

START

INITIALIZATION

Supply source (internal or external)  
Number of com (SLCDC\_MR.COMSEL)  
Number of seg (SLCDC\_MR.SEGSEL)  
Frame rate ((PRESC + DIV) in SLCDC\_FRR)  
Buff on time (SLCDC\_MR.BUFTIME)  
Bias (SLCDC\_MR.BIAS)

Enable the SLCDC  
LCDEN in SLCDC\_CR

SLCDC\_SR.ENA = 1?

No

Update the displayed data?

Write the new data in the SLCDC\_MEM

Update/Change  
the display mode?

No

Blink?

No

Change/Update the display mode (SLCDC\_DR.DISPMODE)  
- Normal mode  
- Force Off  
- Force On  
- Inverted mode

Change/Update the blinking frequency (SLCDC\_DR.LCDBLKFREQ)

Change/Update the display mode (SLCDC\_DR.DISPMODE)  
- Blinking mode  
- Inverted Blinking mode

Change the power  
consumption ?

No

Enter/Exit from  
low-power wave form?

Change the frame rate ?

No

SLCDC\_MR.LPMODE

PRESC + DIV in SLCDC\_FRR

SLCDC\_MR.BUFTIME

Disable the SLCDC ?

No

SLCDC\_CR.LCDDIS

Disable interrupt?  
SLCDC\_ISR.DIS

No

SLCDC\_SR.ENA = 0?

No

SW reset ?

No

SLCDC\_CR.SWRST

END