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IKSemicon

The Best Partner for Success Business

Automotive

- Automotive Motor Driver
- Automotive Digital Clock
- Automotive LDO
- Automotive Communication
- Automotive ICs

Power Management

- Ground Fault Interrupters
- Motor Controller
- PWM & SMPS Controller
- Power Factor Controller
- Transistor Array ICs
- Charger ICs
- IGBT Gate Driver
- DC-DC Converter
- Voltage regulator
- Precision Low Voltage Reference
- Voltage Detector
- Reset IC

LED Lighting & Display Driver

- LED/LCD Display
- LED Lighting
- VFD Drivers

Interface

- RS-232
- RS-485
- Isolator
- Transmitters & Receivers
- UART

Analog & Mixed Signal

- Fire Detector
- Telephone ICs
- OP-Amp & Comparator
- Audio System ICs
- Timer
- Real Clock ICs
- Melody ICs

Standard Logic

- IW4000B Series
- IN74HCXXXX Series
- IN74HCTXXX Series
- IN74XXX Series
- IN74LSXXX Series

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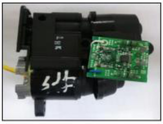
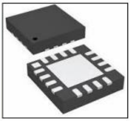
Automotive Motor Driver

Part	Pin to Pin Compatibility	Function	Package	Customers
IK8508	TDA3629	Head Lamp Leveling Driver	PDSO-14	HSL, 우리산업
IK8509	IK ASIC OWN	Power Folding for Side Mirror	QFN-16	HSL, 홍콩CPH

Head Lamp Leveling Driver (IK8508)

Power Folding for Side Mirror (IK8509)





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Automotive ICs

Product	Compatibility	Function	Package	Customers
IL33193	MC33193	Direction indicator	DIP-8 SOP-8	한국오므론, 홍콩CPH
IL33193-03	U643B	Direction indicator	DIP-8 SOP-8	대성전기,인도
IL33197A	MC33197A	Wash Wiper Controller	DIP-8 SOP-8	홍콩
IK642B	U642B	Wash Wiper Controller	DIP-8 SOP-8	대성전기, 지피코

Direction Indicator (IL33193, IL33193-03)

CARLIFE.NET

Wash Wiper Controller (IK642B, IL33197A)

Windshield wipers: controlled by vertical movement of stalk
OFF
INT
LO
HI
Intermittent time control for windshield wipers
Rear window wiper: controlled by rotating outer cap on stalk

Masterfile

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Automotive ICs

Product	Compatibility	Function	Package	Customers
IN7100	S5G5127B	Digital clock (VFD Driver)	DIP-40 MQFP-44	S&T전장
IL6083	U6083B	PWM Power Control IC with Interference Suppression	DIP-8	대성전기
IL8190	CS8190ENF16	Precision Air-Core Tach/Speedo Driver with Return to Zero		

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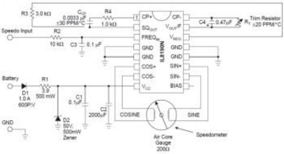
IN7100

IL6083

PRO-COMP
ULTRA-LITE
Auto Meter
RPM
THOUSANDS



Automotive ICs

Product	Compatibility	Function	Package	Customers
IK8001	IK ASIC OWN	Alternator Regulator with RVC Protocol	Chip	이래오토모티브
*IK8010	IK ASIC OWN	HID Lamp Driver	LQFP-48	대성전기

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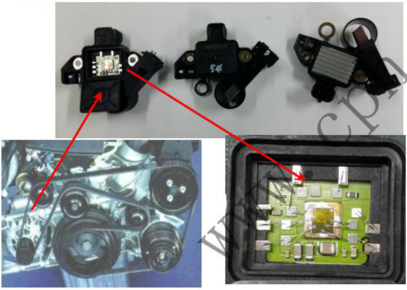
Alternator Voltage Regulator (IK8001)



HID Lamp Driver (IK8010)

Automotive ICs

Product	Compatibility	Function	Package	Customers
ILE4263	TLE4263	Low-Drop voltage regulator 5V, 200mA	PDSOP - 14	
ILE4264–2G	TLE4264-2G	Low-Drop voltage regulator 5V, 100mA	SOT - 223	윤진전자, 은성전장
ILE4270D2T	TLE4270G/S	Low-Drop voltage regulator 5V, 550mA	TO-263-5	
ILE4274	TLE4274	Low-Drop voltage regulator 5V, 400mA 8.5V, 400mA 10V, 400mA	TO-263-5 TO-262-5	
ILE4275D2T	TLE4275	Low-Drop voltage regulator 5V, 400mA	TO-263-5 TO-252-5	
ILE4276D2T	TLE4276	Low-Drop voltage regulator 5V, 8.5V,12V, ADJ / 400mA	TO-263-5 TO-252-5	
ILE4278D	TLE4278	Low-Drop voltage regulator 5V, 200mA	PDSOP - 14	대성전기
ILE4279-4G	TLE42794	Low-Drop voltage regulator 5V, 150mA	PDSOP - 14	

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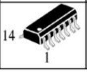
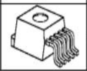
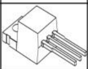
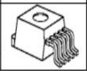
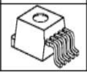
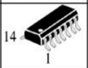
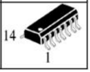
Automotive ICs

LDO (Low Dropout) Product Characteristics

구 분	ILE4263	ILE4264-2	ILE4270	ILE4274	ILE4275	ILE4276	ILE4278	ILE4279-4
PKG Type	14PDSOP	SOT 223	TO 263-5	TO 220AB/3	TO 263-5 TO 252-5	TO 263-5 TO 252-5	14PDSOP	14PDSOP
Input Voltage (V)	6~45	6~45	6~40	5.7~40	6~45	6~40	6~45	6~45
Output Voltage (V)	5	5	5	5, 8.5, 10	5	5 / 8 / 12 ADJ	5	5
Drop Voltage (V)	<0,5	<0,5	<0,7	<0.5	<0,5	<0,5	<0,5	<0,5
Tolerance (%)	2	3	2	4	2	4	2 or 4	2
Output current (mA)	200	100	550	400	400	400	200	150
Over temp protection	yes	yes	yes	yes	yes	yes	yes	yes
Short circuit protection	yes	yes	yes	-	yes	yes	yes	yes
AEC Q100	-	yes	-	-	-	-	yes	-
PKG Outline								

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Automotive ICs

LDO (Low Dropout) Product Functions

Function	ILE4263	ILE4264-2	ILE4270	ILE4274	ILE4275	ILE4276	ILE4278	ILE4279-4
Input Voltage block to ground directly on the IC with a capacitor.	y	y	y	y	y	y	y	y
Output Voltage block to ground with a capacitor	y	y	y	y	y	y	y	y
Reset Output open-collector Output; pull-up to IC Output via a resistor	y		y		y		y	y
Rest delay connected to GND with a capacitor	y		y		y		y	y
Watchdog Input rising edge-triggered input for monitoring a MCU	y						y	
Watchdog Output the open collector Output; pull-up to IC Output via a resistor							y	
Watchdog Adjust; an external resistor to GND determines the watchdog activating threshold							y	
Reset Switching Threshold Adjust; for setting the switching threshold, connect a voltage divider from output to ground. If this input is connected to ground, the reset is triggered at the internal threshold.					y		y	y
Inhibit TTL-compatible, low-active input.	y					y		
Sense input / output								y

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Automotive Communications

Product	Compatibility	Function	Package	Customers
IL33290	MC33290	ISO K Line Serial Link Interface	SOP-8	
IN2515	MCP2515	CAN Controller with SPI Interface	SOP-18	
ILA82C251	PCA82C251	CAN Transceiver for 24V Systems	SOP-8	
*IK8301	AMIS-41682	CAN Transceiver for 12V Systems	SOP-14	
*IK8302	AMIS-30600	LIN Transceiver for 12V Systems	SOP-8	

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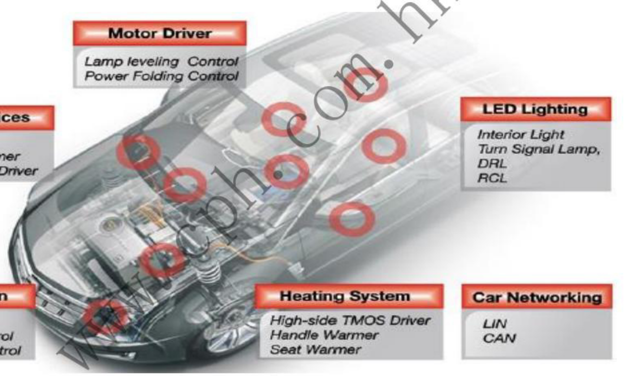

Motor Driver

Lamp leveling Control
Power Folding Control

Special Devices

Digital clock
Wash Wiper Timer
TACH/Speedo Driver

LED Lighting

Interior Light
Turn Signal Lamp,
DRL
RCL

Powertrain

Alternator
Ignition Control
Injection Control

Heating System

High-side TMOS Driver
Handle Warmer
Seat Warmer

Car Networking

LIN
CAN

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Power Management

Ground Fault Interrupter

Product	Compatibility	Function	Package	Customers
IL7101N/D	GL7101, KA2803	Earth Leakage Current Detector (Igr+Igc)	DIP-8, SOP-8	LG산전, 상도전기, 진흥전기, 노비타
IK7102N/D	Own	Earth Leakage Current Detector (Igr only)	DIP-8, SOP-8	
IK7104N/D	Own	Ground Fault Interrupters (Igr+Igc & EMI Enhanced)	DIP-8, SOP-8	
IL54123N/D	M54123	Earth Leakage Current Detector (Igr+Igc)	DIP-8, SOP-8	ABB (이탈리아)
IL4145AN/AD	RV4145A	Low Power Ground Fault Interrupters	DIP-8, SOP-8	

ON
LS 누전차단기
32 GRc
20 A

배전반, 비데, 식기세척기, 세탁기, 냉장고, 에어컨...

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Power Management

Motor Controller

Product	Compatibility	Function	Package	Customers
IL33035N/DW	MC33035	Brushless DC Motor Controller	DIP-24, SOP-24	
IK6501SD	TB6551	3-Phase Full-Wave Sine-Wave PWM Brushless Motor Controller	SSOP-24	SPG, 뉴모텍, 윌텍
IK6019AD	OWN	High-Voltage High-Current Stepper Motor Driver	SOP-16	삼성전자

IK6501SD (공조시스템)

Electric Motors
BLDC MOTOR

IK6019AD

로봇청소기, 에어컨, 냉장고

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Power Management

PWM & SMPS Controller

Product	Compatibility	Function	Package	Customers
IL494N/D	TL494	Pulse-Width-Modulation Control Circuit	DIP-16,SOP-16	범용
IL3842N/D	UC3842	Current Mode PWM Controller	DIP-8, SOP-8	
IL3843N/D	UC3843	Current Mode PWM Controller	DIP-8, SOP-8	
IL6083N	U6083B	PWM Control with Interference-Suppression	DIP-8	
IL44608N	MC44608	SMPS Controller	DIP-8	

Power Factor Controller

Product	Compatibility	Function	Package	Customers
IL34262N/D	MC34262	Power Factor Controller	DIP-8, SOP-8	Lighting Application
ILA3354N	TFA3354	IC for Electronic Ballast's	DIP-8	

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Power Management

Transistor Arrays

Product	Compatibility	Function	Package	Customers
ILN2003AN/AD ILN2004N/D	ULN2003A/04A, TD62003A/04A/ KID65003/04	7CH High-Voltage High-Current Darlington Transistor Arrays	DIP-16, SOP-16	삼성전자 위니아만도 위닉스 -------------- 세탁기,에어컨, 냉장고, 정수기 등등
IK62083N/DW IK62084N/DW	ULN2803/04 TD62083/84 KID65083/84	8CH High-Voltage High-Current Darlington Transistor Arrays	DIP-18/20, SOP-18/20	
IK62783N/D IK62784N/D	TD62783/84 KID65783/84	8 CH High-Voltage Source Driver	DIP-18/20, SOP-18/20	

IK	Toshiba	KEC	Output Type	ch	Output Current	Output Voltage	Clamp Diode	Input Level	Input Base Resistor	Designaton
ILN2003	TD62003 ULN2003	KID65003	Sink	7	0.5A	50V	V	H	2.7kΩ	TTL, 5V C-MOS
ILN2004	TD62004 ULN2004	KID65004		7	0.5A	50V	V	H	10.5kΩ	6~15V P-MOS,C-MOS
IK62083	TD62083 ULN2803	KID65083		8	0.5A	50V	V	H	2.7kΩ	TTL, 5V C-MOS
IK62084	TD62084 ULN2804	KID65084		8	0.5A	50V	V	H	10.5kΩ	6~15V P-MOS,C-MOS
IK62783	TD62783	KID65783	Source	8	0.5A	50V	V	H		TTL, 5 V CMOS
IK62784	TD62784	KID65784		8	0.5A	50V	V	H		6 ~ 15 V P-MOS, CMOS

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Power Management

DC/DC Converters

Product	Compatibility	Function	Package
IL34063AN/AD	MC34063	1.5A, DC-DC Converter	DIP-8, SOP-8
IK5302D	Own	3A, DC-DC Switching Voltage Regulator	ESOP-8
IK1482	MP1482	2A, 18V Synchronous Rectified Step-Down Converter	DIP-8, SOP-8
IK1583	MP1583	3A, 23V, 385kHz Asynchronous Step-Down Converter	DIP-8, SOP-8
IK1591	MP1591	2A, 32V, 330KHz Step-Down Converter	DIP-8, SOP-8
IK2307	MP2307	3A, 23V, 340KHz Synchronous Rectified Step-Down Converter	DIP-8, SOP-8

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Voltage Regulators

Part	Pin to Pin Compatibility	Output Voltage, V	Output Current, A	Output Voltage Tolerance, %	Junction Temp. Range, °C	Package
IL1117C-XX	LM1117	1.2, 1.25(adj), 1.5, 1.8, 2.5, 2.85, 3.3, 5.0	1.0	±2	-40...+125	SOT-223, TO-252
IL233-XX	OWN	1.25 (adj), 1.5, 1.8, 2.5, 2.85, 3.3, 5.0	0.5	±2	-40...+125	SOT-89, SOT-223
IL5219	Micrel Device	ADJ,1.5,1.8, 2.5,3.3,5.0	1.0	±2	-20...+125	Bare Chip
IL1950	FAN1950	2.5	1.5	±2.5	-40...+125	Bare Chip
IL1951	FAN1951	1.8	1.5	±2.5	-40...+125	Bare Chip
IL2931-XX	LM2931Z-X	3.3, 5, 9	0.1	±5	-40...+125	TO-92, SOT-223
IK1589	FAN1589	1.2	2.7	±2	-10...+125	TO-252, TO-263
IL3480-XX	LM3480	3.3, 5.0	0.1	±2	-40...+125	TO-92, SOT-89
IL78XX	MC78XX	5, 6, 8, 9, 10, 12, 15, 18, 24	1.0	±5	-40...+125	Bare Chip
IL78LXX	MC78LXX	5, 6, 8, 9, 10, 12, 15, 18, 24	0.1	±5	-40...+125	TO-92, SOT-89, SOP-8

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Adjustable Voltage Regulators

Part	Pin to Pin Compatibility	Output Voltage, V	Output Current, A	Output Voltage Tolerance, %	Junction Temp. Range, °C	Package
IL317D0T/D2T	LM317	ADJ	1.5	±5	Ta=-40...+125	TO-252, TO-263
IL317L-LF/ET/PT	LM317L	ADJ	0.1	±5	Ta=-40...+125	TO-92, SOT-223/89

Switching Voltage Regulators

Part	Pin to Pin Compatibility	Output Voltage, V	Output Current, A	Output Voltage Tolerance, %	Junction Temp. Range, °C	Package
IL2576C-XX KB/D2T	LM2576-XX	3.3, 5.0, 12, 15, ADJ	3.0	±2	Ta=-40...+125	TO-220-5L, TO-263-5L
IL2596C-XX KB/D2T	LM2596–XX	3.3, 5.0, 12, ADJ	3.0	±2	Ta=-40...+125	TO-220-5L, TO-263-5L
IK1509-XXDT	AP1509-XX	3.3, 5.0, 12, ADJ	2.0	±3	Ta=-40...+125	SOP-8

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Precision Low Voltage Reference

Product	Compatibility	Function	Package
TL431Z	TL431	Programmable precision references (Vref 2.5V)	TO-92, SOT-23 SOT-89, SOP-8
TL432	TL432	Programmable precision references (Vref 1.25)	TO-92

Voltage Detector

Part	Pin to Pin Compatibility	Detecting Voltage, V	Input Voltage, V	Output Current, A	Detecting Voltage Tolerance, %	Junction Temp. Range, ℃	Package
IL75XXLF/ ST/PT	HT70xx	2.2, 2.4, 2.55, 2.7, 2.8, 3.3, 3.9, 4.2, 4.7, 5.0	1.2~5.5	0.03	2.0	Ta=-10...+70	TO-92, SOT-23, SOT-89
IL70XXLF/ PT	KIA70xx	2.1, 2.3, 2.7, 2.9, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.9, 4.2, 4.5	-0.3~15	0.02	2.0	Ta=-10...+70	TO-92, SOT-89

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Reset ICs

Parameter	IN1232N IN1232D	IN1705N IN1705D	IN1705RN IN1705RD	IN1706N IN1706D	IN1706RN IN1706RD	IN1708N IN1708D
Supply Voltage, V	4.5~5.5	1.2~5.5	1.2~5.5	1.2~5.5	1.2~5.5	1.2~5.5
Nominal Reset Threshold, V	4.37	4.65	4.65	2.93	2.93	4.40
Min Reset Pulse Width, ms	250	100	100	130	130	130
Push-Pull RESET Output	L, H	L	H	L	H	L, H
Watchdog	●	●	●	●	●	
Nominal Watchdog Timeout Period (s), if available	0.15	1.6	1.6	1.6	1.6	
Separate Watchdog Output		●	●	●	●	
Power-Fail Comparator/ Reset Input		●	●	●	●	●
Manual-Reset Input	●	●	●	●	●	●
Supply Current in Operating Mode, uA, max (typ)	2000 (500)	350 (100)	350 (100)	50	50	50
Operating Temperature, ºC	-10 ~ +70	-40 ~ +85				
Package	DIP-8 SOP-8	DIP-8 SOP-8	DIP-8 SOP-8	DIP-8 SOP-8	DIP-8 SOP-8	DIP-8 SOP-8

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LED Lighting & Display Driver

LED Display

Part	Pin to Pin Compatibility	Function	Package
IK2102	Own	LED Driver with Key Scan Function, (Common Cathode Type) 4 digits x13 segments to 7 digits x 10 segments	SOP-28
IK2108	Own	LED Display Driver (Common Anode Type) 8 Columns x 14 Rows to 12 Columns x 10 Rows	SOP-32
IK6208	Own	LED Display Driver (Common Anode Type) – Platform Base IK6208TQ : 8 digits x 14 segments (3 Key Scan / 2CH PWM)	TQFP-48

Set Top Box (Front Board)

5000
METABOX

세탁기

1:01
95(℃)
60
40
30
냉 수
세 탁
헹 굼
탈 수
물온도

기타 Front/Control Board

실내온도
보일러온도
20
86

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LED Lighting & Display Driver

LED Lighting

Feature	IL9910	IL9961	IL992x	IK2312	IK280x	IK402	IK3004
Function	Universal High-Voltage LED Driver	Universal High-Voltage LED Driver	High Voltage LED Driver	High Stability Switch Mode LED Driver	Constant current LED Driver	Linear LED Driver	Current limiting IC
MAX supply DC Voltage	450V	450V	400V	400V	-	42V	24V
Output Current	Up to >1A Adjustable by EXT resistor	Up to >1A Adjustable by EXT resistor	9921: 20mA 9922: 50mA 9923: 30mA	120mA	2802 : 360mA 2804 : 240mA 2816 : 60mA Per channel	22~65mA Adjustable by EXT resistor	22mA
Power Dissipation	630mW for SOP-8	630mW for SOP-8	740mW for TO-92 1600mW for SOT-89	1100mW for SOT-223 1600mW for TO-92	800mW	-	-
Build-in FET or BJT	No	No	Yes	Yes	Yes	Yes	Yes
Thermal Protection	No	No	No	No	Yes	Negative Thermal Coefficient	Negative Thermal Coefficient
Short circuit Protection	No	Yes	No	Yes	No	No	No
Dimming	Analog/PWM	Analog/PWM	No dimming	No dimming	Analog/PWM	No dimming	No dimming
Compatibility	HV9910	HV9961	HV9922	-	MBI180x	BCR402U	-

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Interface

RS-232

Product	Compatibility	Function	Package
IN75232N/DW	CD75232	RS-232 Interface 1 Chip IC	DIP-20,SOP-20
ILX232N/D	MAX232	Drivers/Receiver (RS-232) (2/2) (Vcc = 5V)	DIP-16, SOP-16
ILX3232N/D/TSD	MAX3232	Drivers/Receiver (RS-232) (2/2) (Vcc = 3.3 to 5.5V)	DIP-16, SOP-16, TSSOP-16
ILX3221EN/ED	MAX3221E	±15kV ESD-Protected, 1μA, 3.0V to 5.5V, 250kbps, RS-232 Transceivers with Auto-Shutdown	DIP-16, SOP-16
ILX3226N/D/TSD*	MAX3226	1μA Supply Current, 3.0V to 5.5V, 1Mbps RS-232 Transceivers with Auto-Shutdown Plus	DIP-16, SOP-16, TSSOP-16

Set Top Box (후면부)

Mobile Printer

Mobile Printer
SPP-R200

Label Printer

Serial
Ethernet
USB

Interface

RS-485

Product	Compatibility	Function	Package
ILX485N/D	MAX485	Drivers/Receiver (RS-485) - 5.0V	DIP-8, SOP-8
ILX3485N/D	MAX3485	Drivers/Receiver (RS-485) - 3.3V	DIP-8, SOP-8
ILX75176N/D	SN75176	Drivers/Receiver (RS-485) - 5.0V	DIP-8, SOP-8
ILX3085N/D	MAX3085E	Drivers/Receiver (RS-485) - 5.0V	DIP-8, SOP-8

CCTV

로비폰

월패드

< RS485 : 로비폰 – 홈폰(월패드) – Guard – 메인장치 >

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Interface

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Isolator

Product	Compatibility	Function	Package
ILX488-3D	OWN	Low-Power Triple-Channel Digital Isolator	SOP-16

Transmitters & Receivers

Product	Compatibility	Function	Package
IN1488N/D	MC1488D	4-Channel Transmitter for Serial Interface	DIP-14,SOP-14
IN1489AN/AD	MC1489ADM	4-Channel Receiver for Serial Interface	DIP-14,SOP-14
INS82C50AN/D	INS82C50A	Microcontroller for Serial Interface	DIP-40
IN82C55AN/BN	82C55A	Programmable Peripheral Interface	DIP-40
INF8574AN/AD	PCF8574	Remote 8-Bit I/O Expander for I2C-Bus	DIP-16, SOP-16

E-Meter Application (ILX488)

Analog & Mixed Signal

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Telephone One-Chip Solution

Product	Compatibility	Function	Package
IL2533AN/ADW	AS2533	Multi-Standard CMOS Singl Chip Telephone IC with Dual Soft Clipping	DIP-28, SOP-28

Pulse and Tone/Pulse Dialers

Product	Compatibility	Function	Package
IL91214AN/AD	UMS91214	Tone/Pulse Dialer with Flash Function	DIP-16, SOP-16 DIP-18, SOP-18

Tone Telephone Ringers

Product	Compatibility	Function	Package
IL2411N/D	KA2411	Two-Tone Telephone Ringer	DIP-8, SOP-8
IL2418N/D	KA2418, L1240	Two-Tone Telephone Ringer with Diode Bridge	DIP-8, SOP-8
IL6840N/D	GL6840A, GL6840B	Two-Tone Telephone Ringer with Diode Bridge	DIP-8, SOP-8

LG Ericsson (IL2533)

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Speaker Integrated Circuits

Product	Compatibility	Function	Package
KL34018N/DW	MC34018	Voice Switched Speakerphone Circuit	DIP-28, SOP-28
IL34118N/DW	MC34118, U4082	Voice Switched Speakerphone Circuit	DIP-28, SOP-28
IL34119N/D	MC34119 U4083	Telephone Audio Amplifier	DIP-8, SOP-8
IL5009N/D	DBL5009	Speaker Amplifier	DIP-8, SOP-8
ILA1062N/D ILA1062AN/AD	TEA1062 TEA1062A	Low Voltage Transmission Circuit with Dialer Interface	DIP-16, SOP-16
IL6965N/D	GL6965	Telephone Speech Network with Dialer Interface	DIP-20, SOP-20

비디오폰 (IL34118, IL34018)

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Operational Amplifiers

Part	Pin to Pin Compatibility	Function	Package
Dual OP Amp			
IL358N/D IL2904N/D	LM358 LM2904	Dual Operational Amplifier	DIP-8, SOP-8
IL4558N/D	LM4558	Dual Operational Amplifier	DIP-8, SOP-8
IL1458N/D	NJM1458	Dual General Purpose Operational amplifier	DIP-8, SOP-8
IL4560N/D	NJM4560	Dual Operational Amplifier	DIP-8, SOP-8
IL4580N/D	NJM4580, LM833	Dual Operational Amplifier	DIP-8, SOP-8
KL103N/D	TSM103	Dual Operational Amplifier and Voltage Reference	DIP-8, SOP-8
Quad OP Amp			
IL324N/D IL2902N/D	LM324 LM2902	Quad Operational Amplifier	DIP-14, SOP-14
Programmable Operational Amplifier			
IL1776CN/CAN IL1776CD/CAD	MC1776C	Micro-power Programmable Operational Amplifier CAN, CAD (T_A = -40° ~ 85°C)	DIP-8, SOP-8
Precision Operational Amplifier			
IL9002N/D	OP-07A	Precision Operational Amplifier	DIP-8, SOP-8
IL9002AN/D	OP-07	Precision Operational Amplifier	DIP-8, SOP-8
Rail to Rail Operational Amplifier			
IL8515*	AD8515	1.8V Low Power CMOS OP Amp.	SOT-23
IL8541	AD8541	CMOS General-Purpose Amplifiers	SOT-23
IL8615*	AD8615	Precision, 20 MHz, CMOS, OP Amp.	SOT-23

Comparators

Part	Pin to Pin Compatibility	Function	Package
Dual Comparator			
IL393N/D IL2903N/D	LM393 LM2903	Dual Comparator	DIP-8, SOP-8
Quad Comparator			
IL339N/D IL2901N/D	LM339 LM2901	Quad Comparator	DIP-14, SOP-14

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ICs for Audio Systems

Part	Pin to Pin Compatibility	Function	Package
KL6270N/D	SL6270	Audio amplifier and Voice operated Gain adjusting device(VOGAD)	DIP-8, SOP-8
KL3340N/D	MC3340	Electronic Attenuator : DC operated Volume Control	DIP-8, SOP-8
KL2822MN/D	TDA2822M	Dual Low Voltage Power Amplifier – Mono/Stereo Audio Amplifier	DIP-8, SOP-8
IL5009N/D	DBL5009	Speaker Amplifier	DIP-8, SOP-8
IK7437Q	TDA7437	Digitally Controlled Audio Processor 4 Speaker Attenuator	QFP-44

ICs for Audio Systems

Power Class	Part	Pin to Pin Compatibility	Function	Supply Voltage,V	Power, W	Gain, dB	Load Resistance, Ohm	Package
Low Power	IL34119	MC34119N	Mono	2...16	0.25	80	8; 16; 32	DIP-8, SOP-8
	IL386	LM386	Mono	4.0...12.0	1.0	26…42	8.0 (4.0; 16)	DIP-8, SOP-8
	ILA7050	TDA7050	Mono, Stereo	1.6...6.0	1x0.140 2x0.075	32 (mono) 26 (stereo)	32 (16; 64)	DIP-8
	ILA7052	TDA7052	Mono	3.0...18.0	1.2	38…40	8.0	DIP-8
	ILA7053	TDA7053	Stereo	3.0...18.0	2x1.0	38…40	8.0 (16; 25)	DIP-16
	KL7496LN	TDA7496L	Stereo, DC Control	10.0...18.0	2x2.0	30	8.0	DIP-20
Middle Power	ILA7056	TDA7056	Mono	3.0...18.0	3	39…42	16.0	SOT110-1
	ILA7056B	TDA7056B	Mono, DC Control	4.5...18.0	5.0	39.5…41.5	16.0	SOT 110-1
Large Power	ILA1519B	TDA1519B	Mono, Stereo	6.0...18.0	12 (mono) 2x6 (stereo)	45~47 (mono) 39~41 (stereo)	4.0 8.0	SIL-9P

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Analog & Mixed Signal

Timer IC

Part	Pin to Pin Compatibility	Function	Package
INA8583N	PCF8583P	Clock Calendar with 256x8 Bit Static RAM with I²C Bus	DIP-8
ILC555N/D	GLC555	Timer	DIP-8, SOP-8
ILC556N/D	GLC556	Dual Timer	DIP-14, SOP-14

Real Time Clock ICs

Part	Pin to Pin Compatibility	Function	Package
IN1307N/D	DS1307	Real-Time Clock IC	DIP-8, SOP-8
IN1363N/D	PCF8563, DS1208	Real-Time Clock IC	DIP-8, SOP-8
IN141618N	MC141618	Real Time Clock Plus RAM	DIP-24

Real-Time Clock IC

음력
양력
12 월
3 일
온도
16 ℃
오전
오후
3 33
5 요일

Real-Time Clock IC

2015-02-25 16:18:02
시스템 시간 설정
현 재
설 정
2015-02-25
2
25
16:18:02
16
17
55
확 인
취 소
시간설정
진행화면
메인화면
도움말

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Logic ICs

Logic Cross Reference

Technology	IK	Hitachi	On Semi	Toshiba	TI	Philips/NXP	Fairchild
CMOS 4000	IW4	HD14	MC14	TC4		HEF4	CD4
TTL	IN74		SN74	SN74	SN74	74	DM74
	IN74LS	HD74LS	SN74LS	SN74LS	SN74LS	74LS	DM74LS
High-speed CMOS	IN74HC	HD74HC	MC74HC	TC74HC	SN74HC	74HC	MM74HC
	IN74HCT	HD74HCT	MC74HCT	TC74HCT	SN74HCT	74HCT	MM74HCT

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Thank you

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