



Tone Values

Table E-1 lists the tones along with their corresponding decimal and hexadecimal values, and port addresses. These numerical values and port addresses are used with the following:

- Inpulse rules
- Voice Path Control (\$66) command (\$66)
- DTMF Collection Control (\$67) (Enhanced) command

Table E-1 Tones, Values, and Port Addresses

Tone	Decimal Value	Hex Value	Port Address
Beep	0	00	None
Quiet	1	01	04C0
1 kHz	2	02	04C1
Dial Tone	3	03	04C2
380 Hz	4	04	04C3
440 Hz	5	05	04C4
480 Hz	6	06	04C5
1400 Hz	7	07	04C6
1000 Hz @ max CODEC output	8	08	04C7
913.8 Hz SIT	9	09	04C8
404 Hz	10	0A	04C9
1004 Hz	11	0B	04CA
2804 Hz	12	0C	04CB
Steady Ring Back	13	0D	04CC
1760 Hz Pay Phone Trigger	14	0E	04CD
Digital Test Pattern	15	0F	04CE
Unused	16	10	04CF
Ringback (2 seconds on/4 seconds off)	17	11	04D0
Line Busy (0.5 second on/0.5 second off)	18	12	04D1
Reorder (0.25 second on/0.25 second off)	19	13	04D2

Table E-1 Tones, Values, and Port Addresses (continued)

Tone	Decimal Value	Hex Value	Port Address
NAK tone (380 Hz, 1 second on/0.1 second off)	20	14	04D3
BONG (Operator Access)	21	15	04D4
Unused	22–24	16–18	04D5–04D7
1780 Hz	25	19	04D8
2010 Hz	26	1A	04D9
Unused	27–32	20	04DA–04DF
DTMF digit 0 (steady)	33	21	04E0
DTMF digit 1 (steady)	34	22	04E1
DTMF digit 2 (steady)	35	23	04E2
DTMF digit 3 (steady)	36	24	04E3
DTMF digit 4 (steady)	37	25	04E4
DTMF digit 5 (steady)	38	26	04E5
DTMF digit 6 (steady)	39	27	04E6
DTMF digit 7 (steady)	40	28	04E7
DTMF digit 8 (steady)	41	29	04E8
DTMF digit 9 (steady)	42	2A	04E9
DTMF digit A (steady)	43	2B	04EA
DTMF digit B (steady)	44	2C	04EB
DTMF digit C (steady)	45	2D	04EC
DTMF digit D (steady)	46	2E	04ED
DTMF digit * (steady)	47	2F	04EE
DTMF digit # (steady)	48	30	04EF
MF digit 0 (steady)	49	31	04F0
MF digit 1 (steady)	50	32	04F1
MF digit 2 (steady)	51	33	04F2
MF digit 3 (steady)	52	34	04F3
MF digit 4 (steady)	53	35	04F4
MF digit 5 (steady)	54	36	04F5
MF digit 6 (steady)	55	37	04F6
MF digit 7 (steady)	56	38	04F7
MF digit 8 (steady)	57	39	04F8
MF digit 9 (steady)	58	3A	04F9
MF digit KP (steady)	59	3B	04FA
MF digit ST (steady)	60	3C	04FB
MF digit STP (steady)	61	3D	04FC

Table E-1 Tones, Values, and Port Addresses (continued)

Tone	Decimal Value	Hex Value	Port Address
MF digit ST2P (steady)	62	3E	04FD
MF digit ST3P (steady)	63	3F	04FE

