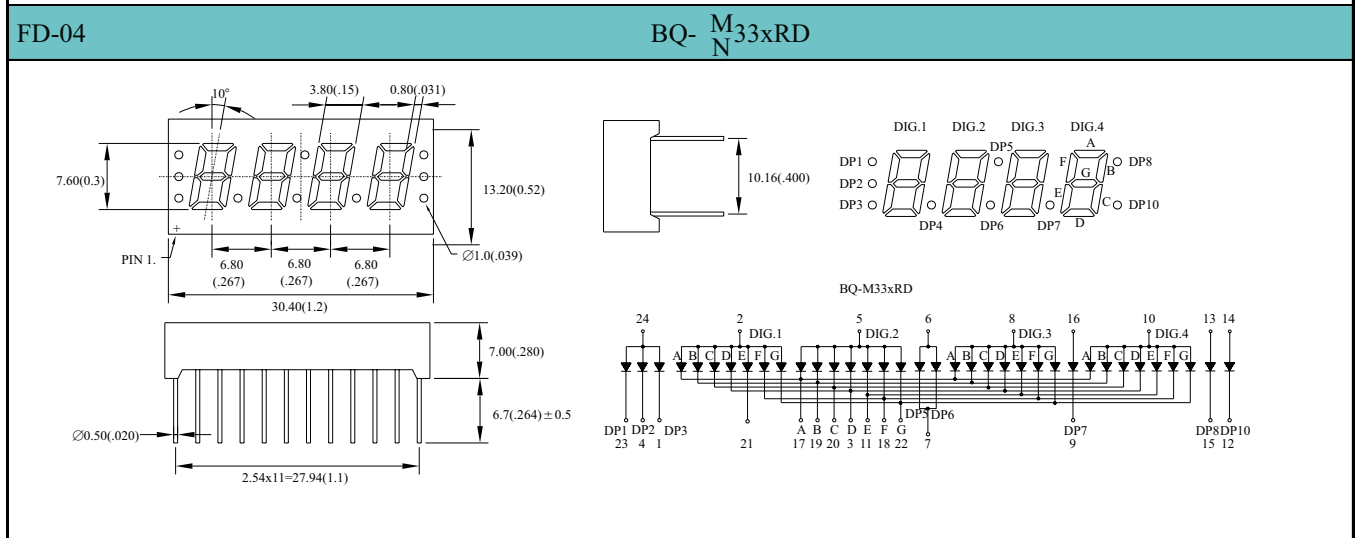
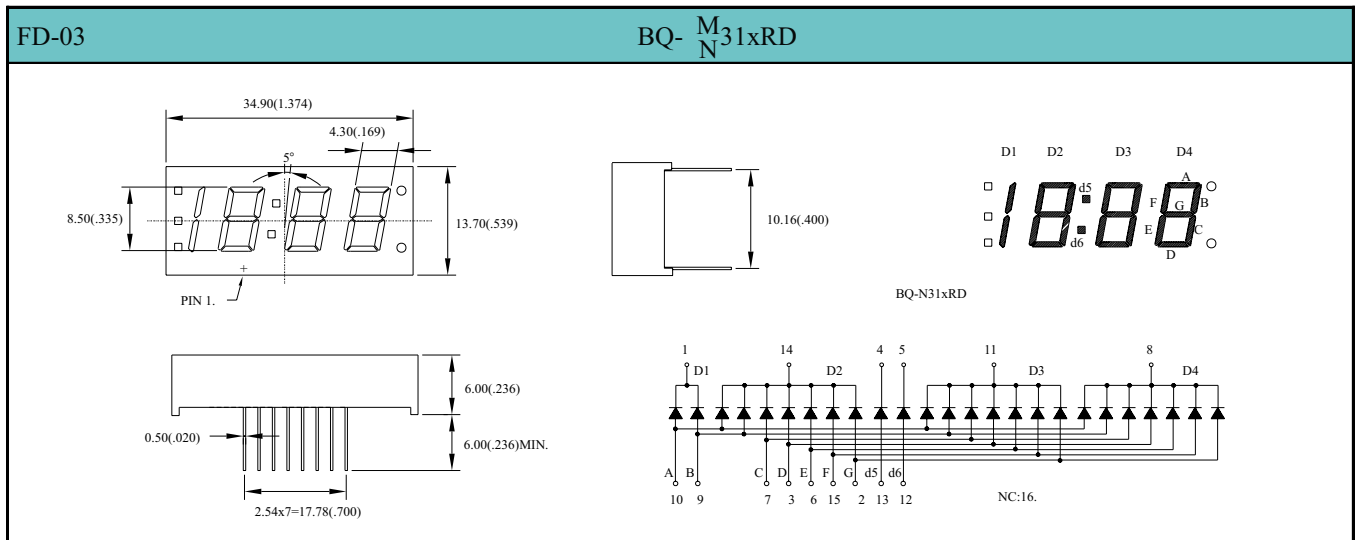


# FOUR DIGIT LED DISPLAYS

Digit Size	Part No.		Chip		Absolute Maximum Ratings				Electro-optical Data(At 10mA)			Drawing No.
	Common Anode	Common Cathode	Material/Emitted Color	Peak Wave Length $\lambda_p$ (nm)	$\Delta \lambda$ (nm)	Pd (mw)	If (mA)	Ifp (mA)	Vf (v)		Iv. Typ. Per.Seg. (mcd)	
									Typ.	Max.		
0.31" Four-Digit	BQ-M311RD	BQ-N311RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	FD-03
	BQ-M315RD	BQ-N315RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
	BQ-M315RE	BQ-N315RE										
	BQ-M312RD	BQ-N312RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
	BQ-M313RD	BQ-N313RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0	
	BQ-M314RD	BQ-N314RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0	
			GaAsP/GaP/ Orange									
	BQ-M316RD	BQ-N316RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0	
BQ-M31DRD	BQ-N31DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0		
0.33" Four-Digit	BQ-M331RD	BQ-N331RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	FD-04
	BQ-M335RD	BQ-N335RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
	BQ-M335RE	BQ-N335RE										
	BQ-M332RD	BQ-N332RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
	BQ-M333RD	BQ-N333RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0	
	BQ-M334RD	BQ-N334RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0	
			GaAsP/GaP/ Orange									
	BQ-M336RD	BQ-N336RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0	
BQ-M33DRD	BQ-N33DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0		



NOTES: 1. All Dimensions are in millimeters(inches).  
 2. Tolerance is  $\pm 0.25\text{mm}(.010")$ .  
 3. Specifications are subject to change without notice.  
 4. NP:No Pin. 5. NC:No Connect.