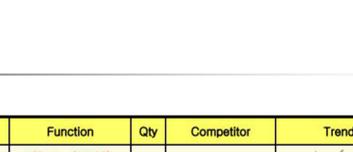




IK Products per each Application



1. STB

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Front	IK2102D IK2103	LED driver(2BSOP), Key-scan	(1)	PTC(PT6961~5)	LED driver 70% M/S	Humax Homecast Handan Gaon Topfield SEC Diploma Aopen Cetron HOT
	IK6315	VFD driver	(1)	PT6315		
	74HC164/ HCT164AN	Logic (LED display with TR)	(1)	TI, FC, NXP	Major(50%)	
	74HC595AN	Logic (LED display with TR)	(2)	TI, FC, NXP		
Main B/D	ILX232/3232D	RS232 Interface	1	STM, TI, Sipex		Others Hub-tech/Hutor/ 빅손(DI지탈월드/ DMT/AMT/코비스 이노컴/코디컴/ 인태그리/이동택/ Dgstation/LGE/ 네스 코로텍 등
	IL1117-xx	1A, LDO	2	AME, STM, BCD, AUK etc	TO252 increasing demand	
	IL358D IL4558/60/80D	OP-amp	2-4	BCD, AUK, KEC, NJRC	HDMI 적용하면 Fade-out	
	IL817	1.5A Adjustable regulator	1	FC, STM, NS etc		
	IL70xxD2	Reset (Voltage detector)	1	KEC, IMP, FC	Max809/MP1815/6개월 임계값으로 low-cost 적용	
	IK1509	2A DC-DC(SOP-8)	(1)	Diodes		
	IL1084-xx	3A LDO	1	BCD, Bitech, FC etc		
	IK6146	4 channel Video filter (SD)	1-2	FC, Maxim	SD → HD	
	IL34063A IK5301	DC/DC 3A DC-DC	1-2	TI, Onsemi, MPS		
	IL78xx	Regulator	1	KEC, FC, Sharp	Fade-out	
SMPS	TL431Z	Shunt regulator	1	FC, HTC		

2. DVD Player, DVD Recorder, Combo, VCR

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Front	IK2102D IK2103	LED driver(2BSOP), Key-scan	1	PTC(PT6961~5)	LED driver 70% M/S	LGE SEC
	IK6315	VFD driver	(1)	PT6315	HD Blue Ray	
Main B/D	IL1117-1.8 IL1117-3.3	1A, LDO	2	NS, AME, STM, BCD, AUK etc	Decreasing market	
	IL4558/60/80D	OP-amp	2	NJRC, KEC, AUK	HDMI Fade-out	
	IN1307D	RTC	(1)	Maxim, Holtek	일부 적용(SEC)	
	IL1084-xx	5A LDO	(1)	BCD, STM, LTC etc		
	IK1509 IK5301	2A DC-DC 3A DC-DC	1	Diodes, AOS, MPS		
	Logic	Logic	1	TI, NXP, FC	TSSOP	
SMPS	IL78xx	Regulator	1	KEC, FC, Sharp	Fade-out	
	TL431	Shunt regulator	1	FC, HTC	PWM controller 0265/0365 or SG5842	

3. Audio/Car-audio/Amp

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Main & Display B/D	IL4558S/D/N IL4560D/N IL4560D/N	OP-amp	2-4	KEC, NJRC, AUK	Amp는 11~22ea 적용	Audio LGE SEC Inkel Vision-tech
	IN4052B/N/D IN4053B/N/D	Logic	(2)	NXP, TI		
	KL7496LN ILA7057Q ILA2003	2W audio power-amp 5W audio power-amp 10W audio power	1	TI, FC, NXP	Fade-out 40W 이상 및 Digital-amp 추세	
	IK6315	VFD Driver	(1)	PT6315		
	ILX232D/3232	RS232 Interface	(1)	STM, TI	Car-audio/Amp Home theater 일부 적용	
	IL1117-xx	1A, LDO	2	AME, STM, BCD, AUK etc	Car-audio 적용	
SMPS	IK1509 IK5301	2A DC-DC(SOP-8) 3A DC-DC	1			
	IL78xx	Regulator	1	KEC, FC, Sharp	PWM controller IC FC F3D10365(\$0.4) Infineon 2B265/365(\$0.5)	
	TL431Z	Shunt regulator	1-2	FC, HTC		
	IL494D	PWM	(1)	BCD, TI	SG5842 전환 추세	

4. LCD monitor/LCD TV

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Main B/D	IL1117-xx	1A, LDO	1-2	AME, STM, BCD, AIC, AUK etc	TV는 TO252 demand Also increasing demand TO252	TV SEC LGE DWE
	KL7496LN	2W audio power-amp	(1)	STM, UTC	Monitor with speaker	
	IL2596-xx IK1509-xx	3A switching regulator 2A DC-DC(SOP-8)	1-2	Onsemi, LTC, KEC etc		
	IL70xxD2	Reset (Voltage detector)	(1)	KEC, FC etc		
	IL817	1.5A Adjustable regulator	(1)	FC, STM, NS etc		
	IL3232	RS232	(1)	Interall, TI, ST	LCD TV	
Inverter SMPS BLU	IL1084-xx	5A LDO	(1)	BCD, FC etc		BLU & Inverter P 상성전자 희성전자 DSLCD 우성 한울LCD 태산LCD 동진LCD 성진ENP 등
	IL383D	Comparator	(2)	KEC, FC, Onsemi	BLU, MSOP	
	IL358D	OP-amp	(1)	KEC, FC, AUK etc	BLU	
	TL431Z/IL103	Shunt regulator	(1)	KEC, FC etc	BLU	
	IL34063AD	DC-DC con.	1		고효율 DC-DC 적용	
	IL494/3842/3843	PWM controller	1		Inverter Green-mode 적용추세	
	Other	PWM controller	1	FC(FAN7601/2)	Green-mode IC SG5842 market	

5. PDP TV

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Main B/D	IL70xxD2	Reset (Voltage detector)	1-2	KEC, FC		SET SDI LGE
	Logic	Logic	10-20	TI, NXP, FC	SOP & TSSOP	
	IL1084-xx	3A/5A LDO	1	STM, FC etc		
	IK1509	2A DC-DC	(1)	F/FC		
	IK1589	2A DC-DC	(1)			
	IL7045	Voltage detector	1	F/FC, KEC		
SMPS Power module	IL2576-ADJ/5.0	3A step-down switching regulator	2	Onsemi, LTC, Anachips	TO220, 2596 적용업체 증가	Power module 상성전자 동진ENP LGE 희성전자 등
	IL358AN	OP-amp	(4)	FC, KEC, AUK		
	IL383N	Comparator	(2)	FC, KEC, AUK		
	IL78xx/IL78xx	Regulator	2-3	FC, KEC, STM	고효율 DC-DC 적용	
	TL431Z/IL103	Shunt regulator	2-8	FC, KEC		

6. GPS/Navigation

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
GPS	IK2103	LED display, Key scan	1	PTC		GPS module 대만부스 J-COM
	ILX232D ILX3232D	S/W download	1	Sipex, Maxim	GPS module 업체 3232 적용	
	IL34063AD	DC-DC converter	1	FC		
	IL1117-3.3	1A LDO	1	AME, BCD		
Navigation	IL386D/IL2822MD	Audio amp to speaker	1	STM, FC		Navigation 탑코퍼어 카모인트 Autonet 기타
	IL2576-xxD2 IK1509	3A switching regulator	(1)	Onsemi, Anachips, HTC	Qlgar 전환 adopter	
	ILX232D ILX3232D	S/W download	1	Sipex	대부분 3232TSSOP 적용, 내수는 USB 추세	
	IL70xxD2	Reset (Voltage detector)	(1)	KEC, FC		
	TL431	Shunt regulator	(1)	FC, KEC		

7. CCTV camera/DVR

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
CCTV camera	IK3629	DC motor driver	(2)			CCTV 비전테크 씨엔비텍 아프코테크/비타 코디콤 휴대이폰 하이테크시스템즈 오리엔탈 기타
	ILX3485D ILX485	485 interface	1	Maxim, Zilog, NEC AnalogDevice, LTC		
	IL34063AD	DC-DC	1	FC		
DVR	IL358/4558/4560	OP Amp	1	KEC, AUK		아이디스 성광전자 아프코텍 중앙미디어 파커스/보통신 ITX
	IK2102D	LED driver	(1)			
	74HC164AD	Logic	1	TI, NXP		
	Logic	Logic	2-6	TI, NXP		
	IL2596-xx	3A DC-DC	(1)			
	ILX485D	485 interface	(1)			
	IL1117-xx	1A LDO	1	STM		
IN1232	Reset IC	1	IMP			

8. Telephone/WLL

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Normal Wire/Wireless Telephone	IL2530D	One-chip(유선)	1	AMS	Needs increasing	일본본 UN/광미디어 아프코텍/노비타 성일텔레콤 등
	IL2418/6840N	Ringler(유선)	1	FC, Above, UTC		
	IL695N	Speech (유선)	1	Above, UTC		
	IL3411B	Voice switched Speak (유선/무선)	1	Onsemi, UTC	Decreasing market	
	IL34119	Audio-amp	1	Onsemi, UTC	With IL3411B	
	Melody	Melody IC(유선)	1		일부 적용	
	IL1082A	Transmission(무선)	(1)	NXP, UTC		
Video & Door Phone	IL3411B	Voice switch Speaker	1	Onsemi, UTC	With IL3411B	DECT 아프코텔레콤 아프코텍 중앙미디어 등 유선전화 등
	IL34119	Audio-amp	1	Onsemi, UTC	With IL3411B	
	ILX485	485 interface	(1)	Interall, Sipex, Maxim	HomeNetwork 적용추세	
	IL34063A	DC-DC converter	(1)	FC, TI		
DECT	IL1117-xx	1A LDO	1-2	STM, AME		WLL 100K/M 성일 100K/M 엑셀셀 100K/M 아이시시스템 60K P&C/동진 유비타/다자
	IL6840N	Ringler	(1)	FC, Above, UTC	일부 적용	
	IN4068BDT	Logic	1	Onsemi, TI		
WLL	IL34063A	DC-DC converter	(1)	FC, TI		
	IK1509	2A, DC-DC	1			
	IL34119D	Audio-amp	1	Onsemi, UTC	일부 적용	

9. Rice-jar/Bidet/Air-cleaner

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Rice-jar	IL33153N	IGBT driver	1	Onsemi	IH 적용 추세	전기감압밥솥 쿠쿠 200K/M 부방 30K/M 노비타, 동진
	IL70xxP	Voltage detector	1-2	KEC, FC		
	IL358/324	OP-amp	(1)	BCD, AUK, KEC		
	IL339/393	Comparator	(1)			
	IL78xx	Regulator	2-3	KEC, FC		
Bidet	IL7101	GFCI	1	FC(1232)		비데 성일테크 노비타 동진메직/대림 동진/나미아
	IK2102D	LED display, Key scan	1-2	PTC		
	IL358	OP-amp	(1)	BCD, AUK, KEC		
	IL2003N IL62083/4	TR-array	2-3	Toshiba, KEC		
Air-cleaner	IL78xx	Regulator	1-2	KEC, FC		공기청정기 정흥 한국사프/동진 SEC/LGE
	IL33035	BLDC motor driver	(1)	Onsemi, PIC	Motor 업체 일부 적용	
	IL358/324	OP-amp	(1)	BCD, AUK, KEC	일부 적용	
	IL2003N IL62083/4	TR-array	(2)	Toshiba, KEC	일부 적용	
	IL78xx	Regulator	1-2	KEC, FC		

10. Washing Machine/Air Conditioner/Refrigerator

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Washing Machine	IL70xxP	Voltage detector	1-2	KEC, FC		세탁기 LGE 광주상성 DWE
	ILN2003N IL62083/4	TR-array	2-4	Toshiba, KEC		
	IK2102D	LED driver	(1)			
	IK2108A	LED driver	1		New	
Air Conditioner	IL70xxP	Voltage detector	(1)	KEC, FC		에어컨 LGE 광주상성 DWE 위니아인도 캐리어
	ILN2003N IL62083/4	TR-array	2-3	Toshiba, KEC		
	IL358/324	OP-amp	(1)	AUK, KEC		
	IK2102D	LED driver	(1)			
Refrigerator	IK2108A	LED driver	1		New	감지냉장고 위니아인도 광주상성 LGE/DWE
	ILN2003N IL62083/4	TR-array	2-3	Toshiba, KEC		
	IL358/324	OP-amp	(1)	AUK, KEC		
	IK2802/316	LED Lighting driver	1		New	
	IK2108A	LED driver	1		New	

11. Charger/SMPS

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
Charger	IK3051 S100-8	CC-CV SCR	1	Rohm, BCD, AUK, ST		
	IL358D	OP-amp	(1)	BCD, AUK, KEC	Fade-out	
	TL431 IL103	Regulator REF & Comparator	(1)	HTC, Woosook	Fade-out	
SMPS & Power Board	IL358D	OP-amp	(1)	BCD, AUK, KEC		
	IL484	PWM (Cigar charger)	1	BCD, TI		
	IL339/393D	Comparator	1	BCD, KEC		
	IL1117-xx	1A LDO	(1)	AME, STM, BCD, AUK		
	TL431	Regulator	1	HTC, Woosook		

12. Circuit Breaker

Parts	IK Item	Function	P't	Competitor	Trend	Customer
Circuit Breaker	IL7101/IL7102 54123/4145	GFCI (분전반, 가로동)	1	Above, FC	가로동 확대 적용 예정	

13. Automotive & LED Lighting

Parts	IK Item	Function	Qty	Competitor	Trend	Customer
<Car> DC Motor control & LDO	IK3629	Car positioning motor driver	2-6	Philips, Infineon	BLDC	
	IL78xx	Regulator	1	AUK, KEC		
LED Lighting	IK4275 IK4275 IL4282	5V with reset & Adjustable led out	2-4	Philips, Infineon, Onsemi		가로동, 보안등, 광경 조명 인테리어 조명 광고판 조명
	IK2804	2ch, 360mA/ch	1	Macro Block		
	IK2804	4ch, 240mA/ch	1	Macro Block		
	IK2816	16ch, 60mA/ch	1	Macro Block		
	IK3051	Constant current control for SMPS	1			
	IL78xx	Regulator	1	AUK, KEC		
	IK6581	PFC & AC-DC	1	ST	AC_DC with PFC	
	IL103	Ref V & Comparator	1			