



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 COG Part Numbering System

P E ★ ★ ★ ★ ★ - ★ ★ ★ - ★ - ★ ★
1 2 3 4 5 6 7 8 9 10

No	Code value	Description	Remark
1	P	Powertip products	Brand
2	E	COG LCM	Module type
	P	COG MONO+Inner	
3	08.16.20.24...	Character per line (for character modules)	Character 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	
	E	EL backlight white	

5	F	CCFL backlight white	Backlight mode (Type+Color)
	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	
	P	PBT(Pure Black Tech.)	
	Q	E-TN(Enhanced TN)	
	H	HTN Positive Gray	
	J	HTN Negative (Black/Blue)	
	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	000~ZZZ	Series number	Model name
9	A~Z	Refer to display viewing feature system Table B below	Table B
10	No Code value	Standard product(Meet the ROHS specification, Code is Q)	Version
	01~ZZ	Special code	

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:「ZJ」(include wild viewing angle)



English 



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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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