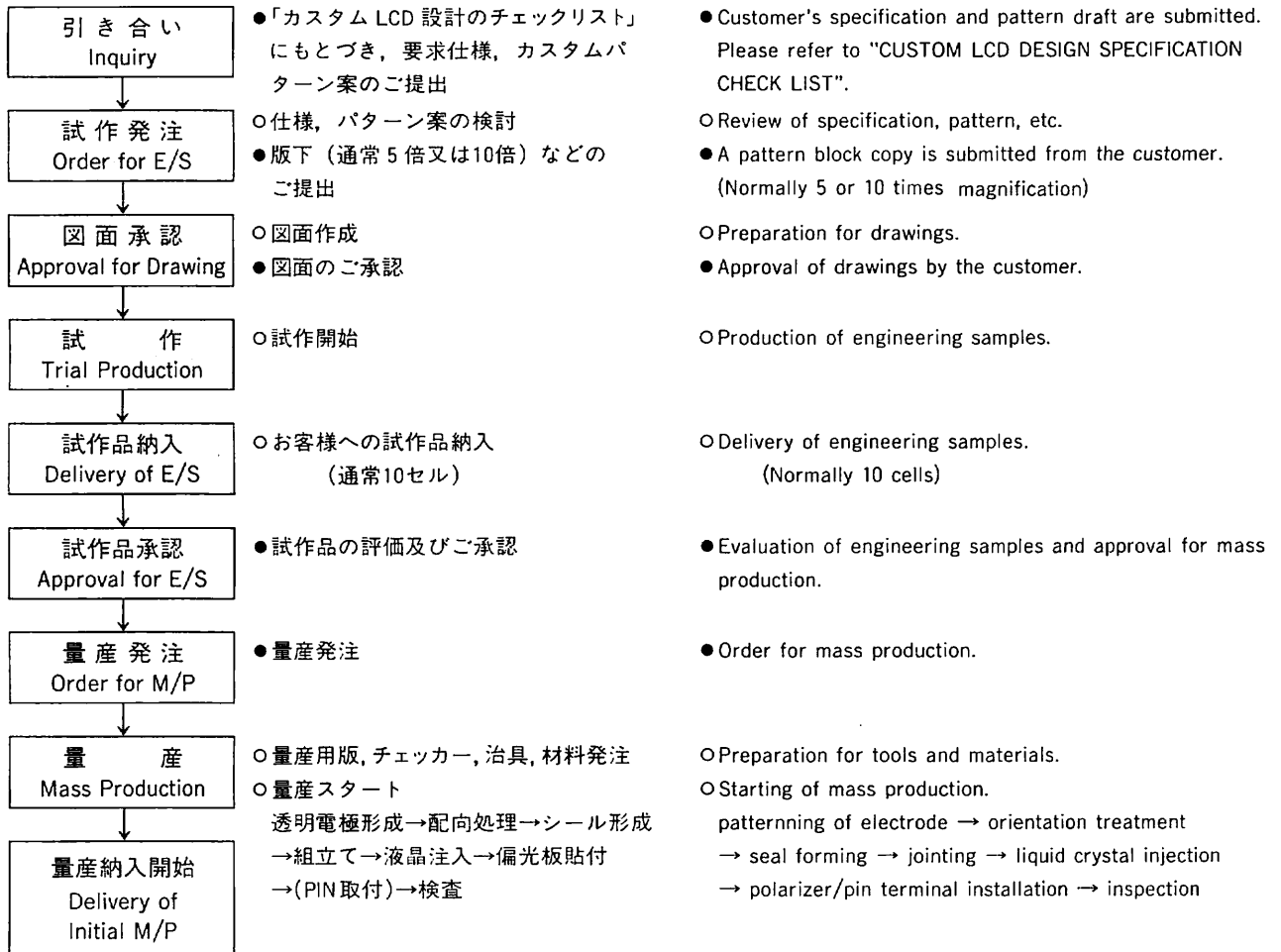


試作から量産化までのフローチャート

FLOW CHART FROM TRIAL TO MASS PRODUCTION

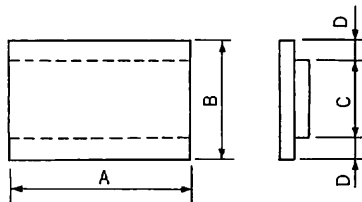


パネル外形寸法の選定について

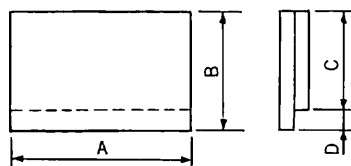
SELECTION GUIDE OF GLASS DIMENSIONS

カスタム LCD の設計にあたって、パネル外形寸法を下記の表からご選定いただくと開発期間が短縮でき、経済的です。

In designing custom LCD, select outline dimensions of glass from the following combinations, for shorter development time and economy purposes.



両端子タイプ
Both sided terminal type



片端子タイプ
Single sided terminal type

(計算方法)

(The method of selection)

① まず A の長さを Table 1, 2 から選定する。 Select dimension A from Table 1 or 2, below.

Table 1	A	162	108	81	65	54	46	40	36	32 mm
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Table 2	A	145	96	72	58	48	41	36	32	29 mm
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② 端子寸法(D)が、3.0mm以下の場合 B 寸法
プラス C 寸法の長さを Table 3, 4 より選
定する。

When dimension of terminal D is less than 3.0
mm, total length of B+C to be selected from
Table 3 or 4, below.

Table 3 A サイズが Table 1 の場合のみ
使用

Use Table 3, when dimension of A is from
Table 1.

B + C	143	95	71	57	47	41	35	31	28	26 mm
-------	-----	----	----	----	----	----	----	----	----	-------

Table 4 A サイズが Table 2 の場合のみ
使用

Use Table 4, when dimension of A is from
Table 2.

B + C	161	107	80	64	53	46	40	35	32	29 mm
-------	-----	-----	----	----	----	----	----	----	----	-------

Table 1~4 のサイズ以下で出来るだけ近
いサイズをお奨めします。

Recommended to select dimensions smaller
but closest to Table 1 through 4, above.

CUSTOM LCD DESIGN SPECIFICATION CHECK LIST

Custom LCD panels are designed and manufactured to meet your particular needs. Please check the following points, when ordering custom design LCD panels.

For outline dimensions A and B of LCD panels, it is recommended to refer the "Selection Guide of Glass Dimensions" shown on prior page.

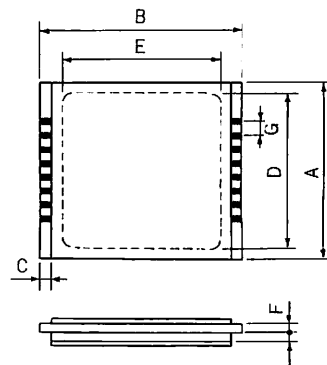
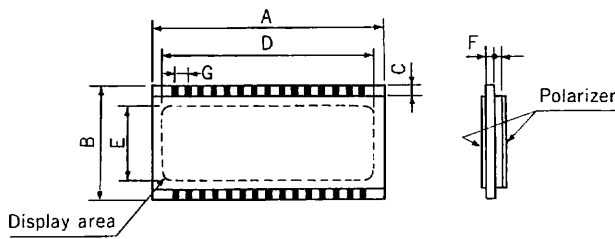
I. Panel dimensions

● Vertical terminal type

- Top Bottom Top and Bottom

● Horizontal terminal type

- Left Right Left and Right



Symbol	Parameter	Dimensions (mm)	Symbol	Parameter	Dimensions (mm)
A	Glass size		D, E*	Display area	×
B	Glass size		F*	Glass thickness (1.1, 0.7, 0.5mm)	
C*	Size of terminal		G	Pitch of terminal	

Note C* : In the case of pin-connected LCD panels, the dimension should normally be 2.5mm.
D, E* : The window frame of the case should be designed smaller than this dimension.

2. Operation mode

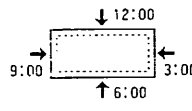
- TN positive
 TN negative
 STN positive
 STN negative

3. Display condition

- Reflective type
 Transmissive type
 Transflective type
 Others

4. Viewing angle direction

- 12 : 00
 3 : 00
 6 : 00
 9 : 00



5. Terminal

- Rubber connector
 Pin terminal (No. of pins pcs)
 Special treatment of pin
 Heat seal
 FPC

6. Driving method and environmental conditions

- Static ● Driving frequency _____ Hz
 Dynamic ● Driving LSI _____
_____ Duty _____ Bias ● Operating temp. _____ °C ~ _____ °C
● Driving voltage _____ V ● Storage temp. _____ °C ~ _____ °C

7. Options

- Separate type polarizer (front/back)
 Non-glare polarizer
 Color polarizer (color)
 Black mask color
 Print (color)
 Display color matching

8. Quotation and others

- Quantity _____ /month ● Applications _____ ● Block copy Yes , No
_____ /total lot ● Quotation date _____ ● Request for module Yes , No

9. Planned quantity and schedule

Item	Submission of block copy	Approval of drawings	Delivery of engineering samples	Approval of engineering samples	Delivery of commercial samples	Initial mass production
Date						
Quantity	_____	_____		_____		