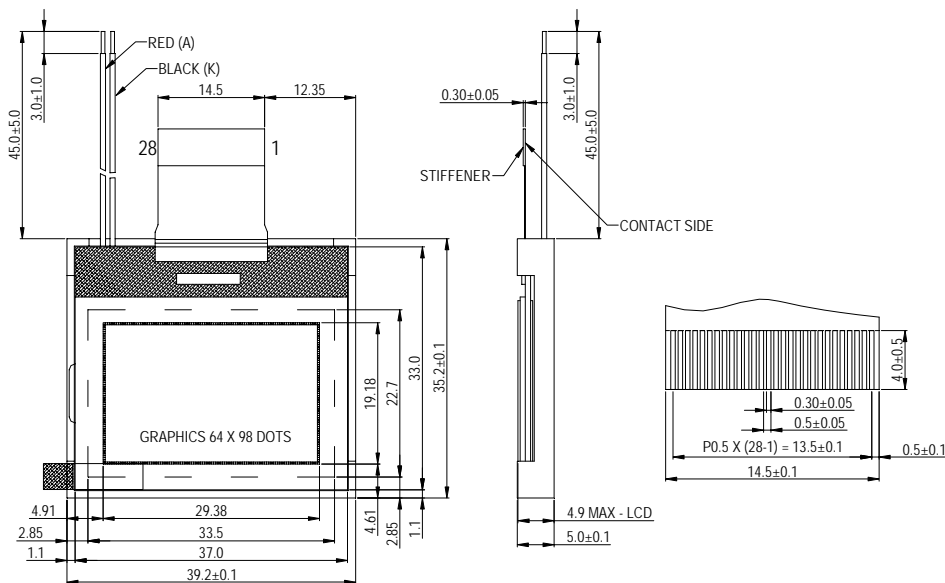
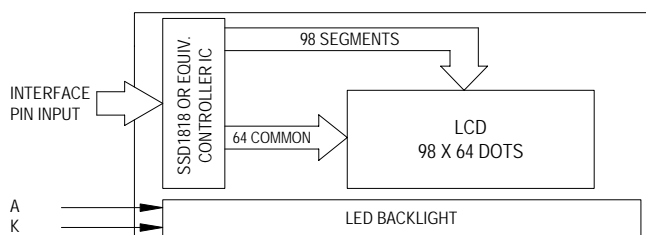
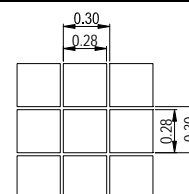


OUTLINE DIMENSION

BLOCK DIAGRAM

DISPLAY PATTERN

MECHANICAL SPECIFICATION

Item	Dimensions(W)X(H)	Unit
Overall Size	39.2x35.2	MM
View Area	33.5x22.7	MM
Dot Size	0.28x0.28	MM
Dot Pitch	0.30x0.30	MM

PIN ASSIGNMENT

Pin no	Symbol	Description
1~5	VL6~VL2	LCD driver voltage
6	C4N	DC-DC voltage converter pin
7,8	C2P,C2N	DC-DC voltage converter pin
9,10	C1N,C1P	DC-DC voltage converter pin
11	C3N	DC-DC voltage converter pin
12	VEE	Negative voltage supply
13	VSS	Ground
14	VDD	Power supply
15~22	DB7~DB0	Data bus
23	/RD	Read signal
24	/WR	Write signal
25	D/C	Data/command
26	/RES	Reset pin
27	/CS	Chip select pin
28	NC	Not connect

ABSOLUTE MAXIMUM RATING

Item	Symbol	Condition	Min	Max	Unit
Supply for logic voltage	V _{DD}	25°C	-0.3	4.0	V
LCD driving supply voltage	V _{LCD}	25°C	+0.3	-12.0	V
Input voltage	V _I	25°C	-0.3	V _{DD} +0.3	V

ELECTRICAL CHARACTERISTICS

Item	Symbol	Condition	Min	Typical	Max	Unit
Supply voltage for logic	V _{DD}	25°C	2.7	3.0	3.5	V
Supply current for logic	I _{DD}	25°C	---	0.3	---	mA
Operating for LCD	V _{LCD}	V _{DD} -V ₀	---	7.1	---	V
Input voltage "H" level	V _{IH}	---	0.7V _{DD}	---	V _{DD}	V
Input voltage "L" level	V _{IL}	---	V _{SS}	---	0.3V _{DD}	V
Supply voltage for backlight	V _{BL}	---	According backlight type			V
Supply current for backlight	I _{BL}	---	According backlight type			mA

REMARKS:

- LCD options: STN, FSTN.
- Back light type: LED Back light feature.