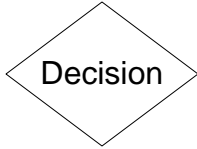


# CTEC1904 - PIC18F Visio Flowchart Symbols (1)



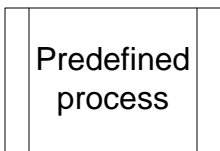
Any general program instruction(s) [see below for exceptions]



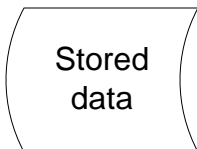
Decision instructions: btfss/btfsc, cpfseq/cpfslt/cpfsgt, tstfsz, incfsz/incfnz/decfsz/decfnz, bc/bnc/bn/bnn/bov/bnov/bz/bnz



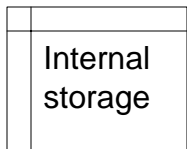
A read from or write to an I/O port.



A subroutine call



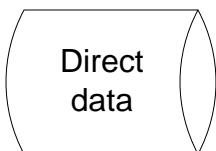
Instructions which store a value in a General Purpose Register, e.g, movf, movff, ...



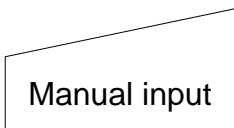
A read from or write to the EEPROM



A rotate instruction (rlcf/rlncf/rrcf/rnrcf)

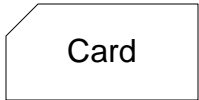


Data from a lookup table (i.e., tblrd instructions)



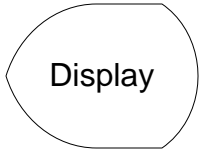
The program user pressing a pushbutton or opening/closing a switch

# CTEC1904 - PIC18F Visio Flowchart Symbols (2)



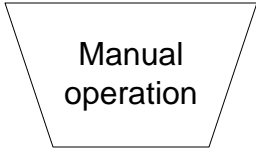
Card

Input data provided by an external sensor or other device (not requiring user intervention)



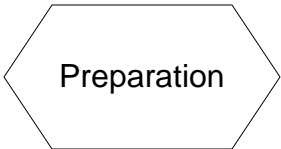
Display

Output to LCD, LED or seven-segment display



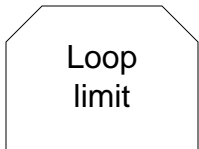
Manual operation

User intervention, other than keypad or switch input



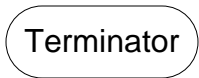
Preparation

Initialization of Special Function Registers and/or General Purpose Registers



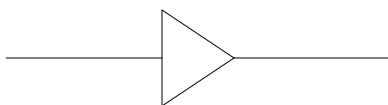
Loop limit

Related to decision, when a loop is involved: the maximum number of iterations or the exit condition for the loop



Terminator

Start of program or subroutine; end of program; subroutine return instruction



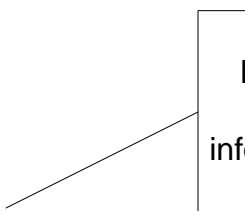
Control transfer

An interrupt: includes the condition that triggered the interrupt



Paper tape

Serial or USB communications



**Annotation**  
Explanation or additional information for any symbol



**On-page and off-page connectors** may represent goto or bra instructions, but may just mean that flowchart continues on another part of the page or on the next page.