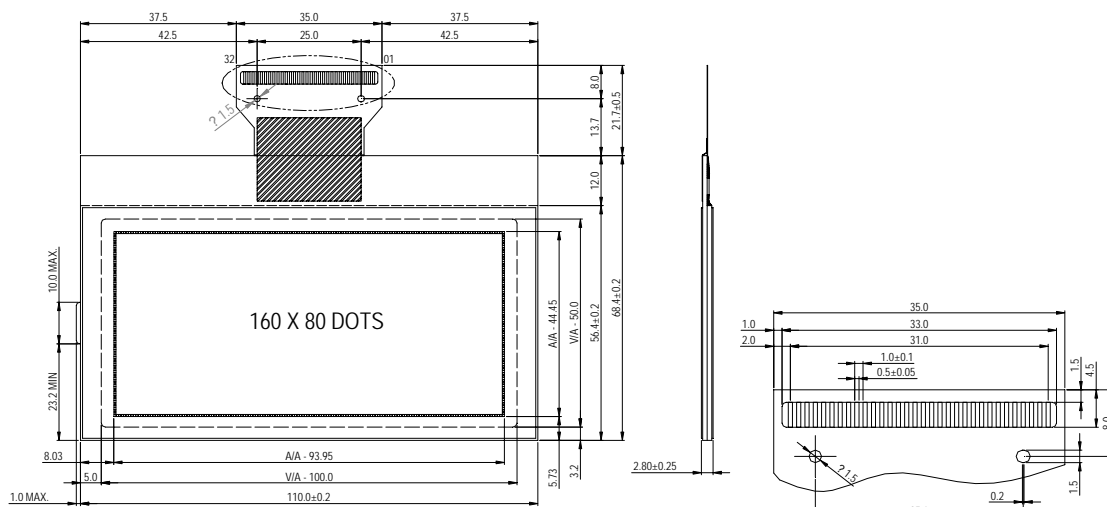
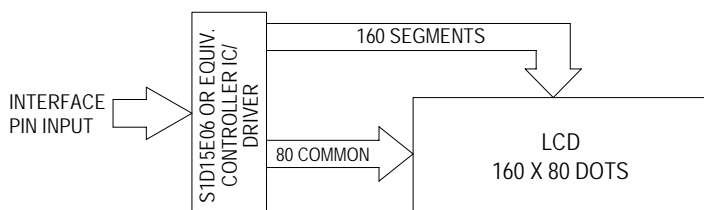


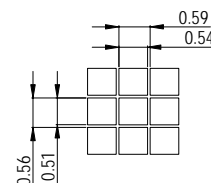
OUTLINE DIMENSION



BLOCK DIAGRAM



DISPLAY PATTERN



MECHANICAL SPECIFICATION

Item	Dimensions(W)X(H)	Unit
Overall Size	110.0x68.4	MM
View Area	100.0x50.0	MM
Dot Size	0.54x0.51	MM
Dot Pitch	0.59x0.56	MM

PIN ASSIGNMENT

Pin no	Symbol	Description
1	/CS1	Chip select
2	/RES	Reset
3	A0	Register select
4	/WR	Write signal or write/read signal
5	/RD	Read signal or enable signal
6	C86	68/80 interface select
7~14	DB0~DB7	Data bus line
15	VSS	Ground
16	VDD	Power supply
17	VOUT	Step-up output
18,19	C1+,C1-	DC-DC converter pin
20,21	C2-,C2+	DC-DC converter pin
22,23	C3+,C3-	DC-DC converter pin
24,25	C4-,C4+	DC-DC converter pin
26~28	V3~V1	Power supply for LCD
29	VC	Power supply for LCD
30~32	MV1~MV3	Power supply for LCD

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	-0.5	17.0	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	---	3.3	---	V
Supply current for logic	I _{DD}	25°C	---	0.7	---	mA
Operating for LCD	V _{LCD}	V _{DD} -V ₀	---	---	---	V
Input voltage "H" level	V _{IH}	---	0.8V _{DD}	---	V _{DD}	V
Input voltage "L" level	V _{IL}	---	V _{SS}	---	0.2V _{DD}	V
Supply voltage for backlight	V _{BL}	---	Not backlight		---	V
Supply current for backlight	I _{BL}	---	Not backlight		---	mA

REMARKS:

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