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Intersil Nomenclatures

ISL Types

PREFIX	ISL	X	XXXX	X	I	XX	X	XXX	Z	-T	SUFFIX/ POST PROCESSING/ SPECIAL SERVICES
<p>FAMILY DESIGNATOR</p> <p>1: DSL, RTC, Clocks, ATE 2: Reference, DCPs, Buffers, Precision Op Amp, Sensors 3: Interface, Data Communication 4: Analog Component Solutions 5: High Speed Amps, Switch/MUX, ADCs, DACs, Optical, Video, Telecom VoIP, DSP Function Specific 6: Desktop Power 7: Space, Auto 8: Analog Switches, General Purpose Power 9: Notebook, Handheld</p>											
<p>PART NUMBER</p> <p>3 to 5 Digits</p>											
<p>OPTION</p> <p>E: 15kV ESD Protected DCP Resistance Options W: 10k U: 50k T: 100k</p>											
<p>TEMPERATURE RANGE</p> <p>C: 0°C to +70°C (Commercial) D: 0°C to +85°C H: -10°C to +100°C (Hi-Temp Comm.) E: -20°C to +85°C (Extended Comm.) I: -40°C to +85°C (Industrial) A: -40°C to +105°C (Automotive) F: -40°C to +125°C (Full-range Industrial) P: -40°C to +130°C (Power Supply) M: -55°C to +125°C (Military) RHV: QML Class V RHQ: QML Class Q RHT: QML Class T</p>											
<p>PB-FREE OPTION</p> <p>Z: Pb-Free with Anneal (Anneal added after 01Mar05) ZA: Pb-Free with Anneal</p>											
<p>SPECIAL SELECTIONS</p> <p>Optional Characters to Denote Operating Conditions or Package Options: 18: 1.8V 33: 3.3V EP: Enhanced Plastic (DSCC Vendor Item Drawing)</p>											
<p>OPTIONAL ELECTRICAL GRADE</p> <p>To Denote Speed or Precision Grading as Defined in Datasheet</p>											
<p>PACKAGE DESIGNATOR</p> <p>A: Shrink Small Outline Plastic (SSOP/QSOP) B: Small Outline Plastic (SOIC) BE: Exposed Pad SOIC (EPSOIC) C: Available D: Ceramic Dual-In-Line Metal Seal (SBDIP) E: Small Outline Transistor Plastic (SC-70) F: Ceramic Flatpack G: Available H: Small Outline Transistor Plastic (SOT-23) HT: Thin Small Outline Transistor Plastic (HTSOP) I: Chip Scale Package (CS) J: Ceramic Dual-In-Line Frit Seal (CERDIP) K: Ball Grid Array (FBGA/PBGA/LGA) KE: Heat Sink Ball Grid Array (HBGA) KV: Very Thin Fine Pitch BGA (VFPGA) L: Ceramic Leadless Chip Carrier (CLCC, SMD 0.5) M: Plastic Leaded Chip Carrier (PLCC) N: Thin Plastic Quad Flatpack (TQFP/LQFP) O: Do Not Use P: Dual-In-Line Plastic (PDIP) Q: Metric Plastic Quad Flatpack (MQFP/PQFP) R: Quad/Dual Flat No Lead (QFN/DFN) RO: Optical Quad/Dual Flat No Lead (OQFN/QDFN) RT: Thin Quad/Dual Flat No Lead (TQFN/TDFN) RU: Ultra Thin Quad/Dual Flat No Lead (UTQFN/UTDFN/ePad UTQFN) RS: Top Exposed Pad QFN (TEPQFN) S: Header (TO-257) T: Metal Can (TO-39) U: Mini Small Outline Package (MSOP) UE: Thermally Enhanced Mini Small Outline Package (HMSOP) UO: Optical Mini Small Outline Package (OSOP) V: THIN Shrink Small Outline Plastic (TSSOP) VE: Thermally Enhanced Thin Shrink Small Outline Plastic (HTSSOP/EPTSSOP) W: Wafer Sale WMB: Wafer Sale With Solderable Metal Backing Layer XM: Die Sale, Military Visual (Condition B) XC: Die Sale, Commercial Visual XB: Die Sale, Bumped Die (FCP) Y: Available Z: Do Not Use</p>											

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EL Types

EL
PREFIX

1503
PART NUMBER

A
OPTIONAL SUFFIX OR PART VARIATION

I
TEMPERATURE RANGE

R
PACKAGE FAMILY

Z
PB-FREE OPTION
Z: Pb-Free Product
ZA: Pb-Free with Anneal

-T
SUFFIX/POST PROCESSING/SPECIAL SERVICES
-T: Tape and Reel
-T7: 7" Reel
-T7A: 7" Reel (250 pcs)
-T13: 13" Reel

TEMPERATURE RANGE

- C: (Commercial) 0°C to +70°C
- I: (Industrial) -40°C to +85°C
- M: (Military) -55°C to +125°C
- A: (Automotive) -40°C to +105°C
- D: 0°C to +85°C
- E: (Extended Comm) -20°C to +85°C

PACKAGE FAMILY

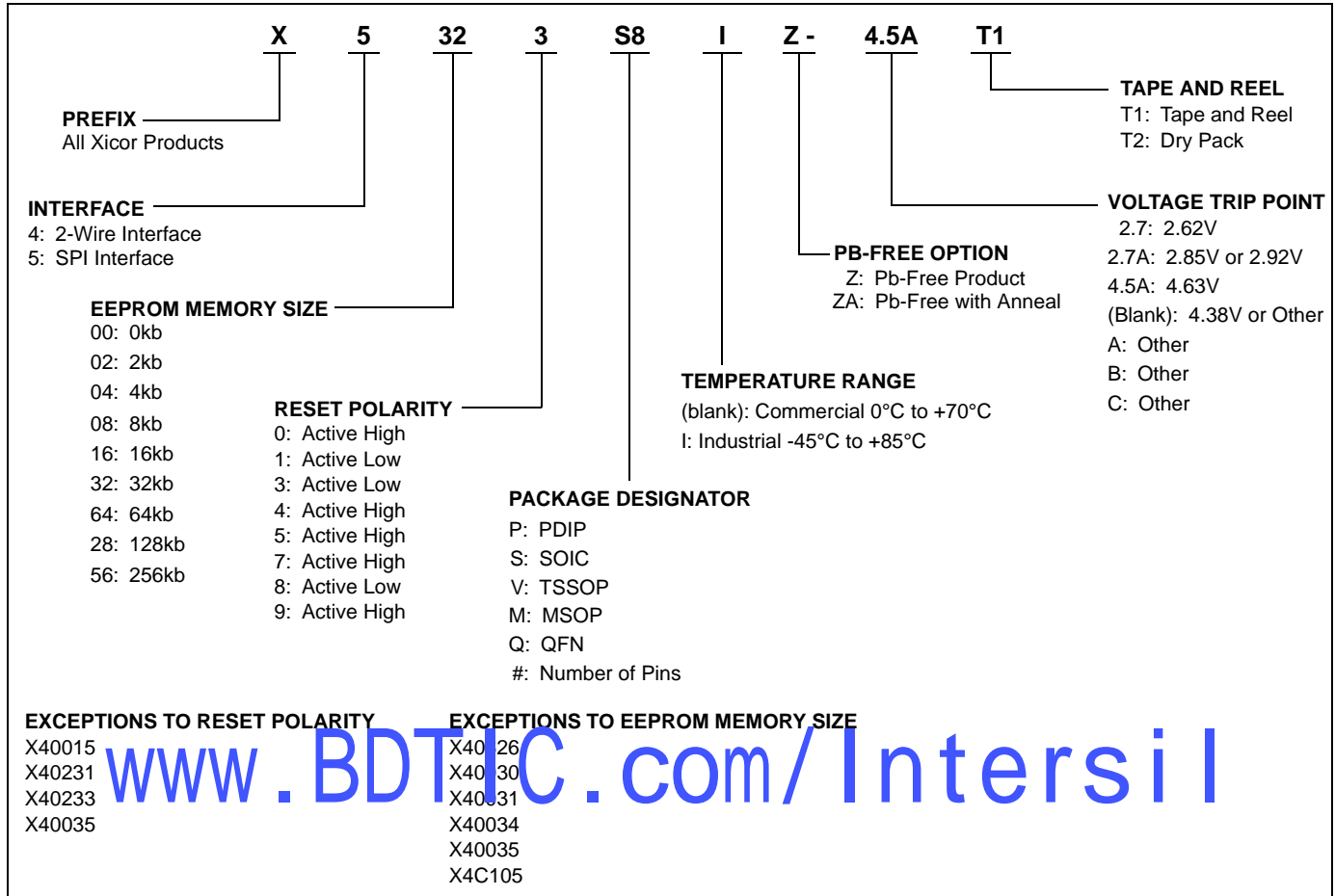
PACKAGE TYPE	PACKAGE DESIGNATOR
Bare Die	D
CerDip	J
QFN/DFN (Saw Singulate)	L
SO (0.300") and HSOP	M
PDIP	N
TSSOP (4.4 mm)	R
HTSSOP (4.4 mm)	RE
SO (0.150")	S
TO-220	T
QSOP	U
SOT 23	W
MSOP	Y
HMSOP	YE
TSOT	WT
SC-70	C

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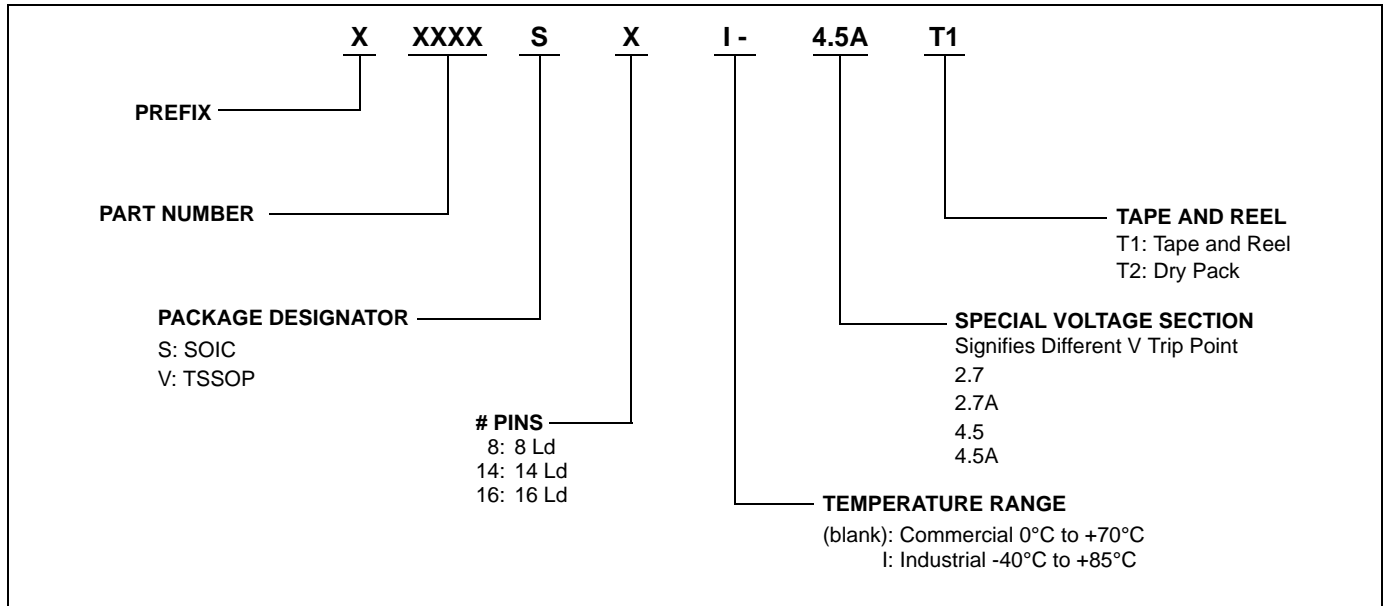
X Types

System Management Products (SMP)



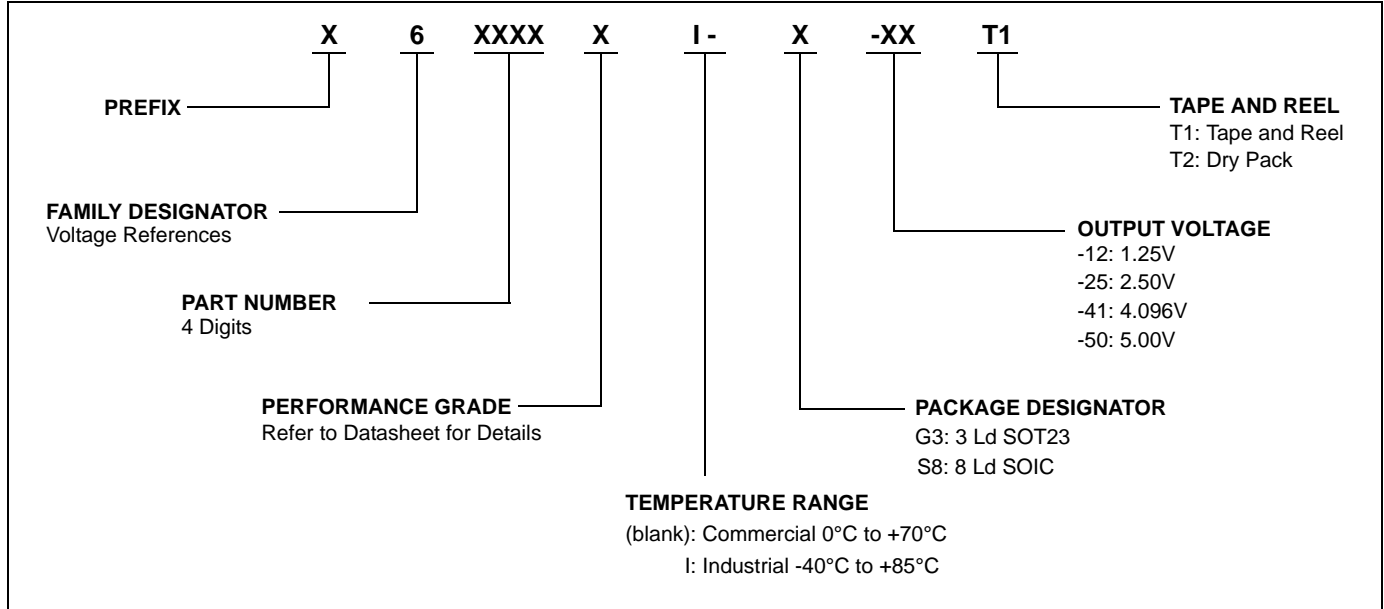
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Real Time Clocks (RTC)

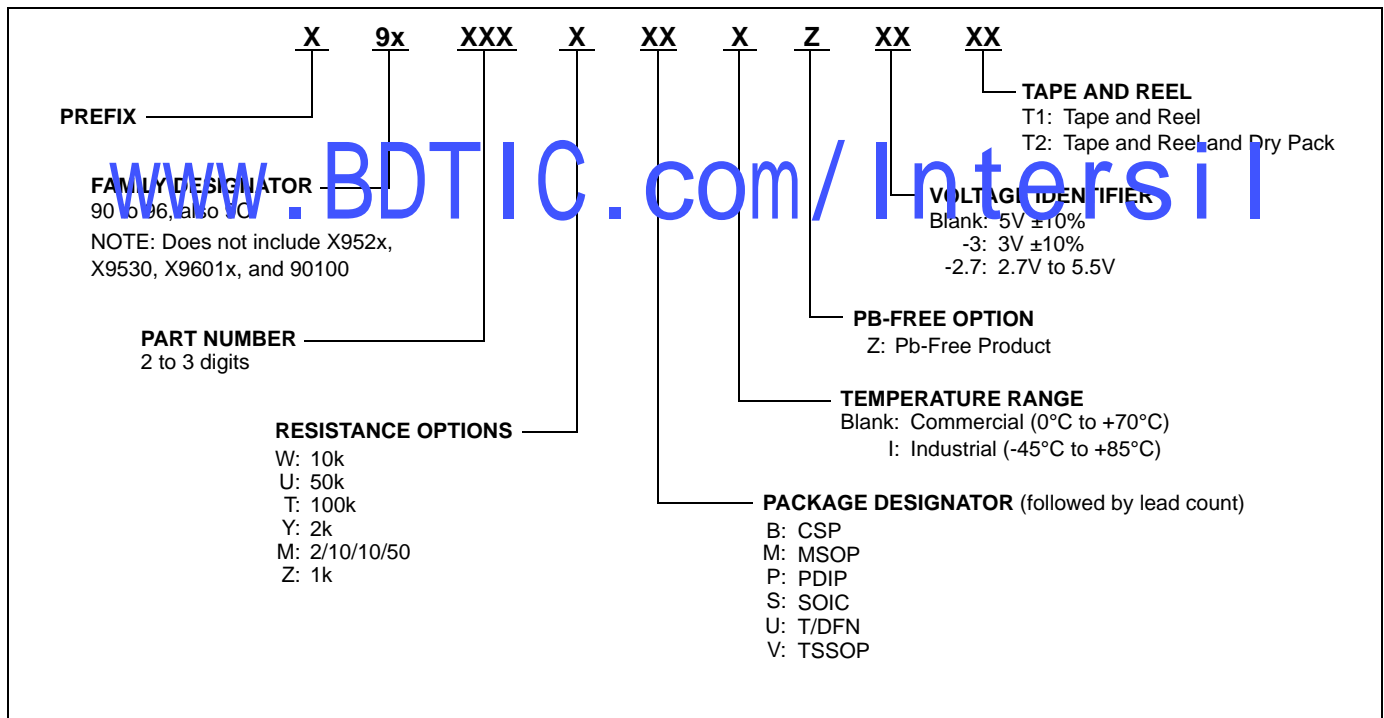


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Voltage References (VREFs)

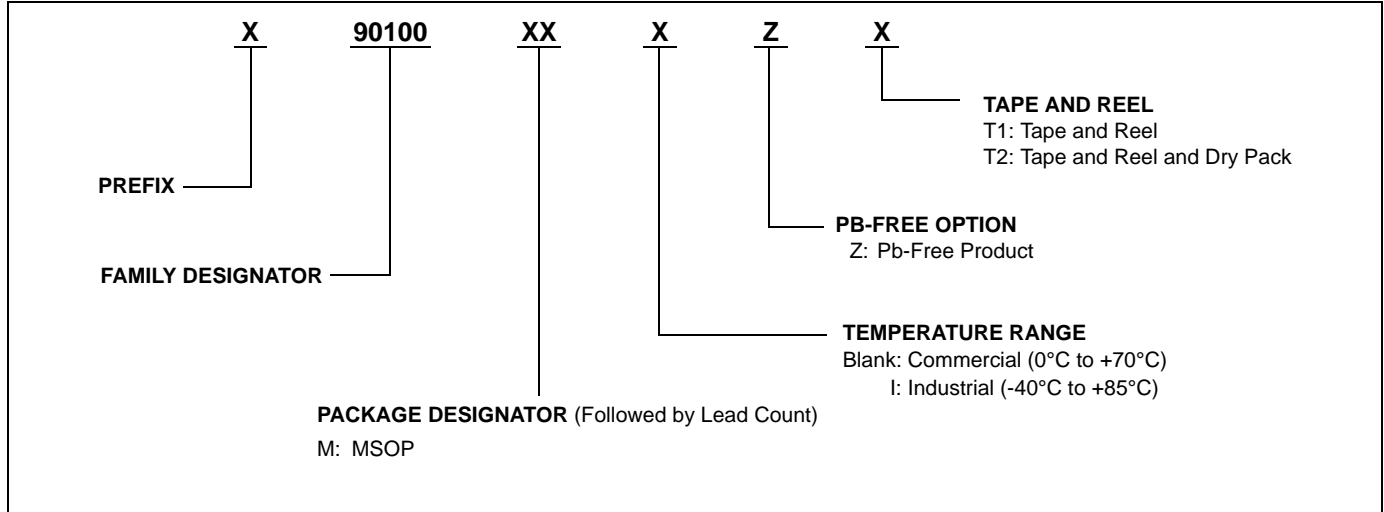


Digitally Controlled Potentiometers (DCPs)

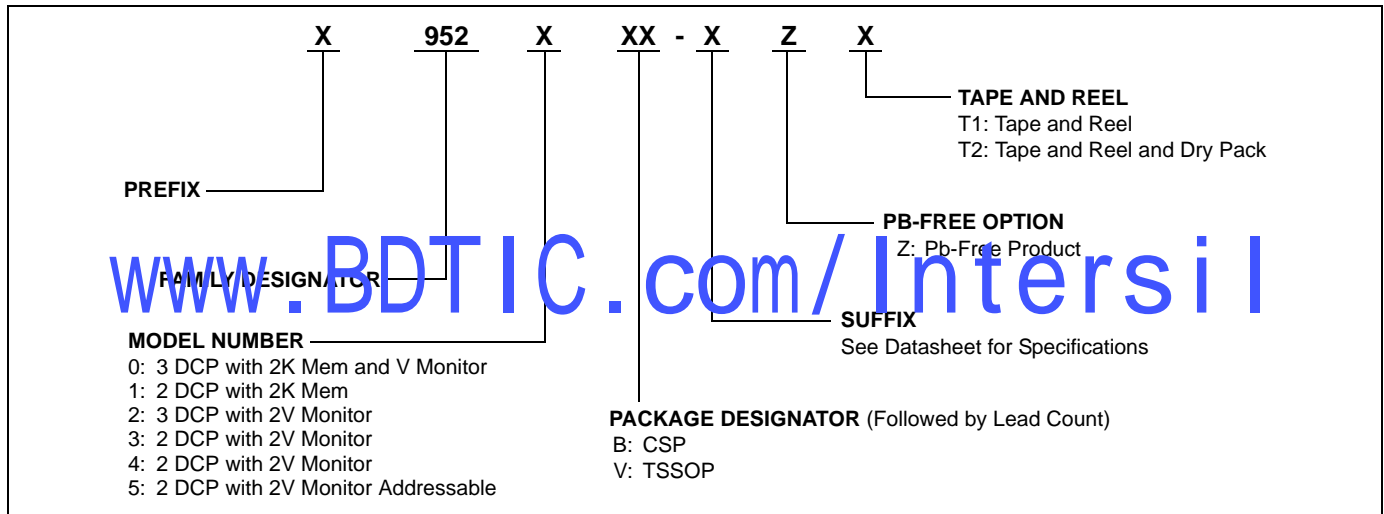


Nomenclature Guides

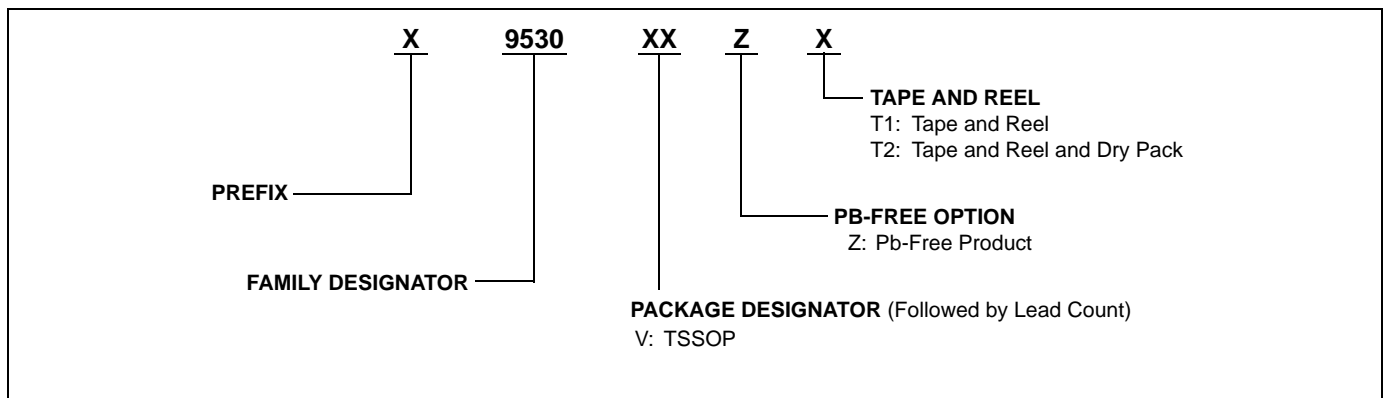
Digitally Controlled Capacitors (DCCs)



Bias and Control for Laser Diode with Integrated DCP

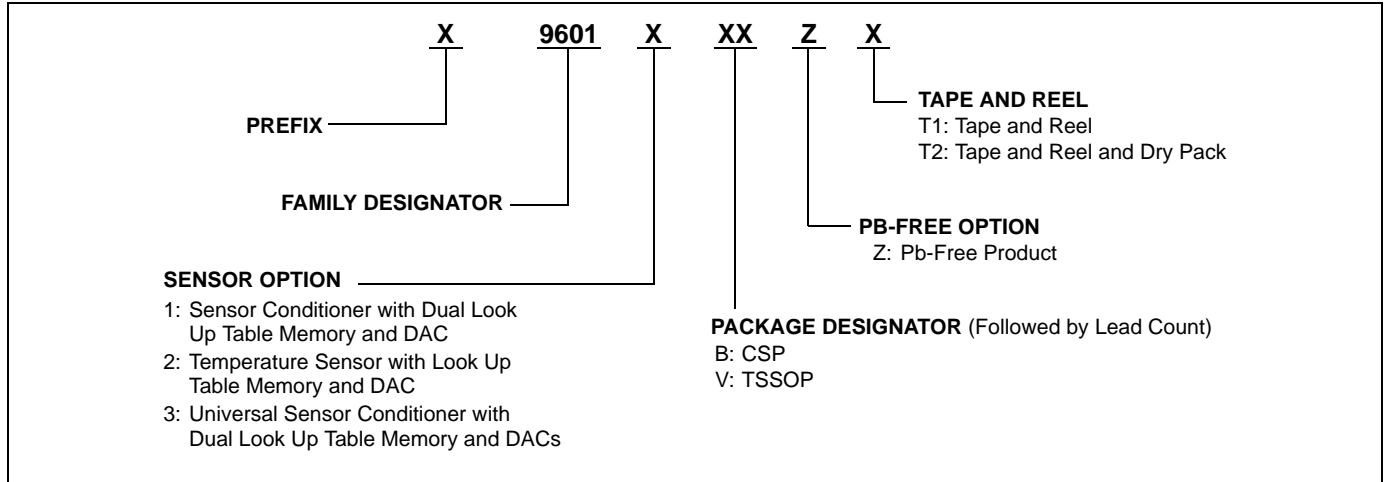


Bias and Control for Laser Diode

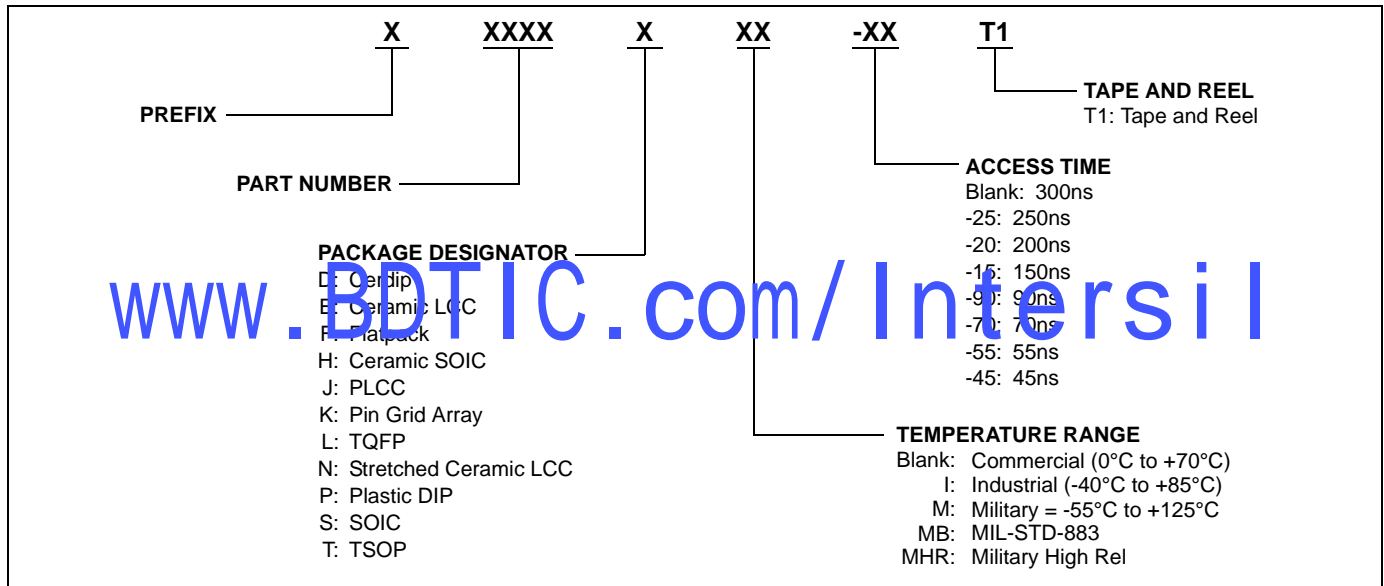


Nomenclature Guides

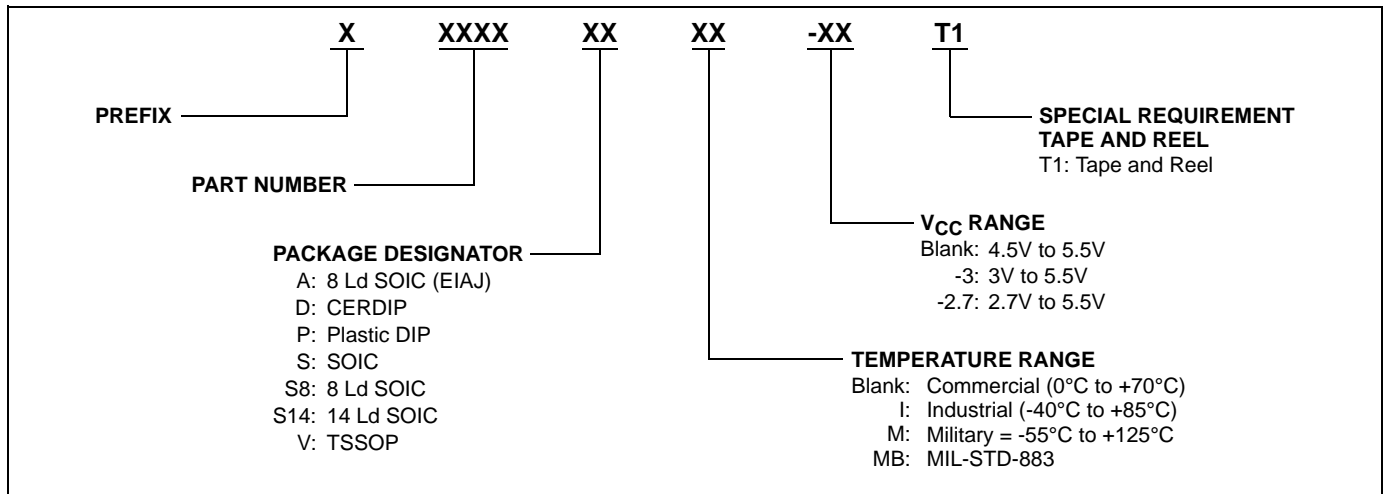
General Purpose Sensor Conditioners with Look-Up Table Memory



Parallel E²PROM



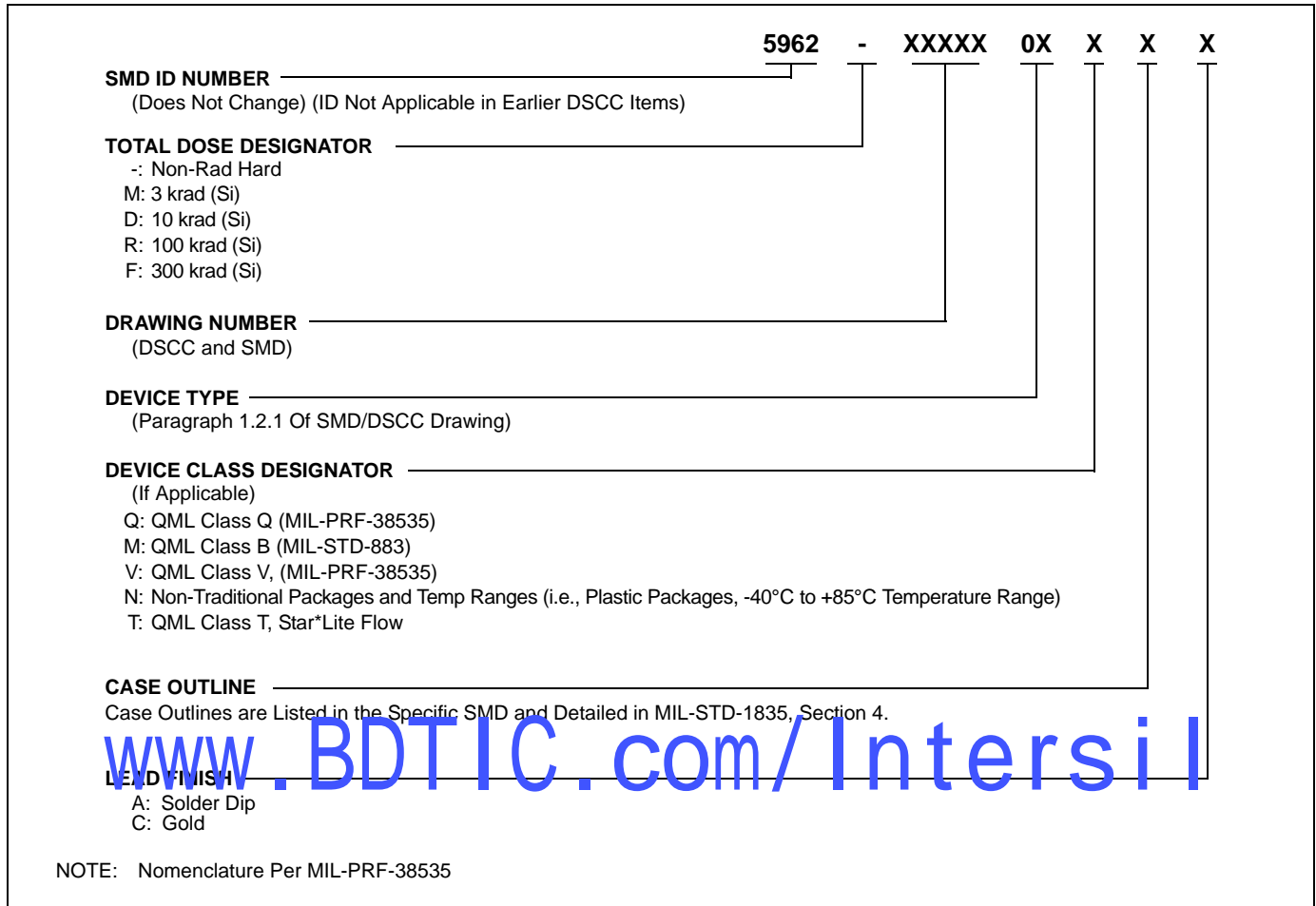
Serial E²PROM



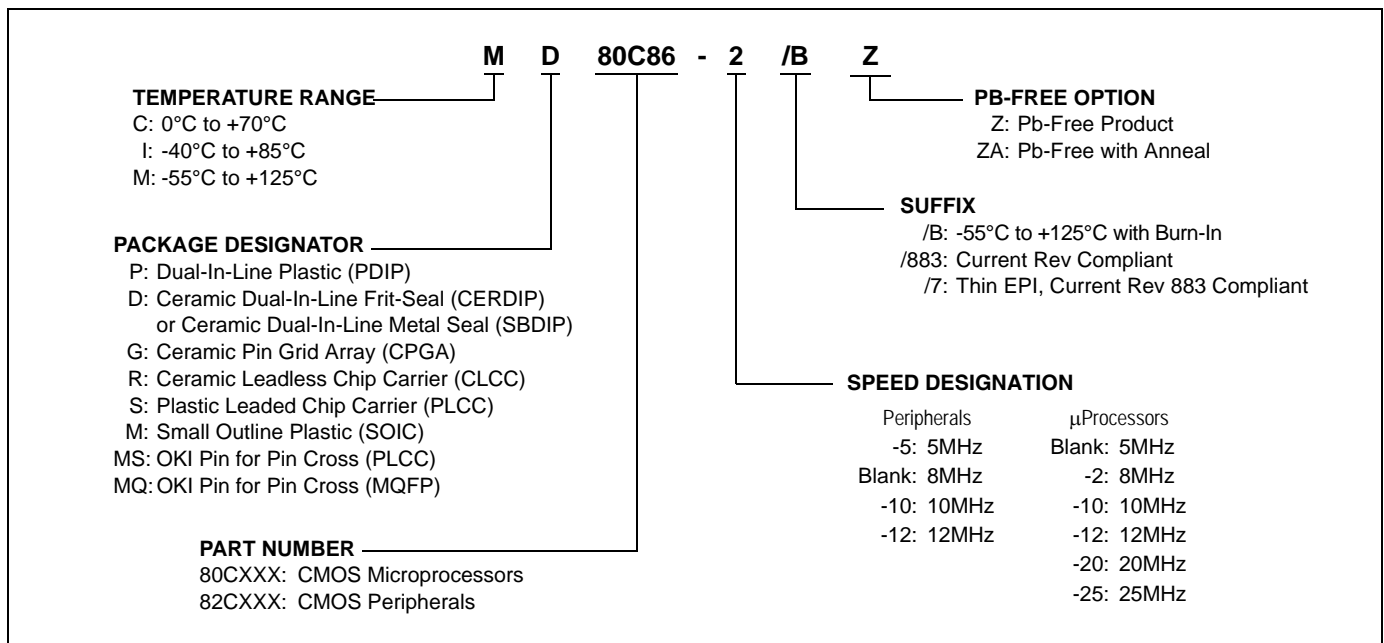
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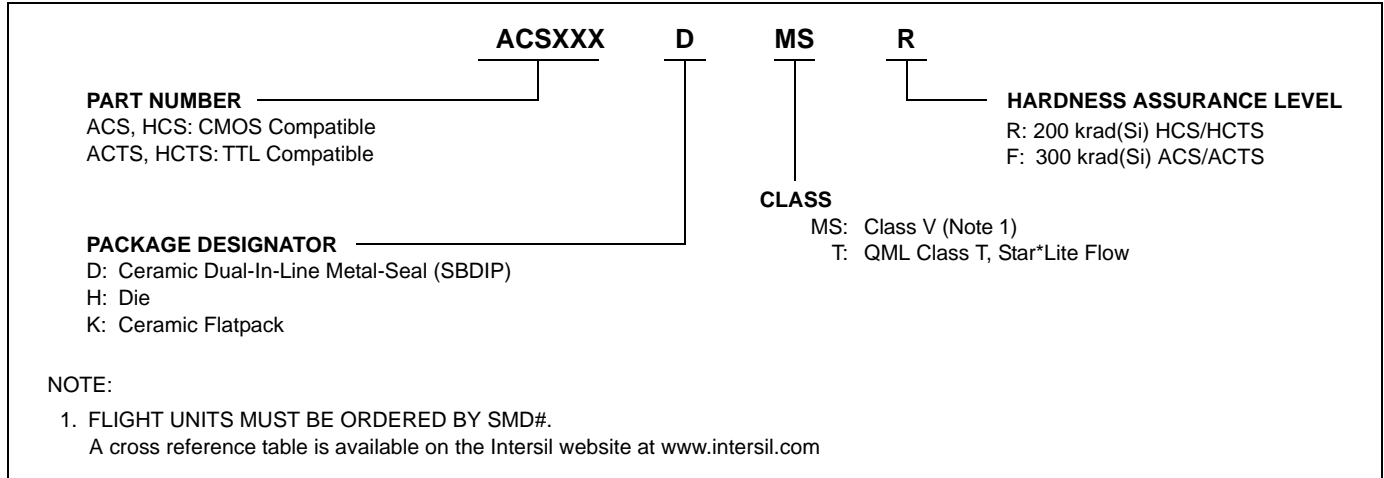
5962 SMD/DSCC - QML Types



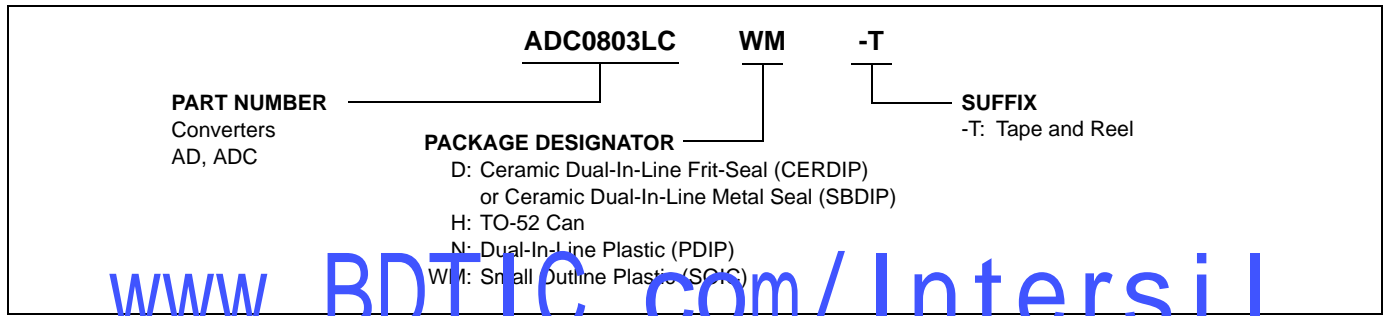
80C, 82CXXX Types



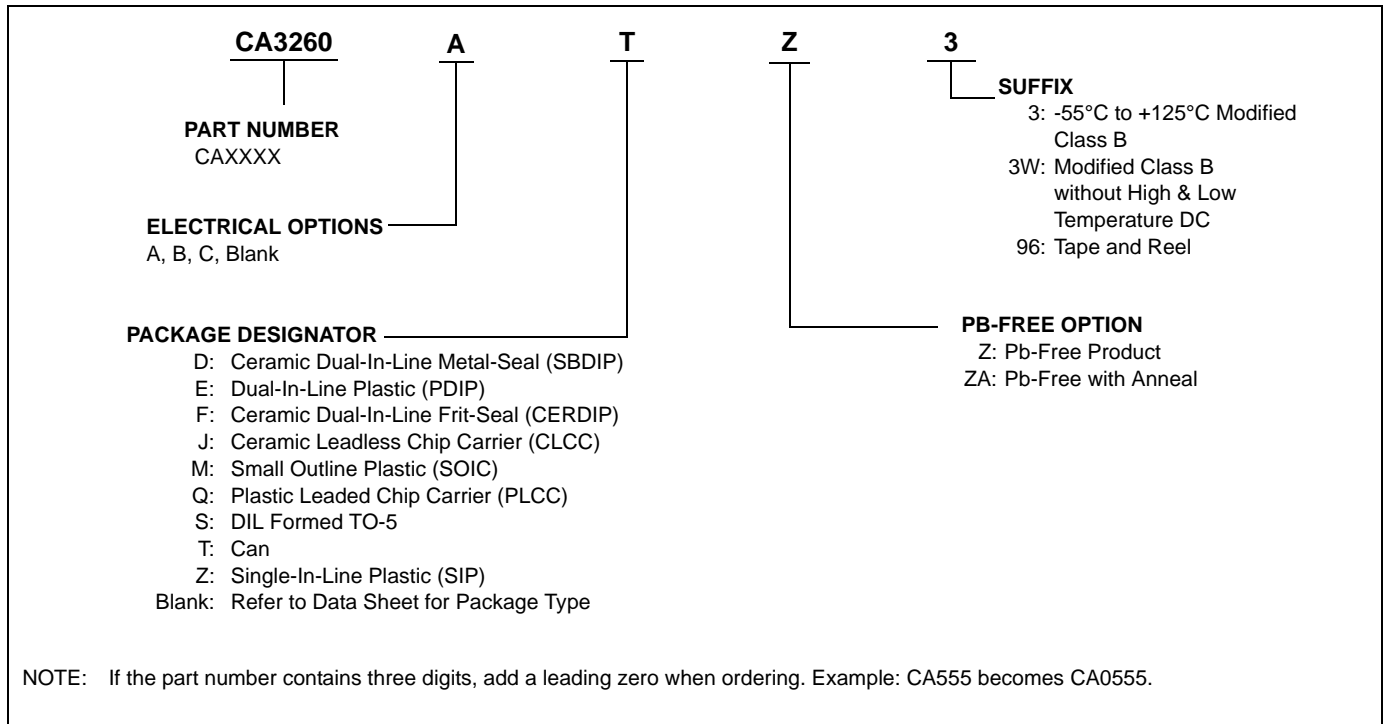
ACS, ACTS, HCS, HCTS Radiation Hardened Types



AD Types

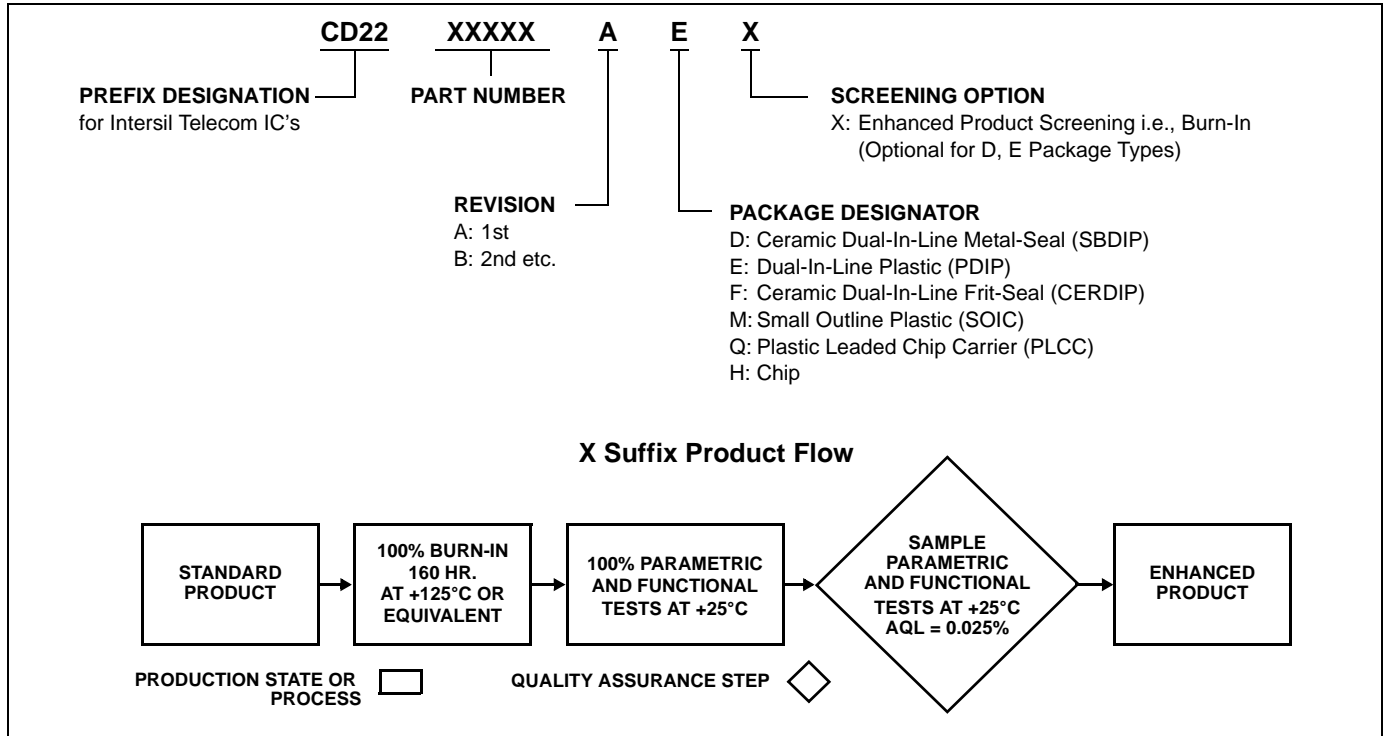


CA Types

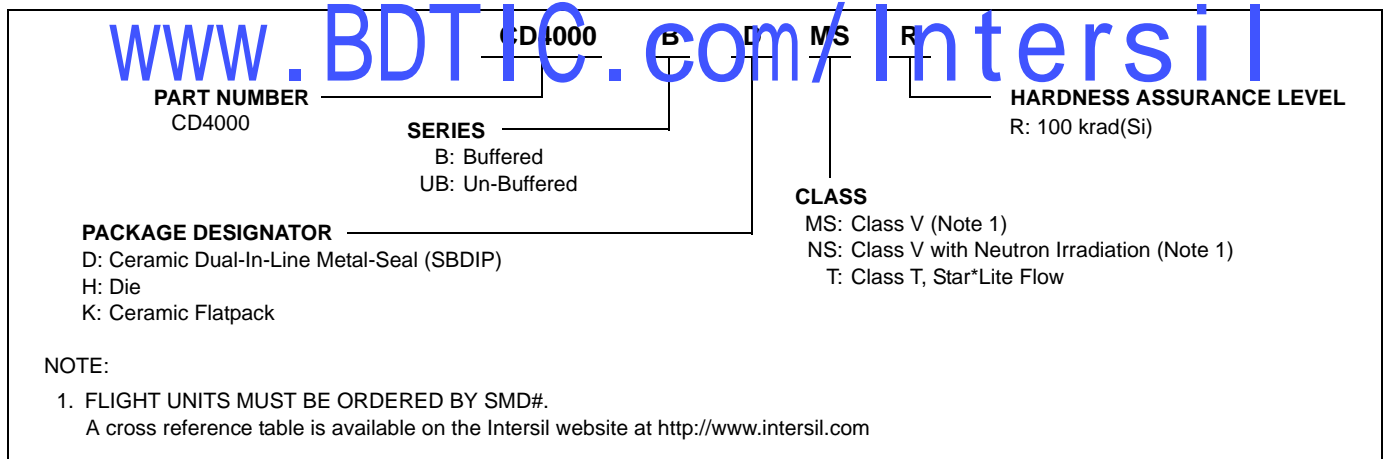


Nomenclature Guides

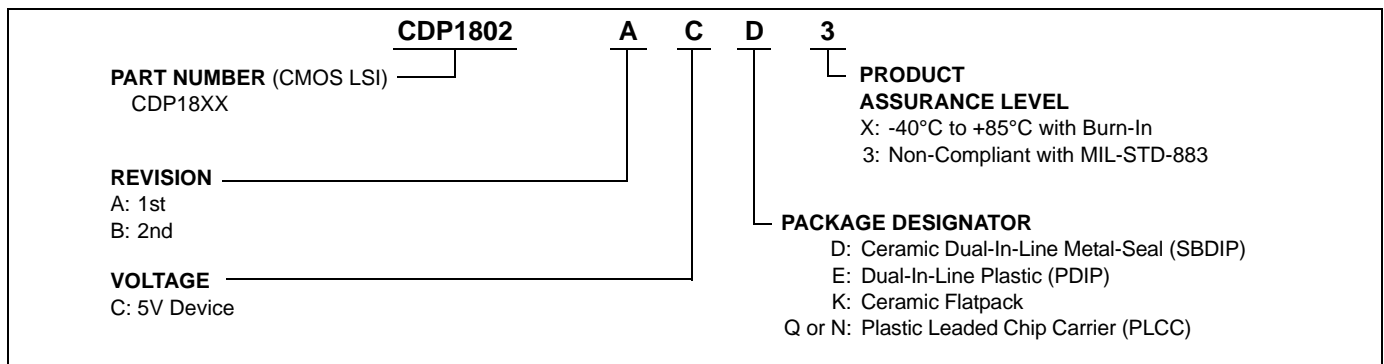
CD22XXX Types



CD4000 Radiation Hardened Types

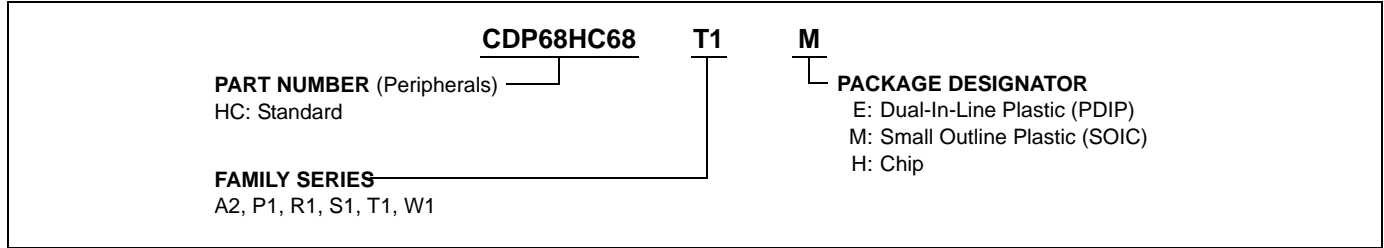


CDP Types

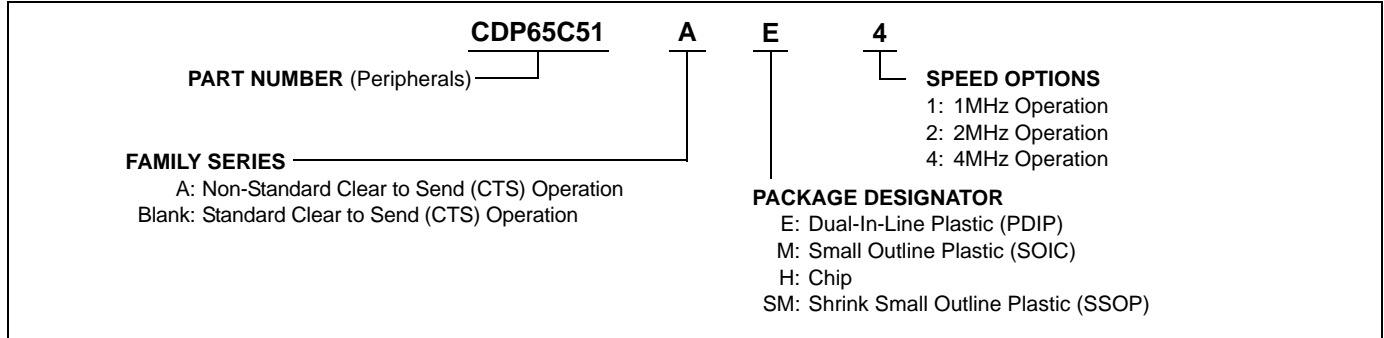


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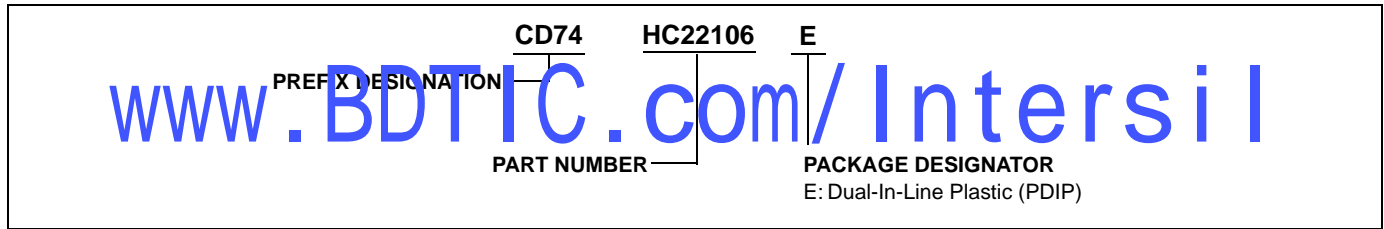
CDP68HC68 Types



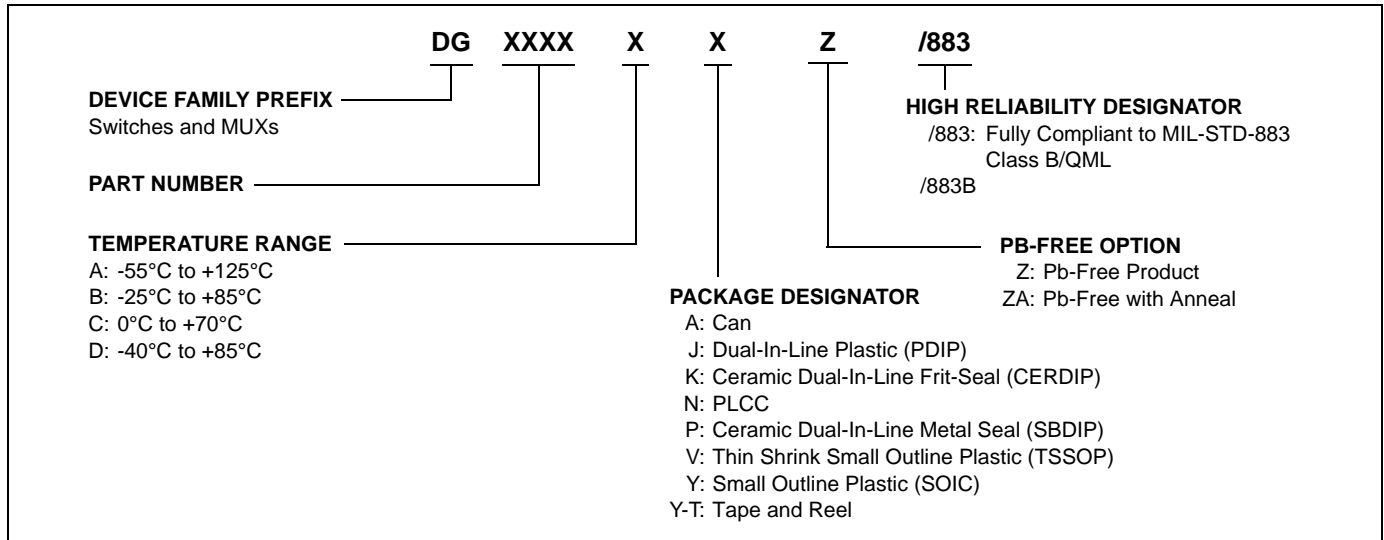
CDP65C51 Types



CD74HC Types

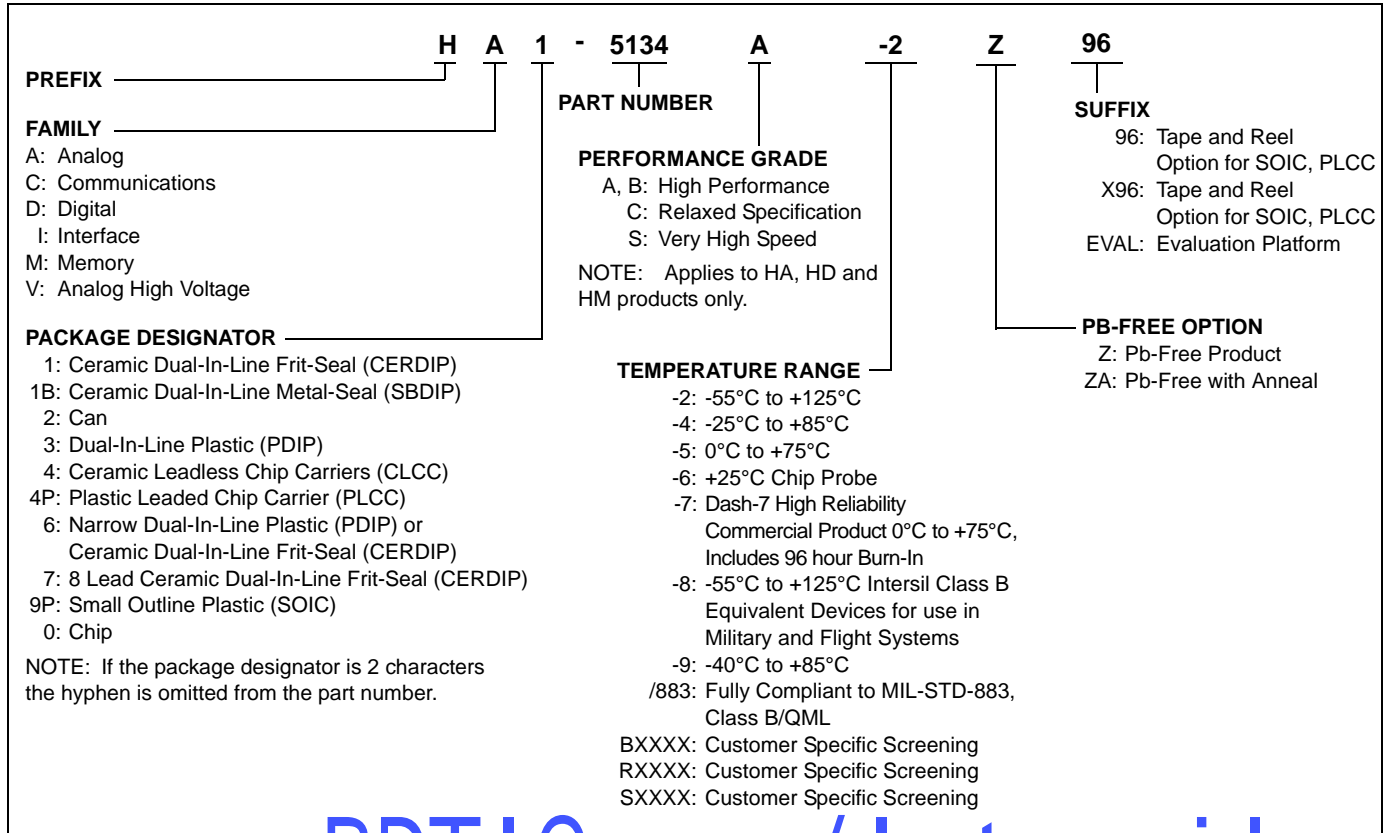


DG Types



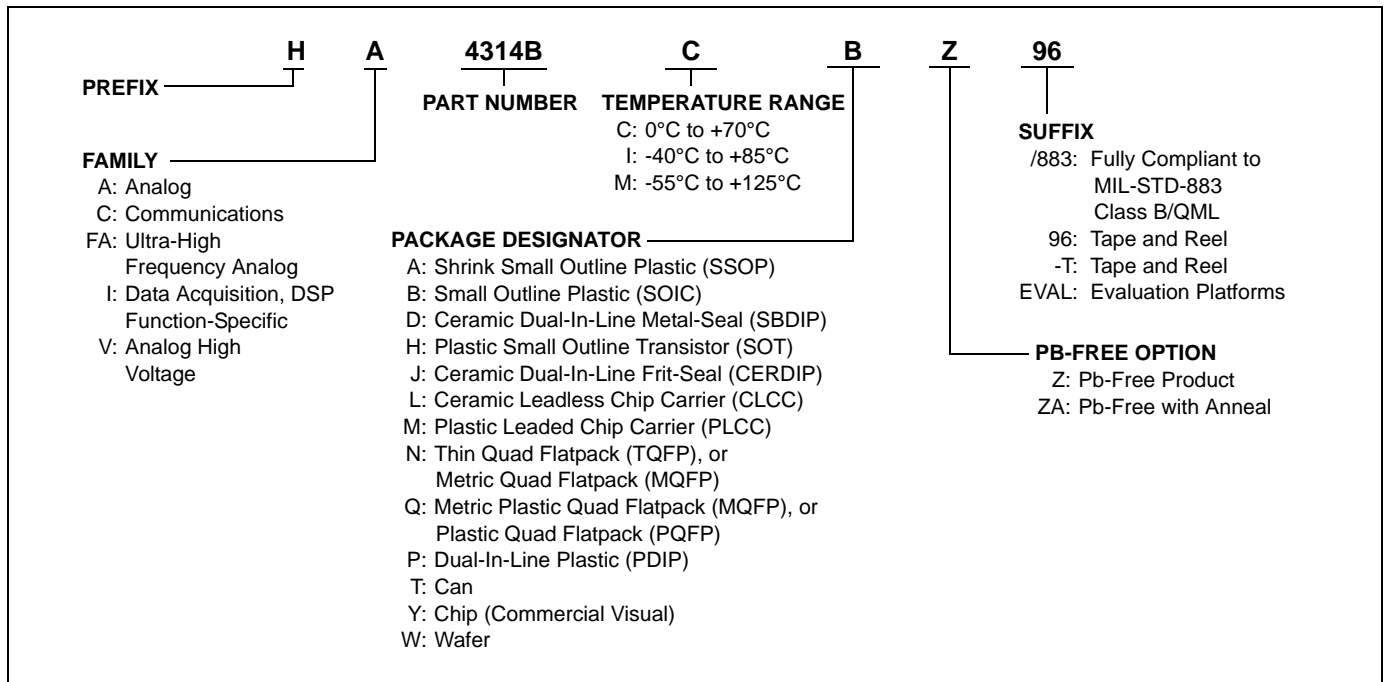
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HX Types



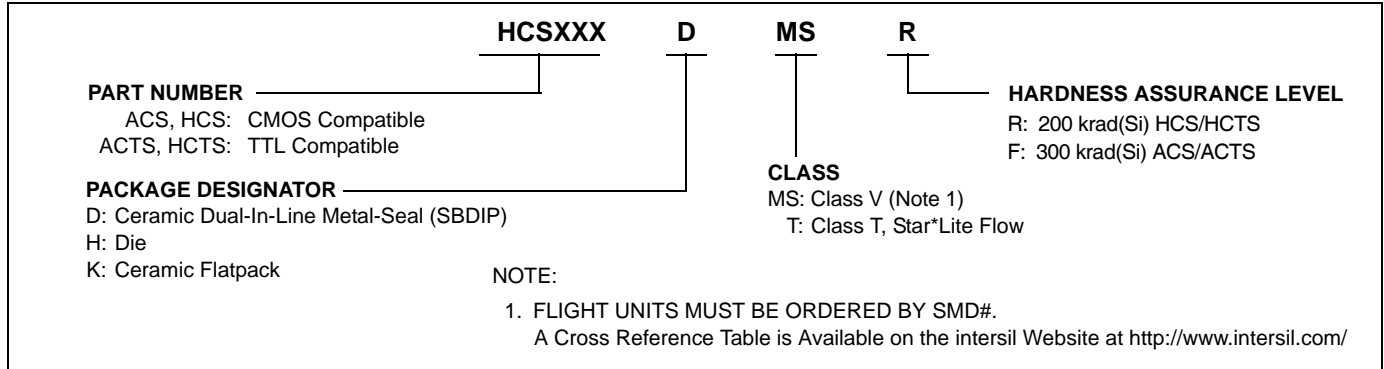
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HX, HXX Types

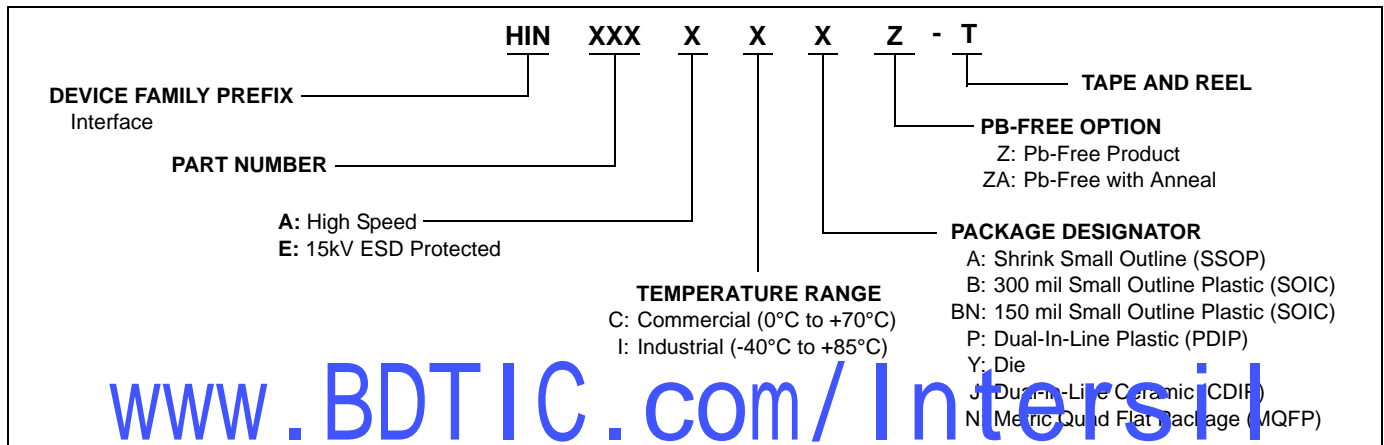


Nomenclature Guides

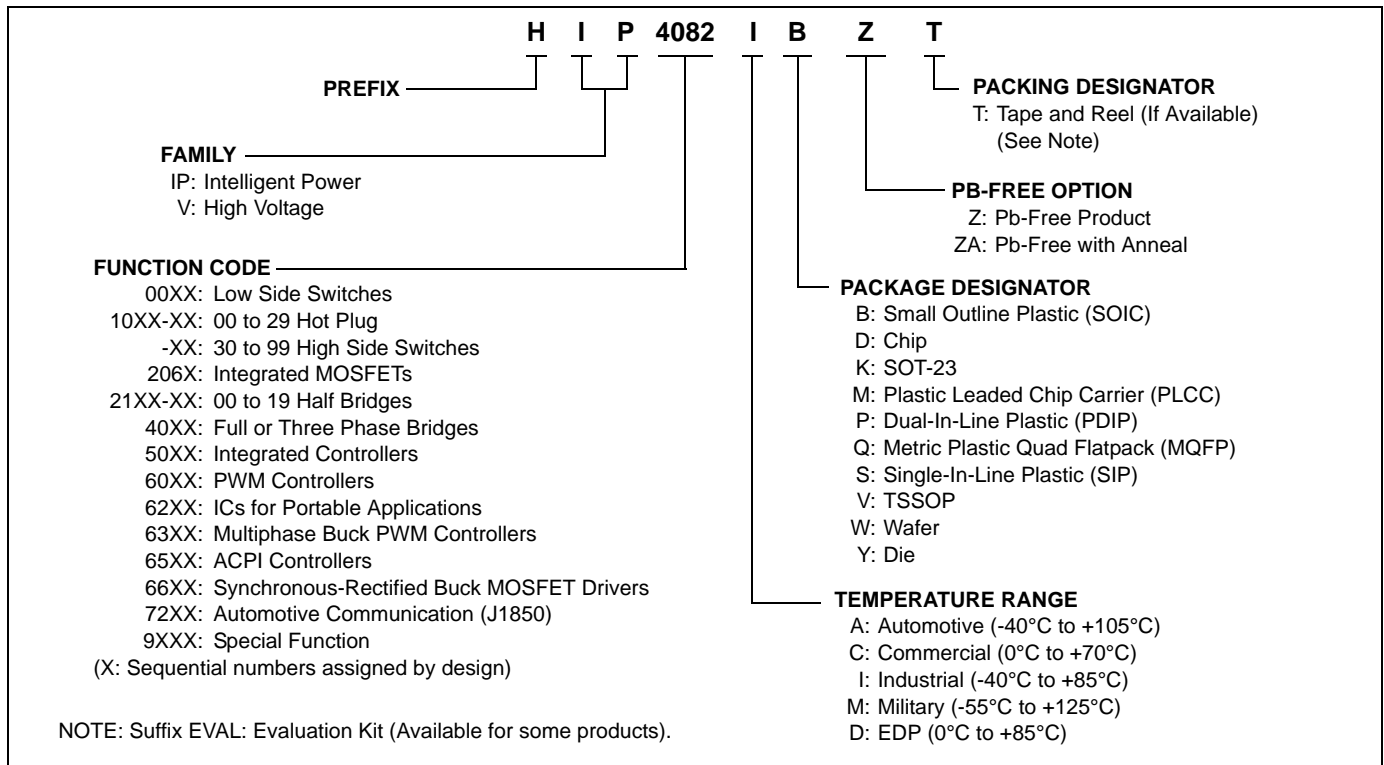
HCS, HCTS, ACS, ACTS, Radiation Hardened Types



HIN Types

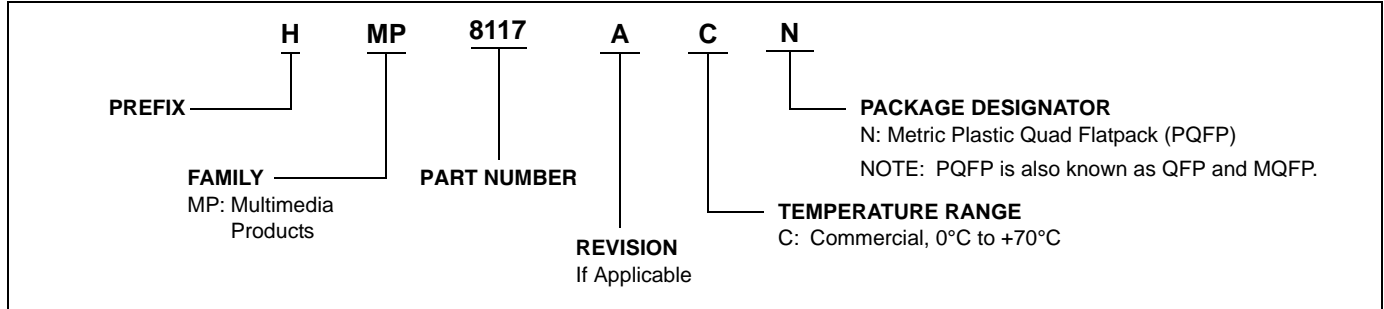


HIP Types

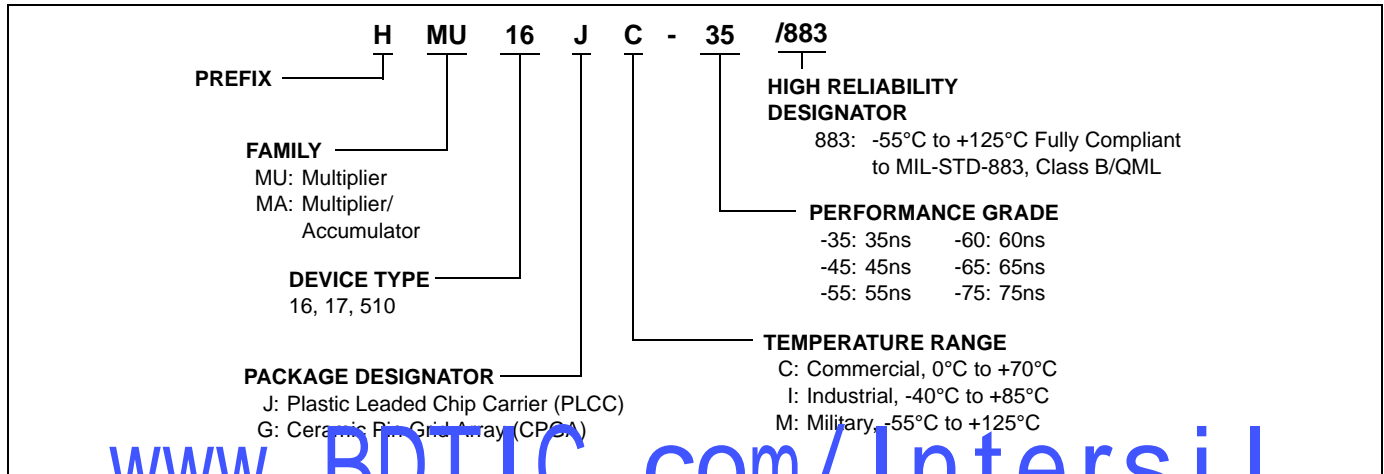


Nomenclature Guides

HMP Types

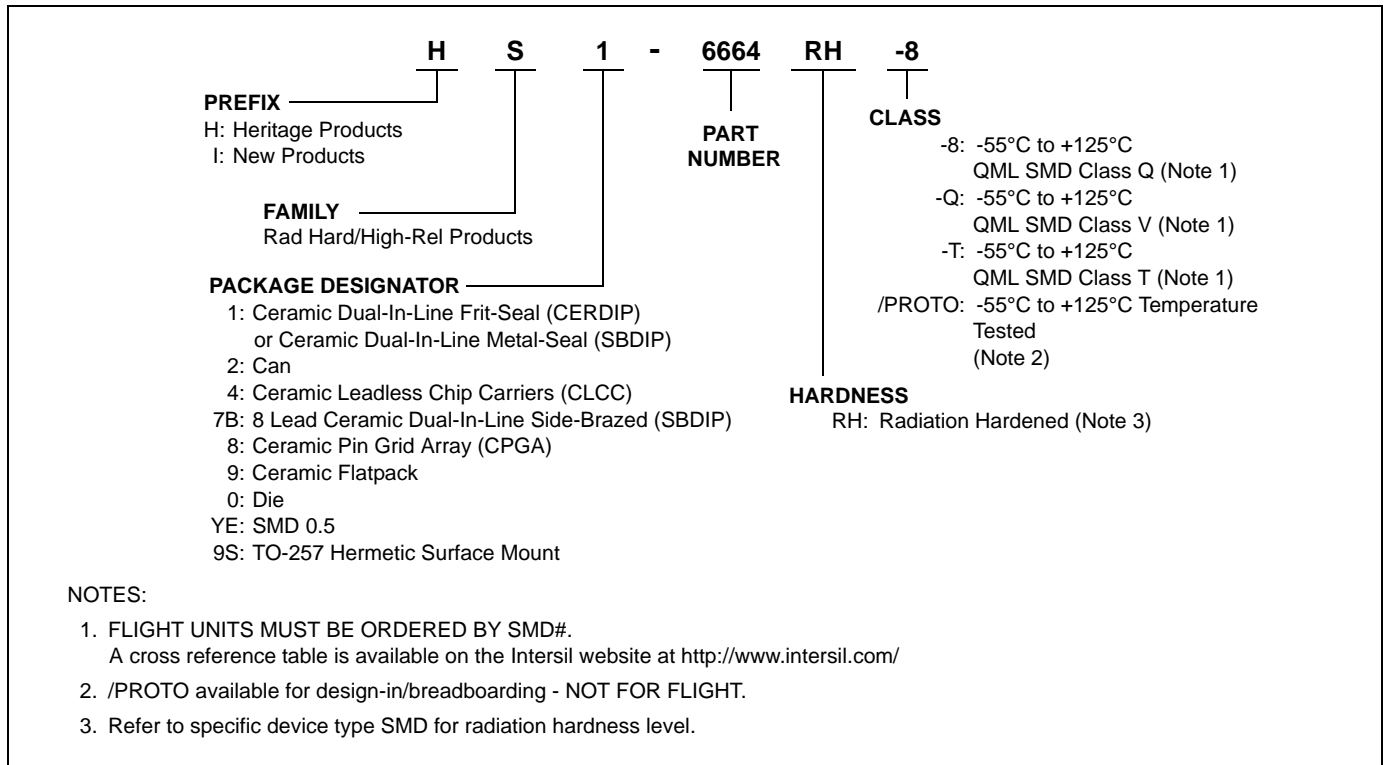


HMU/HMA Types



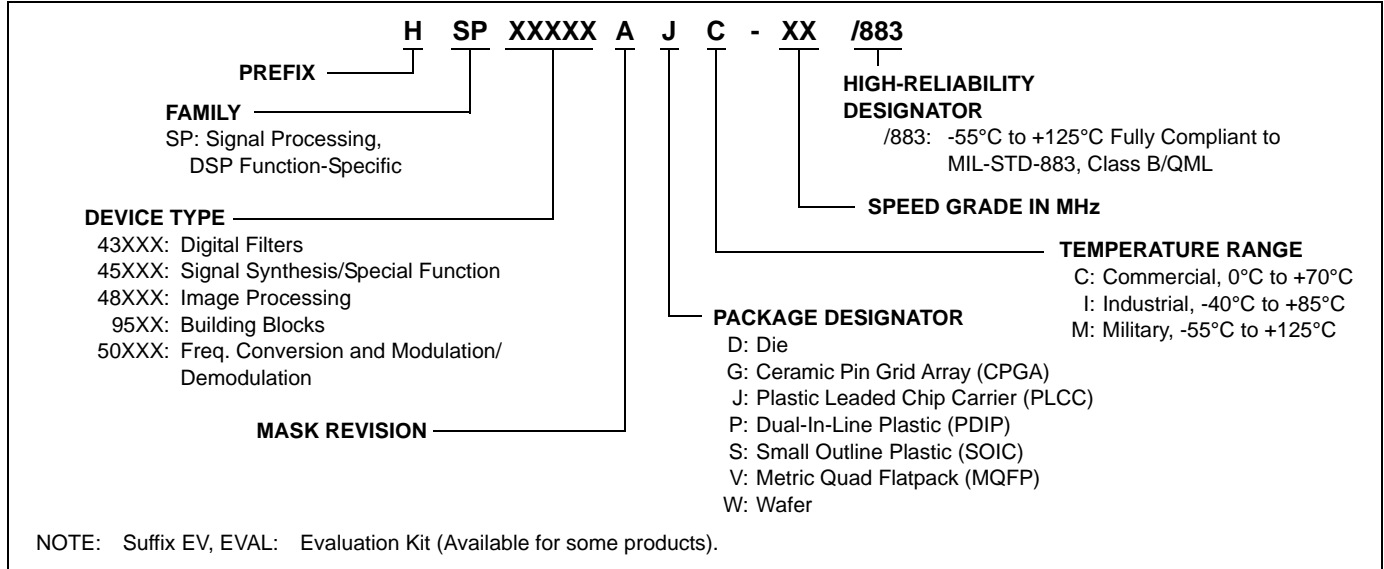
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HS/IS Radiation Hardened Types

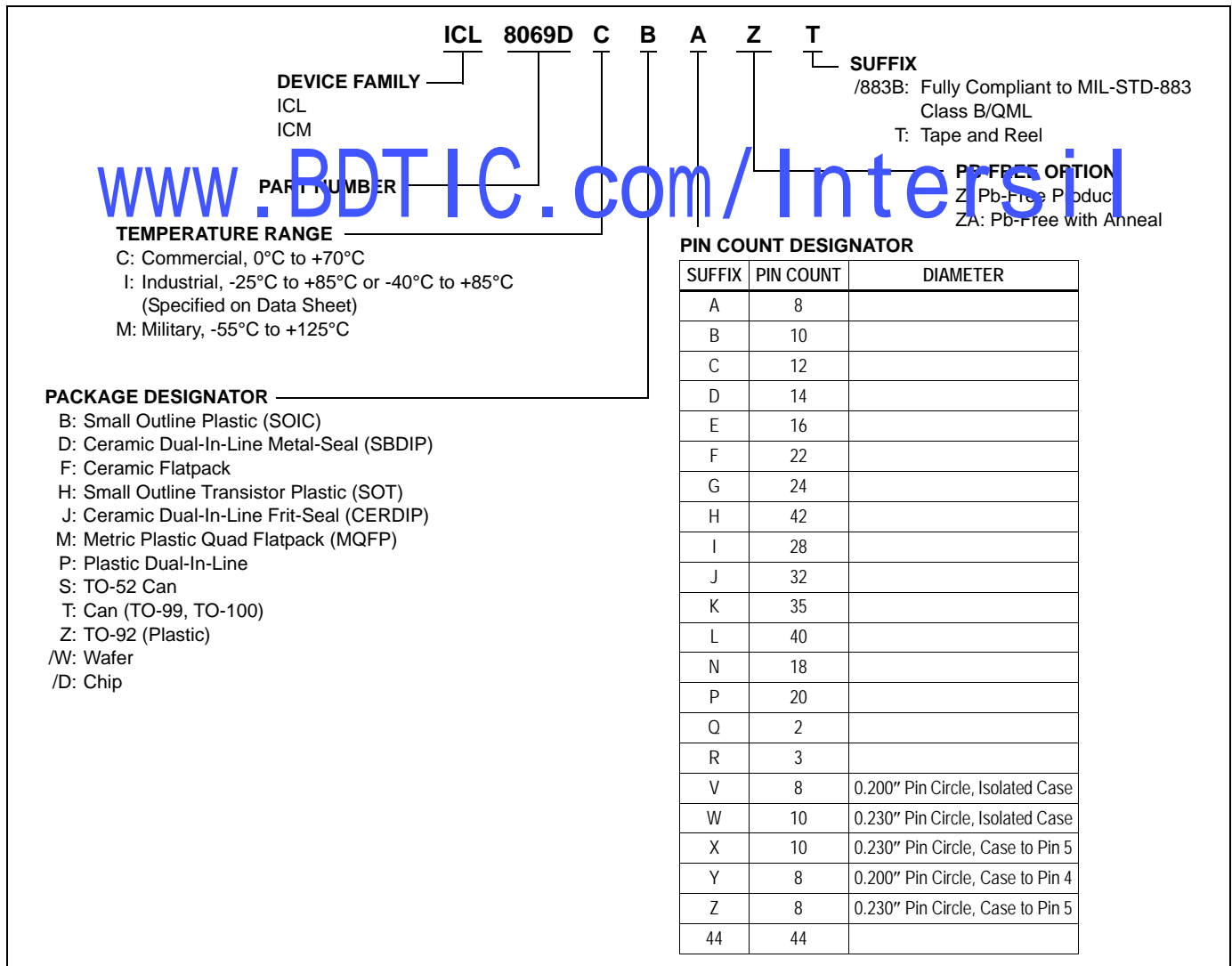


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HSP Types

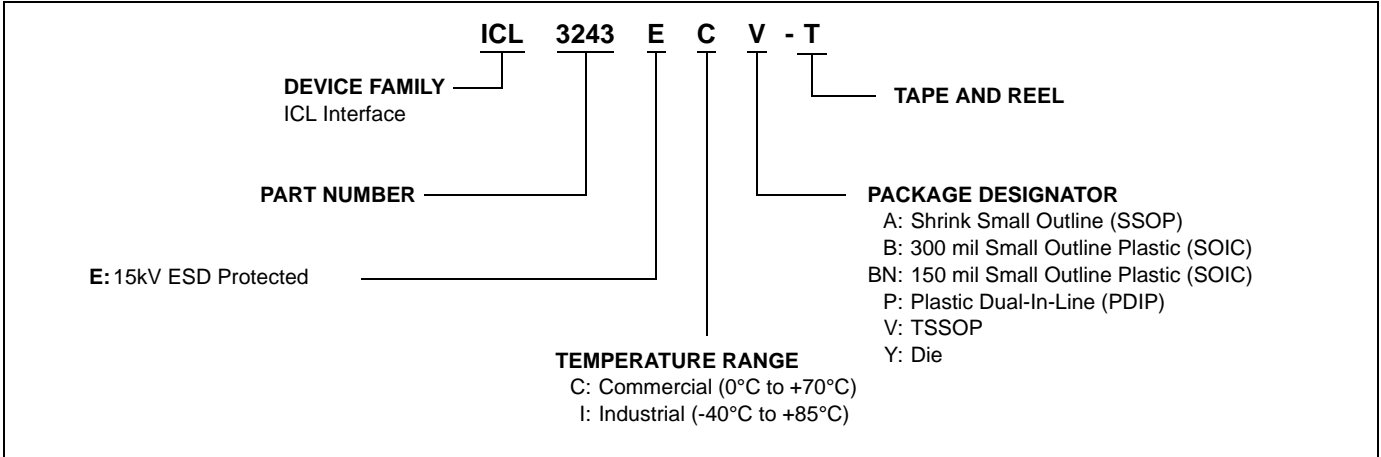


ICL, ICM Types



Nomenclature Guides

ICL Types (Interface Circuits)



JM JAN-QML Types

