



Products

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Numbering System

[■ Mono Type Part Numbering System](#)[■ Self-made product Part Numbering System](#)[■ EMS Part Numbering System](#)[■ Mono COG Part Numbering System](#)[■ COG Part Numbering System](#)[■ TFT Part Numbering System](#)

Mono Type Part Numbering System

P	C	16	02	*	*	*	-	*	**	-	*	-	*
1	2	3	4	5	6	7		8	9		10		11

No	Code value	Description	Note
1	P	Powertip products	
2	C	Character type	Module type
	G	Graphic type	
3	08.16.20.24...	Characters per line (for character modules)	Characters per line or row dots
	120.122.128...	Row dots (for graphic modules)	
4	01.02.03.04...	Lines (for character modules)	Lines or column dots
	32...240...	Column dots (for graphic modules)	
	A	Without backlight	
	B	EL Backlight Blue-green	
	D	EL Backlight Yellow-green	

5	E	EL Backlight White	Backlight mode (Type+Color)
	F	CCFL Backlight White	
	L	LED Backlight Yellow-green	
	M	LED Backlight Amber	
	N	LED Backlight Red	
	O	LED Backlight Orange	
	P	LED Backlight Pure-green	
	S	LED Backlight Green	
	T	Double LED Backlight	
	U	LED Backlight Blue	
	V	LED Backlight Blue White	
	W	LED Backlight White	
	R	Triple LED Backlight	
	Y	LED Backlight Yellow	
	Q	LED Backlight White and Red	
6	R	Standard (Through hole, cable, connector and etc.)	Connecting type
	Y	Straight pin-header	
	Z	Right angle pin-header	
7	None	TN Positive Gray	LCD Mode (Type + Color)
	N	TN Negative Blue	
	J	HTN Negative (Black/Blue)	
	P	PBT(Pure Black Tech.)	
	Q	E-TN(Enhanced TN)	
	H	HTN Positive Gray	
	S	STN Positive Gray	
	U	STN Positive Yellow-green	
	M	STN Negative Blue	
	G	ASTN(Automotive STN)	
	W	E-STN(Enhanced STN)	
	F	FSTN Positive White	
	T	FSTN Negative Black	
	Y	E-FSTN(Enhanced FSTN)	
8	A~Z	Series number	
9	00~ZZ	IC manufacturer/character pattern /total solution series number	Table A
	NN	Without controller	
10	A~Z	Refer to display viewing features system	Table B
11	NO Code value	Standard product (Meet the ROHS specification, Code is Q)	Version
	01~99	Special Code	

Table A

M*	MOTOROLA LSI	E*	EPSON LSI	H*	HITACHI LSI
N*	NOVATEK	W*	SITRONIX LSI	A*	APANPEC LSI
R*	SHARP LSI	P*	PHILIPS LSI	J*	JRC LSI
U*	UMC GROUP LSI	Z*	HOTEK LSI	O*	OKI LSI
B*	RAIO	C*	ASLIC	F*	TOMATO LSI
G*	AVANT	L*	SUNPLUS LSI		

Table B

Operation Temperature		Normal Temp.(NT):0°C~50°C				Wide Temp.(WT):-20°C~70°C			
Viewing direction		6:00	3:00	12:00	9:00	6:00	3:00	12:00	9:00
Polarizer	Reflective	A	M	D	P	G	S	J	V
	Transflective	B	N	E	Q	H	T	K	W
	Transmissive	C	O	F	R	I	U	L	X

Others:「Z」(include wild viewing angle)



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Manufacture Professional provide TFT LCM, FS-LCD, CTP and LCD panel, TN/STN/FSTN LCM, COG LCD, graphic LCM .

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