

PART NUMBERING NOMENCLATURE

DGxy-T-RoHS

DG = Analog Switch or Multiplexer

Base Part Number (x)

- Base part number is either 3 or 4 digits.
- 3 digit base part number presents a High Voltage device ($V_+ > 5\text{ V}$) that operate up to $V_+ = 44\text{ V}$. For Example DG408.
- 4 digit base part numbers represent low voltage devices ($V_+ \leq 5\text{ V}$) 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 $V_+ = 12\text{ V}$ and can operate down at $V_+ = 3\text{ V}$. 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 °C to + 85 °C
 - E = - 40 °C to + 125 °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