● CODING SYSTEM FOR LCD MODULE

$$\underline{P}\ \underline{C}\ \underline{1\ 6}\ \underline{0\ 2}\ \underline{*}\ \underline{*}\ \underline{*}\ -\ \underline{*}\ \underline{*}\ -\ \underline{*}\ -\ \underline{*}$$
1 2 3 4 5 6 7 8 9 10 11

NO	Code value	Description	Type
1	P	Powertip products	Brand
2	C	Character	Module type
	G	Graphic	
	S	Engineer sample	
	T	Total solution	
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
	32.64.128 ···	Column dots (for graphic modules)	
5	A	Without backlight	Backlight mode (Type + Color)
	B	EL backlight, Blue-green	
	D	EL backlight, Yellow-green	
	E	EL backlight, White	
	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	
	U	LED backlight, Blue	
	W	LED backlight, White	
6	R	Standard (through hole, cable, connector and etc.)	Connecting type
	Y	Straight pin-header	
	Z	Right angle pin-header	
7	None (*1)	TN positive, Gray	LCD mode (Type + Color)
	N	TN negative, Blue	
	S	STN positive, Gray	

7	U	STN positive, Yellow-green	LCD mode (Type+Color)
	M	STN negative, Blue	
	F	FSTN positive, White	
	T	FSTN negative, Black	
8	0~Z	Series number	Model name
9	00~ZZ	IC manufacturer / character pattern /total solution series number	* 2
	NN	Without controller	
10	A	Reflective /Normal temp. /6:00 direction	Polarizer type/ LCD Temperature range/ Viewing direction
	D	Reflective /Normal temp. /12:00 direction	
	G	Reflective /Extended temp. /6:00 direction	
	J	Reflective /Extended temp. /12:00 direction	
	B	Transflective /Noraml temp. /6:00 direction	
	E	Transflective /Noraml temp. /12:00 direction	
	H	Transflective /Extended temp. /6:00 direction	
	K	Transflective /Extended temp. /12:00 direction	
	C	Transmissive /Normal temp. /6:00 direction	
	F	Transmissive /Normal temp. /12:00 direction	
	I	Transmissive /Extended temp. /6:00 direction	
	L	Transmissive /Extended temp. /12:00 direction	
11	No code value	Standard product	Version
	01~ZZ	Special code	

(*1) Without code value

(*2)

Character Pattern	Character							Graphic	
English / Japanese	EA	HO/HA/HC	SO	NO	WA	AO	JA	YA	E4
English / Europe	EB	H2/HB/HC/HU	S5/S6	N5/N6/NI	WB/W5		JB	TA	
English / France	EC		S3	N3					
English / Russia	EH		SH	NH					
English / Chinese		HH							
English / Hebrew			S4/S8	N4/N8					

Note:
A: APANPEC LSI   M: MOTOROLA LSI   R: SHARP LSI   W: SITRONIX LSI
E: ESPON LSI   N: NOVATECH LSI   S: SUMSUNG LSI   Y : SANYO LSI
H: HITACHI LSI   O: OKI LSI   T: TOSHIBA LSI
J : JRC LSI   P: PHILIPS LSI   U: UMC GROUP LSI

(*3) Check with our sales for available combinations.

POWERTIP

● CODING SYSTEM FOR OTHER PRODUCTS

$$\underline{P\,D} \quad - \quad \underline{* \; * \; * \; * \; * \; *}$$

1   2

NO	CODE VALUE	DESCRIPTION	TYPE
1	PD	Powertip design product	Products
2	IN05300,IN05500...	Product characteristic	Types

NOTE:The code value and length of product characteristic are unlimited