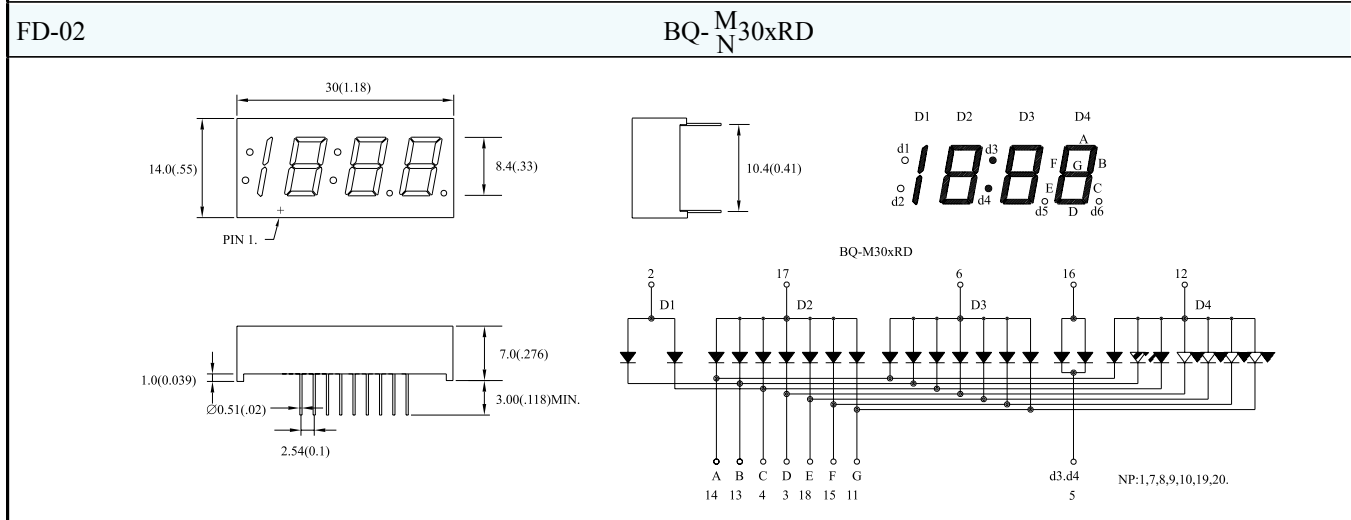
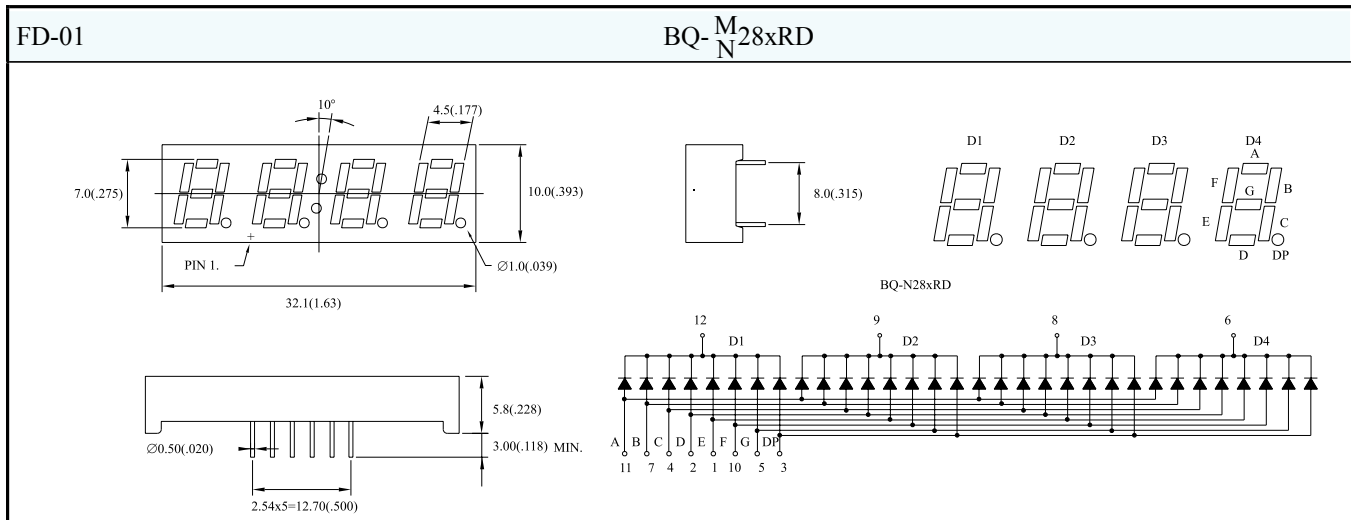




Four Digit LED Displays 7-Segment

| 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 λ_p (nm) | $\Delta\lambda$ (nm) | Pd (mw) | If (mA) | Ifp (mA) | Vf (v) | | Iv. Typ. Per.Seg. (mcd) | |
| | | | | | | | | | Typ. | Max. | | |
| 0.28" Four-Digit | BQ-M281RD | BQ-N281RD | GaAsP/Red | 655 | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 0.5 | FD-01 |
| | BQ-M285RD | BQ-N285RD | GaP/ Bright Red | 700 | 90 | 40 | 15 | 50 | 2.2 | 2.5 | 1.0 | |
| | BQ-M285RE | BQ-N285RE | | | | | | | | | | |
| | BQ-M282RD | BQ-N282RD | GaP/ Green | 568 | 30 | 80 | 30 | 150 | 2.2 | 2.5 | 2.5 | |
| | BQ-M283RD | BQ-N283RD | GaAsP/GaP/ Yellow | 585 | 35 | 80 | 30 | 150 | 2.1 | 2.5 | 2.0 | |
| | BQ-M284RD | BQ-N284RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 2.5 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| BQ-M286RD | BQ-N286RD | GaAlAs/ SH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 4.5 | | |
| BQ-M28DRD | BQ-N28DRD | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 5.5 | | |
| 0.30" Four-Digit | BQ-M301RD | BQ-N301RD | GaAsP/Red | 655 | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 0.6 | FD-02 |
| | BQ-M305RD | BQ-N305RD | GaP/ Bright Red | 700 | 90 | 40 | 15 | 50 | 2.2 | 2.5 | 1.2 | |
| | BQ-M305RE | BQ-N305RE | | | | | | | | | | |
| | BQ-M302RD | BQ-N302RD | GaP/ Green | 568 | 30 | 80 | 30 | 150 | 2.2 | 2.5 | 3.0 | |
| | BQ-M303RD | BQ-N303RD | GaAsP/GaP/ Yellow | 585 | 35 | 80 | 30 | 150 | 2.1 | 2.5 | 2.0 | |
| | | | GaAsP/GaP/ Hi-Eff.Red | | | | | | | | | |
| | BQ-M304RD | BQ-N304RD | GaAsP/GaP/ Orange | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 3.0 | |
| GaAlAs/ SH Super Red | | | | | | | | | | | | |
| BQ-M306RD | BQ-N306RD | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 6.0 | | |
| BQ-M30DRD | BQ-N30DRD | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 7.0 | | |



NOTES: 1. ALL Dimensions are in millimeters(inches).
 3. Specifications are subject to change without notice.

2. Tolerance is $\pm 0.25\text{mm}(0.010")$
 4. NP: No Pin. 5. NC: No Connect