

Documentation Développeurs Apple Computer France 1987

Document développeur numéro 28

Opcodes 816, name arranged

type d'upgrade de ce document : 3

- 1 Documentation de première catégorie inchangée
- 2 Documentation de deuxième catégorie mise à jour
- 3 Documentation de deuxième catégorie inchangée
- 4 Mise à jour payante de la documentation de première catégorie
- 5 Mise à jour gratuite de la documentation de première catégorie
- 6 Nouveautés payantes non vitales
- 7 Nouveautés gratuites et vitales

Taille : 25 page(s) environ

Domaine : 816

VERSION :
DATE : 1.06.85

| Name | Mode | Bytes | Opcode # |
|---------|---------|-------|---------------------------------|
| # | | | Immediate |
| (a) | | | absolute indirect |
| (a,x) | | | absolute indexed indirect |
| (d) | | | direct indirect |
| (d),y | | | direct indirect indexed |
| (d,x) | | | direct indexed indirect |
| (r,s),y | | | stack relative indirect indexed |
| a | | | absolute |
| a,x | | | absolute indexed (with x) |
| a,y | | | absolute indexed (with y) |
| Acc | | | Accumulator |
| al | | | absolute long |
| al,x | | | absolute indexed long |
| d | | | direct |
| d,x | | | direct indexed (with x) |
| d,y | | | direct indexed (with y) |
| i | | | implied |
| r | | | program counter relative |
| r,s | | | stack relative |
| rl | | | program counter relative long |
| s | | | stack |
| xya | | | block move |
| [d] | | | direct indirect long |
| [d],y | | | direct indirect indexed long |
| ADC | (d) | 2 | 72 |
| ADC | (d),y | 2 | 71 |
| ADC | (d,x) | 2 | 61 |
| ADC | (r,s),y | 2 | 73 |
| ADC | d | 2 | 65 |
| ADC | d,x | 2 | 75 |
| ADC | r,s | 2 | 63 |
| ADC | [d] | 2 | 67 |
| ADC | [d],y | 2 | 77 |
| ADC | # | 2 (3) | 69 |
| ADC | a | 3 | 6D |
| ADC | a,x | 3 | 7D |
| ADC | a,y | 3 | 79 |
| ADC | al | 4 | 6F |
| ADC | al,x | 4 | 7F |
| AND | (d) | 2 | 32 |
| AND | (d),y | 2 | 31 |
| AND | (d,x) | 2 | 21 |
| AND | (r,s),y | 2 | 33 |
| AND | d | 2 | 25 |
| AND | d,x | 2 | 35 |
| AND | r,s | 2 | 23 |
| AND | [d] | 2 | 27 |
| AND | [d],y | 2 | 37 |
| AND | # | 2 (3) | 29 |
| AND | a | 3 | 2D |

File: OP CODE.016.BYTE

Report: Name Arranged

| Name | Mode | Bytes | Opcode # |
|------|---------|-------|----------|
| AND | a,x | 3 | 3D |
| AND | a,y | 3 | 39 |
| AND | al | 4 | 2F |
| AND | al,x | 4 | 3F |
| ASL | Acc | 1 | 0A |
| ASL | d | 2 | 06 |
| ASL | d,x | 2 | 16 |
| ASL | a | 3 | 0E |
| ASL | a,x | 3 | 1E |
| BCC | r | 2 | 90 |
| BCS | r | 2 | B0 |
| BEQ | r | 2 | F0 |
| BIT | d | 2 | 24 |
| BIT | d,x | 2 | 34 |
| BIT | # | 2 (3) | 89 |
| BIT | a | 3 | 2C |
| BIT | a,x | 3 | 3C |
| BMI | r | 2 | 30 |
| BNE | r | 2 | D0 |
| BPL | r | 2 | 10 |
| BRA | r | 2 | 80 |
| BRK | i | 2 | 00 |
| BRL | r | 3 | 82 |
| BVC | r | 2 | 50 |
| BVS | r | 2 | 70 |
| CLC | i | 1 | 18 |
| CLD | i | 1 | D8 |
| CLI | i | 1 | 58 |
| CLV | i | 1 | B8 |
| CMP | (d) | 2 | D2 |
| CMP | (d),y | 2 | D1 |
| CMP | (d,x) | 2 | C1 |
| CMP | (r,s),y | 2 | D3 |
| CMP | d | 2 | C5 |
| CMP | d,x | 2 | D5 |
| CMP | r,s | 2 | C3 |
| CMP | [d] | 2 | C7 |
| CMP | [d],y | 2 | D7 |
| CMP | # | 2 (3) | C9 |
| CMP | a | 3 | CD |
| CMP | a,x | 3 | DD |
| CMP | a,y | 3 | D9 |
| CMP | al | 4 | CF |
| CMP | al,x | 4 | DF |
| COP | i | 2 | 02 |
| CPX | d | 2 | E4 |
| CPX | # | 2 (3) | E0 |
| CPX | a | 3 | EC |
| CPY | d | 2 | C4 |
| CPY | # | 2 (3) | C0 |

File: OP CODE.016.BYTE
 Report: Name Arranged
 Name Mode Bytes Opcode #

| Name | Mode | Bytes | Opcode # |
|------|---------|-------|----------|
| CPY | a | 3 | CC |
| DEC | Acc | 1 | 3A |
| DEC | d | 2 | C6 |
| DEC | d,x | 2 | D6 |
| DEC | a | 3 | CE |
| DEC | a,x | 3 | DE |
| DEX | i | 1 | CA |
| DEY | i | 1 | 8B |
| EOR | (d) | 2 | 52 |
| EOR | (d),y | 2 | 51 |
| EOR | (d,x) | 2 | 41 |
| EOR | (r,s),y | 2 | 53 |
| EOR | d | 2 | 45 |
| EOR | d,x | 2 | 55 |
| EOR | r,s | 2 | 43 |
| EOR | [d] | 2 | 47 |
| EOR | [d],y | 2 | 57 |
| EOR | # | 2 (3) | 49 |
| EOR | a | 3 | 4D |
| EOR | a,x | 3 | 5D |
| EOR | a,y | 3 | 59 |
| EOR | a1 | 4 | 4F |
| EOR | a1,x | 4 | 5F |
| INC | Acc | 1 | 1A |
| INC | d | 2 | E6 |
| INC | d,x | 2 | F6 |
| INC | a | 3 | EE |
| INC | a,x | 3 | FE |
| INX | i | 1 | E8 |
| INY | i | 1 | C8 |
| JML | (a) | 3 | DC |
| JMP | (a) | 3 | 6C |
| JMP | (a,x) | 3 | 7C |
| JMP | a | 3 | 4C |
| JMP | a1 | 4 | 5C |
| JSL | a1 | 4 | 22 |
| JSR | (a,x) | 3 | FC |
| JSR | a | 3 | 20 |
| LDA | (d) | 2 | B2 |
| LDA | (d),y | 2 | B1 |
| LDA | (d,x) | 2 | A1 |
| LDA | (r,s),y | 2 | B3 |
| LDA | d | 2 | A5 |
| LDA | d,x | 2 | B5 |
| LDA | r,s | 2 | A3 |
| LDA | [d] | 2 | A7 |
| LDA | [d],y | 2 | B7 |
| LDA | # | 2 (3) | A9 |
| LDA | a | 3 | AD |
| LDA | a,x | 3 | BD |

| File: | OPCODE.B16.BYTE | | | |
|---------|-----------------|----------|-------|----------|
| Report: | Name | Arranged | Bytes | Opcode # |
| Name | Mode | | | |
| LDA | a,y | | 3 | B9 |
| LDA | al | | 4 | AF |
| LDA | al,x | | 4 | BF |
| LDX | d | | 2 | A6 |
| LDX | d,y | | 2 | B6 |
| LDX | # | (3) | 2 | A2 |
| LDX | a | | 3 | AE |
| LDX | a,y | | 3 | BE |
| LDX | d | | 2 | A4 |
| LDY | d,x | | 2 | B4 |
| LDY | # | (3) | 2 | A0 |
| LDY | a | | 3 | AC |
| LDY | a,x | | 3 | BC |
| LSR | Acc | | 1 | 4A |
| LSR | d | | 2 | 46 |
| LSR | d,x | | 2 | 56 |
| LSR | a | | 3 | 4E |
| LSR | a,x | | 3 | 5E |
| MN | xya | | 3 | 54 |
| MVP | xya | | 3 | 44 |
| NOP | i | | 1 | EA |
| ORA | (d) | | 2 | 12 |
| ORA | (d),y | | 2 | 11 |
| ORA | (d,x) | | 2 | 01 |
| ORA | (r,s),y | | 2 | 13 |
| ORA | d | | 2 | 05 |
| ORA | d,x | | 2 | 15 |
| ORA | r,s | | 2 | 03 |
| ORA | [d] | | 2 | 07 |
| ORA | [d],y | | 2 | 17 |
| ORA | # | (3) | 2 | 09 |
| ORA | a | | 3 | 0D |
| ORA | a,x | | 3 | 1D |
| ORA | a,y | | 3 | 19 |
| ORA | al | | 4 | 0F |
| ORA | al,x | | 4 | 1F |
| PEA | s | | 3 | F4 |
| PEI | s | | 2 | D4 |
| PER | s | | 3 | 62 |
| PHA | s | | 1 | 48 |
| PHB | s | | 1 | 8B |
| PHD | s | | 1 | 0B |
| PHK | s | | 1 | 4B |
| PHP | s | | 1 | 08 |
| PHX | s | | 1 | DA |
| PHY | s | | 1 | 5A |
| PLA | s | | 1 | 68 |
| PLB | s | | 1 | AB |
| PLD | s | | 1 | 2B |
| PLP | s | | 1 | 28 |

File: OP CODE.016.BYTE

Report: Name Arranged
Name Mode Bytes Opcode #

| Name | Mode | Bytes | Opcode # |
|------|---------|-------|----------|
| PLX | s | 1 | FA |
| PLY | s | 1 | 7A |
| REP | # | 2 | C2 |
| ROL | Acc | 1 | 2A |
| ROL | d | 2 | 26 |
| ROL | d,x | 2 | 36 |
| ROL | a | 3 | 2E |
| ROL | a,x | 3 | 3E |
| ROR | Acc | 1 | 6A |
| ROR | d | 2 | 66 |
| ROR | d,x | 2 | 76 |
| ROR | a | 3 | 6E |
| ROR | a,x | 3 | 7E |
| ROR | a,x | 3 | 7E |
| RTI | s | 1 | 40 |
| RTL | s | 1 | 6B |
| RTS | s | 1 | 60 |
| SBC | (d) | 2 | F2 |
| SBC | (d),y | 2 | F1 |
| SBC | (d,x) | 2 | E1 |
| SBC | (r,s),y | 2 | F3 |
| SBC | d | 2 | E5 |
| SBC | d,x | 2 | F5 |
| SBC | r,s | 2 | E3 |
| SBC | [d] | 2 | E7 |
| SBC | [d],y | 2 | F7 |
| SBC | # | 2 (3) | E9 |
| SBC | a | 3 | ED |
| SBC | a,x | 3 | FD |
| SBC | a,y | 3 | F9 |
| SBC | a1 | 4 | EF |
| SBC | a1,x | 4 | FF |
| SEC | i | 1 | 38 |
| SED | i | 1 | F8 |
| SEI | i | 1 | 78 |
| SEP | # | 2 | E2 |
| STA | (d) | 2 | 92 |
| STA | (d),y | 2 | 91 |
| STA | (d,x) | 2 | 81 |
| STA | (r,s),y | 2 | 93 |
| STA | d | 2 | 85 |
| STA | d,x | 2 | 95 |
| STA | r,s | 2 | 83 |
| STA | [d] | 2 | 87 |
| STA | [d],y | 2 | 97 |
| STA | a | 3 | 8D |
| STA | a,x | 3 | 9D |
| STA | a,y | 3 | 99 |
| STA | a1 | 4 | 8F |
| STA | a1,x | 4 | 9F |
| STP | i | 1 | DB |

File: OPCODE.016.BYTE

Report: Name Arranged

| Name | Mode | Bytes | Opcode # |
|------|------|-------|----------|
| STX | d | 2 | 86 |
| STX | d,y | 2 | 96 |
| STX | a | 3 | 8E |
| STY | d | 2 | 84 |
| STY | d,x | 2 | 94 |
| STY | a | 3 | 8C |
| STZ | d | 2 | 64 |
| STZ | d,x | 2 | 74 |
| STZ | a | 3 | 9C |
| STZ | a,x | 3 | 9E |
| TAX | i | 1 | AA |
| TAY | i | 1 | AB |
| TCD | i | 1 | 5B |
| TCS | i | 1 | 1B |
| TDC | i | 1 | 7B |
| TRB | d | 2 | 14 |
| TRB | d | 3 | 1C |
| TSB | d | 2 | 04 |
| TSB | a | 3 | 0C |
| TSC | i | 1 | 3B |
| TSX | i | 1 | BA |
| TXA | i | 1 | 8A |
| TXS | i | 1 | 9A |
| TXY | i | 1 | 9B |
| TYA | i | 1 | 98 |
| TYX | i | 1 | BB |
| WAI | i | 1 | CB |
| WDM | i | 2 | 42 |
| XBA | i | 1 | EB |
| XCE | i | 1 | FB |

File:
 Report:
 Name

OPCODE.016.BYTE
 Mode Arranged
 Mode Bytes

Opcode #

| Opcode Name | Mode | Bytes | Opcode # |
|-------------|---------|-------|---------------------------------|
| | | | Immediate |
| ADC | H | 2 (3) | 69 |
| AND | H | 2 (3) | 29 |
| BIT | H | 2 (3) | 89 |
| CMP | H | 2 (3) | C9 |
| CPX | H | 2 (3) | E0 |
| CPY | H | 2 (3) | C0 |
| EOR | H | 2 (3) | 49 |
| LDA | H | 2 (3) | A9 |
| LDX | H | 2 (3) | A2 |
| LDY | H | 2 (3) | A0 |
| LDR | H | 2 (3) | 09 |
| ORA | H | 2 | C2 |
| REP | H | 2 (3) | E9 |
| SBC | H | 2 | E2 |
| SEP | H | 2 | absolute indirect |
| | (a) | | DC |
| JML | (a) | 3 | 6C |
| JMP | (a) | 3 | absolute indexed indirect |
| | (a,x) | | 7C |
| JMP | (a,x) | 3 | FC |
| JSR | (a,x) | 3 | direct indirect |
| | (d) | | 72 |
| ADC | (d) | 2 | 32 |
| AND | (d) | 2 | D2 |
| CMP | (d) | 2 | 52 |
| EOR | (d) | 2 | B2 |
| LDA | (d) | 2 | 12 |
| ORA | (d) | 2 | F2 |
| SBC | (d) | 2 | 92 |
| STA | (d) | 2 | direct indirect indexed |
| | (d),y | | 71 |
| ADC | (d),y | 2 | 31 |
| AND | (d),y | 2 | D1 |
| CMP | (d),y | 2 | 51 |
| EOR | (d),y | 2 | B1 |
| LDA | (d),y | 2 | 11 |
| ORA | (d),y | 2 | F1 |
| SBC | (d),y | 2 | 91 |
| STA | (d),y | 2 | direct indexed indirect |
| | (d,x) | | 61 |
| ADC | (d,x) | 2 | 21 |
| AND | (d,x) | 2 | C1 |
| CMP | (d,x) | 2 | 41 |
| EOR | (d,x) | 2 | A1 |
| LDA | (d,x) | 2 | 01 |
| ORA | (d,x) | 2 | E1 |
| SBC | (d,x) | 2 | B1 |
| STA | (d,x) | 2 | stack relative indirect indexed |
| | (r,s),y | | 73 |
| ADC | (r,s),y | 2 | |

File: OPCODE.016.BYTE
Report: Mode Arranged
Name: Mode Bytes

Opcode #

| Name | Mode | Bytes | Opcode # |
|------|---------|-------|---------------------------|
| AND | (r,s),y | 2 | 33 |
| OMP | (r,s),y | 2 | D3 |
| EOR | (r,s),y | 2 | 53 |
| LDA | (r,s),y | 2 | B3 |
| ORA | (r,s),y | 2 | 13 |
| SBC | (r,s),y | 2 | F3 |
| STA | (r,s),y | 2 | 93 |
| | | | absolute |
| ADC | a | 3 | 6D |
| AND | a | 3 | 2D |
| ASL | a | 3 | 0E |
| BIT | a | 3 | 2C |
| OMP | a | 3 | CD |
| CPX | a | 3 | EC |
| CPY | a | 3 | CC |
| DEC | a | 3 | CE |
| EOR | a | 3 | 4D |
| INC | a | 3 | EE |
| JMP | a | 3 | 4C |
| JSR | a | 3 | 20 |
| LDA | a | 3 | AD |
| LDX | a | 3 | AE |
| LDY | a | 3 | AC |
| LSR | a | 3 | 4E |
| ORA | a | 3 | 0D |
| ROL | a | 3 | 2E |
| ROR | a | 3 | 6E |
| SBC | a | 3 | ED |
| STA | a | 3 | 8D |
| STX | a | 3 | 8E |
| STY | a | 3 | 8C |
| STZ | a | 3 | 9C |
| TRB | a | 3 | 1C |
| TSB | a | 3 | 0C |
| | | | absolute indexed (with x) |
| ADC | a,x | 3 | 7D |
| AND | a,x | 3 | 3D |
| ASL | a,x | 3 | 1E |
| BIT | a,x | 3 | 3C |
| OMP | a,x | 3 | DD |
| DEC | a,x | 3 | DE |
| EOR | a,x | 3 | 5D |
| INC | a,x | 3 | FE |
| LDA | a,x | 3 | BD |
| LDY | a,x | 3 | BC |
| LSR | a,x | 3 | 5E |
| ORA | a,x | 3 | 1D |
| ROL | a,x | 3 | 3E |
| ROR | a,x | 3 | 7E |
| SBC | a,x | 3 | FD |

File: OPCODE.016.BYTE

Report: Mode Arranged

| Name | Mode | Bytes | Opcode # |
|------|------|-------|---------------------------|
| STA | a,x | 3 | 9D |
| STZ | a,x | 3 | 9E |
| | a,y | | absolute indexed (with y) |
| ADC | a,y | 3 | 79 |
| AND | a,y | 3 | 39 |
| CMP | a,y | 3 | D9 |
| EOR | a,y | 3 | 59 |
| LDA | a,y | 3 | B9 |
| LDX | a,y | 3 | BE |
| ORA | a,y | 3 | 19 |
| SBC | a,y | 3 | F9 |
| STA | a,y | 3 | 99 |
| | Acc | | Accumulator |
| ASL | Acc | 1 | 0A |
| DEC | Acc | 1 | 3A |
| INC | Acc | 1 | 1A |
| LSR | Acc | 1 | 4A |
| ROL | Acc | 1 | 2A |
| ROR | Acc | 1 | 6A |
| | al | | absolute long |
| ADC | al | 4 | 6F |
| AND | al | 4 | 2F |
| CMP | al | 4 | CF |
| EOR | al | 4 | 4F |
| JMP | al | 4 | 5C |
| JSL | al | 4 | 22 |
| LDA | al | 4 | AF |
| ORA | al | 4 | 0F |
| SBC | al | 4 | EF |
| STA | al | 4 | 8F |
| | al,x | | absolute indexed long |
| ADC | al,x | 4 | 7F |
| AND | al,x | 4 | 3F |
| CMP | al,x | 4 | DF |
| EOR | al,x | 4 | 5F |
| LDA | al,x | 4 | BF |
| ORA | al,x | 4 | 1F |
| SBC | al,x | 4 | FF |
| STA | al,x | 4 | 9F |
| | d | | direct |
| ADC | d | 2 | 65 |
| AND | d | 2 | 25 |
| ASL | d | 2 | 06 |
| BIT | d | 2 | 24 |
| CMP | d | 2 | C5 |
| CPX | d | 2 | E4 |
| CPY | d | 2 | C4 |
| DEC | d | 2 | C6 |
| EOR | d | 2 | 45 |
| INC | d | 2 | E6 |

File: OPCODE.B16.BYTE
 Report: Mode Arranged
 Name Mode Bytes

Opcode #

| Name | Mode | Bytes | Opcode # |
|------|------|-------|-------------------------|
| LDA | d | 2 | A5 |
| LDX | dd | 2 | A6 |
| LDY | ddd | 2 | A4 |
| LSR | ddd | 2 | 46 |
| ORA | ddd | 2 | 05 |
| ROL | ddd | 2 | 26 |
| ROR | ddd | 2 | 66 |
| SBC | ddd | 2 | E5 |
| STA | ddd | 2 | 85 |
| STX | ddd | 2 | 86 |
| STY | ddd | 2 | 84 |
| STZ | ddd | 2 | 64 |
| TRB | ddd | 2 | 14 |
| TSB | ddd | 2 | 04 |
| | d,x | | direct indexed (with x) |
| ADC | d,x | 2 | 75 |
| AND | d,x | 2 | 35 |
| ASL | d,x | 2 | 16 |
| BIT | d,x | 2 | 34 |
| CMP | d,x | 2 | D5 |
| DEC | d,x | 2 | D6 |
| EOR | d,x | 2 | 55 |
| INC | d,x | 2 | F6 |
| LDA | d,x | 2 | B5 |
| LDY | d,x | 2 | B4 |
| LSR | d,x | 2 | 56 |
| ORA | d,x | 2 | 15 |
| ROL | d,x | 2 | 36 |
| ROR | d,x | 2 | 76 |
| SBC | d,x | 2 | F5 |
| STA | d,x | 2 | 95 |
| STY | d,x | 2 | 94 |
| STZ | d,x | 2 | 74 |
| | d,y | | direct indexed (with y) |
| LDX | d,y | 2 | B6 |
| STX | d,y | 2 | 96 |
| | --- | | implied |
| BRK | --- | 2 | 00 |
| CLC | --- | 1 | 18 |
| CLD | --- | 1 | D8 |
| CLI | --- | 1 | 58 |
| CLV | --- | 1 | B8 |
| COP | --- | 2 | 02 |
| DEX | --- | 1 | CA |
| DEY | --- | 1 | 88 |
| INX | --- | 1 | E8 |
| INY | --- | 1 | C8 |
| NOP | --- | 1 | EA |
| SEC | --- | 1 | 38 |
| SED | --- | 1 | F8 |

| 1101 report 1 name | OPCODE.016.BYTE Mode Arranged Mode | Bytes | Opcode # |
|--------------------------|------------------------------------------|-------|-------------------------------|
| BEI | | 1 | 70 |
| BTP | | 1 | DB |
| TAX | | 1 | AA |
| TAY | | 1 | AB |
| TCD | | 1 | 5B |
| TCS | | 1 | 1B |
| TDC | | 1 | 7B |
| TSC | | 1 | 3B |
| TSX | | 1 | 8A |
| TXA | | 1 | 8A |
| TXS | | 1 | 9A |
| TXY | | 1 | 9B |
| TYA | | 1 | 9B |
| TYX | | 1 | BB |
| WAI | | 1 | CB |
| WDM | | 2 | 42 |
| XBA | | 1 | EB |
| XCE | | 1 | FB |
| | | | program counter relative |
| BCC | 7 | 2 | 90 |
| BCS | 7 | 2 | 80 |
| BEQ | 7 | 2 | F0 |
| BMI | 7 | 2 | 30 |
| BNE | 7 | 2 | D0 |
| BPL | 7 | 2 | 10 |
| BRA | 7 | 2 | 80 |
| BVC | 7 | 2 | 50 |
| BVS | 7 | 2 | 70 |
| | | | stack relative |
| ADC | 7,8 | 2 | 43 |
| AND | 7,8 | 2 | 23 |
| CMF | 7,8 | 2 | C3 |
| EOR | 7,8 | 2 | 43 |
| LDA | 7,8 | 2 | A3 |
| LDA | 7,8 | 2 | 03 |
| ORA | 7,8 | 2 | E3 |
| SBC | 7,8 | 2 | 83 |
| STA | 7,8 | 2 | 83 |
| | | | program counter relative long |
| BRL | 7,8 | 3 | 82 |
| | | | stack |
| PEA | 8 | 3 | F4 |
| PEI | 8 | 2 | D4 |
| PER | 8 | 3 | 62 |
| PHA | 8 | 1 | 48 |
| PHB | 8 | 1 | 88 |
| PHD | 8 | 1 | 08 |
| PHK | 8 | 1 | 48 |
| PHP | 8 | 1 | 08 |
| PHX | 8 | 1 | DA |
| PHY | 8 | 1 | 5A |

| Opcode | Mode | Bytes | Opcode # |
|--------|-------|-------|------------------------------|
| 'LA | s | 1 | 6B |
| 'LB | s | 1 | AB |
| 'LD | s | 1 | 2B |
| 'LP | s | 1 | 2B |
| 'LX | s | 1 | FA |
| 'LY | s | 1 | 7A |
| RTI | s | 1 | 40 |
| RTL | s | 1 | 6B |
| RTS | s | 1 | 60 |
| | xya | | block move |
| MVN | xya | 3 | 54 |
| MVP | xya | 3 | 44 |
| | [d] | | direct indirect long |
| ADC | [d] | 2 | 67 |
| AND | [d] | 2 | 27 |
| CMP | [d] | 2 | C7 |
| EOR | [d] | 2 | 47 |
| LDA | [d] | 2 | A7 |
| ORA | [d] | 2 | 07 |
| SBC | [d] | 2 | E7 |
| STA | [d] | 2 | 87 |
| | [d],y | | direct indirect indexed long |
| ADC | [d],y | 2 | 77 |
| AND | [d],y | 2 | 37 |
| CMP | [d],y | 2 | D7 |
| EOR | [d],y | 2 | 57 |
| LDA | [d],y | 2 | B7 |
| ORA | [d],y | 2 | 17 |
| SBC | [d],y | 2 | F7 |
| STA | [d],y | 2 | 97 |

| Report Name | Byte Arranged Mode | Bytes | Opcode # |
|-------------|--------------------|-------|---------------------------------|
| | # | | Immediate |
| | (a) | | absolute indirect |
| | (a,x) | | absolute indexed indirect |
| | (d) | | direct indirect |
| | (d),y | | direct indirect indexed |
| | (d,x) | | direct indexed indirect |
| | (r,s),y | | stack relative indirect indexed |
| | a | | absolute |
| | a,x | | absolute indexed (with x) |
| | a,y | | absolute indexed (with y) |
| | Acc | | Accumulator |
| | al | | absolute long |
| | al,x | | absolute indexed long |
| | d | | direct |
| | d,x | | direct indexed (with x) |
| | d,y | | direct indexed (with y) |
| | i | | implied |
| | r | | program counter relative |
| | r,s | | stack relative |
| | ri | | program counter relative long |
| | s | | stack |
| | xya | | block move |
| | [d] | | direct indirect long |
| | [d],y | | direct indirect indexed long |
| ASL | Acc | 1 | 0A |
| DEC | Acc | 1 | 3A |
| INC | Acc | 1 | 1A |
| LSR | Acc | 1 | 4A |
| ROL | Acc | 1 | 2A |
| ROR | Acc | 1 | 6A |
| CLC | i | 1 | 18 |
| CLD | i | 1 | D8 |
| CLI | i | 1 | 58 |
| CLV | i | 1 | B8 |
| DEX | i | 1 | CA |
| DEY | i | 1 | 88 |
| INX | i | 1 | E8 |
| INY | i | 1 | C8 |
| NOP | i | 1 | EA |
| SEC | i | 1 | 38 |
| SED | i | 1 | F8 |
| SEI | i | 1 | 78 |
| STP | i | 1 | DB |
| TAX | i | 1 | AA |
| TAY | i | 1 | A8 |
| TCD | i | 1 | 5B |
| TCS | i | 1 | 1B |
| TDC | i | 1 | 7B |
| TSC | i | 1 | 3B |
| TSX | i | 1 | BA |

| Opcode | Byte Arranged | Mode | Bytes | Opcode # |
|--------|---------------|------|-------|----------|
| TXA | | | 1 | 8A |
| TXS | | | 1 | 9A |
| TXY | | | 1 | 9B |
| TYA | | | 1 | 9B |
| TYX | | | 1 | BB |
| WAI | | | 1 | CB |
| XBA | | | 1 | EB |
| XCE | | | 1 | FB |
| PHA | S | | 1 | 4B |
| PHB | S | | 1 | 8B |
| PHD | S | | 1 | 0B |
| PHK | S | | 1 | 4B |
| PHP | S | | 1 | 0B |
| PIX | S | | 1 | DA |
| PHY | S | | 1 | 5A |
| PLA | S | | 1 | 6B |
| PLB | S | | 1 | AB |
| PLD | S | | 1 | 2B |
| PLP | S | | 1 | 2B |
| PLX | S | | 1 | FA |
| PLY | S | | 1 | 7A |
| RTI | S | | 1 | 40 |
| RTL | S | | 1 | 6B |
| RTS | S | | 1 | 60 |
| REP | # | | 2 | C2 |
| SEP | # | | 2 | E2 |
| ADC | (d) | | 2 | 72 |
| AND | (d) | | 2 | 32 |
| OMP | (d) | | 2 | D2 |
| EOR | (d) | | 2 | S2 |
| LDA | (d) | | 2 | B2 |
| ORA | (d) | | 2 | 12 |
| SBC | (d) | | 2 | F2 |
| STA | (d) | | 2 | 92 |
| ADC | (d),y | | 2 | 71 |
| AND | (d),y | | 2 | 31 |
| OMP | (d),y | | 2 | D1 |
| EOR | (d),y | | 2 | S1 |
| LDA | (d),y | | 2 | B1 |
| ORA | (d),y | | 2 | 11 |
| SBC | (d),y | | 2 | F1 |
| STA | (d),y | | 2 | 91 |
| ADC | (d),x | | 2 | 61 |
| AND | (d),x | | 2 | 21 |
| OMP | (d),x | | 2 | C1 |
| EOR | (d),x | | 2 | 41 |
| LDA | (d),x | | 2 | A1 |
| ORA | (d),x | | 2 | 01 |
| SBC | (d),x | | 2 | E1 |
| STA | (d),x | | 2 | 81 |

| Report Name | OPCODE.816.BYTE Byte Arranged Mode | Bytes | Opcode # |
|----------------|------------------------------------------|-------|----------|
| ADC | (r,s),y | 2 | 73 |
| AND | (r,s),y | 2 | 83 |
| OMP | (r,s),y | 2 | 03 |
| EOR | (r,s),y | 2 | 53 |
| LDA | (r,s),y | 2 | B3 |
| ORA | (r,s),y | 2 | 13 |
| SBC | (r,s),y | 2 | F3 |
| STA | (r,s),y | 2 | 93 |
| ADC | d | 2 | 65 |
| AND | d | 2 | 25 |
| ASL | d | 2 | 06 |
| BIT | d | 2 | 24 |
| OMP | d | 2 | C5 |
| CPX | d | 2 | E4 |
| CPY | d | 2 | C4 |
| DEC | d | 2 | C6 |
| EOR | d | 2 | 45 |
| INC | d | 2 | E6 |
| LDA | d | 2 | A5 |
| LDX | d | 2 | A6 |
| LDY | d | 2 | A4 |
| LSR | d | 2 | 46 |
| ORA | d | 2 | 05 |
| ROL | d | 2 | 26 |
| ROR | d | 2 | 66 |
| SBC | d | 2 | E5 |
| STA | d | 2 | 85 |
| STX | d | 2 | 86 |
| STY | d | 2 | 84 |
| STZ | d | 2 | 64 |
| TRB | d | 2 | 14 |
| TSB | d | 2 | 04 |
| ADC | d,x | 2 | 75 |
| AND | d,x | 2 | 35 |
| ASL | d,x | 2 | 16 |
| BIT | d,x | 2 | 34 |
| OMP | d,x | 2 | D5 |
| DEC | d,x | 2 | D6 |
| EOR | d,x | 2 | 55 |
| INC | d,x | 2 | F6 |
| LDA | d,x | 2 | B5 |
| LDY | d,x | 2 | B4 |
| LSR | d,x | 2 | 56 |
| ORA | d,x | 2 | 15 |
| ROL | d,x | 2 | 36 |
| ROR | d,x | 2 | 76 |
| SBC | d,x | 2 | F5 |
| STA | d,x | 2 | 95 |
| STY | d,x | 2 | 94 |
| STZ | d,x | 2 | 74 |

| File: | OPCODE.016.BYTE | | |
|---------|-----------------|-------|----------|
| Report: | Byte Arranged | | Opcode # |
| Name | Mode | Bytes | |
| LDX | d,y | 2 | B6 |
| STX | d,y | 2 | 96 |
| BRK | | 2 | 00 |
| COP | | 2 | 02 |
| WDC | | 2 | 42 |
| BCC | | 2 | 90 |
| BCS | | 2 | B0 |
| BEQ | | 2 | F0 |
| BMI | | 2 | 30 |
| BNE | | 2 | D0 |
| BPL | | 2 | 10 |
| BRA | | 2 | 80 |
| BVC | | 2 | 50 |
| BVS | | 2 | 70 |
| ADC | ,s | 2 | 63 |
| AND | ,s | 2 | 23 |
| CMP | ,s | 2 | C3 |
| EOR | ,s | 2 | 43 |
| LDA | ,s | 2 | A3 |
| ORA | ,s | 2 | 03 |
| SBC | ,s | 2 | E3 |
| STA | ,s | 2 | 83 |
| PEI | s | 2 | D4 |
| ADC | [d] | 2 | 67 |
| AND | [d] | 2 | 27 |
| CMP | [d] | 2 | C7 |
| EOR | [d] | 2 | 47 |
| LDA | [d] | 2 | A7 |
| ORA | [d] | 2 | 07 |
| SBC | [d] | 2 | E7 |
| STA | [d] | 2 | 87 |
| ADC | [d],y | 2 | 77 |
| AND | [d],y | 2 | 37 |
| CMP | [d],y | 2 | D7 |
| EOR | [d],y | 2 | 57 |
| LDA | [d],y | 2 | B7 |
| ORA | [d],y | 2 | 17 |
| SBC | [d],y | 2 | F7 |
| STA | [d],y | 2 | 97 |
| ADC | # | 2 (3) | 69 |
| AND | # | 2 (3) | 29 |
| BIT | # | 2 (3) | 89 |
| CMP | # | 2 (3) | C9 |
| CPX | # | 2 (3) | E0 |
| CPY | # | 2 (3) | C0 |
| EOR | # | 2 (3) | 49 |
| LDA | # | 2 (3) | A9 |
| LDX | # | 2 (3) | A2 |
| LDY | # | 2 (3) | A0 |
| ORA | # | 2 (3) | 09 |

| Opcode | Byte Arranged | Mode | Bytes | Opcode # |
|--------|---------------|------|-------|----------|
| SBC | | | 2 (3) | E9 |
| JML | (a) | | 3 | DC |
| JMP | (a) | | 3 | 6C |
| JMP | (a,x) | | 3 | 7C |
| JSR | (a,x) | | 3 | FC |
| ADC | a | | 3 | 6D |
| AND | a | | 3 | 2D |
| ASL | a | | 3 | 0E |
| BIT | a | | 3 | 2C |
| CMP | a | | 3 | CD |
| CPX | a | | 3 | EC |
| CPY | a | | 3 | CC |
| DEC | a | | 3 | CE |
| EOR | a | | 3 | 4D |
| INC | a | | 3 | EE |
| JMP | a | | 3 | 4C |
| JSR | a | | 3 | 20 |
| LDA | a | | 3 | AD |
| LDX | a | | 3 | AE |
| LDY | a | | 3 | AC |
| LSR | a | | 3 | 4E |
| ORA | a | | 3 | 0D |
| ROL | a | | 3 | 2E |
| ROR | a | | 3 | 6E |
| SBC | a | | 3 | ED |
| STA | a | | 3 | 8D |
| STX | a | | 3 | 8E |
| STY | a | | 3 | 8C |
| STZ | a | | 3 | 9C |
| TRB | a | | 3 | 1C |
| TSB | a | | 3 | 0C |
| ADC | a,x | | 3 | 7D |
| AND | a,x | | 3 | 3D |
| ASL | a,x | | 3 | 1E |
| BIT | a,x | | 3 | 3C |
| CMP | a,x | | 3 | DD |
| DEC | a,x | | 3 | DE |
| EOR | a,x | | 3 | 5D |
| INC | a,x | | 3 | FE |
| LDA | a,x | | 3 | BD |
| LDY | a,x | | 3 | BC |
| LSR | a,x | | 3 | 5E |
| ORA | a,x | | 3 | 1D |
| ROL | a,x | | 3 | 3E |
| ROR | a,x | | 3 | 7E |
| SBC | a,x | | 3 | FD |
| STA | a,x | | 3 | 9D |
| STZ | a,x | | 3 | 9E |
| ADC | a,y | | 3 | 79 |
| AND | a,y | | 3 | 39 |

| File: | OPCODE.016.BYTE | | Opcode # |
|---------|-----------------|-------|----------|
| Report: | Byte Arranged | | |
| Name | Mode | Bytes | |
| CMP | a,y | 3 | D9 |
| EOR | a,y | 3 | 59 |
| LDA | a,y | 3 | B9 |
| LDX | a,y | 3 | BE |
| ORA | a,y | 3 | 19 |
| SBC | a,y | 3 | F9 |
| STA | a,y | 3 | 99 |
| BRL | r1 | 3 | 02 |
| PEA | s | 3 | F4 |
| PER | s | 3 | 62 |
| MN | x,ya | 3 | 54 |
| MVP | x,ya | 3 | 44 |
| ADC | al | 4 | 6F |
| AND | al | 4 | 2F |
| CMP | al | 4 | CF |
| EOR | al | 4 | 4F |
| JMP | al | 4 | 5C |
| JSL | al | 4 | 22 |
| LDA | al | 4 | AF |
| ORA | al | 4 | 0F |
| SBC | al | 4 | EF |
| STA | al | 4 | 8F |
| ADC | al,x | 4 | 7F |
| AND | al,x | 4 | 3F |
| CMP | al,x | 4 | DF |
| EOR | al,x | 4 | 5F |
| LDA | al,x | 4 | BF |
| ORA | al,x | 4 | 1F |
| SBC | al,x | 4 | FF |
| STA | al,x | 4 | 9F |

| Report Name | OPCODE.016.BYTE Opcode Arranged Mode | Bytes | Opcode # |
|-------------|--------------------------------------------|-------|----------|
| | i | 2 | 00 |
| BRK | (d,x) | 2 | 01 |
| JRA | i | 2 | 02 |
| JOP | r,s | 2 | 03 |
| DRA | d | 2 | 04 |
| TSB | d | 2 | 05 |
| ORA | d | 2 | 06 |
| ASL | [d] | 2 | 07 |
| ORA | s | 1 | 08 |
| PHP | # | 2 (3) | 09 |
| ORA | Acc | 1 | 0A |
| ASL | s | 1 | 0B |
| PHD | a | 3 | 0C |
| TSB | a | 3 | 0D |
| ORA | a | 3 | 0E |
| ASL | a | 4 | 0F |
| ORA | a | 2 | 10 |
| BPL | r | 2 | 11 |
| ORA | (d),y | 2 | 12 |
| ORA | (d) | 2 | 13 |
| ORA | (r,s),y | 2 | 14 |
| TRB | d | 2 | 15 |
| ORA | d,x | 2 | 16 |
| ASL | d,x | 2 | 17 |
| ORA | [d],y | 2 | 18 |
| CLC | i | 1 | 19 |
| ORA | a,y | 3 | 1A |
| INC | Acc | 1 | 1B |
| TCS | i | 1 | 1C |
| TRB | a | 3 | 1D |
| ORA | a,x | 3 | 1E |
| ASL | a,x | 3 | 1F |
| ORA | a | 4 | 20 |
| JSR | a | 3 | 21 |
| AND | (d,x) | 2 | 22 |
| JSL | a | 4 | 23 |
| AND | r,s | 2 | 24 |
| BIT | d | 2 | 25 |
| AND | d | 2 | 26 |
| ROL | d | 2 | 27 |
| AND | [d] | 2 | 28 |
| PLP | s | 1 | 29 |
| AND | # | 2 (3) | 2A |
| ROL | Acc | 1 | 2B |
| PLD | s | 1 | 2C |
| BIT | a | 3 | 2D |
| AND | a | 3 | 2E |
| ROL | a | 3 | 2F |
| AND | a | 4 | 30 |
| BMI | r | 2 | 31 |
| AND | (d),y | 2 | |

| Report lane | OPCODE.016.BYTE Opcode Arranged Mode | Bytes | Opcode # |
|----------------|--------------------------------------------|-------|----------|
| AND | (d) | 2 | 32 |
| AND | (r,s),y | 2 | 33 |
| BIT | d,x | 2 | 34 |
| AND | d,x | 2 | 35 |
| ROL | d,x | 2 | 36 |
| AND | [d],y | 2 | 37 |
| SEC | i | 1 | 38 |
| AND | a,y | 3 | 39 |
| DEC | Acc | 1 | 3A |
| TSC | i | 1 | 3B |
| BIT | a,x | 3 | 3C |
| AND | a,x | 3 | 3D |
| ROL | a,x | 3 | 3E |
| AND | a1,x | 4 | 3F |
| RTI | s | 1 | 40 |
| EOR | (d,x) | 2 | 41 |
| WDC | i | 2 | 42 |
| EOR | r,s | 2 | 43 |
| MVP | x,ya | 3 | 44 |
| EOR | d | 2 | 45 |
| LSR | d | 2 | 46 |
| EOR | [d] | 2 | 47 |
| PHA | s | 1 | 48 |
| EOR | # | 2 (3) | 49 |
| LSR | Acc | 1 | 4A |
| PHK | s | 1 | 4B |
| JMP | a | 3 | 4C |
| EOR | a | 3 | 4D |
| LSR | a | 3 | 4E |
| EOR | a1 | 4 | 4F |
| BVC | r | 2 | 50 |
| EOR | (d),y | 2 | 51 |
| EOR | (d) | 2 | 52 |
| EOR | (r,s),y | 2 | 53 |
| EOR | (r,s),y | 2 | 54 |
| MVN | x,ya | 3 | 55 |
| EOR | d,x | 2 | 56 |
| LSR | d,x | 2 | 57 |
| EOR | [d],y | 2 | 58 |
| CLI | i | 1 | 59 |
| EOR | a,y | 3 | 5A |
| PHY | s | 1 | 5B |
| TCD | i | 1 | 5C |
| JMP | a1 | 4 | 5D |
| EOR | a,x | 3 | 5E |
| LSR | a,x | 3 | 5F |
| EOR | a1,x | 4 | 60 |
| RTS | s | 1 | 61 |
| ADC | (d,x) | 2 | 62 |
| PER | s | 3 | 63 |
| ADC | r,s | 2 | 64 |

| File: | OPCODE.016.BYTE | | Opcode # |
|---------|-----------------|-------|----------|
| Report: | Opcode Arranged | | |
| Name | Mode | Bytes | |
| STZ | d | 2 | 64 |
| ADC | d | 2 | 65 |
| ROR | d | 2 | 66 |
| ADC | [d] | 2 | 67 |
| PLA | s | 1 | 68 |
| ADC | # | 2 (3) | 69 |
| ROR | Acc | 1 | 6A |
| RTL | s | 1 | 6B |
| JMP | (a) | 3 | 6C |
| ADC | a | 3 | 6D |
| ROR | a | 3 | 6E |
| ADC | a1 | 4 | 6F |
| BUS | r | 2 | 70 |
| ADC | (d),y | 2 | 71 |
| ADC | (d) | 2 | 72 |
| ADC | (r,s),y | 2 | 73 |
| STZ | d,x | 2 | 74 |
| ADC | d,x | 2 | 75 |
| ROR | d,x | 2 | 76 |
| ADC | [d],y | 2 | 77 |
| SEI | i | 1 | 78 |
| ADC | a,y | 3 | 79 |
| PLY | s | 1 | 7A |
| TDC | i | 1 | 7B |
| JMP | (a,x) | 3 | 7C |
| ADC | a,x | 3 | 7D |
| ROR | a,x | 3 | 7E |
| ADC | a1,x | 4 | 7F |
| BRA | r | 2 | 80 |
| STA | (d,x) | 2 | 81 |
| BRL | r1 | 3 | 82 |
| STA | r,s | 2 | 83 |
| STY | d | 2 | 84 |
| STA | d | 2 | 85 |
| STX | d | 2 | 86 |
| STA | [d] | 2 | 87 |
| DEY | i | 1 | 88 |
| BIT | # | 2 (3) | 89 |
| TXA | i | 1 | 8A |
| PHB | s | 1 | 8B |
| STY | a | 3 | 8C |
| STA | a | 3 | 8D |
| STX | a | 3 | 8E |
| STA | a1 | 4 | 8F |
| BCC | r | 2 | 90 |
| STA | (d),y | 2 | 91 |
| STA | (d) | 2 | 92 |
| STA | (r,s),y | 2 | 93 |
| STY | d,x | 2 | 94 |
| STA | d,x | 2 | 95 |

| File: | OPCODE.016.BYTE | | | |
|---------|-----------------|-------|----------|--|
| Report: | Opcode Arranged | | | |
| Name | Mode | Bytes | Opcode # | |
| STX | d,y | 2 | 96 | |
| STA | [d],y | 2 | 97 | |
| TYA | i | 1 | 98 | |
| STA | a,y | 3 | 99 | |
| TXS | i | 1 | 9A | |
| TXY | i | 1 | 9B | |
| STZ | a | 3 | 9C | |
| STA | a,x | 3 | 9D | |
| STZ | a,x | 3 | 9E | |
| STA | a1,x | 4 | 9F | |
| LDY | # | 2 (3) | A0 | |
| LDA | (d,x) | 2 | A1 | |
| LDX | # | 2 (3) | A2 | |
| LDA | r,s | 2 | A3 | |
| LDY | d | 2 | A4 | |
| LDA | d | 2 | A5 | |
| LDX | d | 2 | A6 | |
| LDA | [d] | 2 | A7 | |
| TAY | i | 1 | A8 | |
| LDA | # | 2 (3) | A9 | |
| TAX | i | 1 | AA | |
| PLB | s | 1 | AB | |
| LDY | a | 3 | AC | |
| LDA | a | 3 | AD | |
| LDX | a | 3 | AE | |
| LDA | a1 | 4 | AF | |
| BCS | r | 2 | B0 | |
| LDA | (d),y | 2 | B1 | |
| LDA | (d) | 2 | B2 | |
| LDA | (r,s),y | 2 | B3 | |
| LDY | d,x | 2 | B4 | |
| LDA | d,x | 2 | B5 | |
| LDX | d,y | 2 | B6 | |
| LDA | [d],y | 2 | B7 | |
| CLU | i | 1 | B8 | |
| LDA | a,y | 3 | B9 | |
| TSX | i | 1 | BA | |
| TYX | i | 1 | BB | |
| LDY | a,x | 3 | BC | |
| LDA | a,x | 3 | BD | |
| LDX | a,y | 3 | BE | |
| LDA | a1,x | 4 | BF | |
| CPY | # | 2 (3) | C0 | |
| CMP | (d,x) | 2 | C1 | |
| REP | # | 2 | C2 | |
| CMP | r,s | 2 | C3 | |
| CPY | d | 2 | C4 | |
| CMP | d | 2 | C5 | |
| DEC | d | 2 | C6 | |
| CMP | [d] | 2 | C7 | |

| File: | OPCODE.016.BYTE | | |
|---------|-----------------|-------|----------|
| Report: | Opcode Arranged | | |
| Name | Mode | Bytes | Opcode # |
| INX | i | 1 | C8 |
| CMP | # | 2 (3) | C9 |
| DEX | i | 1 | CA |
| LDI | i | 1 | CB |
| CPY | a | 3 | CC |
| CMP | a | 3 | CD |
| DEC | a | 3 | CE |
| CMP | a1 | 4 | CF |
| BNE | r | 2 | D0 |
| CMP | (d),y | 2 | D1 |
| CMP | (d) | 2 | D2 |
| CMP | (r,s),y | 2 | D3 |
| PEI | s | 2 | D4 |
| CMP | d,x | 2 | D5 |
| DEC | d,x | 2 | D6 |
| CMP | [d],y | 2 | D7 |
| CLD | i | 1 | D8 |
| CMP | a,y | 3 | D9 |
| PHX | s | 1 | DA |
| STP | i | 1 | DB |
| JML | (a) | 3 | DC |
| CMP | a,x | 3 | DD |
| DEC | a,x | 3 | DE |
| CMP | a1,x | 4 | DF |
| CPX | # | 2 (3) | E0 |
| SBC | (d,x) | 2 | E1 |
| SEP | # | 2 | E2 |
| SBC | r,s | 2 | E3 |
| CPX | d | 2 | E4 |
| SBC | d | 2 | E5 |
| INC | d | 2 | E6 |
| SBC | [d] | 2 | E7 |
| INX | i | 1 | E8 |
| SBC | # | 2 (3) | E9 |
| NOP | i | 1 | EA |
| XBA | i | 1 | EB |
| CPX | a | 3 | EC |
| SBC | a | 3 | ED |
| INC | a | 3 | EE |
| SBC | a1 | 4 | EF |
| BEQ | r | 2 | F0 |
| SBC | (d),y | 2 | F1 |
| SBC | (d) | 2 | F2 |
| SBC | (r,s),y | 2 | F3 |
| PEA | s | 3 | F4 |
| SBC | d,x | 2 | F5 |
| INC | d,x | 2 | F6 |
| SBC | [d],y | 2 | F7 |
| SED | i | 1 | F8 |
| SBC | a,y | 3 | F9 |

File: OP CODE.016.BYTE
Report: Opcode Arranged
Name Mode Bytes

Opcode #

| | | | |
|-----|-------|---|----|
| PLX | s | 1 | FA |
| XCE | i | 1 | FB |
| JSR | (a,x) | 3 | FC |
| SBC | a,x | 3 | FD |
| INC | a,x | 3 | FE |
| SBC | a1,x | 4 | FF |