

Hex signature	ISO 8859-1	Offset	File extension	Description
FF FE 00 00	....	0		Byte-order mark for text file encoded in little-endian 32-bit Unicode Transfer Format
FF FE	..	0		Byte-order mark for text file encoded in little-endian 16-bit Unicode Transfer Format
FF FB	ÿû	0	mp3	MPEG-1 Layer 3 file without an ID3 tag or with an ID3v1 tag (which's appended at the end of the file)
FF D8 FF DB FF D8 FF E0 00 10 4A 46 49 46 00 01 FF D8 FF EE FF D8 FF E1 ?? ?? 45 78 69 66 00 00	ÿøÿÔ ÿøÿà..JFIF.. ÿøÿî ÿøÿá..Exif..	0	jpg jpeg	JPEG raw or in the JFIF or Exif file format
FE ED FE ED	þÿþÿ	0		JKS JavakeyStore
FE ED FA CF	.....	0 0x1000		Mach-O binary (64-bit)
FE ED FA CE	.....	0 0x1000		Mach-O binary (32-bit)
FD 37 7A 58 5A 00 00	²7zXZ..	0	xz tar.xz	XZ compression utility using LZMA2 compression
EF BB BF	ï»¿	0		UTF-8 encoded Unicode byte order mark , commonly seen in text files.

ed ab ee db	ï«ïÛ	0	rpm	RedHat Package Manager (RPM) package [3]
D0 CF 11 E0 A1 B1 1A E1		0	doc xls ppt msg	Compound File Binary Format , a container format used for document by older versions of Microsoft Office . ^[21] It is however an open format used by other programs as well.
CF FA ED FE	.....	0		Mach-O binary (reverse byte ordering scheme, 64-bit)[14]
cf 84 01		0	lep	Lepton compressed JPEG image ^[42]
CE FA ED FE	.....	0		Mach-O binary (reverse byte ordering scheme, 32-bit)[14]
CA FE BA BE	Êþ°¼	0	class	Java class file • Mach-O Fat Binary
BE BA FE CA	¼°þÊ	0	DBA	Palm Desktop Calendar Archive

a1 b2 c3 d4 d4 c3 b2 a1	; ² Ã ² ÔÃ ² ;	0	pcap	Libpcap File Format[1]
89 50 4E 47 0D 0A 1A 0A	.PNG....	0	png	Image encoded in the Portable Network Graphics format ^[3]
80 2A 5F D7	.*_.	0	cin	Kodak Cineon image
78 01 78 9C 78 DA	....	0	zlib	No Compression/low Default Compression Best Compression
78 61 72 21	xar!	0	xar	eXtensible ARchive format ^[29]
78 56 34	xV4	0	pbt pdt pea peb pet pgt pict pjt pkt pmt	PhotoCap Template
78 01 73 0D 62 62 60	x.s.bb`	0	dmg	Apple Disk Image file
77 4F 46 46	wOFF	0	woff	WOFF File Format 1.0
77 4F 46 32	wOF2	0	woff2	WOFF File Format 2.0
76 2F 31 01	v/1.	0	exr	OpenEXR image
75 73 74 61 72 00 30 30 75 73 74 61 72 20 20 00	ustar.00 ustar .	0x101	tar	tar archive ^[34]

74 6F 78 33	TOX	0	tox	Open source portable voxel file[35]
66 74 79 70 33 67	ftyp3g	4	3gp 3g2	3rd Generation Partnership Project 3GPP and 3GPP2 multimedia files
66 4C 61 43	fLaC	0	flac	Free Lossless Audio Codec ^[19]
65 87 78 56	e.xV	0	p25 obt	PhotoCap Object Templates
64 65 78 0A 30 33 35 00	dex.035.	0	dex	Dalvik Executable
62 76 78 32	bvx2	0	lzfse	LZFSE - Lempel-Ziv style data compression algorithm using Finite State Entropy coding. OSS by Apple.[44]
62 6F 6F 6B 00 00 00 00 6D 61 72 6B 00 00 00 00	book....mark....	0	alias	macOS file Alias ^[44] (Symbolic link)
55 55 aa aa	UU↵	0	pcv	PhotoCap Vector
54 44 46 24	TDF\$	0	TDF\$	Telegram Desktop File
54 44 45 46	TDEF	0	TDEF	Telegram Desktop Encrypted File
54 41 50 45	TAPE	0		Microsoft Tape Format
53 51 4c 69 74 65 20 66 6f 72 6d 61 74 20 33 00	SQLite format 3.	0	sqllitedb sqlite db	SQLite Database [4]
53 50 30 31	SP01	0	bin	Amazon Kindle Update Package [5]
53 49 4D 50 4C 45 20 20	SIMPLE			

3D 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 54	= T	0	fits	Flexible Image Transport System (FITS) ^[18]
53 45 51 36	SEQ6	0	rc	RCFile columnar file format
53 44 50 58 (big endian format) 58 50 44 53 (little endian format)	SDPX XPDS	0	dpx	SMPTE DPX image
53 5A 44 44 88 F0 27 33	SZDD....	0	Various. (Replacing the last character of the original file extension with an underscore, e.g. setup.exe becomes setup.ex)	Microsoft compressed file in Quantum format, used prior to Windows XP. File can be decompressed using Extract.exe or Expand.exe distributed with earlier versions of Windows.
52 65 63 65 69 76 65 64	Received:	0	eml	Email Message var5[48]
52 61 72 21 1A 07 01 00	Rar!....	0	rar	RAR archive version 5.0 onwards ^[12]
52 61 72 21 1A 07 00	Rar!...	0	rar	RAR archive version 1.50 onwards ^[11]
52 49 46 46 ?? ?? ?? ?? 57 45 42 50	RIFF.... WEBP	0	webp	Google WebP image file
52 49 46 46 ?? ?? ?? ?? 57 41 56 45	RIFF.... WAVE	0	wav	Waveform Audio File Format
52 49 46 46 ?? ?? ?? ?? 41 56 49 20	RIFF.... AVI.	0	avi	Audio Video Interleave video format

52 4E 43 01 52 4E 43 02	RNC.	0		Compressed file using Rob Northen Compression (version 1 and 2) algorithm
50 41 52 31	PAR1	0		Apache Parquet columnar file format
50 4D 4F 43 43 4D 4F 43	PMOCCMOC	0	dat	Windows Files And Settings Transfer Repository[30] See also USMT 3.0 (Win XP) ^[31] and USMT 4.0 (Win 7) ^[32] User Guides
50 4B 03 04 50 4B 05 06 (empty archive) 50 4B 07 08 (spanned archive)	PK..	0	zip aar apk docx epub ipa jar kmz maff odp ods odt pk3 xpi	zip file format and formats based on it, such as EPUB, JAR, ODF, OOXML
49 49 2A 00 10 00 00 00 43 52	II*..... CR	0	cr2	Canon RAW Format Version 2[8] Canon's RAW format is based on the TIFF file format[9]
49 49 2A 00 (little endian format) 4D 4D 00 2A (big endian format)	II*. MM.*	0	tif tiff	Tagged Image File Format
49 44 33	ID3	0	mp3	MP3 file with an ID3v2 container

49 4E 44 58	INDX	0	idx	Index file to a file or tape containing a backup done with AmiBack on an Amiga .
47 49 46 38 37 61	GIF87a	0	gif	Image file encoded in the Graphics Interchange Format (GIF) ^[7]
47 49 46 38 39 61	GIF89a	0	gif	
47	G	0 0xBC 0x178 ... (every 188th byte)	ts tsv tsa	MPEG Transport Stream (MPEG-2 Part 1)
46 4F 52 4D ?? ?? ?? 59 55 56 4E	FORM.... YUVN	0 any	yuvn yuv iff	IFF YUV Image
46 4F 52 4D ?? ?? ?? 53 4D 55 53	FORM.... SMUS	0 any	smus smu mus iff	IFF Simple Musical Score
46 4F 52 4D ?? ?? ?? 49 4C 42 4D	FORM.... ILBM	0 any	ilbm lbn ibm iff	IFF Interleaved Bitmap Image
46 4F 52 4D ?? ?? ?? 46 54 58 54	FORM.... FTXT	0 any	ftxt iff	IFF Formatted Text
46 4F 52 4D ?? ?? ?? 46 41 58 58	FORM.... FAXX	0 any	faxx fax iff	IFF Facsimile Image
46 4F 52 4D ?? ?? ?? 46 41 4E 54	FORM.... FANT	0 any	iff	Amiga Fantavision Movie
46 4F 52 4D ?? ?? ?? 43 4D 55 53	FORM.... CMUS	0 any	cmus mus iff	IFF Musical Score
46 4F 52 4D ?? ?? ?? 41 49 46 46	FORM.... AIFF	0 any	aiff aif aifc snd iff	Audio Interchange File Format
46 4F 52 4D ?? ?? ?? 41 43 42 4D	FORM.... ACBM	0 any	acbm iff	Amiga Contiguous Bitmap
46 4F 52 4D ?? ?? ?? 41 4E 42 4D	FORM.... ANBM	0 any	anbm iff	IFF Animated Bitmap

46 4F 52 4D ?? ?? ?? 38 53 56 58	FORM.... 8SVX	0 any	8svx 8sv svx snd iff	IFF 8-Bit Sampled Voice
46 4F 52 4D ?? ?? ?? ?? 41 4E 49 4D	FORM.... ANIM	0 any	anim iff	IFF CEL Animation
46 4C 49 46	FLIF	0	flif	Free Lossless Image Format
45 52 02 00 00 00 8B 45 52 02 00 00 00	ER.... ãER....	0	toast	Roxio Toast disc image file, also some .dmg-files begin with same bytes
45 4D 58 32	EMX2	0	ez2	Emulator Emaxsynth samples
45 4D 55 33	EMU3	0	ez3 iso	Emulator III synth samples
44 49 43 4D	DICM	0x80	dcm	DICOM Medical File Format
44 43 4D 01 50 41 33 30	DCM PA30	0		Windows Update Binary Delta Compression ^[37]
43 72 32 34	Cr24	0	crx	Google Chrome extension ^[24] or packaged app ^[25]
43 57 53 46 57 53	CWS FWS	0	swf	flash .swf
43 44 30 30 31	CD001	0x8001 0x8801 0x9001	iso	ISO9660 CD/DVD image file ^[17]
42 50 47 FB	BPGû	0	bpg	Better Portable Graphics format ^[10]

42 41 43 4B 4D 49 4B 45	BACKMIKE	0	bac	File or tape containing a backup done with AmiBack on an Amiga . It typically is paired with an index file (idx) with the table of contents.
44 49 53 4B	DISK			
42 5A 68	BZh	0	bz2	Compressed file using Bzip2 algorithm
42 4D	BM	0	bmp	BMP file, a bitmap format used mostly in the Windows world
			dib	
41 54 26 54 46 4F 52 4D ?? ?? ?? ?? 44 4A 56	AT&TFORM....DJV	0	djvu	DjVu document
			djv	The following byte is either 55 (U) for single-page or 4D (M) for multi-page documents.
41 47 44 33	AGD3	0	fh8	FreeHand 8 document ^{[26][27][28]}
38 42 50 53	8BPS	0	psd	Photoshop Document file, Adobe Photoshop's native file format
37 48 03 02 00 00 00 58 35 30 39 4B 45 59	7H.....X509KEY	0	kdb	KDB file
37 7A BC AF 27 1C	7z¼'¹	0	7z	7-Zip File Format
30 82	0	0	der	DER encoded X.509 certificate
30 26 B2 75 8E 66 CF 11	0&²u.fİ		asf	
A6 D9 00 AA 00 62 CE 6C	.İÛ.ª.bİl	0	wma wmv	Advanced Systems Format ^[16]
28 B5 2F FD	(µ/Ÿ	0	zst	Zstandard compressed file ^{[49][50]}

27 05 19 56	'..V	0		U-Boot / uImage. Das U-Boot Universal Boot Loader , ^[43]
25 50 44 46 2d	%PDF-	0	pdf	PDF document ^[15]
25 21 50 53	%!PS	0	ps	PostScript document
24 53 44 49 30 30 30 31	\$SDI0001	0		System Deployment Image , a disk image format used by Microsoft
21 3C 61 72 63 68 3E	!<arch>.	0	deb	linux deb file
20 02 01 62 A0 1E AB 07 02 00 00 00	..b .«.....	0	tde	Tableau Datasource
7F 45 4C 46	.ELF	0		Executable and Linkable Format
7B 5C 72 74 66 31	{\rtf1	0	rtf	Rich Text Format
06 07 E1 00 42 4F 42 4F 06 07 E1 00 00 00 00 00 00 00 00 00 00 01	....BOBO	0	cwk	AppleWorks 6 document
5B 5A 6F 6E 65 54 72 61 6E 73 66 65 72 5D	[ZoneTransfer]	0	Identifier	Microsoft Zone Identifier for URL Security Zones ^[47]
05 07 00 00 42 4F 42 4F 05 07 00 00 00 00 00 00 00 00 00 00 00 01	....BOBO	0	cwk	AppleWorks 5 document
4F 67 67 53	OggS	0	ogg oga ogv	Ogg , an open source media container format

4F 62 6A 01	Obj.	0	avro	Apache Avro binary file format
4F 52 43	ORC	0	orc	Apache ORC (Optimized Row Columnar) file format
4E 45 53 1A	NES	0	nes	Nintendo Entertainment System ROM file[33]
4D 54 68 64	MThd	0	mid midi	MIDI sound file ^[20]
4D 53 43 46	MSCF	0	cab	Microsoft Cabinet file
4D 49 4C 20	MIL	0	stg	"SEAN : Session Analysis" Training file. Also used in compatible software "Rpw : Rowperfect for Windows" and "RP3W : ROWPERFECT3 for Windows" .
4D 5A	MZ	0	exe dll	DOS MZ executable file format and its descendants (including NE and PE)
4D 4C 56 49	MLVI	0	MLV	Magic Lantern Video file ^[36]
4C 5A 49 50	LZIP	0	lz	Lzip compressed file

4B 44 4D	KDM	0	vmdk	VMDK files ^{[22][23]}
04 22 4D 18	. "M.	0	lz4	LZ4 Frame Format ^[39] Remark: LZ4 block format does not offer any magic bytes.[40]
3c 3f 78 6d 6c 20	<?xml	0	XML	eXtensible Markup Language when using the ASCII character encoding
3A 29 0A	:) .	0	sml	Smile file
1F A0	.	0	z tar.z	Compressed file (often tar zip) using LZH algorithm
1F 9D	..	0	z tar.z	compressed file (often tar zip) using Lempel-Ziv-Welch algorithm
1F 8B	..	0	gz tar.gz	GZIP compressed file ^[38]
1B 4C 75 61	.Lua	0	luac	Lua bytecode ^[45]
1A 45 DF A3	.EBE	0	mkv mka mks mk3d webm	Matroska media container, including WebM
0a 0d 0d 0a	....	0	pcapng	PCAP Next Generation Dump File Format[2]
00 61 73 6d	.asm	0	wasm	WebAssembly binary format ^[41]
00 01 44 54	..DT	0	TDA	Palm Desktop Calendar Archive
00 01 42 44	..BD	0	DBA	Palm Desktop To Do Archive

00 01 00 00	....	0		Palm Desktop Data File (Access format)
00 00 01 BA 47 00 00 01 B3	.... G 	0	mpg mpeg	MPEG Program Stream MPEG Transport Stream MPEG-1 video and MPEG-2 video (MPEG-1 Part 2 and MPEG-2 Part 2)
00 00 01 BA	....	0	m2p vob	MPEG Program Stream (MPEG-1 Part 1 (essentially identical) and MPEG-2 Part 1)
00 00 01 00	....	0	ico	Computer icon encoded in ICO file format ^(a)
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00	..... ..... .....	11	PDB	PalmPilot Database/Document File
0	.	0	PIC PIF SEA YTR	IBM Storyboard bitmap file Windows Program Information File Mac Stuffit Self-Extracting Archive IRIS OCR data file