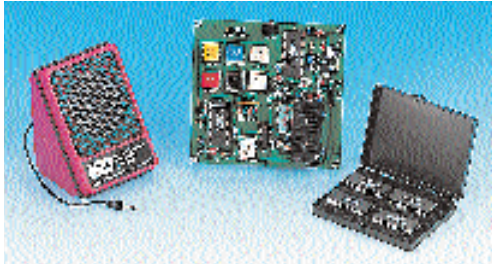


Special Function ICs — continued

Speech Synthesis Demonstration Board



The ISD-ES302 Demonstration Board is an easy to use portable unit designed to allow listeners to evaluate the high voice quality of the ISD33000 series and to demonstrate the features available through the SPI control bus.

Contents include:

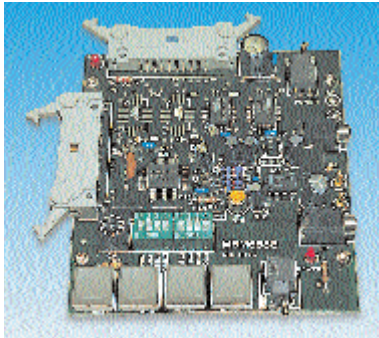
- The ISDES301 demonstration board
- External speaker
- NSC COP820C microcontroller (on-board) - ISD33120P, ISD33150P, ISD33180P, ISD33240P ChipCorder device samples
- Instruction sheet
- Two 1.5V AA batteries
- Carrying case

ISD-ES302 Demonstration BoardOrder Code .140-156

SEM641

each

MSM6588 Demonstration Kit



An ideal evaluation kit for one-off projects, demonstrations and as a prototype for a developing system. The recording and playback conditions are set via switches allowing for various modes of operation. All conditions, truth-tables and mode settings for recording and playback, including recording times per channel calculations are available on datasheets.

Features include:

- the MSM6588 device
- mike and speaker jacks
- channel allocations (for recording) rotary switch
- DIP switch control for stand-alone or micro-computer interface mode operation, fixed/flex/ direct mode recording and sampling frequency setting
- Control buttons for pause function and record/ play interrupt
- serial registers
- power switch
- volume control
- record/play toggle switch
- voice (de)activate
- LED indicators
- 20-pin flat cable connectors

MSM6588 Demonstration Kit.....Order Code 632-429 †

OKI

SEM1

each

† Available until stocks are exhausted

Temperature Controllers, Sensors and Transducers

SEM131 SEM131A

Mfr.	Pins	Description	Mfrs. List No.	Order Code	1+	10+	100+	250+	500+
01	AD	8/DIL	Low Power, Programmable Temperature Controller	TMP01FP	527-737				
14	AD	14	Quad Setpoint, Programmable Temperature Monitor and Controller. Generates output Voltage proportional to Temperature. Trip points set via on-chip voltage Reference.....	ADT14GP	101-771				
18B20	DAL	3/TO-92	Programmable resolution, One-wire Digital Thermometer (-55°C to +120°C) .	DS18B20	333-0059				
18B20	DAL	3/TO-92	High Precision, One-wire Digital Thermometer (±0.5°C acc. -10°C to +85°C)..	DS18S20	333-0060				
18S20	DAL	8	High Precision, One-wire Digital Thermometer (±0.5°C acc. -10°C to +85°C)..	DS18S20Z	SMD333-0072				
34	NSC	3/TO-92	Precision Fahrenheit Temp. Sensor, -40°F to +230°F.....	LM34CAZ	953-751				
34	NSC	3/TO-92	Precision Fahrenheit Temp. Sensor, -40°F to +230°F.....	LM34CZ	409-042				
34	NSC	8	Precision Fahrenheit Temp. Sensor, +32°F to +212°F.....	LM34DM	SMD953-763				
35	NSC	3/TO-46	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±0.5°C @ 25°C, -40°C to +110°C ext. temp.....	LM35CAH	409-066				
35	NSC	3/TO-92	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. 0.5°C @ 25°C, -10°C to +100°C	LM35CAZ	953-799				
35	NSC	3/TO-92	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @ 25°C, -40°C to +110°C ext. temp.....	LM35CZ	409-078				
35	NSC	3/TO-46	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @ 25°C, 0°C to +100°C	LM35DH	409-080				
35	NSC	8	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @ 25°C, 0°C to +100°C	LM35DM	SMD704-556				
35	NSC	3/TO-92	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±1.0°C @ 25°C, 0°C to +100°C	LM35DZ	409-091				
45	NSC	3/SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±3.0°C @ 25°C, -40°C to +125°C ext. temp.	LM45BIM3	SMD953-957				
45	NSC	3/SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±3.0°C @ 25°C, -40°C to +125°C ext. temp.	LM45CIM3	SMD562-580				
50	NSC	3/SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±2.0°C @ 25°C, -40°C to +125°C ext. temp.	LM50BIM3	SMD954-007				
50	NSC	3/SOT-23	Single-Supply Centigrade Temp. Sensor, 10mV/°C output, acc. ±3.0°C @ 25°C, -40°C to 125°C ext. temp.	LM50CIM3	SMD630-937				
56	DAL	8	Dual Output Low Power Thermostat, trip point acc. ±2°C (0°C to +85°C) .	DS56S	SMD300-1167				
56	NSC	8	Dual Output Low Power Thermostat, trip point acc. ±2°C (SOP).....	LM56BIM	SMD792-160				
56	NSC	8	Dual Output Low Power Thermostat, trip point acc. ±2°C (MSOP).....	LM56BIMM	SMD315-1153				
56	NSC	8	Dual Output Low Power Thermostat, trip point acc. ±3°C	LM56CIM	SMD791-787				
60	DAL	3/SOT-23	Micro-Centigrade Temperature Sensor, 6.25mV/°C output, acc. +/- 2°C -40°C to 125°C, functionally compatible with LM60.....	DS60R	SMD344-1349				
60	NSC	3/SOT-23	Precision Centigrade Temp. Sensor, 6.25mV/°C output, acc. ±3.0°C @ 25°C, -40°C to +125°C ext. temp.	LM60CIM3	SMD704-878				
61	NSC	3/SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±2°C @ 25°C, -30°C to +100°C, +2.7V single supply	LM61BIM3	SMD116-890				
61	NSC	3/SOT-23	Precision Centigrade Temp. Sensor, 10mV/°C output, acc. ±3°C @ 25°C, -30°C to +100°C, +2.7V single supply	LM61CIM3	SMD116-907				
75	DAL	8/SOIC	2-wire thermal Watchdog, 9/12bit resolution, 3 address lines, alarm output, -40°C to +125°C, acc. +/-2°C. Pin/software compatible with LM75CIM-x	DS75S	SMD344-1350				
75	NSC	8	Temp. Sensor with I ² C interface, 9-bit Delta-Sigma ADC and digital over-temperature detector, acc. ±2°C @ 25°C, -55°C to 125°C ext. temp., 3V operation.....	LM75CIM3	SMD703-722				
75	NSC	8	Temp. Sensor with I ² C interface, 9-bit Delta-Sigma ADC and digital over-temperature detector, acc. ±2°C @ 25°C, -55°C to 125°C ext. temp., 5V operation.....	LM75CIM5	SMD703-710				

Continued