

DEVICE PART-NUMBERING

ALLEGRO MICROSYSTEMS NEW PART NUMBERS

A 8958 S EA F-1

Instructions (optional; in the order listed).

- F = Active pull-down device (BiMOS only)
- 1 = (Any number except 883) Selected version, see detail specification
- BU = Burned-In parts to Double-Deuce program*
- MIL = Military grade, non-compliant, with screening to MIL-STD-883, Class B*
- 883 = Military grade, compliant with screening to MIL-STD-883, Class B*
- BS = Compliant, with screening to BS9493*
- TR = Tape and reel (surface-mount devices only)

Package Designation.

- A = Plastic, dual in-line
- B = Plastic, dual in-line semi-tab
- C = Unpackaged chip †
- CT = Unpackaged chip, tray-packed †
- CW = Probed wafer †
- EA = Plastic, leaded chip carrier, one semi-tab
- EB = Plastic, leaded chip carrier, two semi-tabs
- EK = Hermetic, leadless chip carrier
- EP = Plastic, leaded chip carrier
- H = Hermetic, metal-sealed co-fired ceramic dual in-line
- HH = Hermetic, ceramic, 3-lead single in-line (TO-260AA)
- K = Plastic, 4-lead mini-SIP
- KA = Plastic, 5-lead mini-SIP
- L = Plastic, SOIC
- LB = Plastic, wide-body SOIC power tab
- LL = Plastic, SOT-89, long-lead version
- LT = Plastic SOT-89/TO-243AA
- LW = Plastic, wide-body SOIC
- M = Plastic, 8-pin mini-DIP
- R = Hermetic, glass-sealed ceramic dual in-line
- T = Plastic, 3-lead mini-SIP
- U = Plastic, 3-lead thin mini-SIP
- UA = Plastic, short 3-lead thin mini-SIP
- V = Hermetic, 15-pin metal flange mount (MO-097AA)
- W = Plastic, 12-lead single in-line power tab
- X = Special
- Z = Plastic, 5-lead single in-line power tab (TO-220)
- ZH = Z Package with formed leads for horizontal mount
- ZV = Z Package with formed leads for vertical mount

Operating Temperature Range.

- C = Commercial (0°C to +70°C)
- S = Standard (-20°C to +85°C)
- E = Extended automotive/industrial (-40°C to +85°C)
- K = Industrial/military (-40°C to +125°C)
- L = Automotive/military (-40°C to +150°C)
- M = Military (-55°C to +125°C)
- X = Special (i.e., wafer probe at +25°C only)

Device Type (four digits).

Allegro MicroSystems Identifier.

* Instruction suffix 'BU' available only with temperature codes 'S', 'E', 'K', or 'L'; suffixes 'MIL' or '883' available only with temperature code 'M'; suffix 'BS' available only through European sales office.

† Discrete and integrated circuit chips are described in Brochure CN-193.

DEVICE PART-NUMBERING

ORIGINAL SPRAGUE SEMICONDUCTOR GROUP PART NUMBERS

UC N 5810 A F-1

— **Instructions** (optional; in the order listed).

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- V = Hermetic, 15-pin metal flange mount (MO-097AA)
- W = Plastic, 12-lead single in-line power tab
- X = Special
- Z = Plastic, 5-lead single in-line power tab (TO-220)
- ZH = Z Package with formed leads for horizontal mount
- ZV = Z Package with formed leads for vertical mount

— **Device Type** (four digits).

— **Operating Temperature Range.**

- N = Commercial/industrial
- Q = Extended automotive/industrial
- S = Military

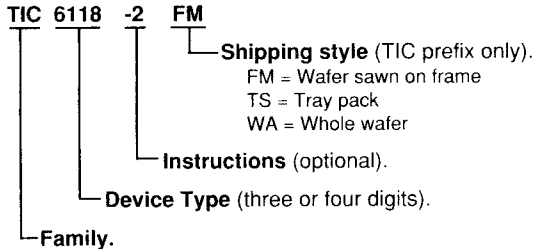
— **Family** (UC, UD, UG, UL, or UM).

* Instruction suffix 'BU' available only with temperature codes 'N' or 'Q'; suffixes 'MIL' or '883' available only with temperature code 'S'; suffix 'BS' available only through European sales office.

† Discrete and integrated circuit chips are described in Brochure CN-193.

DEVICE PART-NUMBERING

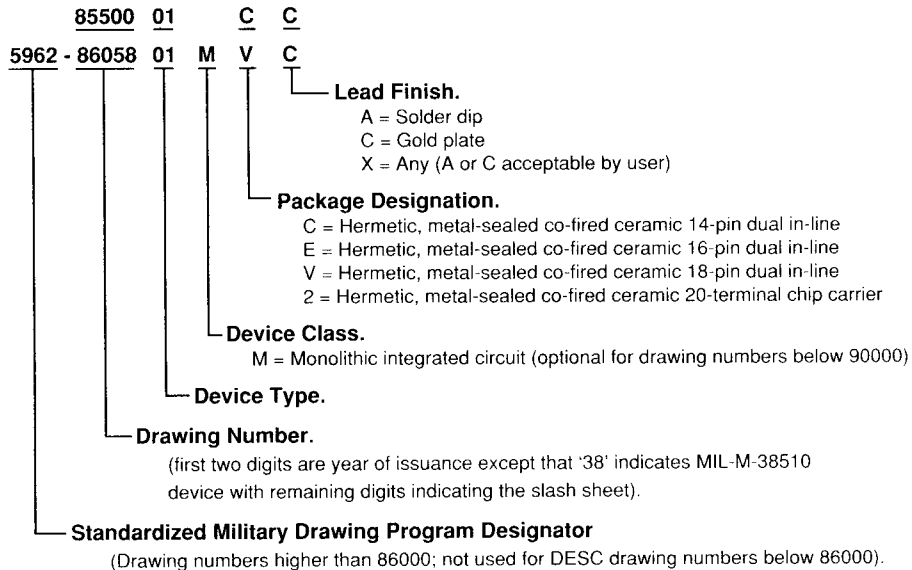
ORIGINAL SPRAGUE SEMICONDUCTOR GROUP PART NUMBERS



- BA- = Pro-Electron registered diode
- BC- = Pro-Electron registered diode
- BZ- = Pro-Electron registered Zener diode
- TH-* = Unpackaged discrete device chip †
- TIC = Integrated circuit chip or probed wafer †
- TMP-* = SOT-23/TO-236AB packaged discrete device
- TND = Diode array
- TP = Bipolar transistor in TO-92/TO-226AA/AB
- TPP = Darlington array
- TPQ = Quad transistor array
- 2N = JEDEC registered transistor

* D = diode T = transistor † Discrete and integrated circuit chips are described in Brochure CN-193.
 F = JFET Z = Zener

MILITARY PART NUMBERS



All possible combinations of device type, operating temperature range, and package style are not necessarily available. Consult individual device specification or sales office for complete information.

GENERAL INFORMATION

ORDERING INFORMATION

To place an order, obtain price and delivery information, or to request technical literature, contact your local Allegro sales office or sales representative. See back of book, or:

From United States
and Canada

Allegro MicroSystems, Inc.
115 Northeast Cutoff
Box 15036
Worcester, MA 01615
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Fax: (508) 853-5049

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and Mideast

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Parangue, Metro Manila 1700
PHILIPPINES
Tel: (63-2) 828-9026
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TECHNICAL ASSISTANCE

Requests for additional technical information or applications assistance should be referred to your local Allegro sales office or sales representative. See back of book, or:

For Integrated Circuits

Allegro MicroSystems, Inc.
115 Northeast Cutoff
Box 15036
Worcester, MA 01615
Tel: (508) 853-5000
Fax: (508) 853-5049

For Sensors
and Discrete Devices

Allegro MicroSystems, Inc.
53 Regional Drive
Concord, NH 03301
Tel: (603) 228-5533
Fax: (603) 224-2466

INTEGRATED CIRCUITS AND TRANSISTOR ARRAYS

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* Complete part number includes additional characters to indicate operating temperature range and package style.
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* Complete part number includes additional characters to indicate operating temperature range and package style. See detailed specification.

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* Complete part number includes additional characters to indicate operating temperature range and package style. See detailed specification.

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See detailed specification.

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See detailed specification.