

PDZIP LAYOUT AND DATA DEFINITIONS

Below are the complete layout specifications and data definitions of all files provided with *pdZIP*.

Each line below contains the following information: **FIELD NUMBER**: field position number. **FIELD NAME**: name of field. **FIELD TYPE**: field data type; “Chr” = alpha/numeric characters, “Num” = numbers. **FIELD LENGTH**: length of field. **DECIMAL PLACES**: number of decimal places (if any). **START POSITION**: field starting position. **END POSITION**: field ending position. **DESCRIPTION**: data definition of field contents.

LAYOUT OF 5-DIGIT ZIP CODE FILES

Field Count: 88

Total Length: 774

Record Count: 41,753

FIELD NUMBER	FIELD NAME	FIELD TYPE	FIELD LENGTH	DECIMAL PLACES	START POSITION	END POSITION	DESCRIPTION
1	PEACOCK_ID	Chr	15		1	15	Primary key; unique identifier for each record
2	ZIP	Chr	5		16	20	USPS 5-digit ZIP Code
3	STATEAB	Chr	2		21	22	USPS state postal abbreviation
4	USPSCITY	Chr	28		23	50	USPS preferred city name
5	CITY	Chr	28		51	78	Formatted city name
6	CITY13	Chr	13		79	91	Abbreviated city name
7	CITYFLAG	Chr	1		92	92	City Standardization Flag: S = Formatted city name (CITY) is standardized A = USPS favors the abbreviated city name (CITY13)
8	PLACECNT	Num	3		93	95	Acceptable alternate place count
9	ZIPCLASS	Chr	1		96	96	ZIP Classification Code: S = Standard Zip Code for multiple addresses M = Military ZIP Code P = ZIP Code for PO Boxes only U = Unique ZIP Code assigned to a specific organization
10	CRCD	Chr	1		97	97	City-Delivery Carrier Routes Indicator: Y = Post office has city-delivery carrier routes N = Post office does not have city-delivery carrier routes

11	CRMS	Chr	1		98	98	Bulk Mail Sort/Merge Indicator: A = Carrier route rates are available and merging is permitted B = Carrier route rates are available and merging is not permitted C = Carrier route rates are not available and merging is permitted D = Carrier route rates are not available and merging is not permitted
12	FINUM	Chr	6		99	104	Finance Number
13	TIMEZONE	Chr	4		105	108	Time Zone: AKST = Alaska Standard Time AST = Atlantic Standard Time CST = Central Standard Time ChST = Chamorro Standard Time EST = Eastern Standard Time HST = Hawaii Standard Time KOST = Kosrae Time MHT = Marshall Islands Time MST = Mountain Standard Time PONT = Pohnpei Standard Time PST = Pacific Standard Time PWT = Palau Time SST = Samoa Standard Time
14	UTCOFFSET	Num	3		109	111	Coordinated Universal Time (UTC) Offset (-12 to 12 hours)
15	DST	Chr	1		112	112	Daylight Savings Time Indicator: Y = Daylight Savings Time is observed N = Daylight Savings Time is not observed
16	AREACODE	Chr	28		113	140	Area Code List
17	GEOFLAG	Chr	1		141	141	GeoCoding Confidence Flag: 1 = Highest GeoCoding confidence Blank = Record did not meet the requirements for GeoCoding
18	GEOID	Chr	7		142	148	Geographic Identifier
19	LATITUDE	Chr	11		149	159	Internal point latitude coordinate in degrees (7 decimal places)
20	LONGITUDE	Chr	12		160	171	Internal point longitude coordinate in degrees (7 decimal places)
21	LATRAD	Num	18	15	172	189	Internal point latitude coordinate converted to radians for use in trigonometry functions (15 numeric places)
22	LONRAD	Num	18	15	190	207	Internal point longitude coordinate converted to radians for use in trigonometry functions (15 numeric places)
23	LATDMS	Chr	14		208	221	Internal point latitude coordinate in degrees/minutes/seconds
24	LONDMS	Chr	15		222	236	Internal point longitude coordinate in degrees/minutes/seconds

25	AREA	Num	14		237	250	Total area in square meters
26	ALAND	Num	14		251	264	Total land area in square meters
27	AWATER	Num	14		265	278	Total water area in square meters
28	UR	Chr	1		279	279	Urban/Rural Indicator: U = Urban R = Rural M = Mixed
29	REGION	Chr	1		280	280	Region: 1 = Northeast 2 = Midwest 3 = South 4 = West 9 = Not in a region
30	DIVISION	Chr	1		281	281	Division: 1 = New England 2 = Middle Atlantic 3 = East North Central 4 = West North Central 5 = South Atlantic 6 = East South Central 7 = West South Central 8 = Mountain 9 = Pacific 0 = Not in a division
31	STATEFP	Chr	2		282	283	State FIPS Code
32	STATENM	Chr	38		284	321	State Name
33	COUNTYFP	Chr	3		322	324	County FIPS Code
34	COUNTYNM	Chr	25		325	349	County Name
35	POPULATION	Num	9		350	358	Population
36	MALES	Num	9		359	367	Males
37	FEMALES	Num	9		368	376	Females
38	MDAGE	Num	5	1	377	381	Median age: Both genders
39	MDAGEMALES	Num	5	1	382	386	Median age: Males
40	MDAGEFEMLS	Num	5	1	387	391	Median age: Females
41	WHITE	Num	9		392	400	White
42	BLACK	Num	9		401	409	Black or African American
43	NATIVE	Num	9		410	418	American Indian or Alaska Native
44	ASIAN	Num	9		419	427	Asian
45	HAWAIIAN	Num	9		428	436	Native Hawaiian or other Pacific Islander
46	OTERRACE	Num	9		437	445	Other race
47	MULTIRACE	Num	9		446	454	Two or more races
48	LATINO	Num	9		455	463	Hispanic or Latino
49	SPKSPANHM	Num	9		464	472	Speaks Spanish at home (age 5 and over)
50	ENROLLPK12	Num	9		473	481	Enrolled in PK-12 (age 3 and over)
51	ENROLLCOLG	Num	9		482	490	Enrolled in college
52	VETERANS	Num	9		491	499	Veterans (age 18 and over)
53	MILQTRPOP	Num	9		500	508	Military quarters population
54	STUHSEPOP	Num	9		509	517	College/University student housing population
55	NURSFACPOP	Num	9		518	526	Nursing/Skilled-nursing facility population
56	ACORFACPOP	Num	9		527	535	Adult correctional facilities population

57	JUVFACPOP	Num	9		536	544	Juvenile facilities population
58	PERCAPINC	Num	6		545	550	Per capita income
59	UNEMPCVPOP	Num	9		551	559	Unemployed civilian population (age 16 and over)
60	HOUSEHOLDS	Num	9		560	568	Households
61	AVGHHSIZE	Num	5	2	569	573	Average household size
62	MDHHINC	Num	6		574	579	Median household income
63	POVERTY	Num	9		580	588	Households with income below the poverty level (in the past 12 months)
64	FAMHH	Num	9		589	597	Family households
65	AVGFAMSIZE	Num	5	2	598	602	Average family size
66	MDFAMINC	Num	6		603	608	Median family income
67	NOFAMHH	Num	9		609	617	Non-family households
68	MDNOFAMINC	Num	6		618	623	Median non-family income
69	HOUSUNITS	Num	9		624	632	Housing units
70	MDNUMROOMS	Num	5	1	633	637	Median number of rooms
71	MDYRBUILT	Num	4		638	641	Median year built
72	OCCUHU	Num	9		642	650	Occupied housing units
73	HWHITE	Num	9		651	659	Householder who is White
74	HBLACK	Num	9		660	668	Householder who is Black or African American
75	HNATIVE	Num	9		669	677	Householder who is American Indian or Alaska Native
76	HASIAN	Num	9		678	686	Householder who is Asian
77	HHAWAIIAN	Num	9		687	695	Householder who is Native Hawaiian or other Pacific Islander
78	HOTHERRACE	Num	9		696	704	Householder who is another race
79	HMULTIRACE	Num	9		705	713	Householder who is two or more races
80	HLATINO	Num	9		714	722	Hispanic or Latino householder
81	AVGNUMVEH	Num	5	1	723	727	Average number of vehicles
82	OWNEROCHU	Num	9		728	736	Owner-occupied housing units
83	MDHOMEVAL	Num	7		737	743	Median home value
84	RENTEROCHU	Num	9		744	752	Renter-occupied housing units
85	MDGREntpct	Num	5	1	753	757	Median gross rent as a percentage of income
86	MDGREnt	Num	4		758	761	Median gross rent
87	MDCREnt	Num	4		762	765	Median contract rent
88	VACANTHU	Num	9		766	774	Vacant housing units

LAYOUT OF ZIP+4 FILES

*Field Count: 117**Total Length: 1,053**Record Count: 46,201,978*

FIELD NUMBER	FIELD NAME	FIELD TYPE	FIELD LENGTH	DECIMAL PLACES	START POSITION	END POSITION	DESCRIPTION
1	PEACOCK_ID	Chr	20		1	20	Primary key; unique identifier for each record
2	ZIP	Chr	5		21	25	USPS 5-digit ZIP Code
3	FROMPLUS4	Chr	4		26	29	From (low) USPS 4-digit Plus4 Add-on Code
4	TOPLUS4	Chr	4		30	33	To (high) USPS 4-digit Plus4 Add-on Code
5	STATEAB	Chr	2		34	35	USPS state postal abbreviation
6	USPSCITY	Chr	28		36	63	USPS preferred city name
7	CITY	Chr	28		64	91	Formatted city name
8	CITY13	Chr	13		92	104	Abbreviated city name
9	CITYFLAG	Chr	1		105	105	City Standardization Flag: S = Formatted city name (CITY) is standardized A = USPS favors the abbreviated city name (CITY13)
10	FROMHN	Chr	10		106	115	From (low) house or structure number
11	TOHN	Chr	10		116	125	To (high) house or structure number
12	ADDRPARITY	Chr	1		126	126	Address Parity Indicator: O = Odd E = Even B = Both or not applicable
13	FULLNAME	Chr	39		127	165	Formatted full street address line (e.g., N Main St, Pennsylvania Ave SW)
14	PREDIR	Chr	2		166	167	Street prefix direction (e.g., N, W, SE, SW)
15	USPSSN	Chr	28		168	195	USPS base street name (e.g., MAIN, LAWSON CRK, 52ND)
16	STREETNAME	Chr	28		196	223	Formatted base street name (e.g., Main, Lawson Creek, 52nd)
17	SNFLAG	Chr	1		224	224	Street Standardization Flag: S = Formatted base street name (STREETNAME) is standardized
18	STREETTYPE	Chr	4		225	228	Street type (e.g., Ave, Rd, St, Blvd)
19	SUFDIR	Chr	2		229	230	Street suffix direction (e.g., N, W, SE, SW)
20	UNITYTYPE	Chr	4		231	234	Unit Type (e.g., Apt, Rm, Ste, Bldg)
21	FROMUNIT	Chr	8		235	242	From (low) unit number
22	TOUNIT	Chr	8		243	250	To (high) unit number

23	UNITPARITY	Chr	1		251	251	Unit Parity Indicator: O = Odd E = Even B = Both or not applicable
24	ZIPCLASS	Chr	1		252	252	ZIP Classification Code: S = Standard Zip Code for multiple addresses M = Military ZIP Code P = ZIP Code for PO Boxes only U = Unique ZIP Code assigned to a specific organization
25	CRCD	Chr	1		253	253	City-Delivery Carrier Routes Indicator: Y = Post office has city-delivery carrier routes N = Post office does not have city-delivery carrier routes
26	CRMS	Chr	1		254	254	Bulk Mail Sort/Merge Indicator: A = Carrier route rates are available and merging is permitted B = Carrier route rates are available and merging is not permitted C = Carrier route rates are not available and merging is permitted D = Carrier route rates are not available and merging is not permitted
27	FINUM	Chr	6		255	260	Finance Number
28	CRRT	Chr	4		261	264	Carrier Route
29	DELTYPE	Chr	1		265	265	Delivery Type Indicator: A = Street alias F = Firm, company, or organization G = General delivery H = Highrise or building P = PO box R = Rural route or highway contract S = Street
30	ALIASFLAG	Chr	1		266	266	Street Alias Flag: A = Alias is an abbreviated form of a street name C = Alias is an old name which local government officially changed N = Alias is a nickname or other name by which a street is known P = Alias is a locally preferred form of a street name
31	ALIASDATE	Chr	10		267	276	Street Alias Date
32	ALTREC	Chr	1		277	277	Alternate Record Indicator: A = The address is an alternate record for another preferred address record

33	LACS	Chr	1		278	278	Locatable Address Conversion System (LACS) Indicator: L = At least one address in the address range is in the USPS LACS database
34	MOVED	Chr	1		279	279	Move Indicator: M = Address moved to another ZIP Code
35	COMPANY	Chr	50		280	329	Company or organization name; this field is also used to identify base street names associated with alias street names and addresses that move from a different five-digit zone
36	URB	Chr	28		330	357	Puerto Rico Urbanization
37	TIMEZONE	Chr	6		358	363	Time Zone: AKST = Alaska Standard Time AST = Atlantic Standard Time CST = Central Standard Time ChST = Chamorro Standard Time EST = Eastern Standard Time HST = Hawaii Standard Time KOST = Kosrae Time MHT = Marshall Islands Time MST = Mountain Standard Time PONT = Pohnpei Standard Time PST = Pacific Standard Time PWT = Palau Time SST = Samoa Standard Time
38	UTCOFFSET	Num	3		364	366	Coordinated Universal Time (UTC) Offset (-12 to 12 hours)
39	DST	Chr	1		367	367	Daylight Savings Time Indicator: Y = Daylight Savings Time is observed N = Daylight Savings Time is not observed
40	AREACODE	Chr	28		368	395	Area Code List
41	GEOFLAG	Chr	1		396	396	GeoCoding Confidence Flag: 1 = Highest GeoCoding confidence 2 = Medium-High confidence 3 = Medium confidence 4 = Medium-Low confidence 5 = Lowest GeoCoding confidence Blank = Record did not meet the requirements for GeoCoding
42	GEOID	Chr	12		397	408	Geographic Identifier
43	LATITUDE	Chr	11		409	419	Internal point latitude coordinate in degrees (7 decimal places)
44	LONGITUDE	Chr	12		420	431	Internal point longitude coordinate in degrees (7 decimal places)
45	LATRAD	Num	18	15	432	449	Internal point latitude coordinate converted to radians for use in trigonometry functions (15 numeric places)

46	LONRAD	Num	18	15	450	467	Internal point longitude coordinate converted to radians for use in trigonometry functions (15 numeric places)
47	LATDMS	Chr	14		468	481	Internal point latitude coordinate in degrees/minutes/seconds
48	LONDMS	Chr	15		482	496	Internal point longitude coordinate in degrees/minutes/seconds
49	AREA	Num	14		497	510	Total area in square meters
50	ALAND	Num	14		511	524	Total land area in square meters
51	AWATER	Num	14		525	538	Total water area in square meters
52	UR	Chr	1		539	539	Urban/Rural Indicator: U = Urban R = Rural M = Mixed
53	REGION	Chr	1		540	540	Region: 1 = Northeast 2 = Midwest 3 = South 4 = West 9 = Not in a region
54	DIVISION	Chr	1		541	541	Division: 1 = New England 2 = Middle Atlantic 3 = East North Central 4 = West North Central 5 = South Atlantic 6 = East South Central 7 = West South Central 8 = Mountain 9 = Pacific 0 = Not in a division
55	STATEFP	Chr	2		542	543	State FIPS Code
56	STATENM	Chr	38		544	581	State Name
57	COUNTYFP	Chr	3		582	584	County FIPS Code
58	COUNTYNM	Chr	25		585	609	County Name
59	TRACT	Chr	6		610	615	Census Tract
60	BLOCKGRP	Chr	1		616	616	Census Block Group
61	PLACEFP	Chr	5		617	621	Place FIPS Code
62	CD	Chr	2		622	623	Congressional District FIPS Code: 01 to 53 = Congressional district number 00 = At large (single district for state) 98 = Nonvoting delegate
63	ZCTA5	Chr	5		624	628	Census 5-digit ZIP Code Tabulation Area (ZCTA)
64	POPULATION	Num	9		629	637	Population
65	MALES	Num	9		638	646	Males
66	FEMALES	Num	9		647	655	Females
67	MDAGE	Num	5	1	656	660	Median age: Both genders
68	MDAGEMALES	Num	5	1	661	665	Median age: Males
69	MDAGEFEMLS	Num	5	1	666	670	Median age: Females
70	WHITE	Num	9		671	679	White
71	BLACK	Num	9		680	688	Black or African American

72	NATIVE	Num	9		689	697	American Indian or Alaska Native
73	ASIAN	Num	9		698	706	Asian
74	HAWAIIAN	Num	9		707	715	Native Hawaiian or other Pacific Islander
75	OTHE RRACE	Num	9		716	724	Other race
76	MULTIRACE	Num	9		725	733	Two or more races
77	LATINO	Num	9		734	742	Hispanic or Latino
78	SPKSPANHM	Num	9		743	751	Speaks Spanish at home (age 5 and over)
79	ENROLLPK12	Num	9		752	760	Enrolled in PK-12 (age 3 and over)
80	ENROLLCOLG	Num	9		761	769	Enrolled in college
81	VETERANS	Num	9		770	778	Veterans (age 18 and over)
82	MILQTRPOP	Num	9		779	787	Military quarters population
83	STUHSEPOP	Num	9		788	796	College/University student housing population
84	NURSFACPOP	Num	9		797	805	Nursing/Skilled-nursing facility population
85	ACORFACPOP	Num	9		806	814	Adult correctional facilities population
86	JUVFACPOP	Num	9		815	823	Juvenile facilities population
87	PERCAPINC	Num	6		824	829	Per capita income
88	UNEMPCVPOP	Num	9		830	838	Unemployed civilian population (age 16 and over)
89	HOUSEHOLDS	Num	9		839	847	Households
90	AVGHHSIZE	Num	5	2	848	852	Average household size
91	MDHHINC	Num	6		853	858	Median household income
92	POVERTY	Num	9		859	867	Households with income below the poverty level (in the past 12 months)
93	FAMHH	Num	9		868	876	Family households
94	AVGFAMSIZE	Num	5	2	877	881	Average family size
95	MDFAMINC	Num	6		882	887	Median family income
96	NOFAMHH	Num	9		888	896	Non-family households
97	MDNOFAMINC	Num	6		897	902	Median non-family income
98	HOUSUNITS	Num	9		903	911	Housing units
99	MDNUMROOMS	Num	5	1	912	916	Median number of rooms
100	MDYRBUILT	Num	4		917	920	Median year built
101	OCCUHU	Num	9		921	929	Occupied housing units
102	HWHITE	Num	9		930	938	Householder who is White
103	HBLACK	Num	9		939	947	Householder who is Black or African American
104	HNATIVE	Num	9		948	956	Householder who is American Indian or Alaska Native
105	HASIAN	Num	9		957	965	Householder who is Asian
106	HHAWAIIAN	Num	9		966	974	Householder who is Native Hawaiian or other Pacific Islander
107	HOTHE RRACE	Num	9		975	983	Householder who is another race
108	HMULTIRACE	Num	9		984	992	Householder who is two or more races
109	HLATINO	Num	9		993	1001	Hispanic or Latino householder
110	AVGNUMVEH	Num	5	1	1002	1006	Average number of vehicles
111	OWNEROCCHU	Num	9		1007	1015	Owner-occupied housing units
112	MDHOMEVAL	Num	7		1016	1022	Median home value
113	RENTEROCHU	Num	9		1023	1031	Renter-occupied housing units

114	MDGRENTPCT	Num	5	1	1032	1036	Median gross rent as a percentage of income
115	MDGRENT	Num	4		1037	1040	Median gross rent
116	MDCRENT	Num	4		1041	1044	Median contract rent
117	VACANTHU	Num	9		1045	1053	Vacant housing units

LAYOUT OF ALTERNATE PLACES FILE

Field Count: 9

Total Length: 108

Record Count: 75,068

FIELD NUMBER	FIELD NAME	FIELD TYPE	FIELD LENGTH	DECIMAL PLACES	START POSITION	END POSITION	DESCRIPTION
1	PID	Chr	15		1	15	Primary key; unique identifier for each record
2	ZIP	Chr	5		16	20	USPS 5-digit ZIP Code
3	PLACEFLAG	Chr	1		21	21	Place Flag: A = Place is acceptable for use on the last line of mailings U = Place is unacceptable for use on the last line of mailings
4	PLACE	Chr	28		22	49	Place Name
5	PLACE13	Chr	13		50	62	Abbreviated place name
6	PREFER	Chr	28		63	90	Preferred place name
7	PREFER13	Chr	13		91	103	Abbreviated preferred place name
8	STATEAB	Chr	2		104	105	USPS state postal abbreviation
9	COUNTYFP	Chr	3		106	108	County FIPS Code

Note that the layouts above are also available in Excel XLS files provided with the database. Programmers can use these files to create table shells for the pdZIP data.

IMPORTING DATA INTO YOUR SYSTEM

pdZIP is designed to be compatible with any database system. It comes in multiple file formats, uses only the ANSI character set, and has a well-defined layout.

FILE FORMATS

The database is available in three common file formats. Each format contains the same data.

Available file formats are:

CSV-COMMA SEPARATED VALUES

Files in Comma Separated Values (CSV) format (also known as Comma Delimited) separate fields with commas, and alpha/numeric character fields are usually delimited with double quotes (in case some of the field content includes

commas). This format is the most commonly used. It is a native format for Microsoft Excel and is compatible with nearly all database management systems and spreadsheets.

TXT-FIXED LENGTH

Files in Fixed Length (TXT) format (also known as Standard Data Format or SDF) use constant field positions and lengths for all records. In other words, each field starts and ends at the same place in the text file and each record is on a separate line. While not as popular as comma separated values, this format is preferred by many due to its input precision and is widely used to transfer data between different software programs. It is compatible with most database management systems and spreadsheets.

DBF-DATABASE

Files in DBF database format (also known as xBase) are native to Microsoft FoxPro and Visual FoxPro, dataBased Intelligence dBase, Alaska Software XBase++, Apollo Database Engine, Apycom Software DBFView, Astersoft DBF Manager, DS-Datasoft Visual DBU, Elsoft DBF Commander, GrafX Software Clipper and Vulcan.NET, Multisoft FlagShip, Recital Software Recital, Software Perspectives Cule.Net, and xHarbour.com xHarbour. They are also compatible with any database management system that can import the DBF (xBase) format, such as Microsoft Access, Microsoft SQL Server, and numerous others.

CHARACTER SET

The ANSI character set is utilized for all database records. This includes ASCII values 0 to 127 and extended values 128 to 255. These are also known as the extended Latin alphabet. Some users may need to configure their database system to import the extended values. In many cases the option will be labeled the “Latin-1” character set.

DATABASE VERSION NUMBER

Depending on the file format, the version number of each copy of *pdZIP* is written in the first or second row of the first or second column of the database files in X.X.X.YYYY.X.X format. The first number is the main version number of the release. The number after the first dot is the update for the version indicated. The number after the second dot references a minor revision. The number after the third dot indicates the year of release. The number after the fourth dot is the USPS data update for the year indicated. The number after the fifth dot references a minor revision to the USPS data update.

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