



Part Numbering system

P C 16 02 * * * - * ** - * - *

1 2 3 4 5 6 7 8 9 10 11

No	Code	Description	Remark
1	P	Refer to "P" of Powertip Technology Corporation	Brand initial
2	C	Character type	Display type
	G	Graphic type	
	E	COG products	LCD module type
	F	COF products	
	H	Color Products	
	T	Total solution products for specific customers	
	D	Non-LCD Modules products	
	S	Engineering sample(This code will be changed while mass production)	
3	08,16,20, ...	Reference as PC for the character numbers per line	Characters per line
	97, 120, 128, ...	Reference as PG for the dot numbers per row	Dots per row
4	01, 02, 03, 04, ...	Reference as PC for the line numbers of the display	Lines per display
	32, 48, 64, 128, ...	Reference as PG for the dot numbers per column	Dots per column
5	A	Without backlight	Backlight type & color*1
	B	EL backlight in blue green	
	D	EL backlight in yellow green	
	E	EL backlight in white	
	F	CCFL backlight in white	
	L	LED backlight in yellow green	
	M	LED backlight in amber	
	N	LED backlight in red	
	O	LED backlight in orange	
	S	LED backlight in green	
	U	LED backlight in blue	
	W	LED backlight in white	
6	R	Standard PCB with through holes connect, without cable or connectors	Interface type
	Y	Pin header with straight(180°) pin	
	Z	Pin header with angled(90°) pin	
7	None	Positive TN, black in gray	LCD type & color*1
	S	Positive STN, navy blue in gray	
	F	Positive FSTN, black in white	
	U	Positive STN, navy blue in yellow green	
	N	Negative TN, gray in black	
	M	Negative STN, gray in navy blue	
	T	Negative FSTN, white in black	
8	0~Z	Series number. In case of COG/COG, code 8 & 9 means the series number	Series number
9	0~ZZ	Reference to driver/controller code system as below	LSI code system
	NN	The equipped LSI without built-in font table or ram mapping display	LSI function
10	A~Z	Reference to display viewing features system	Display viewing features
11	None	Standard equipped products	Version or specific notes
	01~ZZ	Remarks of the special equipped products	

Remark:

*1. The color of display may slightly various depends on the ambient light or production lot.

*2. Please check with our sales to make sure the availability of each serious.



Driver/Controller Code System							
Display style	Character type				Graphic type		
Manufacturer	Samsung	Novatek	Sitronix	Sunplus	Epson	Sanyo	Toshiba
English/Japanese	S0	N0	WA	LA	E4	YA	TA
English/European	S5/S6	N5/N6/NI	WB/W5	LB/L5/L6			TA
English/France	S3	N3		L3			
English/Russian	SH	NH		LH			
English/Chinese							
English/Hebrew	S4/S8	N4/N8		L4			

Display Viewing Features System					
Operation Temperature		Normal Temperature Range(NT): 0°~50°C		Wide Temperature Range(WT): -20°~70°C	
Viewing direction		6:00	12:00	6:00	12:00
Polarizer	Reflective	A	D	G	J
	Transflective	B	E	H	K
	Transmissive	C	F	I	L