



**SOLOMON  
SYSTECH**

## Technical Selection Guide

### DISPLAY PANEL IC

### Mobile Display

### PDA Chipset

#### MLA Chipset

#### SLA Chipset

Display Resolution	MLA Chipset					SLA Chipset			
	SSD1732 MLA Power Chip	SSD1871 160 Column Driver	SSD1873 320 Column Driver	SSD1876 480 Column Driver	SSD1881 160 Row Driver	SSD1701 160 Com/Seg Driver	SSD1702 240 Com/Seg Driver	SSD1703 320 Com/Seg Driver	SSD1706 48 Com/Seg Driver
<b>Mono/ Gray Scale</b>									
160x160	1	1			1	2		1	
320x240	1		1				1	2	1
320x320								1	
480x320								1	1
<b>Color</b>									
160RGBx160	1			1	1	1			1
320RGBx240	1			2			1		2
320RGBx2320								1	2

IC Combination Examples for Mono/Gray Scale and Color STN Display Resolution

Number indicates number of proposed IC used in applications

MLA - Multi-line Addressing, IC manufactured under Motif License including US Patent No.5,420,604

SLA - Single-line Addressing



## MLA LCD Driver Chipset

Power Chip	
Device	SSD1732
Description	Power Chip
Part Number	SSD1732QL3
Power Supply (Vdd)	2.4-3.6V
Package Info	48LQFP
Size	7mm x 7mm

Column Driver	
Device	SSD1873
Description	Column Driver
No. of Output	320
Power Supply (Vdd)	2.4-3.6V
LCD Drive Voltage	4.8-7.2V
Part Number	SSD1873T1R1
Package Info	TAB
Output lead pitch (mm)	0.18
Input lead pitch (mm)	0.6
TAB length (mm)	70

Row Driver	
Device	SSD1881
Description	Row Driver
No. of Output	160
Power Supply (Vdd)	2.7-5.5V
LCD Drive Voltage	14-30V
Part Number	SSD1881TR1
Package Info	TAB
Output lead pitch (mm)	0.14
Input lead pitch (mm)	0.5
TAB length (mm)	35

Remarks: Au Bump Package is also available on all MLA/SLA driver except MLA power chip and MLA row driver



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### PDA Chipset

#### SLA LCD Driver Chipset

Device	SSD1701	SSD1702	SSD1703
Description	Seg/Com Driver	Seg/Com Driver	Seg/Com Driver
No. of Ouput	160	240	320
Power Supply (Vdd)	2.4-3.6V	2.4-3.6V	2.4-3.6V
LCD Drive Voltage	15-30V	15-30V	15-30V
Part Number	SSD1701T2R1	SSD1702T1R1	SSD1703T1R1
Package Info	TAB	TAB	TAB
Output lead pitch (mm)	0.22	0.21	0.18
Input lead pitch (mm)	0.8	0.8	0.6
Sample	Done	Done	Done
MP	Done	Done	Done

Remarks: Au Bump Package is also avilable on all MLA/SLA driver except MLA power chip