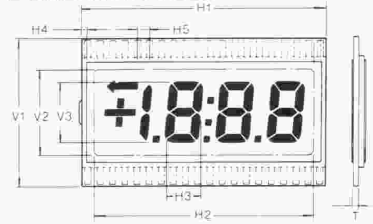


LIQUID CRYSTAL DISPLAYS (STANDARD PRODUCTS)

FEATURES

- Easy on the eyes due to the non-radiating display
- Low power consumption
- Variety of display patterns
- High contrast and wide viewing angle
- High reliability
- Pin type LCDs are available for easy mounting

DIMENSIONS INDEX



Notes

- H1×V1: Panel size
- H2×V2: Viewing area
- H3×V3: Digit size
- T: Glass thickness
- H4: Glass edge to center of first contact pad
- H5: Terminal pitch

Unit : mm

Model	Display contents	Panel size (H1×V1)	Viewing area (H2×V2)	Digit size (H3×V3)	T	H4	H5	Suitable LSI
SP501P	4½ digits ÷ LOBAT	50.80×30.48	45.72×17.78	5.50×12.00	1.10	1.65	2.54	INTERSIL ICM7224
SP503P	3½ digits ÷ ←	50.80×30.48	45.72×17.78	7.00×12.70	1.10	1.27	2.54	INTERSIL ICL7106
SP505P	4 digits	50.80×30.48	45.72×17.78	7.00×12.70	1.10	1.27	2.54	OKI MSM58292B
SP511P	6 digits	93.85×38.10	88.90×25.40	8.50×17.78	1.10	16.45	2.54	RCA CD4055A
SP513P	4 digits	93.85×38.10	88.90×25.40	14.00×17.78	1.10	1.27	2.54	—
SP516P	4½ digits ÷ ←	50.80×22.86	45.72×12.70	4.50×7.62	1.10	1.27	2.54	INTERSIL ICM7224
SP521P/SP521	3½ digits ÷ LOBAT	50.80×30.48	45.72×17.78	7.00×12.70	1.10	1.27	2.54	INTERSIL ICL7106
SP530P/SP530	3½ digits ÷ ←	50.80×22.86	45.72×12.70	5.59×8.89	1.10	1.65	2.54	INTERSIL ICL7106
SP531P	4 digits	50.80×22.86	45.72×12.70	5.59×8.89	1.10	1.65	2.54	OKI MSM58292B
SP532P	6 digits	69.85×30.48	64.77×17.78	6.60×12.70	1.10	5.72	2.54	RCA CD4055A
SP538P	5 digits	81.28×38.10	76.20×25.40	9.14×17.78	1.10	10.16	2.54	RCA CD4055A

*SP□□□P Pin (DIP) type SP□□□ Rubber (zebra) connector type

STANDARD SPECIFICATIONS

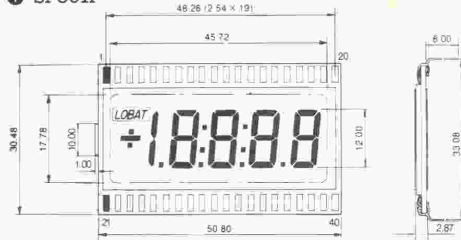
- Driving method
 - Static
 - Operating voltage: 3.0V
- Environmental condition
 - Operating temperature range: -10°C to +60°C
 - Storage temperature range: -20°C to +60°C
- Connector
 - Rubber (zebra) connector type or pin type
- Viewing angle
 - 6 o'clock
- Polarizer
 - Normal color
 - Reflective type
- LCD
 - TN LCD

OPTION SPECIFICATIONS

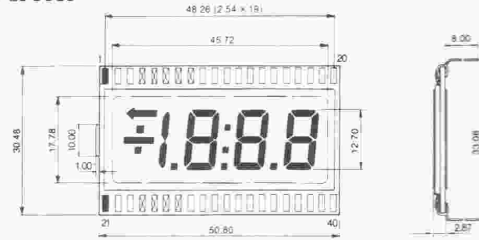
- Environmental condition
 - (Wide temperature range: High reliability type)
 - Operating temperature range: -30°C to +80°C
 - Storage temperature range: -40°C to +85°C
- Viewing angle
 - 12 o'clock
- Polarizer
 - Color: Gold, Red, Blue, Green
 - Type: Transmissive, Transflective

DRAWINGS Unit: mm (typ.)

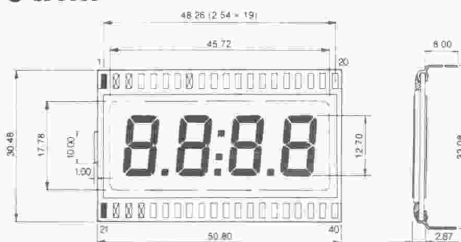
1 SP501P



2 SP503P



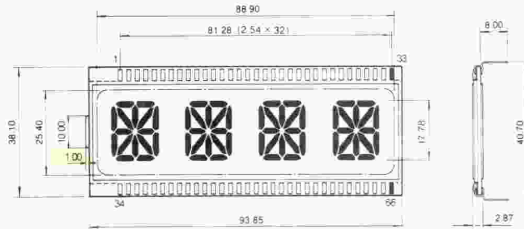
3 SP505P



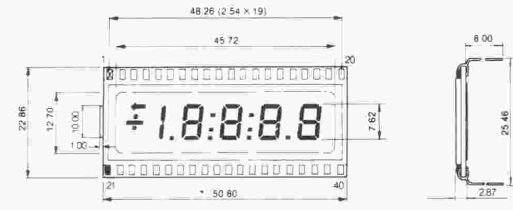
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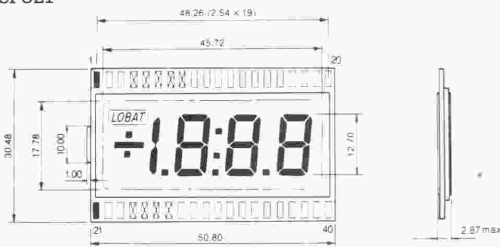
5 SP513P



6 SP516P



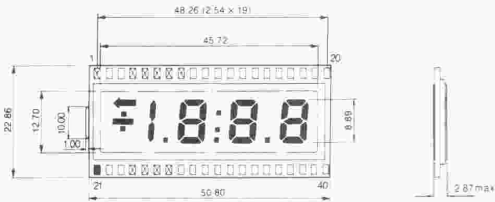
7 SP521



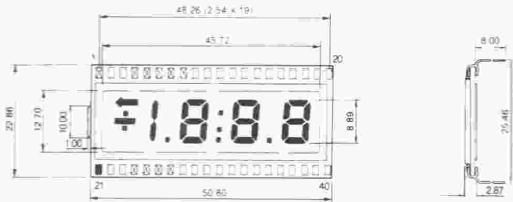
8 SP521P



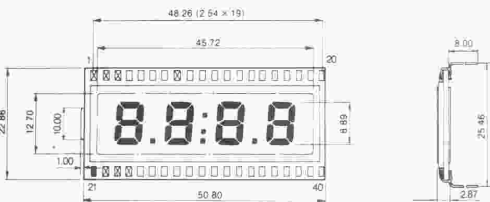
9 SP530



10 SP530P



11 SP531P



12 SP532P



13 SP538P

