

**APPENDIX A - ASCII TO Hex Decimal Conversion**



**Left Digit of HEX Value**

**Right Digit of HEX**

| R \ L | 0   | 1   | 2     | 3 | 4 | 5 | 6 | 7   |
|-------|-----|-----|-------|---|---|---|---|-----|
| 0     | NUL | DLE | SPACE | 0 | @ | P | ` | p   |
| 1     | SOH | DC1 | !     | 1 | A | Q | a | q   |
| 2     | STX | DC2 | "     | 2 | B | R | b | r   |
| 3     | ETX | DC3 | #     | 3 | C | S | c | s   |
| 4     | EOT | DC4 | \$    | 4 | D | T | d | t   |
| 5     | ENQ | NAK | %     | 5 | E | U | e | u   |
| 6     | ACK | SYN | &     | 6 | F | V | f | v   |
| 7     | BEL | ETB | '     | 7 | G | W | g | w   |
| 8     | BS  | CAN | (     | 8 | H | X | h | x   |
| 9     | HT  | EM  | )     | 9 | I | Y | i | y   |
| A     | LF  | SUB | *     | : | J | Z | j | z   |
| B     | VT  | ESC | +     | ; | K | [ | k | {   |
| C     | FF  | FS  | ,     | < | L | \ | l |     |
| D     | CR  | GS  | -     | = | M | ] | m | }   |
| E     | SO  | RS  | .     | > | N | ^ | n | ~   |
| F     | SI  | US  | /     | ? | O | _ | o | DEL |

How to use this chart - HexDecimal equivalents of ASCII or keyboard characters are 2 digits, from 0 to E. No matter what character or control code you're looking up, it will always be represented by a 2-digit hex decimal number. In the white cells starting in Row2, Column2, look up the character you want to find. Then follow the column up to the blue column heading to get the right digit and to the left to the purple row heading to get the left digit. For example:

*To find the HexDecimal equivalent of "V" (capital V), the Right digit is "5" and the left digit is "6" so the HexDecimal conversion is "56"*



