


SERVICE BULLETIN Mobile		Distribution :			Service partner
	Fujitsu Siemens Computers Mobile Group RD ST	Date : 01/00/2001	Ver. : 2.0	Page 1/4	
Contact : xxxx		Fax : +49 821 804 2671		Mail : stephan.vogel@fujitsu-siemens.com	
SBM2001_044		PIXEL ERROR on LCD Displays			
Part/Module ref :					

Attachments : none
Call Reference : none

Affected Systems

All LIFEBOOK series, LITELINEs and AMILOs

Assessment of faulty pixels on LCDs

General information:


Some LCD displays can have some faulty pixels (e.g. 'black spots'). Therefore, the following Fujitsu Siemens criteria should be observed before deciding to replace the display.
This information has to be used to define whether the LCD panel defect is covered by the warranty for the product.

Additional Information

none

Criteria

The pixel is defective if one or more of the dots can't be controlled, i.e. the dot stays the same colour despite of desired colour and it is visible from 30 cm distance from the LCD panel surface. Typically such defects can be seen as bright spots on dark (black) background. The bright spot can be seen as bright white, red, blue or green. When there is a bright, white background, the dot can be seen as a black spot.
The general criteria and criteria for each LCD panel type for an accepted amount of defective pixels is defined in the table below.

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The first digit of the model term describes the display size of your Notebook.

See the following table below.

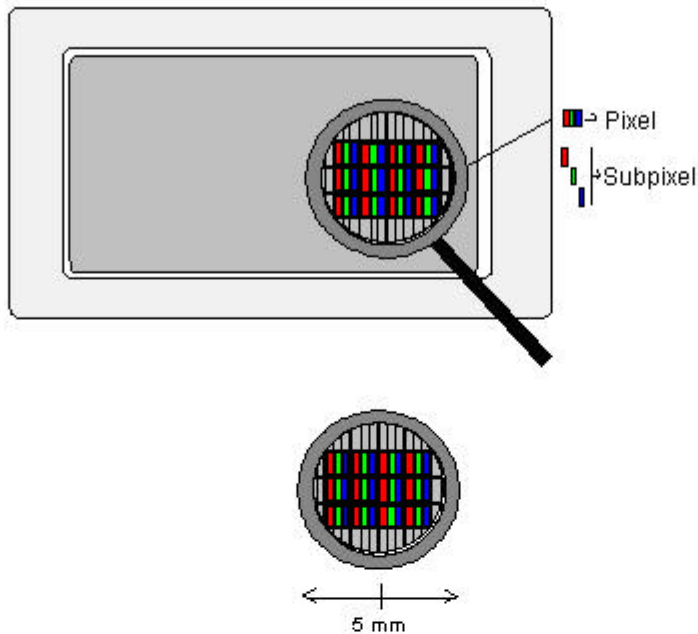
Digit :1	LCD Display	e.g.
1	8,4	B-1XXX
2	10,4	B-2XXX
3	12,1 DSTN	C- 3XXX
4	12,1	C- 4XXX
5	13,3	C- 5XXX
6	14,1	E- 6XXX
7	15,1	X- 7XXX

Sorted by LCD size:

Panel type	RED dot	Green dot	Blue dot	Black dot
TFT 10.4"	4 or less	4 or less	4 or less	10 or less
TFT 12.1"	4 or less	4 or less	4 or less	10 or less
TFT 13.3"	4 or less	4 or less	4 or less	10 or less
TFT 14.1"	4 or less	4 or less	4 or less	10 or less
TFT 15.1"	4 or less	4 or less	4 or less	10 or less
All panels; Minimum distance between neighbouring coloured dots: 10 mm (15 mm for C-xxx5, E-xxxx, B-213x and X-7xxx)				
All panels; Minimum distance between neighbouring black and white dots: 5 mm				
All panels; Connected bright dots: 3 or less				
All panels; Groups of connected bright dots: 5 or less.				
All panels; Connected black dots: 2 or less				

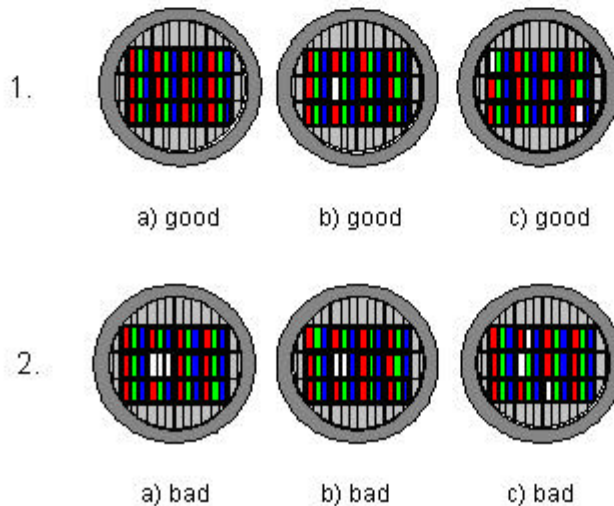
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Assessment of faulty pixels for LCDs



**A maximum of two subpixels permitted within a radius of 5 mm.
Permitted (1 a, 1 b, 1 c)
Permitted faulty subpixels next to each other none (2 a, 2 b, 2 c)
Permitted faulty subpixels via the entire LCD : 10
If more than 10 faulty subpixels occur within the guarantee time,
a LCD exchange free of charge for the customer possible**

Example:



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Version History

V1.0: Initial release

V2.0: Inconsistence on page three text to picture 2.c was corrected