Flowchart1::keypad init

START

define vars

for loop number

of rows

DIO\_LOW(row)

T

for loop number

of cols

F

DIO\_HIGH(col)

T

END

F

Flowchart2::keypad getkey

START

key = NOT\_PREESED

col < MAX\_COLS

DIO\_HIGH(col)

T

row <

MAX\_ROWS

value = DIO\_READ(col)

T

value ==

PRESSED

return key

key = ((row\*MAX\_COLS)+col+1)

T

END

DIO\_LOW(col)

row ++

F

F

col ++

END

F