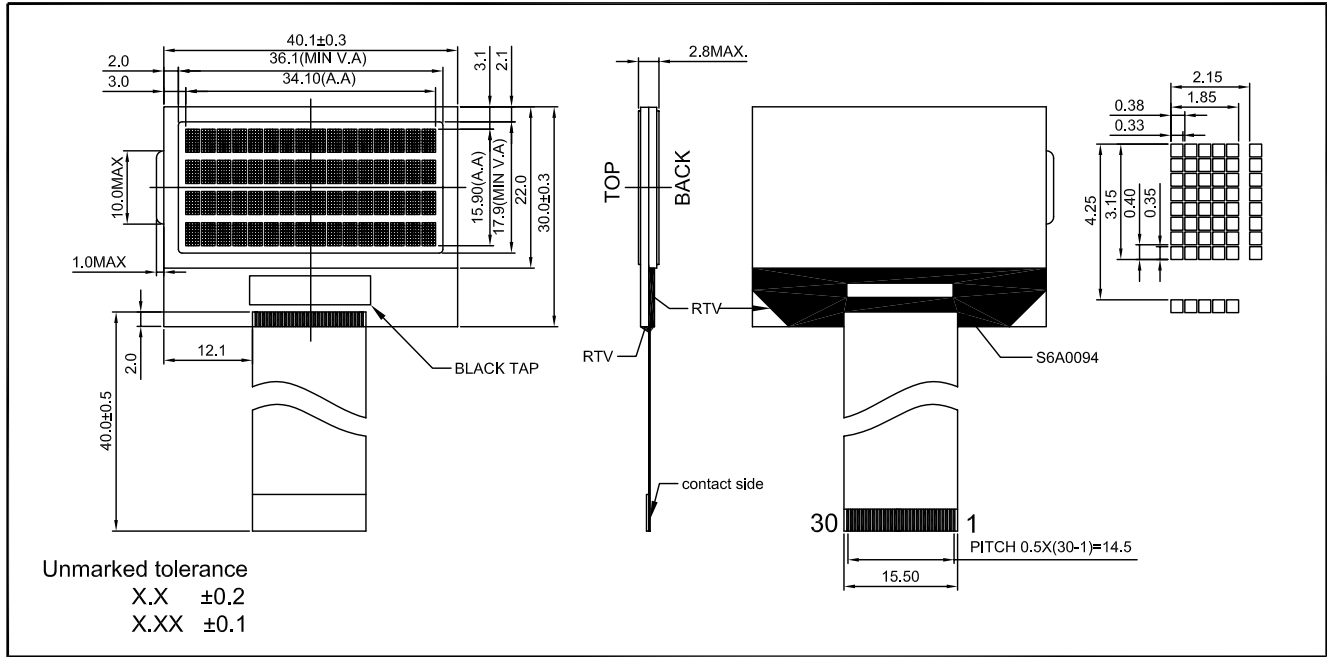
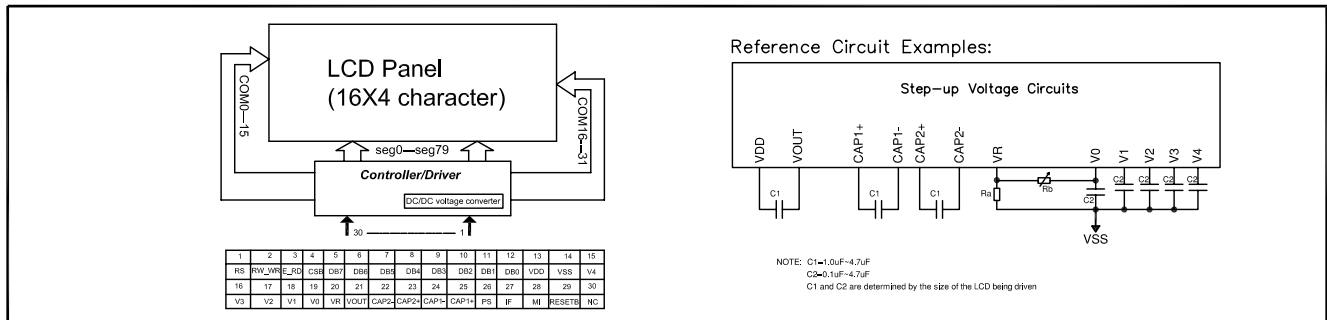


OUTLINE DIMENSIONS



BLOCK DIAGRAM & POWER SUPPLY



MECHANICAL SPECIFICATIONS & FEATURE

Item	Normal Dimensions(mm)	FEATURE	
Module Size (W*H*T)	40.1x68.0x2.8Max	LCD Type	STN、FSTN
View Area (W*H)	36.1x17.9	LCD Colour	STN:Yellow-Green、Gray FSTN:Gray
DotsxDots (W*H)	5X8Dots 16X4Character	View Angle	6 O'clock、12 O'clock
Dot Pitch (W*H)	0.38X0.40	Display Type	Positive Type、Negative Type
Dot Size (W*H)	0.33X0.35	Rear polarizer	Transmissive、Reflective、Transflective
---	---	Operating Temperature	0°C ~ 50°C、-20°C ~ 70°C
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ELECTRICAL CHARACTERISTICS

Item	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Operating Voltage	Vdd	Ta=25°C	---	3.0	---	V
Operating Voltage for LCD	Vlcd	Ta=25°C	---	5.0	---	V
Supply Current	Idd	Ta=25°C, Vdd=3.0V	---	1.5	2.0	mA
---	---	---	---	---	---	---

INTERFACE PIN CONNECTIONS

Pin No	Symbol	Description
1	RS	Register selection input
2	RW WR	Write/read signal
3	E-RD	Enable/read signal
4	CSB	Chip selection input. selected while CSB is low.
5~12	DB7~DB0	Data bus
13	VDD	Power supply
14	VSS	Ground
15~19	V4~V0	Bias voltage level for LCD driving Voltages should have the following relationship;
20	VR	Voltage adjust pin. This pin gives a voltage between V0 and VSS by resistance-division of voltage.
21	VOUT	DC/DC voltage converter output
22~25	CAP2- CAP2+ CAP1- CAP1+	Capacitor pin for the internal voltage converter
26	PS	Parallel / Serial selection input. When PS = "Low": Serial mode When PS = "High": 4-bit/8-bit bus mode
27	IF	Interface data length selection pin for parallel data input.
28	MI	MPU interface selection input. MI = "Low": 80 series MPU MI = "High": 68 series MPU
29	RESETB	Reset input

REMARK

Old No: AV-C1604B0-C SERIES