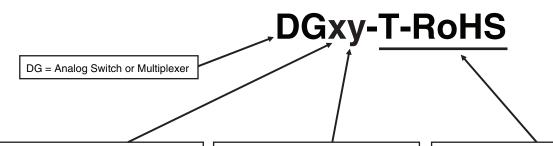




## PART NUMBERING NOMENCLATURE



## Base Part Number (x)

- Base part number is either 3 or 4 digits.
- 3 digit base part number presents a High Voltage device (V+ > 5 V) that operate up to V+ = 44 V. For Example
- 4 digit base part numbers represent low voltage devices  $(V+ \le 5 V)$  and either start with the number "2" or "3". For example: DG2735 or DG3535.
- 4 digit base part number starting with "9" represent "medium" voltage with a max V+ = 12 V and can operate down at V+=3 V. For example: DG9415.
- A letter may follow the base part number. For example: DG508B or DG4051A. The letter represents a "newer" revision of the device.

## **Operating Temperature and** Package Code (y)

- Represented by two letter characters.
- First letter specifies the rated operating temperature range.

 $D = -40 \, ^{\circ}C \text{ to} + 85 \, ^{\circ}C$ 

 $E = -40 \, ^{\circ}\text{C}$  to  $+ 125 \, ^{\circ}\text{C}$ 

- Second letter character identifies the package type.
  - Y = SOIC (narrow body)
  - W = SOIC (wide body)
  - N = Leadless package (standard or miniQFN)
  - B = MicroFOOT® (Chipscale)
  - Q = TSSOP or MSOP
- Examples:

DG3535DB DG2735DN DG611AEQ

## Shipping Method and RoHS Status

- "-T" represents that the devices are shipped in Tape and Reel. There are several options: -T1, -T3, or -T5.
- The absence of Tape & Reel option indicates that the devices are shipped in tubes.
- The final suffix to the part number is the RoHS designator.
- "-E" number indicates that the device is RoHS compliant.
- There are 3 "-E" numbers that represent the different lead-free finishes:
  - E1 = Tin/Silver/Copper
  - E3 = 100 % matte Tin
  - E4 = Nickel/Gold/Palladium
- Examples:

DG408DY = part shipped in tubes/finish is tin-lead DG417BDY-T1 = part shipped in Tape and Reel/finish is tin-lead DG9411DL-T1-E3 = parts shipped in Tape and Reel/ lead-free finish

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