



MIL/AERO PART NOMENCLATURE GUIDE

NSID: XXXX XXXX NNNNN AAA XXXX XXXXX

A. PREFIX/FAMILY

JD JAN DIGITAL
JL JAN LINEAR
JM JAN MOS

LOGIC

9xx DTL LOGIC
54xx MILITARY LOGIC
74xx COMMERCIAL LOGIC
93xx, 96xx MILITARY TTL LOGIC
100xxx F100K 300 SERIES ECL
CD4xxx CD4000 SERIES
CGS CLOCK GENERATED SUPPORT
DM DIGITAL MONOLITHIC
MM CMOS
NS SRAM
SCAN SCAN SYSTEM AND BOARD TEST

ANALOG

ADC ANALOG TO DIGITAL CONVERTER (DATA ACQUISITION)
CLC COMLINEAR FUNCTIONS
DAC DIGITAL TO ANALOG CONVERTER (DATA ACQUISITION)
LF LINEAR BIFET (AMP, BUFFER, COMPARATOR OR DATA ACQ)
LH LINEAR HYBRID (AMP, BUFFER, COMPARATOR OR VOLT REF)
LM LINEAR MONOLITHIC (ALL ANALOG FAMILIES)
LMC LINEAR CMOS (OP AMP)
LMD LINEAR MONOLITHIC DMOS (MOTOR CONTROL FOR DATA ACQ)
LMF LINEAR FILTER (SWITCHED CAP FILTER FOR DATA ACQ)
LMX PLL
LP LINEAR LOW POWER
LPC LINEAR LOW POWER CMOS (LOW POWER OP AMP)
OP 60 MICRO VOLT OP AMP

INTERFACE

DP INTERFACE MICROPROCESSOR PERIPHERALS
DS INTERFACE (TRANSMISSION DRIVERS/RECEIVERS)

OTHER

AR ARINC (AVIONICS)
COP CONTROL ORIENTED PROCESSOR
HPC HI PERFORMANCE CONTROLLER
NSC8 NSC 800 MICRO PROCESSOR

F. SUFFIX #2: 1-5 CHARACTERS

E. PACKAGE: 1-4 CHARACTERS

D. SUFFIX #1: 1-3 LETTERS

C. DEVICE: 2-5 NUMBERS

B. PROCESS: 1-4 CHARACTERS

A. FAMILY: 2-4 CHARACTERS

NOTE: EACH NSID CAN HAVE MORE THAN ONE PREFIX/FAMILY

B. INTERNAL PROCESS IDENTIFICATION CODE

FACT LOGIC

AC	FACT
ACT	FACT (TTL COMPATIBLE)
ACQ	FACT QUIET SERIES
ACTQ	FACT QUIET SERIES (TTL COMPATIBLE)
FCT	HI SPEED CMOS FACT

OTHER CMOS

ABT	ADVANCED BIPOLAR CMOS
C	CMOS
HC	HIGH SPEED CMOS
HCT	HIGH SPEED CMOS (TTL COMPATIBLE)

BIPOLAR

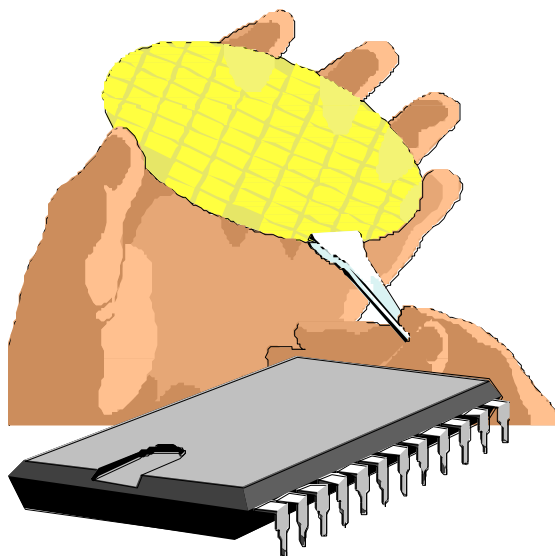
L	LOW POWER TTL
LS	LOW POWER SCHOTTKY
F	FAIRCHILD ADVANCED SCHOTTKY (FAST)

INTERFACE (DP/DS)

14,16,26,55,	RS-232, 422, 423 AND 485 DRIVERS & RECEIVERS
75,78,96	RS-232, 422, 423 AND 485 DRIVERS & RECEIVERS
90	LVDS

DATA ACQUISITION (ADC/DAC)

ADCnn...	nn = # OF BITS
DACnn...	nn = # OF BITS



C. DEVICE NUMBER

LOGIC (NOTE: 93, 96, F100K AND CD4K DO NOT FOLLOW THESE DEVICE #'S)

n0	NAND	GATE
02	NOR	GATE
03	NAND - OPEN COLLECTOR	GATE
04	HEX INVERTER	GATE
05, 06, 07, 17	HEX INVERTER/BUFFER - OPEN D/C	OPEN D/C
n1, 08, 15	AND	GATE
09, 16	AND - OPEN COLLECTOR	OPEN D/C
13, 14	SCHMITT TRIGGER	TRIGGER
32	OR	GATE
38	NAND BUFFER - OPEN COLLECTOR	OPEN D/C
42	BCD TO DECIMAL DEC	ARITHMETIC
64	AND/OR INVERT GATE	GATE
73	JK FLIP-FLOP	FLIP-FLOP
86	EXCLUSIVE OR	GATE
93, 19n	COUNTER	ARITHMETIC
95, 194, 195	SHIFT REGISTER	ARITHMETIC
109, 112	DUAL JK FLIP-FLOP	FLIP-FLOP
121, 122	MULTIVIBRATOR	ONE SHOT
125	QUAD BUFFER	BUFFER/TRANSC
132	NAND SCHMITT TRIGGER	TRIGGER
13n	DECODER/DEMULPLEXER	DECODE/ENCODE
164	SHIFT REGISTER	REGISTER
165	PARALLEL-TO-SERIAL CONVERTER	ARITHMETIC
16n	COUNTER	ARITHMETIC
181	ARITHMETIC LOGIC UNIT	ARITHMETIC
182	CARRY LOOKAHEAD GENERATOR	ARITHMETIC
189, 219	64-BIT RAM	
273, 82n	D FLIP FLOP	FLIP-FLOP
280	PARITY GENERATOR/CHECKER	SYSTEM TEST
283	FULL ADDER	ARITHMETIC
322, 323	OCTAL SHIFT REGISTER	REGISTER
365	HEX BUFFER	BUFFER/TRANSC
378, 379	D REGISTER	REGISTER
402		

D. NSC SUFFIX #1 (BEFORE PACKAGE CODE)

NOTE: EACH NSID CAN HAVE MORE THAN ONE SUFFIX

A, B, C, etc.	IMPROVED/REVISED DEVICE OR SPEED/PERFORMANCE GRADE
AD, ADJ	ADJUSTABLE OUTPUT VOLTAGE
C	COMMERCIAL TEMP RANGE
L	LOW CURRENT
HV	HIGH VOLTAGE
I	INDUSTRIAL TEMP RANGE
M	MILITARY TEMP RANGE

PRODUCT ASSURANCE DESIGNATORS

B,M,Q	CLASS B
S,V	CLASS S

E. PACKAGE CODE

NSC MIL/AERO

D	GLASS/METAL DIP
DM	CERAMIC DIP
E	LEADLESS CERAMIC CHIP CARRIER
EL	LEADED CERAMIC CHIP CARRIER
F	GLASS/METAL FLATPAK
FM	FLATPAK
G	12 LEAD TO-8 METAL CAN
H	MULTI-LEAD METAL CAN
J _n	LO-TEMP CERAMIC DIP (n = LEAD COUNT)
K	TO-3 METAL CAN IN STEEL/ALUMINUM
KSTEEL	TO-3 METAL CAN (STEEL)
L	CERAMIC LEADED CHIP CARRIER
LM	CERAMIC LEADLESS CHIP CARRIER
Q	CERAMIC DIP WITH UV WINDOW
U	PIN GRID ARRAY
W	LO-TEMP CERAMIC FLATPAK
WG	GULL WING CERAMIC SOIC
Y	CERAMIC LEADLESS CHIP CARRIER

KNOWN GOOD DIE PRODUCTS

MDC,MD8,MDCT,MD8T	OPTION 1: DC PROBE
MDS	OPTION 2: S-LEVEL DC PROBE WITH LAT
MDA,M3S,MWA,MDAT	OPTION 3: AC/DC PROBE AT WORST CASE TEMP
MDQ	OPTION 4: 100% DIE-LEVEL TEST @ TEMP & BURN-IN

F. NSC SUFFIX #2 (AFTER PACKAGE CODE)

NOTE: EACH NSID CAN HAVE MORE THAN ONE SUFFIX

Q	QML COMPLIANCY INDICATOR
QB	MIL-STD 883
-MIL	NON STD MIL GRADE
-n.n	VOLTAGE LEVEL
-QML	QUALIFIED MANUFACTURER'S LIST
-QMLV	QML FOR SPACE
-RH	RADIATION HARD
/883	MIL-STD-883

JAN/SMD LEAD FINISH SUFFIXES

A	SOLDER
B	TIN
C	GOLD
X	ANY FINISH



Here Today, Backed Tomorrow