/sgs/dis
src/ccs/cmd/sgs/dis/common/dis_extn.c
src/ccs/cmd/sgs/as/common/code.c
src/ccs/cmd/sgs/as/common/codeout.h
src/ccs/cmd/sgs/as/common/expand.h
src/ccs/cmd/sgs/as/common/getstab.c
src/ccs/cmd/sgs/as/common/obj.c
src/ccs/cmd/sgs/as/common/pass1.c
src/ccs/cmd/sgs/as/common/strings.c
src/ccs/cmd/sgs/as/common/symbols.h
src/ccs/cmd/sgs/as/common/symbols2.c
src/ccs/cmd/sgs/as/mc68
src/ccs/cmd/sgs/as/mc68/expand2.c
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src/ccs/cmd/sgs/as/mc68/instab.h
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src/ccs/cmd/sgs/as/mc68/systems.h
src/ccs/cmd/sgs/as/mc68/ops.out
src/ccs/cmd/sgs/lorder/mc68
src/ccs/cmd/sgs/lorder/mc68/makefile
src/ccs/cmd/sgs/convert/common
src/ccs/cmd/sgs/convert/common/conv.h
src/ccs/cmd/sgs/convert/common/fcns.c
src/ccs/cmd/sgs/convert/common/main.c
src/ccs/cmd/sgs/convert/common/util.c
src/ccs/cmd/sgs/convert/mc68/makefile
src/ccs/cmd/sgs/cpp/common
src/ccs/cmd/sgs/cpp/common/:yyfix
src/ccs/cmd/sgs/cpp/common/cpy.y
src/ccs/cmd/sgs/cpp/mc68
src/ccs/cmd/sgs/compress
src/ccs/cmd/sgs/compress/common/pass1.c
src/ccs/cmd/sgs/compress/common/tagitem.h
src/ccs/cmd/sgs/compress/mc68/makefile
src/ccs/cmd/sgs/dis/common
src/ccs/cmd/sgs/dis/common/dis_main.c

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src/ccs/cmd/sgs/dis/common/dis_utls.c
src/ccs/cmd/sgs/dis/common/structs.h
src/ccs/cmd/sgs/dis/mc68/dis.h
src/ccs/cmd/sgs/dis/mc68/text_dis.c
src/ccs/cmd/sgs/dump/common
src/ccs/cmd/sgs/dump/common/fcns.c
src/ccs/cmd/sgs/dump/common/flagdefs.h
src/ccs/cmd/sgs/dump/common/openobject.c
src/ccs/cmd/sgs/dump/common/process.h
src/ccs/cmd/sgs/dump/mc68
src/ccs/cmd/sgs/ld
src/ccs/cmd/sgs/ld/common/alloc.c
src/ccs/cmd/sgs/ld/common/expr0.c
src/ccs/cmd/sgs/ld/common/extrns.h
src/ccs/cmd/sgs/ld/common/gmatch.c
src/ccs/cmd/sgs/ld/common/instr.h
src/ccs/cmd/sgs/ld/common/ld.yac
src/ccs/cmd/sgs/ld/common/ld01.c
src/ccs/cmd/sgs/ld/common/ld2.c
src/ccs/cmd/sgs/ld/common/ldtv.h
src/ccs/cmd/sgs/ld/common/lists.c
src/ccs/cmd/sgs/ld/common/output.c
src/ccs/cmd/sgs/ld/common/slotvec.c
src/ccs/cmd/sgs/ld/common/structs.h
src/ccs/cmd/sgs/ld/common/tv.c
src/ccs/cmd/sgs/ld/common/version.c
src/ccs/cmd/sgs/ld/mc68/makefile
src/ccs/cmd/sgs/ld/mc68/sglobs.c
src/ccs/cmd/sgs/ld/mc68/special2.c
src/ccs/cmd/sgs/ld/mc68/system.h
src/ccs/cmd/sgs/nm/common
src/ccs/cmd/sgs/nm/common/decoctype.h
src/ccs/cmd/sgs/nm/common/fcns.c
src/ccs/cmd/sgs/nm/common/process.c
src/ccs/cmd/sgs/dis/common/lists.c
src/ccs/cmd/sgs/dis/mc68
src/ccs/cmd/sgs/dis/mc68/makefile
src/ccs/cmd/sgs/dump
src/ccs/cmd/sgs/dump/common/dumpmap.h
src/ccs/cmd/sgs/dump/common/filedefs.h
src/ccs/cmd/sgs/dump/common/main.c
src/ccs/cmd/sgs/dump/common/process.c
src/ccs/cmd/sgs/dump/common/setflags.c
src/ccs/cmd/sgs/dump/mc68/makefile
src/ccs/cmd/sgs/ld/common
src/ccs/cmd/sgs/ld/common/attributes.h
src/ccs/cmd/sgs/ld/common/expr1.c
src/ccs/cmd/sgs/ld/common/globs.c
src/ccs/cmd/sgs/ld/common/instr.c
src/ccs/cmd/sgs/ld/common/ld.lex
src/ccs/cmd/sgs/ld/common/ld00.c
src/ccs/cmd/sgs/ld/common/ld1.c
src/ccs/cmd/sgs/ld/common/ldmacros.h
src/ccs/cmd/sgs/ld/common/list.h
src/ccs/cmd/sgs/ld/common/maps.c
src/ccs/cmd/sgs/ld/common/regions.c
src/ccs/cmd/sgs/ld/common/slotvec.h
src/ccs/cmd/sgs/ld/common/syms.c
src/ccs/cmd/sgs/ld/common/util.c
src/ccs/cmd/sgs/ld/mc68
src/ccs/cmd/sgs/ld/mc68/params.h
src/ccs/cmd/sgs/ld/mc68/special1.c
src/ccs/cmd/sgs/ld/mc68/specsyms.c
src/ccs/cmd/sgs/nm
src/ccs/cmd/sgs/nm/common/decoctype.c
src/ccs/cmd/sgs/nm/common/defs.h
src/ccs/cmd/sgs/nm/common/main.c
src/ccs/cmd/sgs/nm/common/prosym.c

src/ccs/cmd/sgs/nm/common/prosym.h
src/ccs/cmd/sgs/nm/mc68
src/ccs/cmd/sgs/optim
src/ccs/cmd/sgs/optim/common/inter.c
src/ccs/cmd/sgs/optim/common/optim.h
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src/ccs/cmd/sgs/optim/mc68/mipsup.c
src/ccs/cmd/sgs/optim/mc68/optab.awk
src/ccs/cmd/sgs/optim/mc68/optab.head
src/ccs/cmd/sgs/optim/mc68/peep.c
src/ccs/cmd/sgs/optim/mc68/rand.h
src/ccs/cmd/sgs/optim/mc68/vtrace.c
src/ccs/cmd/sgs/pcc2/common
src/ccs/cmd/sgs/pcc2/common/cgen.c
src/ccs/cmd/sgs/pcc2/common/comm1.c
src/ccs/cmd/sgs/pcc2/common/cost.c
src/ccs/cmd/sgs/pcc2/common/match.c
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src/ccs/cmd/sgs/pcc2/common/pftn.c
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src/ccs/cmd/sgs/pcc2/mc68/local2.c
src/ccs/cmd/sgs/pcc2/mc68/makefile
src/ccs/cmd/sgs/pcc2/mc68/stin
src/ccs/cmd/sgs/size/common
src/ccs/cmd/sgs/size/common/fcns.c
src/ccs/cmd/sgs/size/common/process.c
src/ccs/cmd/sgs/size/mc68
src/ccs/cmd/sgs/strip
src/ccs/cmd/sgs/strip/common/buildfcns.c
src/ccs/cmd/sgs/strip/common/checkflags.c
src/ccs/cmd/sgs/strip/common/defs.h
src/ccs/cmd/sgs/nm/common/setflags.c
src/ccs/cmd/sgs/nm/mc68/makefile
src/ccs/cmd/sgs/optim/common
src/ccs/cmd/sgs/optim/common/optim.c
src/ccs/cmd/sgs/optim/mc68
src/ccs/cmd/sgs/optim/mc68/makefile
src/ccs/cmd/sgs/optim/mc68/ops.h
src/ccs/cmd/sgs/optim/mc68/optab.base
src/ccs/cmd/sgs/optim/mc68/parse.c
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src/ccs/cmd/sgs/optim/mc68/scan.c
src/ccs/cmd/sgs/pcc2
src/ccs/cmd/sgs/pcc2/common/allo.c
src/ccs/cmd/sgs/pcc2/common/cgram.y
src/ccs/cmd/sgs/pcc2/common/common
src/ccs/cmd/sgs/pcc2/common/manifest.h
src/ccs/cmd/sgs/pcc2/common/mfile1.h
src/ccs/cmd/sgs/pcc2/common/optim.c
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src/ccs/cmd/sgs/pcc2/common/sty.y
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src/ccs/cmd/sgs/pcc2/mc68/sdb.h
src/ccs/cmd/sgs/size
src/ccs/cmd/sgs/size/common/defs.h
src/ccs/cmd/sgs/size/common/main.c
src/ccs/cmd/sgs/size/common/process.h
src/ccs/cmd/sgs/size/mc68/makefile
src/ccs/cmd/sgs/strip/common
src/ccs/cmd/sgs/strip/common/buildtmp.c
src/ccs/cmd/sgs/strip/common/copytmp.c
src/ccs/cmd/sgs/strip/common/fcns.c

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```
src/ccs/cmd/sgs/strip/common/main.c
src/ccs/cmd/sgs/strip/common/setflags.c
src/ccs/cmd/sgs/strip/mc68/makefile
src/ccs/cmd/sgs/inc/mc68
src/ccs/cmd/sgs/inc/mc68/values.h
src/ccs/cmd/sgs/inc/mc68/paths.h
src/ccs/cmd/sgs/inc/mc68/tv.h
src/ccs/cmd/sgs/inc/common/ctype.h
src/ccs/cmd/sgs/inc/common/signal.h
src/ccs/cmd/sgs/inc/common/search.h
src/ccs/cmd/sgs/inc/common/bool.h
src/ccs/lib
src/ccs/lib/lib/mc68
src/ccs/lib/lib/mc68/crt/addmag.c
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src/ccs/lib/lib/mc68/crt/massage.sed
src/ccs/lib/lib/mc68/crt/cerror.s.32
src/ccs/lib/lib/mc68/crt/lmul.s
src/ccs/lib/lib/mc68/gen
src/ccs/lib/lib/mc68/gen/atof.c
src/ccs/lib/lib/mc68/gen/atol.c
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src/ccs/lib/lib/mc68/gen/lsearch.c
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src/ccs/cmd/sgs/strip/mc68
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src/ccs/cmd/sgs/inc/mc68/math.h
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src/ccs/lib/libc/mc68/crt/cerror.s.16
src/ccs/lib/libc/mc68/crt/ldiv.s
src/ccs/lib/libc/mc68/crt/mcount.s
src/ccs/lib/libc/mc68/gen/abs.c
src/ccs/lib/libc/mc68/gen/atoi.c
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src/ccs/lib/libc/mc68/gen/drand48.c
src/ccs/lib/libc/mc68/gen/fakcu.c
src/ccs/lib/libc/mc68/gen/getopt.c
src/ccs/lib/libc/mc68/gen/makefile
```


src/ccs/lib/libc/mc68/gen/memccpy.c
src/ccs/lib/libc/mc68/gen/memcmp.c
src/ccs/lib/libc/mc68/gen/memset.c
src/ccs/lib/libc/mc68/gen/rand.c
src/ccs/lib/libc/mc68/gen/strcat.c
src/ccs/lib/libc/mc68/gen/strcmp.c
src/ccs/lib/libc/mc68/gen/strcspn.c
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src/ccs/lib/libc/mc68/gen/strncpy.c
src/ccs/lib/libc/mc68/gen/strchr.c
src/ccs/lib/libc/mc68/gen/strtok.c
src/ccs/lib/libc/mc68/gen/swab.c
src/ccs/lib/libc/mc68/gen/toupper.c
src/ccs/lib/libc/mc68/SOURCE
src/ccs/lib/libm
src/ccs/lib/libm/atan.c
src/ccs/lib/libm/exp.c
src/ccs/lib/libm/floor.c
src/ccs/lib/libm/gamma.c
src/ccs/lib/libm/j0.c
src/ccs/lib/libm/jn.c
src/ccs/lib/libm/makefile
src/ccs/lib/libm/pow.c
src/ccs/lib/libm/sinh.c
src/ccs/lib/libm/tan.c
src/ccs/SOURCE
src/ccs/archtst.c
src/lib/libj
src/lib/libj/SOURCE
src/lib/libj/Pt.c
src/lib/libj/atan2.c
src/lib/libj/cache.c
src/lib/libj/clipfix.c
src/lib/libj/cmdcache.c

src/ccs/lib/libc/mc68/gen/memchr.c
src/ccs/lib/libc/mc68/gen/memcpy.c
src/ccs/lib/libc/mc68/gen/qsort.c
src/ccs/lib/libc/mc68/gen/ssignal.c
src/ccs/lib/libc/mc68/gen/strchr.c
src/ccs/lib/libc/mc68/gen/strcpy.c
src/ccs/lib/libc/mc68/gen/strlen.c
src/ccs/lib/libc/mc68/gen/strncmp.c
src/ccs/lib/libc/mc68/gen/strpbrk.c
src/ccs/lib/libc/mc68/gen/strspn.c
src/ccs/lib/libc/mc68/gen/strtol.c
src/ccs/lib/libc/mc68/gen/tolower.c
src/ccs/lib/libc/mc68/gen/tsearch.c
src/ccs/lib/libc/mc68/makefile
src/ccs/lib/libm/asin.c
src/ccs/lib/libm/erf.c
src/ccs/lib/libm/fabs.c
src/ccs/lib/libm/fmod.c
src/ccs/lib/libm/hypot.c
src/ccs/lib/libm/j1.c
src/ccs/lib/libm/log.c
src/ccs/lib/libm/matherr.c
src/ccs/lib/libm/sin.c
src/ccs/lib/libm/sqrt.c
src/ccs/lib/libm/tanh.c
src/ccs/makefile
src/lib
src/lib/libj/makefile
src/lib/libj/Jrect.c
src/lib/libj/arc.c
src/lib/libj/bputchar.c
src/lib/libj/circle.c
src/lib/libj/cosdeg.c
src/lib/libj/disc.c

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```
src/lib/libj/discture.c
src/lib/libj/elarc.c
src/lib/libj/eldiscture.c
src/lib/libj/ferror.c
src/lib/libj/gcalloc.c
src/lib/libj/infont.c
src/lib/libj/jarc.c
src/lib/libj/jdisc.c
src/lib/libj/jeldisc.c
src/lib/libj/lalloc.c
src/lib/libj/masks.c
src/lib/libj/message.c
src/lib/libj/point2win.c
src/lib/libj/printf.c
src/lib/libj/setLED.c
src/lib/libj/sqrt.c
src/lib/libj/whathost.c
src/lib/startup
src/lib/startup/SOURCE
src/lib/libjx
src/lib/libjx/SOURCE
src/lib/libjx/comm.c
src/lib/libjx/doprnt.c
src/lib/libjx/fgets.c
src/lib/libjx/get.c
src/lib/libjx/lprintf.c
src/lib/libjx/printf.c
src/lib/libjx/rdwr.c
src/lib/libjx/sprintf.c
src/lib/libfw/makefile
src/lib/libfw/vt.s
src/lib/libfw/Cursinhibi.s
src/lib/libfw/Iceil.s
src/lib/libfw/abs.s
src/lib/libj/doprnt.c
src/lib/libj/eldisc.c
src/lib/libj/ellipse.c
src/lib/libj/font.c
src/lib/libj/icons.c
src/lib/libj/itoc.c
src/lib/libj/jcircle.c
src/lib/libj/jelarc.c
src/lib/libj/jellipse.c
src/lib/libj/lputchar.c
src/lib/libj/menu.c
src/lib/libj/moveto.c
src/lib/libj/polyf.c
src/lib/libj/rol.c
src/lib/libj/setjwin.c
src/lib/libj/user.c
src/lib/libj/window.c
src/lib/startup/makefile
src/lib/startup/crtm.s
src/lib/libjx/makefile
src/lib/libjx/bprintf.c
src/lib/libjx/data.c
src/lib/libjx/exit.c
src/lib/libjx/fopen.c
src/lib/libjx/getfont.c
src/lib/libjx/popen.c
src/lib/libjx/put.c
src/lib/libjx/smprintf.c
src/lib/libfw
src/lib/libfw/SOURCE
src/lib/libfw/Cursallow.s
src/lib/libfw/Cursswitch.s
src/lib/libfw/lfloor.s
src/lib/libfw/acia_reset.s
```

src/lib/libfw/add.s
src/lib/libfw/addr.s
src/lib/libfw/alloc.s
src/lib/libfw/allocset.s
src/lib/libfw/balloc.s
src/lib/libfw/bitblt.s
src/lib/libfw/box.s
src/lib/libfw/canon.s
src/lib/libfw/challoc.s
src/lib/libfw/cursallow.s
src/lib/libfw/cursset.s
src/lib/libfw/cursxyoff.s
src/lib/libfw/del_msqid.s
src/lib/libfw/div.s
src/lib/libfw/downback.s
src/lib/libfw/enterget.s
src/lib/libfw/eqpt.s
src/lib/libfw/exit.s
src/lib/libfw/ffree.s
src/lib/libfw/findobj.s
src/lib/libfw/fontname.s
src/lib/libfw/fontreleas.s
src/lib/libfw/fontused.s
src/lib/libfw/free_msqid.s
src/lib/libfw/gcfree.s
src/lib/libfw/getnchars.s
src/lib/libfw/greymore.s
src/lib/libfw/ismpx.s
src/lib/libfw/jstrwidth.s
src/lib/libfw/labelicon.s
src/lib/libfw/labelon.s
src/lib/libfw/last_windo.s
src/lib/libfw/local.s
src/lib/libfw/lpoint.s
src/lib/libfw/add_msqid.s
src/lib/libfw/alarm.s
src/lib/libfw/allocown.s
src/lib/libfw/attach.s
src/lib/libfw/bfree.s
src/lib/libfw/bootmux.s
src/lib/libfw/bttns.s
src/lib/libfw/clipbtt.s
src/lib/libfw/chgalloc.s
src/lib/libfw/cursinhibi.s
src/lib/libfw/cursswitch.s
src/lib/libfw/cursxyon.s
src/lib/libfw/delete.s
src/lib/libfw/dorequest.s
src/lib/libfw/emptyoutq.s
src/lib/libfw/enterput.s
src/lib/libfw/eqrect.s
src/lib/libfw/f_cache.s
src/lib/libfw/findfont.s
src/lib/libfw/fontfont.s
src/lib/libfw/fontname.s
src/lib/libfw/fontreques.s
src/lib/libfw/free.s
src/lib/libfw/gcallocown.s
src/lib/libfw/getchar.s
src/lib/libfw/getwbuf.s
src/lib/libfw/inset.s
src/lib/libfw/itoc.s
src/lib/libfw/kbdchar.s
src/lib/libfw/labeloff.s
src/lib/libfw/labeltext.s
src/lib/libfw/lbitblt.s
src/lib/libfw/locproc.s
src/lib/libfw/lrectf.s

RELEASE FORMAT

src/lib/libfw/lsegment.s
src/lib/libfw/max.s
src/lib/libfw/memtest.s
src/lib/libfw/minnewrect.s
src/lib/libfw/movrect.s
src/lib/libfw/mul.s
src/lib/libfw/newrect.s
src/lib/libfw/newproc.s
src/lib/libfw/nonmuxload.s
src/lib/libfw/olyload.s
src/lib/libfw/own.s
src/lib/libfw/pfkey.s
src/lib/libfw/point.s
src/lib/libfw/proclayer.s
src/lib/libfw/psendnchar.s
src/lib/libfw/putwbuf.s
src/lib/libfw/rcvchar.s
src/lib/libfw/realalloc.s
src/lib/libfw/realgcallo.s
src/lib/libfw/rectXrect.s
src/lib/libfw/rectf.s
src/lib/libfw/reqobj.s
src/lib/libfw/reshape.s
src/lib/libfw/rsubp.s
src/lib/libfw/segment.s
src/lib/libfw/sendnchars.s
src/lib/libfw/set_msg_wa.s
src/lib/libfw/setVal.s
src/lib/libfw/sleep.s
src/lib/libfw/spl1.s
src/lib/libfw/spl3.s
src/lib/libfw/spl5.s
src/lib/libfw/spl7.s
src/lib/libfw/string.s

src/lib/libfw/lttexture.s
src/lib/libfw/memcpy.s
src/lib/libfw/min.s
src/lib/libfw/move.s
src/lib/libfw/msgbox.s
src/lib/libfw/nap.s
src/lib/libfw/newmore.s
src/lib/libfw/newwindow.s
src/lib/libfw/objused.s
src/lib/libfw/outqavail.s
src/lib/libfw/peel.s
src/lib/libfw/pfkeyset.s
src/lib/libfw/printqclea.s
src/lib/libfw/psendchar.s
src/lib/libfw/ptinrect.s
src/lib/libfw/raddp.s
src/lib/libfw/rcvnchars.s
src/lib/libfw/realcache.s
src/lib/libfw/realtime.s
src/lib/libfw/rectclip.s
src/lib/libfw/reqkbdID.s
src/lib/libfw/request.s
src/lib/libfw/ringbell.s
src/lib/libfw/screenswap.s
src/lib/libfw/sendchar.s
src/lib/libfw/sendtokbd.s
src/lib/libfw/setupval.s
src/lib/libfw/showerror.s
src/lib/libfw/spl0.s
src/lib/libfw/spl2.s
src/lib/libfw/spl4.s
src/lib/libfw/spl6.s
src/lib/libfw/splx.s
src/lib/libfw/strlen.s

src/lib/libfw/strwidth.s
src/lib/libfw/sw.s
src/lib/libfw/tell_except.s
src/lib/libfw/tm_ret.s
src/lib/libfw/tolayer.s
src/lib/libfw/transform.s
src/lib/libfw/unreqcache.s
src/lib/libfw/unrequest.s
src/lib/libfw/upproc.s
src/lib/libfw/wait.s
src/lib/libfw/whichlayer.s
src/lib/libfw/xpsendchar.s
src/jim
src/jim/SOURCE
src/jim/host/makefile
src/jim/host/alloc.c
src/jim/host/file.h
src/jim/host/jim.c
src/jim/host/msgs.c
src/jim/host/pattern.c
src/jim/host/unix.c
src/jim/frame
src/jim/frame/SOURCE
src/jim/frame/fralloc.c
src/jim/frame/frameop.c
src/jim/frame/ptofchar.c
src/jim/term/makefile
src/jim/term/frame.c
src/jim/term/jim.h
src/jim/term/menu.c
src/jim/term/msgs.c
src/jim/term/rpf.c
src/dmdpi
src/dmdpi/dmdpi/SOURCE

src/lib/libfw/sub.s
src/lib/libfw/sysctl.s
src/lib/libfw/texture.s
src/lib/libfw/tmenuhit.s
src/lib/libfw/toproc.s
src/lib/libfw/uncache.s
src/lib/libfw/unreqobj.s
src/lib/libfw/upfront.s
src/lib/libfw/version.s
src/lib/libfw/whathost.s
src/lib/libfw/whichproc.s
src/lib/libfw/xpsendncha.s
src/jim/makefile
src/jim/host
src/jim/host/SOURCE
src/jim/host/file.c
src/jim/host/gcalloc.c
src/jim/host/jim.h
src/jim/host/msgs.h
src/jim/host/string.c
src/jim/host/jimunpack.sh
src/jim/frame/makefile
src/jim/frame/deltext.c
src/jim/frame/frame.h
src/jim/frame/instruct.c
src/jim/term
src/jim/term/SOURCE
src/jim/term/frame.h
src/jim/term/main.c
src/jim/term/menu.h
src/jim/term/msgs.h
src/jim/term/string.c
src/dmdpi/dmdpi
src/dmdpi/dmdpi/protocol.h

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src/dmdpi/dmdpi/host
src/dmdpi/dmdpi/host/asm.c
src/dmdpi/dmdpi/host/audit.c
src/dmdpi/dmdpi/host/bpts.c
src/dmdpi/dmdpi/host/coff.h
src/dmdpi/dmdpi/host/core.c
src/dmdpi/dmdpi/host/dtype.c
src/dmdpi/dmdpi/host/expr.c
src/dmdpi/dmdpi/host/format.c
src/dmdpi/dmdpi/host/frame.c
src/dmdpi/dmdpi/host/gram.h
src/dmdpi/dmdpi/host/journal.c
src/dmdpi/dmdpi/host/lib.c
src/dmdpi/dmdpi/host/m68kasm.c
src/dmdpi/dmdpi/host/main.c
src/dmdpi/dmdpi/host/master.c
src/dmdpi/dmdpi/host/memory.c
src/dmdpi/dmdpi/host/mip.h
src/dmdpi/dmdpi/host/parse.c
src/dmdpi/dmdpi/host/phrase.c
src/dmdpi/dmdpi/host/process.c
src/dmdpi/dmdpi/host/srkdir.c
src/dmdpi/dmdpi/host/srctext.c
src/dmdpi/dmdpi/host/symbol.c
src/dmdpi/dmdpi/host/symtab.c
src/dmdpi/dmdpi/host/termcore.c
src/dmdpi/dmdpi/host/termmaster.c
src/dmdpi/dmdpi/host/univ.h
src/dmdpi/dmdpi/host/wd.c
src/dmdpi/dmdpi/host/y.tab.h
src/dmdpi/dmdpi/term
src/dmdpi/dmdpi/term/call.c
src/dmdpi/dmdpi/term/cursor.c
src/dmdpi/dmdpi/term/graphic.c

src/dmdpi/dmdpi/host/SOURCE
src/dmdpi/dmdpi/host/asm.h
src/dmdpi/dmdpi/host/audit.h
src/dmdpi/dmdpi/host/bpts.h
src/dmdpi/dmdpi/host/coffsymtab.c
src/dmdpi/dmdpi/host/core.h
src/dmdpi/dmdpi/host/dtype.h
src/dmdpi/dmdpi/host/expr.h
src/dmdpi/dmdpi/host/format.h
src/dmdpi/dmdpi/host/frame.h
src/dmdpi/dmdpi/host/gram.y
src/dmdpi/dmdpi/host/journal.h
src/dmdpi/dmdpi/host/lib.h
src/dmdpi/dmdpi/host/m68kasm.h
src/dmdpi/dmdpi/host/makefile
src/dmdpi/dmdpi/host/master.h
src/dmdpi/dmdpi/host/memory.h
src/dmdpi/dmdpi/host/op.h
src/dmdpi/dmdpi/host/parse.h
src/dmdpi/dmdpi/host/phrase.h
src/dmdpi/dmdpi/host/process.h
src/dmdpi/dmdpi/host/srkdir.h
src/dmdpi/dmdpi/host/srctext.h
src/dmdpi/dmdpi/host/symbol.h
src/dmdpi/dmdpi/host/symtab.h
src/dmdpi/dmdpi/host/termcore.h
src/dmdpi/dmdpi/host/termproc.c
src/dmdpi/dmdpi/host/vtbl.c
src/dmdpi/dmdpi/host/wd.h
src/dmdpi/dmdpi/host/gram.c
src/dmdpi/dmdpi/term/SOURCE
src/dmdpi/dmdpi/term/core.c
src/dmdpi/dmdpi/term/dmdpi.c
src/dmdpi/dmdpi/term/journal.c

src/dmdpi/dmdpi/term/jps.c
src/dmdpi/dmdpi/term/main.c
src/dmdpi/dmdpi/term/memfault.c
src/dmdpi/dmdpi/term/step.c
src/dmdpi/dmdpi/term/dmdpi.o
src/dmdpi/pads/doc
src/dmdpi/pads/doc/SOURCE
src/dmdpi/pads/doc/abs.trf
src/dmdpi/pads/doc/details.trf
src/dmdpi/pads/doc/macros.trf
src/dmdpi/pads/doc/menu.trf
src/dmdpi/pads/doc/misc.trf
src/dmdpi/pads/doc/ms
src/dmdpi/pads/doc/now.c
src/dmdpi/pads/doc/pad.trf
src/dmdpi/pads/doc/refs.trf
src/dmdpi/pads/doc/story.c
src/dmdpi/pads/doc/title.trf
src/dmdpi/pads/doc/univ.tbl
src/dmdpi/pads/SOURCE
src/dmdpi/pads/host
src/dmdpi/pads/host/cache.c
src/dmdpi/pads/host/help.c
src/dmdpi/pads/host/makefile
src/dmdpi/pads/host/pad.c
src/dmdpi/pads/host/remote.c
src/dmdpi/pads/host/stats.c
src/dmdpi/pads/host/test.c
src/dmdpi/pads/term
src/dmdpi/pads/term/buttons.c
src/dmdpi/pads/term/cursor.c
src/dmdpi/pads/term/lib.c
src/dmdpi/pads/term/makefile
src/dmdpi/pads/term/pad.c

src/dmdpi/dmdpi/term/lib.c
src/dmdpi/dmdpi/term/makefile
src/dmdpi/dmdpi/term/protocol.c
src/dmdpi/dmdpi/term/term.h
src/dmdpi/pads
src/dmdpi/pads/doc/README
src/dmdpi/pads/doc/Makefile
src/dmdpi/pads/doc/cover.trf
src/dmdpi/pads/doc/eg.trf
src/dmdpi/pads/doc/man.trf
src/dmdpi/pads/doc/middle.c
src/dmdpi/pads/doc/model.trf
src/dmdpi/pads/doc/news.c
src/dmdpi/pads/doc/null.c
src/dmdpi/pads/doc/padrcv.trf
src/dmdpi/pads/doc/slides.trf
src/dmdpi/pads/doc/storyopen.c
src/dmdpi/pads/doc/tm.trf
src/dmdpi/pads/doc/univ.trf
src/dmdpi/pads/pads.h
src/dmdpi/pads/host/SOURCE
src/dmdpi/pads/host/extern.c
src/dmdpi/pads/host/libC.c
src/dmdpi/pads/host/menu.c
src/dmdpi/pads/host/padrcv.c
src/dmdpi/pads/host/sf.c
src/dmdpi/pads/host/term.c
src/dmdpi/pads/host/trace.c
src/dmdpi/pads/term/SOURCE
src/dmdpi/pads/term/cache.c
src/dmdpi/pads/term/host.c
src/dmdpi/pads/term/lineops.c
src/dmdpi/pads/term/master.c
src/dmdpi/pads/term/paint.c

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src/dmdpi/pads/term/protocol.c
src/dmdpi/pads/term/univ.h
src/dmdpi/pads/pads.pub
src/dmdpi/cleave/SOURCE
src/dmdpi/cleave/cleave.c
src/dmdpi/makefile
src/dmdpi/README
src/wtinit/SOURCE
src/wtinit/wtinit.sh
src/stand.defs
src/dmdcc
src/dmdcc/SOURCE
src/demo
src/demo/README
src/demo/ball.c
src/demo/clock.c
src/demo/dmddemo.sh
src/demo/rose.c
src/dmdcat
src/dmdcat/SOURCE
src/dmdcat/dmdgetpr.c
src/dmld/makefile
src/dmld/dmld.c
src/dmld/load.h
src/dmld/proto.c
src/dmld/reloc.c
src/dmdman/makefile
src/dmdman/dmdman.sh
src/dmdversion/makefile
src/dmdversion/dmdversion.c
src/icon
src/icon/SOURCE
src/icon/getfile.c
src/icon/icon.c

src/dmdpi/pads/term/scriphtit.c
src/dmdpi/pads/pads.pri
src/dmdpi/cleave
src/dmdpi/cleave/README
src/dmdpi/cleave/makefile
src/dmdpi/SOURCE
src/wtinit
src/wtinit/makefile
src/SOURCE
src/stand.targ
src/dmdcc/makefile
src/dmdcc/dmdcc.c
src/demo/makefile
src/demo/SOURCE
src/demo/bounce.c
src/demo/clock.sh
src/demo/doodle.c
src/demo/star.c
src/dmdcat/makefile
src/dmdcat/dmdcat.sh
src/dmld
src/dmld/SOURCE
src/dmld/io.c
src/dmld/pcheck.c
src/dmld/proto.h
src/dmdman
src/dmdman/SOURCE
src/dmdversion
src/dmdversion/SOURCE
src/dmdversion/hostagent.c
src/icon/makefile
src/icon/bitblit.c
src/icon/help.c
src/icon/icon.h

src/icon/icon.sh
src/icon/read.c
src/icon/rotate.c
src/icon/stretch.c
src/icon/texture.c
src/icon/write.c
src/jx/makefile
src/jx/comm.h
src/jx/sysint.c
src/loadfont/makefile
src/loadfont/loadfont.c
src/loadfont/loadterm.c
src/dmdmemory/makefile
src/dmdmemory/core.c
src/dmdmemory/dmdmemory.sh
src/dmdmemory/globals.h
src/dmdmemory/ltoa.c
src/dmdmemory/scope.c
src/dmdmemory/string.c
src/ucache
src/ucache/makefile
src/ucache/ucache.sh
include/sys
include/sys/sccsid.h
include/SOURCE
include/dmd.h
include/dmdproc.h
include/font.h
include/kbd_proc.h
include/key98tab.h
include/label.h
include/menu.h
include/mpx.h
include/object.h
src/icon/menu.c
src/icon/reflect.c
src/icon/shear.c
src/icon/sweep.c
src/icon/utility.c
src/jx
src/jx/SOURCE
src/jx/jx.c
src/loadfont
src/loadfont/SOURCE
src/loadfont/loadfont.h
src/dmdmemory
src/dmdmemory/SOURCE
src/dmdmemory/defines.h
src/dmdmemory/fstcore.c
src/dmdmemory/libcore.c
src/dmdmemory/peek.c
src/dmdmemory/stack.c
src/dmdmemory/update.c
src/ucache/SOURCE
src/ucache/ucache.c
include
include/sys/SOURCE
include/5620.h
include/agent.h
include/dmdio.h
include/extern.h
include/global.h
include/key122tab.h
include/keycodes.h
include/layer.h
include/message.h
include/msgs.h
include/quiet.h

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include/sccsid.h
include/ccs
include/ccs/values.h
include/ccs/ctype.h
include/ccs/signal.h
include/ccs/search.h
terminfo/630
makefile
VERSION

include/setup.h
include/ccs/math.h
include/ccs/errno.h
include/ccs/memory.h
include/ccs/string.h
terminfo
terminfo/SOURCE
SOURCE

USE OF THE PRODUCT

Dependency Notes

For a complete list of package dependencies see Appendix A (Installation and Administration) of the *630 MTG Software Development Guide*.

Software Exceptions

dmdcc

- If a C program contains a "goto" statement with a label that is not subsequently defined, this error will not be reported by **dmdcc** as it is by **cc**. Although the error will be detected by **mc68ld**, the user-given name will have been replaced with a compiler-generated name which causes a somewhat misleading message to appear.

The following is an example of the error message:

```
undefined          first referenced
symbol            in file
L%13              file.o
mc68ld fatal: System referencing errors. No output written to file.
```

The relevant difference from other mc68 errors is that the symbol name is of the form L%number, which is how **dmdcc** generates labels. Any message from **mc68ld** of this form should be the result of a "goto" to an undefined label.

- If an "enum" data type is used as an int, it should be type cast as "int". **dmdcc** does not automatically do this.

dmdcat

After entering the **dmdcat** command, wait for 1 or 2 seconds before typing any more characters. The **dmdcat** command questions the terminal to determine if the printer is available. If characters are typed at the keyboard immediately after entering the **dmdcat** command, they may interfere with the terminal's response sequence. If this happens, **dmdcat** will issue a message indicating that the printer is not available.

dmdld

- The programs **jim**, **dmdpi**, and possibly other large programs do not download properly from a 3B2 running UNIX System V Release 2.0.4 and Release 2.0.5 when the connection is at 19.2K baud. With such a 3B2 computer, 9600 baud or slower should be used.

dmdpi

- Embedded spaces become part of the file name itself when redirecting window data to some host output file. That is, "**> file**" makes a file by the name " **file**" instead of "**file**". The same holds true for redirecting input with "**< file**" vs "**<file**". With the first specification **dmdpi** looks for a file of the name " **file**" and may say that the file is not found. This is common for all keyboard input.
- If the **dmdpi** agent process crashes, the message displayed is:

```
FATAL ERROR: dmdpi.m crashed.
```

The actual name of the process is **DmdpiAgent**.

- When entering a process number in the **dmdpi** window, entering certain invalid process numbers can cause **dmdpi** to crash. Care should be taken to enter a valid process number.
- When programs are compiled with the **-g** option, line numbers that are used by **dmdpi** are inserted in the object modules. The compiler does not generate line numbers for certain branch instructions. This manifests itself when doing source level debugging with **dmdpi**.

For example:

1. If using **dmdpi** and you try to set a breakpoint on a "goto" or on a "return", the breakpoint will be set improperly on the next instruction after the "goto" or "return".
2. If single stepping through source statements, **dmdpi** will not know to stop at "goto" or "return" statements, since it thinks that the branch assembler instruction is part of the previous source line.
3. Problems 1 and 2 also can occur for other programming constructs for which the compiler may generate branch instructions with no line number, such as while loops and switch statements. The result is that when setting breakpoints in or single stepping through these constructs, although the program is actually being executed correctly, it may appear to be executed incorrectly. Two specific examples are:
 - a. When single stepping through a switch statement, **dmdpi** appears to execute the first instruction of the final case block before beginning execution of the proper case block.
 - b. When an if construct is last in a while loop, if the condition fails, **dmdpi** will appear to execute the last statement of the if block before returning to the top of the while loop.

Note: The object code generated by the compiler is correct; only the line numbers for debugging may be incorrect. It therefore only appears that the program is executing incorrectly. In each of the two examples cited above, after the next single step is executed, **dmdpi** is once again in correct synchronization with the source code.

4. A problem occurs with source level debugging if a process is compiled from at least two source files with the same name. This can occur between two application source files, an application source file and library source file, or two library source files. For example the **libj** and **libjx** libraries both contain source files named **printf.c**. If this is the case, when the **dmdpi**

source files window is opened for the process and the source files are listed, the two files with the same name are listed with no clear indication of which is which. The distinct identities of the two files are determined by examining their positions in the list of source files in the window, since files are listed in reverse link load order. If source file windows were opened for both modules, each would show the same source code, since **dmdpi** only knows to look in one place at any one given time for a source file of a certain name. Only one of these windows would be correct. **dmdpi** will not work properly if the wrong source file is opened when debugging a module.

When selecting one of these modules to open a source file window, the path to the correct source file for the module (determined as stated above) should be used by either first changing the working directory or setting the source files window path prefix prior to opening the window. If the source level debugging of the module behaves incorrectly, the wrong source file was probably opened.

5. When the source files window is opened for a process, **dmdpi** assumes the current directory as a path to the source files. The user can specify an alternate path prefix as a directory to search for source files. If a carriage return is entered for a new prefix, the new prefix is set to "/" even though no prefix is shown, NOT the current directory.

To return to using the current directory as the source files directory, either '.' or the full path of the current directory should be entered as the source files window prefix.

Note: When a window is opened for a particular source file and the source file is not found, an alternate path and name for the file can be entered into the window that was just opened. This alternate path and name is appended to the prefix that is currently in effect in the source files window.

- When generating **dmdpi** from source code, several harmless warning messages are displayed. See the file **\$DMD/src/dmdpi/README** for details.

- When using **dmdpi** one cannot set bit fields from the global or stack frame windows. **dmdpi** may also incorrectly display the value of a bit field. The raw memory window may be used to perform and verify these functions.

icon

- While button 3 is depressed, the menu item selection cursor will disappear if the cursor is moved out of the window.

Moving the cursor back into the window will cause the cursor to reappear. Alternately, releasing button 3 will cause the global cursor to reappear.

- The **icon** program performs initialization of the drawing grid when it starts. Similarly, after every time the **icon** window is reshaped, the drawing grid is redrawn. For large grids this operation can take a significant amount of time (over a minute for maximum size grids).

Grid sizes only as large as needed should be used to minimize this delay.

- Drawing operations (such as Erase and Invert) on large grids also may take a long time. During these operations, the user cannot access the mouse or other windows.

As suggested above, to minimize these delays only grid sizes as large as are needed should be used.

- When reading an **icon** file, **icon** first looks for the file requested by the user in the current directory. If it cannot find the file in the current directory, **icon** uses as a root the path specified by the **DMD** variable, searching the **icon** directories provided by the 630 MTG Software Development Package for the file. This variable is evaluated only once at download time; **icon** will retain this root path as long as it is downloaded or cached. If the **DMD** variable is changed, or if **icon** is used with a different host that has a different path, **icon** files will not be found when requested for reading.

If this is the case, either the full path name should be specified when requesting an **icon** file read, or **icon** should be removed with the **ucache** facility and downloaded again.

include files

- The macros **FONTWIDTH** and **FONTHEIGHT** currently take font data structures as arguments. To use these macros with font pointers, an extra set of parentheses should be used in the macro call. In the following example, **FONTHEIGHT** is used with a font as an argument, and **FONTWIDTH** is used with a font pointer as an argument:

```
Font font, *ft;

a = FONTHEIGHT(font);

x = FONTWIDTH((*ft));
```

- The function **realtime()** is incorrectly defined as returning a "long" instead of an "unsigned long" in the include file **5620.h**. This causes problems only if **extern.h** is also included. Since **extern.h** correctly defines **realtime()** as returning an "unsigned long", the compiler will flag **realtime()** as being multiple-defined when both **extern.h** and **5620.h** are included. A local copy of **5620.h** can be made and the declaration of **realtime()** removed.

jx

- **jx** supports only 7 active file descriptors. Attempting to open any files/pipes beyond this could hang the program.
- Closing a file under **jx** with **pclose** or a pipe with **fclose** may cause an erroneous result to be returned or hang the program.

mc68ar

- **mc68ar** will accept only object files with no more than 2000 symbols.
- Appending to a malformed archive file does not produce an error message.
- **mc68ar** will update an archive file date even if it makes no change to the archive file.

mc68conv

- **mc68conv** does not work with the **-a** option (used for archive file conversion). To convert archive files, first extract the individual files from the archive file using **mc68ar**. Use **mc68conv** to convert these files. After transporting the converted files to the destination machine, **mc68ar** can be used to reconstruct the archive.
- If **mc68conv** is invoked with an invalid command line, **mc68conv** may incorrectly identify itself as **sgsconv** instead of **mc68conv**, and respond with a usage message that incorrectly says the command is **conv** instead of **mc68conv**.
- At compilation time, **dmdcc** inserts stack size (either specified in the **dmdcc** invocation line or defaulted to 2048) in the loadable object module that it generates. At download time, **dmdld** reads this stack size and sends it to the 630 MTG prior to downloading the program. The **mc68conv** utility does not alter the storage of this stack size value. Therefore, it is possible that using the **mc68conv** utility is not sufficient to port a binary 630 MTG application from one machine to another (if the source and target machines store words with byte order swapped). If the stack size is read by **dmdld** with byte order incorrect, the stack size appears invalid to **dmdld** and the program is not downloaded.

If this situation occurs in porting to another machine, either the **-Z** option should be used in the **dmdld** invocation line to override the stack size in the object file, or the application should be recompiled from source on the target machine. See the **dmdcc(1)** and **dmdld(1)** manual pages for details on the **-Z** option.

mc68cprs

The `-v` option is obsolete and no longer supported.

ccs

Several warning messages are displayed when generating the C Compilation System from source code. These warning messages are expected and harmless. Messages are generated for the following files:

ar.c - two "may be non-portable" messages
lex.yy.c - three "illegal pointer/integer combination" messages
ld01.c - three "illegal pointer/integer combination" messages
optab.c - three "previously declared extern" messages
sty.y - one "previously declared extern" message
fcns.c - four "illegal pointer/integer combination" messages

terminfo

- The description of the backtab key is missing from the terminfo file. Therefore, the backtab key will not be understood by programs using curses.

The following should be added to the terminfo file
"\$DMD/terminfo/630" prior to the line that begins "630-24":

```
kcbt=\E[Z,
```

other

When a downloaded program executes the function `peel(rect,1)`, the program is made local and uses the window defined by `rect`. If the program is cached, another invocation of the program replaces the peeled program in the original window. Peel tests if the program is cached before allowing it to leave behind a copy of itself. It compares the clipped name of the cached program (all path information removed) versus the full pathname of the file that was downloaded. If in the `dmdld` invocation line a "/" was specified in the pathname of the file being downloaded, peel will fail.

To avoid this problem, when downloading a program that performs a peel and invokes another copy of itself in the original window, one should have as the current directory the directory where the program resides. In this way the file can be specified in the dmdld invocation line with a simple filename.