

LED GRAPHIC DISPLAY UNIT



Stanley LED graphic displays made with super bright LEDs guarantee a bright and clear display. Including 64, 96 and 144, Stanley also provides 4 digit type LED mini modules such as 132, 140 and many other different kinds of LEDs.

▼DESCRIPTION ON TYPE NO.

LMD 04 A- C RG -

LED Mini Module

MM 12 16 C- R 4

OUTER DIMENSIONS	No. of Dot	TYPE	EMITTED COLOR	DUTY	SUFFIX	Outer Dimensions	No. of Dot	Type	Emitted Color	No. of Digit
256 : 16X16	C : Chip	L : Lamp	RG : Red, Green	4 : 1/4 duty 8 : 1/8 duty 16 : 1/16 duty	M : With memory M1 : With memory 2 : Dual 2C : With dual clear film	12 : 1.2 inch : 32mm 15 : 1.5 inch : 40mm	256 : 16X16	C : Chip	R : Red G : Green RG : Red, Green (Bicolor)	4 : 4
04 : 64										
06 : 96										
09 : 144										
10 : 160										

▼CHARACTERISTICS BY COLOR

Emitted Color		Peak Wavelength λ_p		Operating Temp. (Topr.)		Storage Temp. (Tstg.)	
		TYP.	If	LMD Series	MM Series *1	LMD Series	MM Series *1
Red		660	20	-5~+40	-5~+65	-20~+70	-20~+85
Green		570	20	-5~+40	-5~+65	-20~+70	-20~+85
Bicolor	Red	660	20	-5~+40	-5~+65	-20~+70	-20~+85
	Green	570	20				
Units		nm	mA	°C			

*1 Surface temp. is less than 70 °C.

▼CHARACTERISTICS BY SHAPE

Ta=25°C

Size WXH	Shape	Type No.	Emitted Color	Dot Size	Dot Pitch	Dot Format	Logic Circuit		Display Circuit		Luminosity TYP.	Viewing Angle MIN.	Data Transmission Speed MAX.	Driving Method	fig.
							Input Volt. Vcc1	Current Consumption Icc1MAX.	Input Volt. Vcc2	Current Consumption Icc2MAX.					
96		LMD06A-CRG8	Red	φ 4.8	6	16×16	5±0.25	3.8	—	—	200	120	2.0	1/8 Duty Drive	1
			Green								200				
144		LMD09A-LRG4	Red	φ 7.2	9	16×16	5±0.25	0.15	5±0.25	4.0	150	90	2.0	1/4 Duty Drive	2
			Green								250				
		LMD09A-LRG16	Red	φ 7.2	9	16×16	5±0.25	0.06	5~7	2.4	80	90	2.0	1/16 Duty Drive	
			Green								105				
160		LMD10A-LRGS	Red	φ 7.5	10	16×16	5±0.25	0.15	2.75 ±0.25	±2 10.5	1800	Left or Right 80	2.0	Static Drive	3
			Green								800				
64 × 128		LMD04A-CRG16-2	Red	φ 3	4	16×32	5±0.25	0.15	5±0.25	±2 3.6	90	120	2.0	1/16 Duty Drive	4
			Green								135				
		LMD04A-CRG16-2C	Red	φ 3	4	16×32	5±0.25	0.15	5±0.25	±2 3.6	90	120	2.0	1/16 Duty Drive	
			Green								135				
96 × 192		LMD06A-CRG16-2	Red	φ 4.8	6	16×32	5±0.25	0.15	5±0.25	3.8	90	120	2.0	1/16 Duty Drive	5
			Green								90				
32 × 128		MM1216C-R4	Red	φ 1.6	2	16×64	5±0.25	1.73	—	—	50	120	2.0	1/16 Duty Drive	6
		MM1216C-G4	Green	φ 1.6	2	16×64	5±0.25	1.53	—	—	50	120	2.0	1/16 Duty Drive	
40 × 160		MM1516C-R4	Red	φ 1.8	2.5	16×64	5±0.25	0.13	5±0.25	1.6	50	120	2.0	1/16 Duty, Drive	7
		MM1516C-G4	Green	φ 1.8	2.5	16×64	5±0.25	0.13	5±0.25	1.4	50	120	2.0	1/16 Duty, Drive	
		MM1516C-RG4	Red	φ 1.8	2.5	16×64	5±0.25	0.25	5±0.25	3.0	50	120	2.0	1/16 Duty Drive	
			Green								50				
mm	Units			mm	mm	dot	V	A	V	A	cd/m ²	deg.	Mb/s		

*2 The lighting ratio is 50% max.

6

LED GRAPHIC DISPLAY UNIT

▼MODULE DIMENSIONS Unit : mm

fig. 1

96 [LMD06A-CR8]

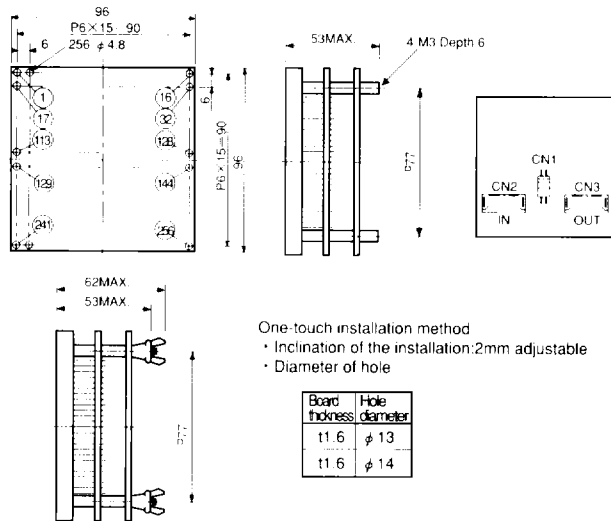


fig. 2

144 [LMD09A-LRG4, LMD09A-LRG16]

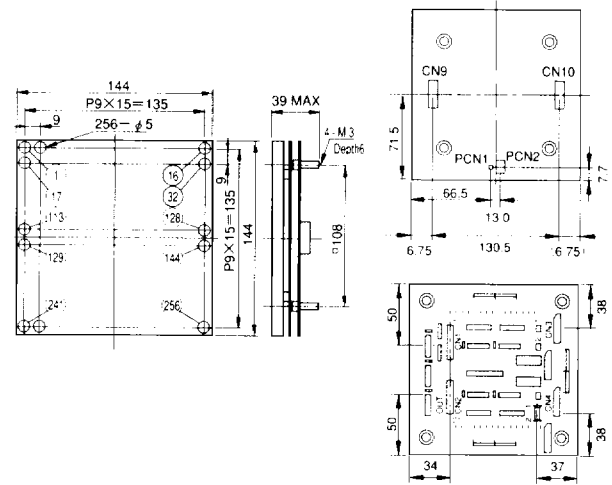


fig. 3

160 [LMD10A-LRGS]

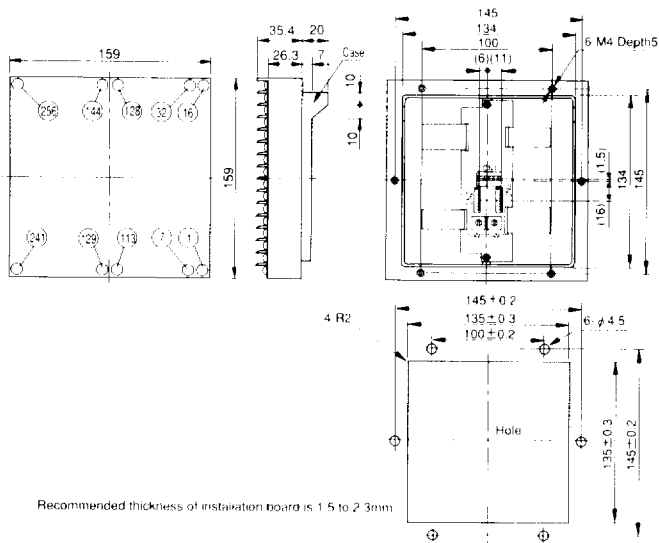
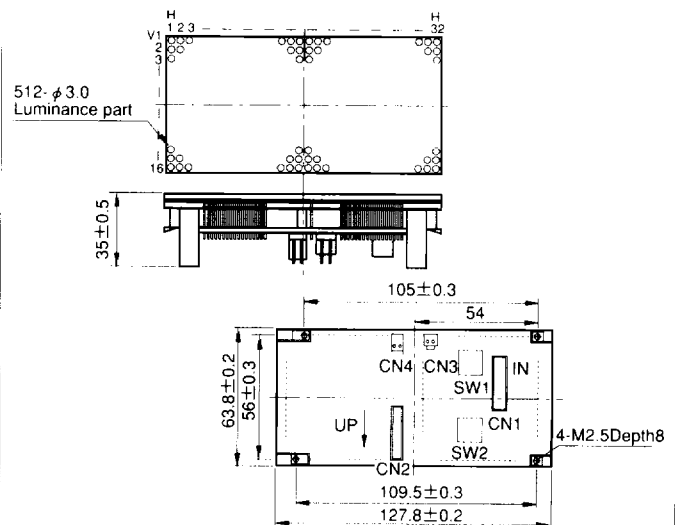


fig. 4

64 [LMD04A-CRG16-2, 2C]



▼MODULE DIMENSIONS Unit : mm

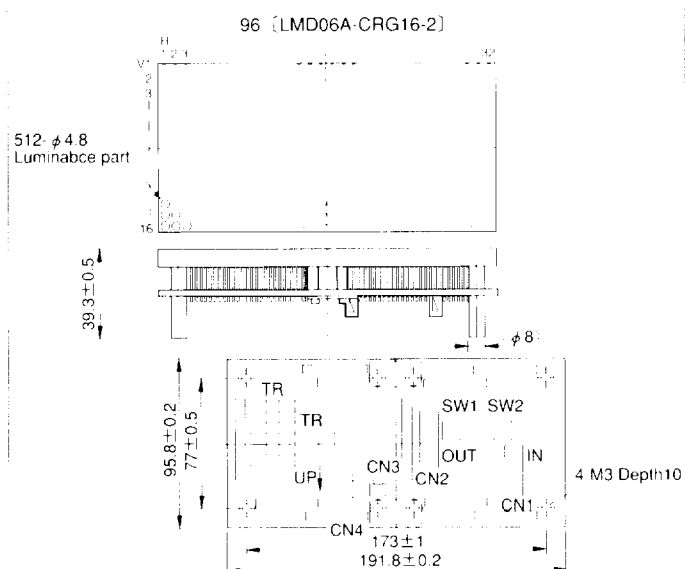


fig. 6

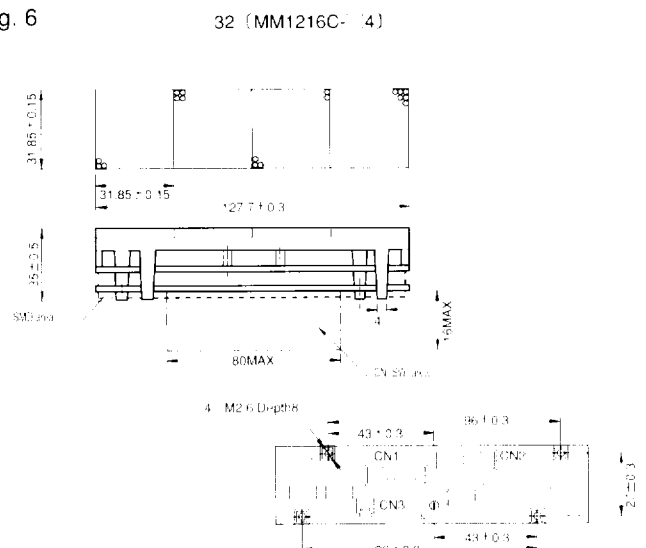


fig. 7

