AccessionIndex: TCD-SCSS-V.20230709.001
Accession Date: 9-Jul-2023
Accession By: Dr.Brian Coghlan
Object name: National Semiconductor datasheets
Vintage: c.198x
Synopsis: Datasheets for integrated circuits and other devices manufactured by National Semiconductor.

Description:
National Semiconductor, with headquarters in Santa Clara, California, was founded in 1959 by ex-employees of Sperry-Rand (at that time the owner of *Univac*, as well as the *ENIAC* patents). In 1965 two ex-employees of Fairchild Semiconductor, Robert Widlar and Dave Talbert, both experts in linear semiconductor technologies, joined *'NatSemi'*, enabling it to become a leading manufacturer in that segment of the market. In 1967 five more senior executives joined from Fairchild, including Charles E. Sporck who became NatSemi's high-profile CEO. It became a major manufacturer of both linear, digital and hybrid integrated circuits throughout the 1970s onwards, but languished in the 2000s, and on 23rd of September, 2011, was taken over by Texas Instruments and renamed its 'Silicon Valley' division.

These items are loose datasheets, see elsewhere in this catalog for National Semiconductor databooks.

The homepage for this catalog is at: https://www.scss.tcd.ie/SCSSTreasuresCatalog/
Click *'Accession Index'* (1st column listed) for related folder, or *'About'* for further guidance.
Some of the items below may be more properly part of other categories of this catalog, but are listed here for convenience.

Accession Index	Vintage	Object and Identification
TCD-SCSS-V.20230709.001.01	1986	LM621 Brushless Motor Commutator IC, National Semiconductor TL/H/8679 RRD-B20M46, USA, Apr-1986.
TCD-SCSS-V.20230709.001.02	1986	LM621 Brushless Motor Commutator IC, National Semiconductor TL/H/8679 RRD-B20M46, USA, Apr-1986.
TCD-SCSS-V.20230709.001.03	1986	NMC27C256 32k x 8 UV Erasable CMOS EPROM, National Semiconductor TL/D/7512 RRD-B20M16, USA, Jan-1986.
TCD-SCSS-V.20230709.001.04	1986	LH101/LH101C, LH101A/LH101AC Power Operational Amplifier, National Semiconductor TL/K/5558 RRD-B20M76, USA, Jul-1986.
TCD-SCSS-V.20230709.001.05	1982	Op Amp Selection Guide, National Semiconductor TL/K/5558 RRD-B20M76, USA, 14-May-1982, with attached extract from *Electron* magazine of 27-Sep-1973 discussing National Semiconductor hybrid devices, and attached article (by Helmut Gutgessel of National Semiconductor) from *Electronics Industry* magazine of October-1982, pp.35-37, discussing National Semiconductor hybrid current amplifiers.
TCD-SCSS-V.20230709.001.06	1985	LM675 Power Operational Amplifier, National Semiconductor TL/H/6739 RRD-B30M105, USA, Oct-1985.

TCD-SCSS-V.20230709.001.07	1985	TP3110/TP3112/TP3120/TP3122 Digital Line Interface Controllers (DLIC), National Semiconductor TL/H/6699 RRD-B20M125, USA, Dec-1985.
TCD-SCSS-V.20230709.001.08	1986	LM1042 Fluid Level Detector, National Semiconductor TL/H/8709 RRD-B20M86, USA, Aug-1986.
TCD-SCSS-V.20230709.001.09	1986	TP3064/TP3067 Monolithic Serial Interface CMOS CODEC/FILTER COMBO, National Semiconductor TL/H/5070 RRD-B20M26, USA, Feb-1986.
TCD-SCSS-V.20230709.001.10	1986	TP5700A Telephone Speech Circuit, National Semiconductor TL/H/5201 RRD-B20M16, USA, Jan-1986.
TCD-SCSS-V.20230709.001.11	1985	TP3155 Time Slot Assignment Circuit, National Semiconductor TL/H/5118 RRD-B20M125, USA, Dec-1985.
TCD-SCSS-V.20230709.001.12	1982	MF10 Universal Monolithic Dual Switched Capacitor Filter, National Semiconductor XH/281 IM-B15M42, USA, Apr-1982.
TCD-SCSS-V.20230709.001.13	1982	Introducing the MF10: A Versatile Monolithic Active Filter Building Block, National Semiconductor TL/H/5035 IM-B25M82, USA, Aug-1982.
TCD-SCSS-V.20230709.001.14	1983	MF4 4th Order Switched Capacitor Butterworth Lowpass Filter, National Semiconductor TL/H/5064 IM-B30M73, USA, Jul-1983.
TCD-SCSS-V.20230709.001.15	1983	MF5 Universal Monolithic Switched Capacitor Filter, National Semiconductor L-MD10M983, Germany, Apr-1983.
TCD-SCSS-V.20230709.001.16	1983	MF6 6th Order Switched Capacitor Butterworth Lowpass Filter, National Semiconductor TL/H/5065 IM-B30M73, USA, Jul-1983.
TCD-SCSS-V.20230709.001.17	1983	LF13006, LF13007 Digital Gain Set, National Semiconductor TL/H/5114 IM-B30M73, USA, Jul-1983.
TCD-SCSS-V.20230709.001.18	1979	LM1886 TV Video Matrix D to A, National Semiconductor IM-B25M128, USA, Dec-1979.
TCD-SCSS-V.20230709.001.19	1976	LM1889 TV Video Modulator, National Semiconductor IM-B20M126, USA, Dec-1976.
TCD-SCSS-V.20230709.001.20	1980	LF411A/LF411 Low Offset, Low Drift JFET Input Operational Amplifier, National Semiconductor IM-FL25M120, USA, Dec-1980.
TCD-SCSS-V.20230709.001.21	1980	LF412A/LF412 Low Offset, Low Drift Dual JFET Input Operational Amplifier, National Semiconductor IM-FL25M120, USA, Dec-1980.
TCD-SCSS-V.20230709.001.22	1980	LF441A/LF441 Low Power JFET Input Operational Amplifier, National Semiconductor IM-FL25M120, USA, Dec-1980.
TCD-SCSS-V.20230709.001.23	1976	LM117/LM217/LM317 3-terminal Adjustable Regulator, National Semiconductor B15M26, USA, Feb-1976.
TCD-SCSS-V.20230709.001.24	1979	LM138/LM238/LM338 5 Amp Adjustable Power Regulators, National Semiconductor, W.Germany, Apr-1979.
TCD-SCSS-V.20230709.001.25	1978	DAC1020 10-bit Binary Multiplying D/A Converter, DAC1220 10-bit Binary Multiplying D/A Converter, National Semiconductor IM-B25M88, USA, Aug-1978.
TCD-SCSS-V.20230709.001.26	1980	ADC0816/ADC0817 Single Chip Data Acquisition System, National Semiconductor IM-B20M97, USA, c.1980.
TCD-SCSS-V.20230709.001.27	1975	LM3909 LED Flasher/Oscillator, National Semiconductor, Jan-1975.

TCD-SCSS-V.20230709.001.28	1977	LH0094 Multifunction Converter, National Semiconductor IM-B20M117, USA, Nov-1977.
TCD-SCSS-V.20230709.001.29	1976	MM4357/MM5357 8-bit A/D Converter, National Semiconductor B-33, Preliminary Data, Mar-1976.
TCD-SCSS-V.20230709.001.30	1976	LM129, LM329 Precision Reference, National Semiconductor IM-B20M46, USA, Apr-1976.
TCD-SCSS-V.20230709.001.31	1979	INS8070-Series Microprocessor Family, National Semiconductor 01-02-1980 AWi, Apr-1979.
TCD-SCSS-V.20230709.001.32	1977	MM57109 MOS/LSI Number-Oriented Micrprocessor, National Semiconductor IM-B50M37, USA, Mar-1977.
TCD-SCSS-V.20230709.001.33	1977	ADD3500/ADD3501 (MM74C935/MM74C935-1) 3½ digit DVM with Multiplexed 7-segment Output, National Semiconductor DA 82DM57, USA, Jun-1977.
TCD-SCSS-V.20230709.001.34	1975	MA1001 LED Display Digital Electronic Clock Module, National Semiconductor B6M105, Germany, Dec-1975.
TCD-SCSS-V.20230709.001.35	1979	DS8906 AM/FM Digital Phase-Locked Loop Synthesizer, National Semiconductor IM-SFR25M109, USA, 1979.
TCD-SCSS-V.20230709.001.36	1980	DS8907 AM/FM Digital Phase-Locked Loop Synthesizer, National Semiconductor IM-SFR25M10, USA, 1980.
TCD-SCSS-V.20230709.001.37	1980	INS8073 NSC Tiny BASIC Microinterpreter, National Semiconductor uPG-FL10M21, USA, 1980.
TCD-SCSS-V.20230709.001.38	1991	DP8430V/31V/32V-33 microCMOS Programmable 256k/1M/4M Dynamic RAM Controller/Drivers, National Semiconductor TL/F/11118 RRD-B20M121, USA, Jul-1991.
TCD-SCSS-V.20230709.001.39	1977	ADD3500/ADD3501 (MM74C935/MM74C935-1) 3½ digit DVM with multiplexed 7-segment output, National Semiconductor DA-B20M57, USA, Jun-1977.
TCD-SCSS-V.20230709.001.40	1977	DM8678 bipolar character generator, National Semiconductor IM-B20M47, USA, Apr-1977.
TCD-SCSS-V.20230709.001.41	1984	DP8391 Serial Network Interface, National Semiconductor, PRELIMINARY 2-Jun-1984.
TCD-SCSS-V.20230709.001.42	1984	DP8392 Coaxial Transceiver Interface, National Semiconductor, PRELIMINARY Feb-1984.
TCD-SCSS-V.20230709.001.43	1983	Article “IC controls text-and-graphics terminal” about National Semiconductor NS456 from *Electronics* magazine of 22-Sep-1983, pp.209-210,
TCD-SCSS-V.20230709.001.44	1982	DP8408 Multi-Mode Dynamic RAM Controller/Driver, National Semiconductor B-F-2086 DA-B25M32, USA, Mar-1982.
TCD-SCSS-V.20230709.001.45	1982	DP8409 Multi-Mode Dynamic RAM Controller/Driver, National Semiconductor B-F-2092 DA-B25M32, USA, Mar-1982.
TCD-SCSS-V.20230709.001.46	1982	DP8342 High Speed Serial Transmitter/Encoder, National Semiconductor B-F-1821C DA-B25M22, USA, Feb-1982.
TCD-SCSS-V.20230709.001.47	1982	DP8343 High Speed Serial Receiver/Decoder, National Semiconductor BF-1822C DA-B25M22, USA, Feb-1982, and attached leaflet “The best rates in the industry” about the DP8342 & DP8343 (as well as the LH1605 switching regulator).
TCD-SCSS-V.20230709.001.48	1981	LH0101CK/LH0101ACK LH0101K/LH0101AK Power Operational Amplifier, National Semiconductor BK2060 DA-B25M31, USA, Mar-1981

TCD-SCSS-V.20230709.001.49	1981	DP84240/DP84244 Octal TRI-STATE MOS Drivers, National Semiconductor B-F-2320 DA-B25M91, USA, Sep-1981.
TCD-SCSS-V.20230709.001.50	1980	MM58174 Microprocessor Compatible Real Time Clock, National Semiconductor EM1, UK, Apr-1980.
TCD-SCSS-V.20230709.001.51	1983	PAL Programmable Array Logic DataBooklet, National Semiconductor RB/0001 DBM-ST25M93 and RP/01 ST15M64, W.Germany, 1983.
TCD-SCSS-V.20230709.001.52	1990	ADC1241 Self-Calibrating 12-Bit Plus Sign µP-Compatible A/D Converter with Sample-and-Hold, National Semiconductor TL/H/10554 RRD-B20M30, USA, Mar-1990.
TCD-SCSS-V.20230709.001.53	1990	ADC12451 Dynamically-Tested Self-Calibrating 12-Bit Plus Sign A/D Converter with Sample-and-Hold, National Semiconductor TL/H/11025 RRD-B20M70, USA, Jul-1990.
TCD-SCSS-V.20230709.001.54	1991	LM12458 12-Bit + Sign Data Acquisition System with Self-Calibration, National Semiconductor TL/H/11264 S91/3M, W.Germany, Oct-1991.
TCD-SCSS-V.20230709.001.55	1991	LM12458 12-Bit + Sign Data Acquisition System with Self-Calibration, National Semiconductor TL/H/11264 RRD-B20M101, USA, Oct-1991, and enclosed leaflet.
TCD-SCSS-V.20230709.001.56	198x	
TCD-SCSS-V.20230709.001.57	198x	
TCD-SCSS-V.20230709.001.58	198x	
TCD-SCSS-V.20230709.001.59	198x	
TCD-SCSS-V.20230709.001.60	198x	
TCD-SCSS-V.20230709.001.61	198x	
TCD-SCSS-V.20230709.001.62	198x	
TCD-SCSS-V.20230709.001.63	198x	
TCD-SCSS-V.20230709.001.64	198x	
TCD-SCSS-V.20230709.001.65	198x	
TCD-SCSS-V.20230709.001.66	198x	
TCD-SCSS-V.20230709.001.67	198x	
TCD-SCSS-V.20230709.001.68	198x	
TCD-SCSS-V.20230709.001.69	198x	
TCD-SCSS-V.20230709.001.70	198x	

References:

1. Wikipedia, *National Semiconductor*, see:
   https://en.wikipedia.org/wiki/National_Semiconductor
   Last browsed to on 9-Jul-2023.

Figure 1: xxxx
TCD-SCSS-V.20230709.001.01

Figure 2: xxxx
TCD-SCSS-V.20230709.001.02