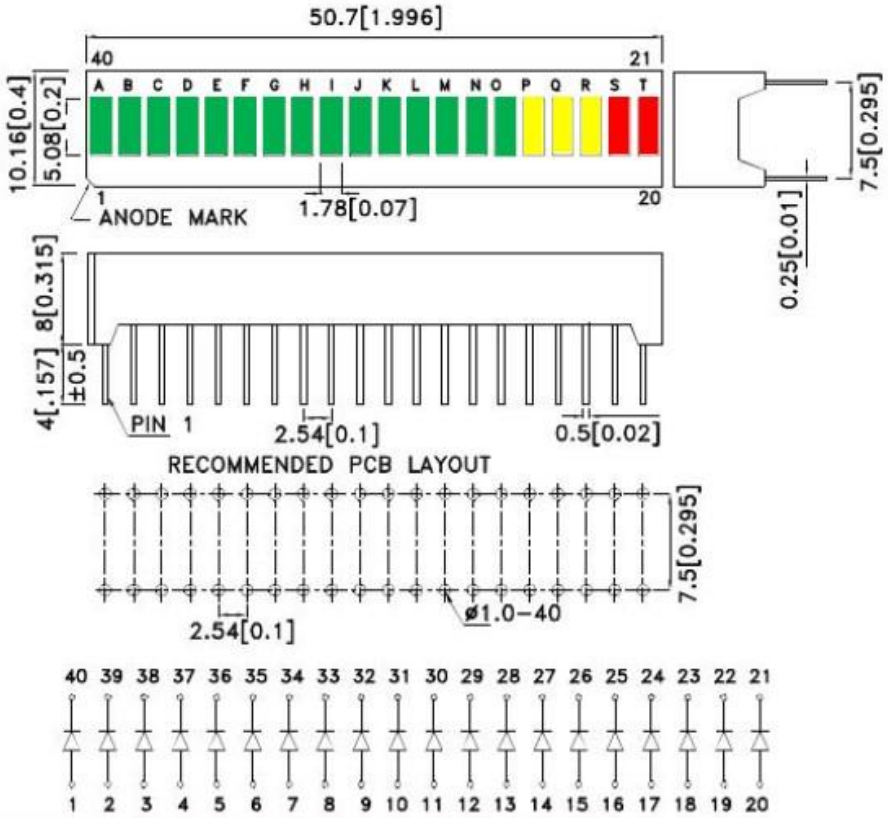
Specifications of 20 segment LED display

Part：KEM-105120-BGYR

Features:

Bar height	50.7mm	Epoxy color	Milky white
Bar width	10.16mm	Pin quantity	40pcs
Surface color	Black	Emitting color	Super green

Package dimension& Internal circuit diagram



Bar A/B/C/D/E/F/G/H/I/J/K/L/M/N/O: Super green

Bar P/Q/R: Yellow

Bar S/T: Super red

☆ABSOLUTE MAXIMUM RATINGS（Ta=25℃）

ITEM	Amber	Super green	Super red	High red	Yellow green	Yellow	Blue	Pure green	White	UNIT
Power Dissipation (Pd)	52	50	40	36	44	42	66	66	66	mW
Peak Forward Current (Ifp)	100	100	100	100	100	100	100	100	100	mA
Continuous Forward Current(If)	20	20	20	20	20	20	20	20	20	mA
Reverse Voltage (Vr)	5	5	5	5	5	5	5	5	5	V
Reverse Current(Ir)	20	20	20	20	20	20	20	20	20	Ua
Operating Temperature Range(Ta)	-35~+85									℃
Storage Temperature Range(Tstg)	-35~+85									℃
Lead Solder Temperature	260℃ for 3 sec									

☆ Color Code & Chip characteristic: (Test Condition: IF=20Ma)

Emitting Color	Peak Wavelength		Forward Voltage IF=20Ma (V)		Luminous Intensity IF=20Ma(mcd)
	(λp)	△λ	Typ	Max	Max
Amber	605-615	30	1.9	2.4	30
Super green	565-575	30	1.9	2.4	80
Super red	625-630	20	1.8	2.3	100
High red	640-660	20	1.8	2.3	20
Yellow green	570-580	30	1.9	2.4	12
Yellow	590-600	35	1.9	2.4	60
Blue	465-475	40	3.0	3.3	200
Pure green	515-525	40	3.0	3.3	200
White			3.0	3.3	180