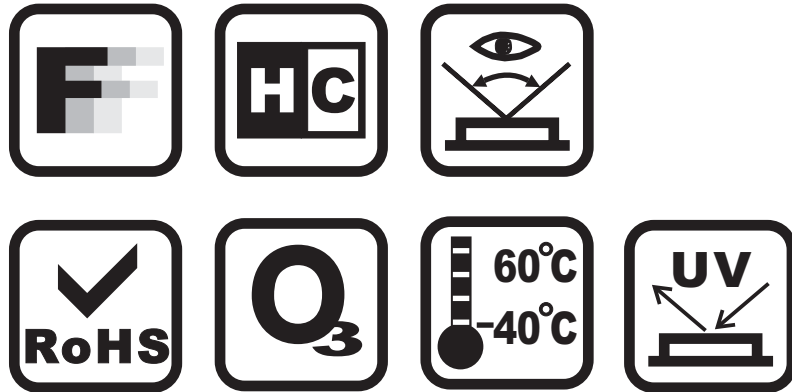




classic mono LCDs

LCD PANEL SPECIFICATION



ITEM NUMBER: FDP0086B-RTBPWY

ESTABLISHED: 2009.03.23

ISSUED BY: *[Signature]*

CHECKED BY: *[Signature]*

APPROVED BY: *[Signature]*

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2. The ISO9001 logo used in this document is authorized by SGS (www.sgs.com). FORDATA had already successfully passed the strict and professional ISO9001:2000 Quality Management System Certification and got the certificate (No.: CN07/00404)
3. The technologies/techniques/crafts which denoted by the following icons are not exclusively owned by FORDATA, but also shared by FORDATA's LCD strategic cooperators, however all these technologies/techniques/crafts have been finally confirmed by FORDATA's professional engineers and QC department.
4. As the difference in test standard and test conditions, also FORDATA's insufficient familiarity with the actual LCD using environment, all the referred information in this DATASHEET (including the icons) only have two functions:
 - 4.1: providing quick reference when you are judging whether or not the product meets your requirements.
 - 4.2: listing out definitely the tolerance.

FORDATA declares seriously: you should first test the corresponding sample(s) before signing the formal FORDATA SAMPLE APPROVAL document rather than consider this DATASHEET as the standard for judging whether or not the LCD meets your requirements. Once you instruct FORDATA to a mass-production without definite demand for providing sample before, FORDATA will disclaim all responsibility if the mass-production is proved not meeting with your requirements.

5. The sequence of the icons is random and doesn't indicate the importance grade.
6. Icons explanation



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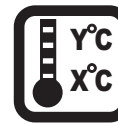
FORDATA's 2006 version logo. FORDATA is an integrated manufacturer of flat panel display (FPD). FORDATA supplies TN, HTN, STN, FSTN monochrome LCD panel; COB, COG, TAB LCD module; and all kinds of LED backlight.



3TIMES 100% QC EXAMINATION
This icon on the cover indicates the product has passed FORDATA's thrice 100% QC. Otherwise not.



FAST RESPONSE TIME
This icon on the cover indicates the product is with high response speed; Otherwise not.



OPERATION TEMPERATURE RANGE
This icon on the cover indicates the operating temperature range (X-Y).



HIGH CONTRAST
This icon on the cover indicates the product is with high contrast; Otherwise not.



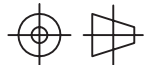
RoHS COMPLIANCE
This icon on the cover indicates the product meets ROHS requirements; Otherwise not.



WIDE VIEWING SCOPE
This icon on the cover indicates the product is with wide viewing scope; Otherwise not.



Anti UV VERSION
This icon on the cover indicates the product is against UV line. Otherwise not.




CODE SYSTEM

MODIFICATION RECORD

1	2	3	4	5	6	7	8	9	10
FD	P	0001	A	F	Y	B	N	W	Y

NO.	REMARK	CODE	DESCRIPTION
1	COMPANY ABBREVIATION	FD	
2	BACKLIGHT ABBREVIATION	P	
3	SERIAL CODE	0001~9999	
4	VERSION CODE	A~Z	
5	DISPLAY MODE	R	Positive, Reflective
		F	Positive, Transflective
		M	Positive, Transmissive
		N	Negative, Transmissive
		E	Negative, Transflective
6	LCD TYPE	T	TN Type
		H	HTN Type
		Y	Yellow-Green STN Type
		G	Gray STN Type
		B	Blue STN Type
		F	FSTN Type
7	VIEWING DIRECTION	B	6:00
		T	12:00
		R	3:00
		L	9:00
		P	To be perpendicular to the LCD panel surface
8	CONNECTION	N	None
		P	PIN
		Z	Heat Seal
9	OPERATION TEMPERATURE	W	-20 ~ 70
		S	0 ~ 50
		E	-10 ~ 60
		F	-30 ~ 80
10	RoHS COMPLIANCE	Y	Yes
		N	No

NO.	DATE	MARK	DESCRIPTION	PAGE	APPROVED
1	070727		Initial Drawing finished	ALL	
1	070727		Driving Voltage Changed From 3.0V To Be 5.0V	ALL	

CUSTOMER COMMENTS:

YOUR SIGNATURE: _____

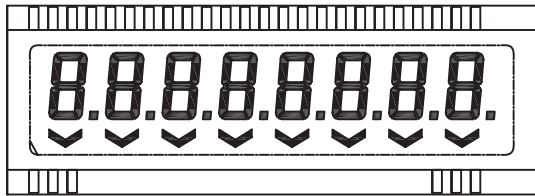
APPROVAL DECLARATION: Your signature here indicates that you have checked this drawing and absolutely confirmed it. Meanwhile, your signature shows that you authorized FORDATA to arrange samples tooling accordingly to this approved drawing. In case of any wrong tooling caused by this approved drawing, FORDATA will disclaim all responsibility (at least but not limit to) including returning tooling charge or retooling for free.

BOOKBINDING AREA



BOOKBINDING AREA

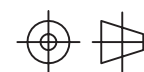
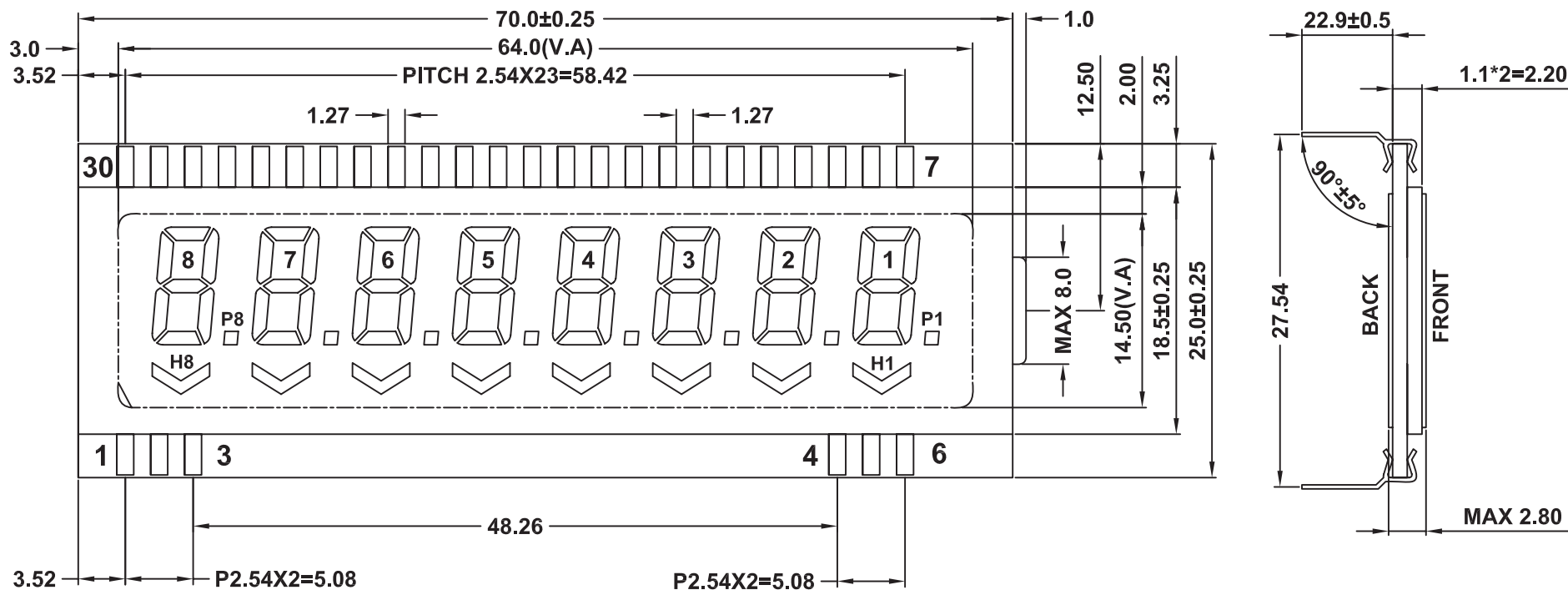
DISPLAY MODE	POSITIVE REFLECTIVE/TN	VIEWING ANGLE	6:00	OPERATING TEMP.	-40℃ ~ 60℃	DUTY	1/3
CONNECTION	PIN TYPE	DRIVING VOLTAGE	5.0V	STORAGE TEMP.	-50℃ ~ 70℃	BIAS	1/3
REMARKS	NONE						



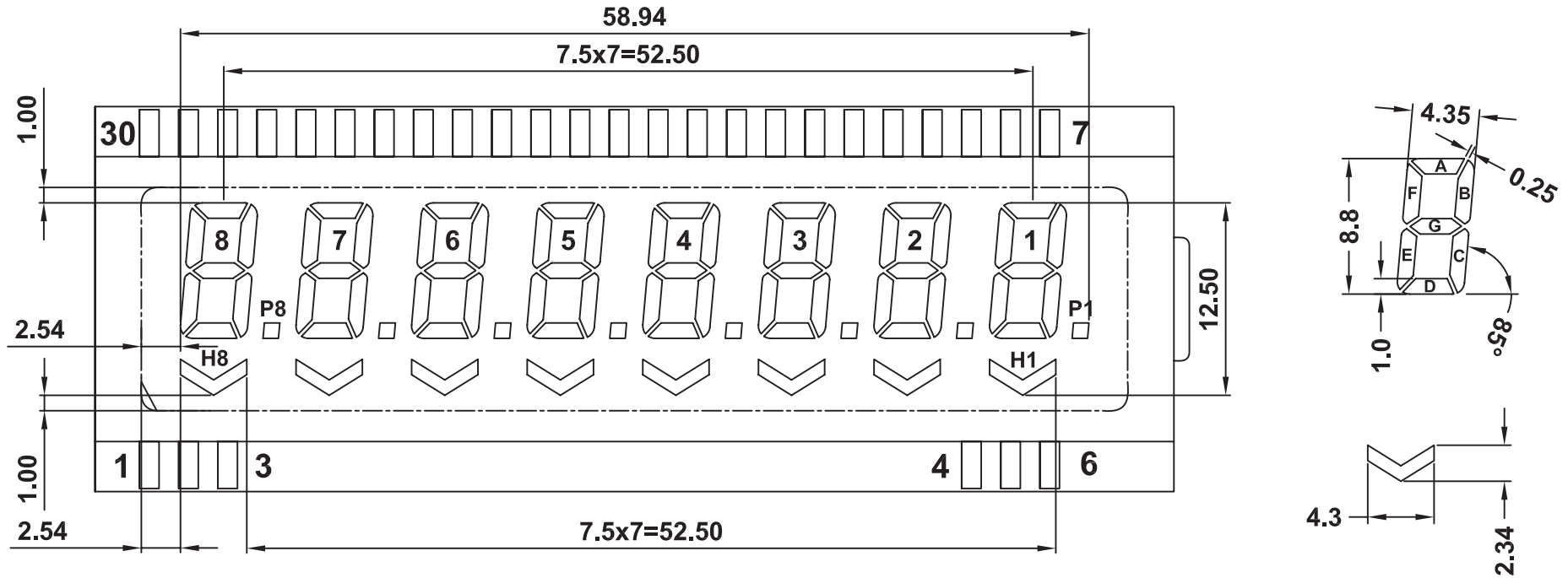
1:1 SCALE

DISPLAY MODE	POSITIVE REFLECTIVE/TN	VIEWING ANGLE	6:00	OPERATING TEMP.	-40°C ~ 60°C	DUTY	1/3
CONNECTION	PIN TYPE	DRIVING VOLTAGE	5.0V	STORAGE TEMP.	-50°C ~ 70°C	BIAS	1/3
REMARKS	NONE						

BOOKBINDING AREA



DISPLAY MODE	POSITIVE REFLECTIVE/TN	VIEWING ANGLE	6:00	OPERATING TEMP.	-40°C ~ 60°C	DUTY	1/3
CONNECTION	PIN TYPE	DRIVING VOLTAGE	5.0V	STORAGE TEMP.	-50°C ~ 70°C	BIAS	1/3
REMARKS	NONE						



PIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
COM1	COM1					COM1	B1	A1	F1	B2	A2	F2	B3	A3	F3
COM2		COM2			COM2		C1	G1	E1	C2	G2	E2	C3	G3	E3
COM3			COM3	COM3			P1	D1	H1	P2	D2	H2	P3	D3	H3

PIN	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
COM1	B4	A4	F4	B5	A5	F5	B6	A6	F6	B7	A7	F7	B8	A8	F8
COM2	C4	G4	E4	C5	G5	E5	C6	G6	E6	C7	G7	E7	C8	G8	E8
COM3	P4	D4	H4	P5	D5	H5	P6	D6	H6	P7	D7	H7	P8	D8	H8

BOOKBINDING AREA

