

SCIENTIFICO-MANUFACTURING SEMICONDUCTOR
CENTER
ul. Komarowa 5 02-675 Warszawa POLAND

for YOU

POLAND 1982

Ref. Semiconductor Device Current Information

There is Full Line List inside, including:
Type /KTM / Case/ Main Destination.

KTM is the 13-character ordering product code
in product group 1156 /1158 for thermistors/.

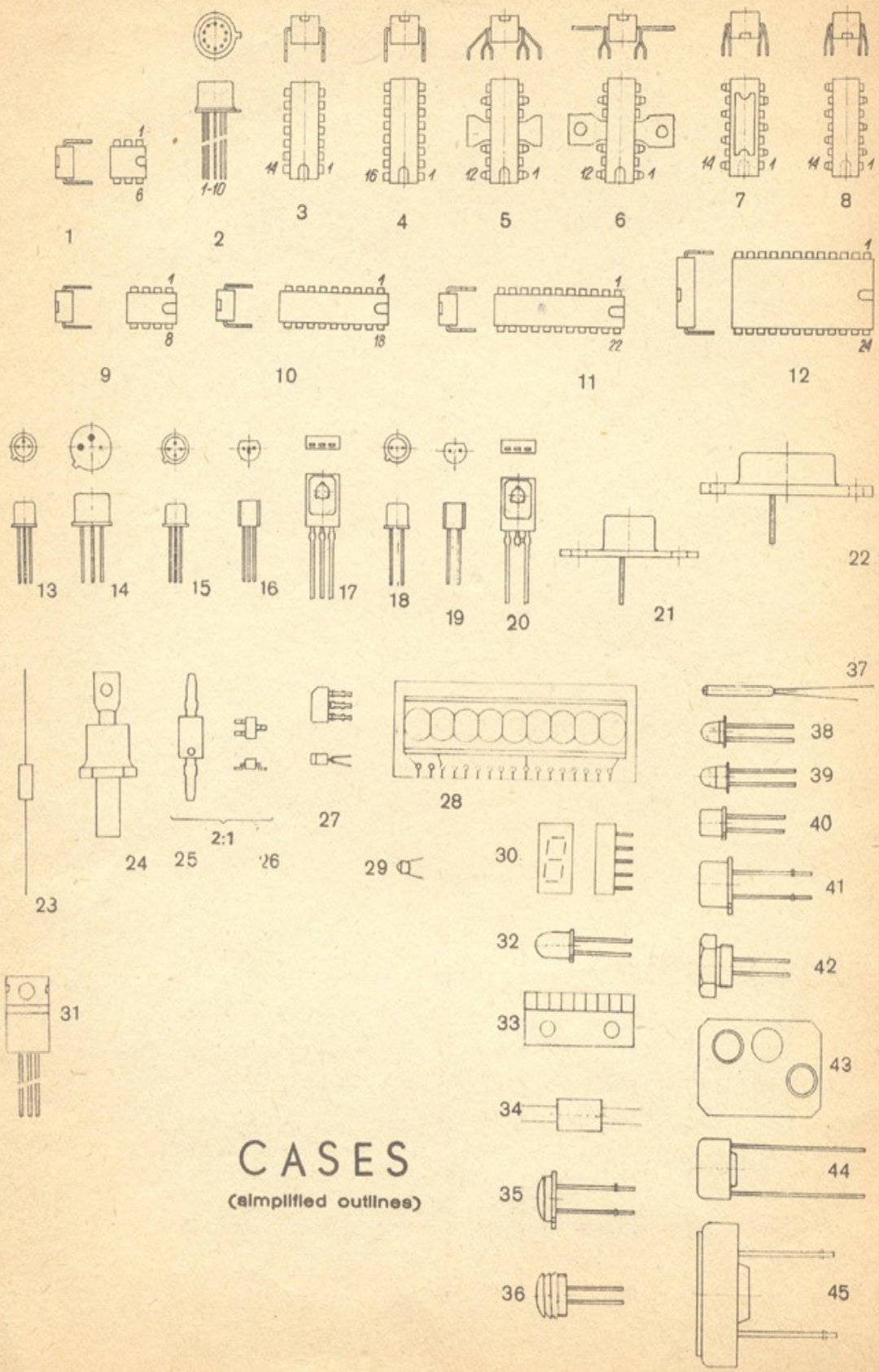
We hope it will be useful for You.

Sincerely

Unitra-Cemi



82/83



CASES
(simplified outlines)

1. DIODES and THYRISTORS

Type	KTM 1156-	Case	Main destination
BA 152 P	- 121202004	17	for circuit switching
BA 157	112205000	23	for fast/low power rectifiers
BA 158	112206001	23	
BA 159	112207002	23	
BA 182	121301003	17	UHF band selectors
BAE 795	131301009	26	
BAE 795/R/	131304001	26	for hybrid circuits
BAE 895	131302000	26	
BAE 995	131303000	26	

Type	KTM 1156-	Case	Main destination
BAP 794	-131309006	17	
BAP 794 A	131310006	17	general purpose switching diodes
BAP 795	131307004	17	
BAP 795 A	131308005	17	
BAP 811	141301004	16	forward voltage regulators
BAP 812	141302005	16	
BAR 99	131311007	26	
BAR 99/R/	131312008	26	for hybrid circuits
BAV 70	111313009	26	
BAVO 10	111317000	23	high quality switching diode
BAVP 17	132501000	23	
BAVP 18	132502000	23	general purpose switching diode
BAVP 19	132503001	23	
BAVP 20	132504002	23	
BAVP 21	132505003	23	
BAW 56	131314000	26	for hybrid circuits
BAYP 61	132506004	23	
BAYP 95	132509007	23	for fast switching
BAYP 95 A	132510007	23	
BB 104	151301000	27	
BB 104 B	151301025	27	UHF dual varicaps
BB 104 G	151301012	27	
BB 105 A	151302013	25	
BB 105 AD	151302000	25	
BB 105 B	151302026	25	VHF/UHF varicaps
BB 105 G	151302039	25	
BB 105 GD	151302041	25	
BTP 128-400	421201000	31	
BTP 128-550	421201012	31	high speed thyristors integrated with diodes
BTP 129-650	421202000	31	
BTP 129-750	421202013	31	
BYP 150-50	112208003	23	
BYP 150-100	112208016	23	
BYP 150-225	112208029	23	for fast/low power rectifiers
BYP 150-300	112208031	23	
BYP 150-400	112208044	23	
BYP 150-600	112208031	23	

Type	KTM 1156-	Case	Main destination	
BYP 155-350		23	fast soft-recovery diodes	
BYP 155-600		23		
BYP 350-8K	- 111901001	23	for fast high voltage rectifiers	
BYP 350-12K	111901014	23		
BYP 350-16K	111901027	23		
BYP 401-50	112203009	23		
BYP 401-100	112203011	23		
BYP 401-200	112203024	23		
BYP 401-400	112203037	23		1 A rectifier diodes
BYP 401-600	112203040	23		
BYP 401-800	112203052	23		
BYP 401-1000	112203065	23		
BYP 671-350		31	fast soft-recovery diodes	
BYP 671-350R		31		
BYP 680-50	112201007	24	5 A rectifier diodes	
BYP 680-50/R/	112202008	24		
BYP 680-100	112201010	24		
BYP 680-100/R/	112202010	24		
BYP 680-300	112201022	24		
BYP 680-300/R/	112202023	24		
BYP 680-500	112201035	24		
BYP 680-500/R/	112202036	24		
BYP 680-600	112201048	24		
BYP 680-600/R/	112202049	24		

BZP 630 C 7V5...C33	- 141401...	18	0,25 W Z-diodes
BZP 630 D 8V2...D33	141402...	18	
BZP 650 C 6V8...C33	142301...	20	1,2 W Z-diodes
BZP 650 D 6V8...D33	142302...	20	
BZP 683 C 3V3...C33	142201...	23	0,4 W Z-diodes
BZP 683 D 3V3...D33	142202...	23	
BZP 687-0V75	141403003	18	forward voltage regulator

2. TRANSISTORS (N - npn, P - pnp)

Type		KTM 1156-	Case	Main destination
BC 107	N	- 211401000	13	general purpose
BC 108	N	211402000	13	
BC 109	N	211403000	13	low noise
BC 147	N	211315020	27	general purpose
BC 148	N	211315004	27	
BC 149	N	211316005	27	low noise
BC 157	P	211311000	27	general purpose
BC 158	P	211312001	27	
BC 159	P	211313002	27	low noise
BC 177	P	211406001	13	general purpose
BC 178	P	211407005	13	
BC 179	P	211408006	13	low noise
BC 211	N	221402006	14	general purpose 1 A
BC 211 A	N		14	
BC 237	N	211301002	16	general purpose
BC 238	N	211302003	16	
BC 239	N	211303004	16	low noise
BC 307	P	211308009	16	general purpose
BC 308	P	211309000	16	
BC 309	P	211310000	16	low noise
BC 313	P	221401005	14	general purpose 1 A
BC 337			16	general purpose 0,8 A
BC 338			16	
BC 393	P	223425008	13	for video stage 1,4 A
BC 413	N	211306007	16	low noise
BC 414	N	211307008	16	
BC 527	N	211404002	13	
BC 528	N	211405003	13	general purpose
BC 627	N		16	
BC 628	N		16	
BCE 107	N	211323000	26	
BCE 107/R/	N		26	for hybrid circuits
BCE 108	N	211324001	26	
BCE 108/R/	N		26	

Type		KTM 1156-	Case	Main destination
BCE 109	N	- 211325002	26	↑
BCE 109/R/	N		26	
BCE 177	P	211317006	26	
BCE 177/R/	P	211320008	26	
BCE 178	P	211318007	26	
BCE 178/R/	P	211321009	26	
BCE 179	P	211319008	26	
BCE 179/R/	P	211322000	26	
BCW 29	P	211331007	26	
BCW 29/R/	P	211332008	26	
BCW 30	P	211333009	26	
BCW 30/R/	P	211334000	26	
BCW 31	N	211335000	26	
BCW 31	N	211336001	26	
BCW 32	N	211337002	26	
BCW 32/R/	N	211338003	26	
BCW 33	N	211339004	26	
BCW 33/R/	N	211340004	26	
BCW 69	P	211341005	26	
BCW 69/R/	P	211342006	26	
BCW 70	P	211343007	26	
BCW 70/R/	P	211344008	26	
BCW 71	N	211343007	26	
BCW 71/R/	N	211346000	26	
BCW 72	N	211347000	26	
BCW 72/R/	N	211348001	26	
BCX 17	P		26	
BCX 17/R/	P		26	
BCX 18	P		26	
BCX 18/R/	P		26	
BCX 19	N		26	
BCX 19/R/	N		26	
BCX 20	N		26	
BCX 20/R/	N		26	
BD 135	N	221303000	17	
BD 136	P	221304000	17	

for hybrid circuits

6,5 W power transistors

Type		KTM 1156-	Case	Main destination	
BD 137	N	221305001	17	6,5 W power transistors	
BD 138	P	221306002	17		
BD 139	N	221307003	17		
BD 140	P	221308004	17		
BD 354	N	231401000	21	12,5 W power transistors	
BD 355	P	231402001	21		
BD 643	N		31	62,5 W Power Darlington	
BD 644	P		31		
BD 645	N		31		
BD 646	P		31		
BD 647	N		31		
BD 648	P		31		
BD 649	N		31		
BD 650	P		31		
BDP 279	N	231301003	31		40 W power transistors
BDP 280	P	231022004	31		
BDP 281	N	231303005	31		
BDP 282	P	231304006	31		
BDP 283	N	231305005	31		
BDP 284	P	231306008	31		
BDP 285	N	231307009	31		
BDP 286	P	231307000	31		
BDP 391	N		31		
BDP 392	P		31		
BDP 393	N		31	75 W power transistors	
BDP 394	P		31		
BDP 395	N		31		
BDP 396	P		31		
BDP 491	N		22	125 W power transistors	
BDP 492	P		22		
BDP 493	N		22		
BDP 494	P		22		
BDP 495	N		22		
BDP 496	N		22		
BDY 23	N	232204005	22		87 W power transistors
BDY 24	N	232205006	22		
EDY 25	N	232206007	22		

Type		KTM 1156-	Case	Main destination
BF 167	N	- 213404005	15	for TV IF stages
BF 173	N	213405006	15	
BF 180	N	214401009	15	for UHF amplifiers
BF 181	N	214402000	15	
BF 182	N	214404001	15	for VHF amplifiers and oscillators
BF 183	N	214405002	15	
BF 194	N	214404006	27	for AM/FM IF stages
BF 195	N	214405007	27	
BF 196	N	214406008	27	for TV IF stages
BF 197	N	214407009	27	
BF 200	N	214403000	15	for VHF amplifiers
BF 214	N	213406007	15	for AM/FM IF stages
BF 215	N	213407008	15	
BF 240	N	213318000	16	N-channel general purpose JFET
BF 241	N	213319000	16	
BF 245/FET/	N	223301000	16	
BF 257	N	223417001	14	high voltage 3 W transistors
BF 258	N	223418002	14	
BF 259	N	223419003	14	for VHF tuners
BF 314	N	213320000	16	
BF 414	P		16	for AM/FM IF stages
BF 440	P	213322002	16	
BF 441	P	213323003	16	high voltage 10 W transistors
BF 457	N	223301000	17	
BF 458	N	223302001	17	high voltage transistors
BF 459	N	223303002	17	
BF 469	N		17	general purpose
BF 470	P		17	
BF 519	N	213401002	13	for hybrid circuits
BF 520	N	213402003	13	
BF 521	N	213403004	13	
BF 619	N	213301005	16	for hybrid circuits
BF 620	N	213302006	16	
BF 621	N	213303007	16	
BFE 214	N	213310002	26	
BFE 214/R/	N	213312004	26	

Type		KTM 1156-	Case	Main destination	
BFE 215	N	-213311003	26	↑ for hybrid circuits	
BFE 215/R/	N	213313005	26		
BFR 30/FET/	N		26		
BFR 31/FET/	N		26		
BFS 18	N	213327007	26		
BFS 18/R/	N	213329009	26		
BFS 19	N	213328008	26		
BFS 19/R/	N	213330009	26		
BSV 52	N	213325005	26		
BSV 52/R/	N	213326006	26		
BU 204	N		22		high voltage power transistors for TV deflection stages
BU 205	N		22		
BU 206	N		22		for switch mode power sources
BU 326	N	232207008	22		
BU 406	N		31	for TV deflection stages	
BU 407	N		31		
BUP 323	N		22	for ignition circuits	
BUYP 52	N	232201002	22	general purpose 50 W transistors	
BUYP 53	N	232202003	22		
BUYP 54	N	232203004	22		

3. LINEAR ICs

Type	KTM 1156-	Case	Main destination
UL 1000L	- 3161011004	2	ring modulator
UL 1101N	311101002	3	two differential amplifiers
UL 1042N	316201001	3	balanced mixer
UL 1102N	311103004	3	two differential amplifiers
UL 1111N	311102003	3	five NPN transistors
UL 1121N	311105006	3	transistor keys
UL 1200N	312304006	4	IF FM full system for HiFi receivers
UL 1202L	312102000	15	IF FM amplifier stage
UL 1211N	213103000	3	IF AM/FM amplifier + AM detector
UL 1221N	213105002	3	IF TV with gated AGC /NPN tuners/
UL 1231N	312106003	3	IF TV with gated AGC /PNP tuners/
UL 1241N	312104001	3	IF FM system
UL 1242	312107004	3	IF FM system with DC audio control
UL 1244N	312301003	3	IF FM system /for LC filters/
UL 1245N	312305007	3	IF FM system /for ceramic filters/
UL 1261N	312108005	3	horizontal combination /for thyristor output/
UL 1262N	312109006	3	horizontal combination /for transistor output/
UL 1265P	212203008	5	vertical deflection system
UL 1321N	314101001	3	double audio preamp + transistor
UL 1401P	314106006	5	1 W power amp
UL 1402P	314107007	5	2 W power amp
UL 1403P	314108008	5	3 W power amp
UL 1440T	314201008	6	10 W power amp
UL 1480P	314109009	5	5 W power amp
UL 1481P	314110009	5	6 W power amp
UL 1481T	314111000	6	6 W power amp
UL 1482K	314203000	8	2 W power amp

Type	KTM 1156-	Case	Main destination
UL 1490N	- 314112000	8	0,65 W power amp
UL 1495N	314116004	7	
UL 1496K	314117018	8	1,2 W power amp
UL 1496R	314117005	7	
UL 1497K	314118019	8	
UL 1497R	314118006	7	
UL 1498K	314119010	8	2,1 W power amp
UL 1498R	314119007	7	
UL 1520L	313201002	15	battery-to-HT converter /tuning diodes voltage/
UL 1540N	313102006	4	multifunction switch mode power source driver
UL 1550L	313101005	18	tuning diodes voltage regulator
UL 1601N	317102001	3	stereodecoder
UL 1611N	317101000	4	
UL 1621N	317201008	4	PLL stereodecoder
UL 1901KI	319101029	8	low power motor speed regulator
UL 1901KII	319101031	8	
UL 1958N	319102004	10	band selector for touch key operation
UL 1959N	319103005	10	
UL 1970N		4	light spot display driver
UL 1980N		10	light bar display driver
UL 7505L	313202003	22	5 V voltage regulator
UL 7512L	313203004	22	12 V voltage regulator
UL 7523N	313204005	3	universal voltage regulator
ULY 7701N	315202006	9	operational amplifier
ULY 7710N	315101008	9	voltage comparator
ULY 7711N	315102009	3	double voltage comparator
ULY 7741N	315201005	9	operational amplifier
ULY 7855N	318201004	9	timer

4. DIGITAL ICs

Type	KTM 1156-	Case	Main destination
<u>MCY74 CMOS family</u>			
MCY 74001BN		3	quad 2-input NOR gate
MCY 74011BN		3	quad 2-input NAND gate
MCY 74013BN		3	dual D flip-flop
MCY 74027BN		4	dual J-K master-slave
MCY 74049UBM		4	hex inverting driver
MCY 74050BN		4	hex noninverting driver
MCY 74069UBM		3	hex inverter
MCY 74071BN		3	quad 2-input OR gate
MCY 74081BN		3	quad 2-input AND gate
MCY 740103BN		4	sync. 8-bit binary counter
<u>UCY74-</u>			
<u>standard TTL family</u>			
UCY 7400N	- 321101008	3	quad 2-input NAND gate
UCY 7401N	321101009	3	quad 2-input NAND gate /open collector/
UCY 7202N	321103000	3	quad 2-input NOR gate
UCY 7403N	321104000	3	quad 2-input NAND gate /open collector/
UCY 7404N	321105001	3	hex inverter
UCY 7406N	321106002	3	hex inverting driver /open collector 30 V/
UCY 7407N	321124007	3	hex noninverting driver /open collector 30 V/
UCY 7408N	321128000	3	quad 2-input AND gate
UCY 7409N	321129001	3	quad 2-input AND gate /open collector/
UCY 7410N	321119003	3	triple 3-input NAND gate
UCY 7416N	321120003	3	hex inverting driver /open collector 30 V/
UCY 7417N	321121004	3	hex noninverting driver /open collector 30 V/
UCY 7420N	321122005	3	dual 4-input NAND gate
UCY 7430N	321123006	3	8-input NAND gate
UCY 7437N	321107003	3	quad 2-input NAND gate /buffer/

Type	KTM 1156-	Case	Main destination
UCY 7438N	-321127000	3	quad 2-input NAND gate /open collector buffer/
UCY 7440N	321108004	3	dual 4-input NAND gate /buffer/
UCY 7442N	322101004	4	BCD-to-decimal decoder
UCY 7447N	322204004	4	BCD-to-7 segment decoder
UCY 7450N	321109005	4	dual 2x2-input AND-OR- INVERT gate /expandable/
UCY 7451N	321111006	3	dual 2x2-input AND-OR- INVERT gate
UCY 7453N	321110005	3	4x2-input AND-OR-INVERT gate /expandable/
UCY 7454N	321112007	3	4x2-input AND-OR-INVERT
UCY 7460N	321125008	3	dual 4-input expander
UCY 7472N	323108007	3	J-K master-slave
UCY 7473N	323109008	3	dual J-K master-slave
UCY 7474N	323110008	3	dual D flip-flop
UCY 7475N	323111009	4	quad D latch
UCY 7476N	323112000	4	dual J-K master-slave
UCY 7483N	323104003	4	4-bit binary full adder
UCY 7485N	322201001	4	4-bit magnitude comparator
UCY 7486N	321118002	3	quad 2-input EX-OR gate
UCY 7490N	323105004	3	decade counter
UCY 7492N	323106005	3	divide-by-12 counter
UCY 7493N	323107006	3	4-bit binary counter
UCY 7495N	324201004	3	4-bit L/R shift register
UCY 74107N	323113000	3	dual J-K master-slave
UCY 74121N	323103002	3	monostable
UCY 74123N	323114602	4	dual retriggerable mono- stable
UCY 74132N	323115002	3	quad 2-input NAND Schmitt trigger
UCY 74145N	322202002	4	BCD-to-decimal decoder /open collector/
UCY 74150N	322205005	12	16-input selector/multi- plexer
UCY 74151N	322102005	4	8-input selector/multi- plexer
UCY 74153N	322103006	4	dual 4-input selector/ multiplexer

Type	KTM 1156-	Case	Main destination
UCY 74154N	- 322206006	12	4-to-16 line decoder/demultiplexer
UCY 74155N	32220	4	dual 2-to-4 line decoder/demultiplexer
UCY 74157N	322207007	4	quad 2-input selector/multiplexer
UCY 74164N	324202005	3	8-bit shift register serial in/parallel out
UCY 74165N	324203006	4	8-bit shift register parallel in/serial out
UCY 74174	323202009	4	hex D flip-flop with clear
UCY 74175	323203000	4	quad D flip-flop with clear
UCY 74180N	322205008	4	8-bit parity checker-generator
UCY 74181N	322203003	12	4-bit ALU
UCY 74182N		4	look-ahead carry generator /for ALU/
UCY 74192N	32201008	4	sync. up/down 4-bit decimal counter
UCY 74193N	323204000	4	sync. up/down 4-bit binary counter
UCY 74194N	324205008	4	4-bit bidirectional universal shift register
UCY 74198N	324204007	12	8-bit parallel-access L/R shift register
UCY 74547N		11	display drivers
UCY 74548N		11	/intended for calculators/
UCY 74549N		11	
UCY 780101N	324301001	4	64-bit RAM
<u>UCY74H /TTL-H/ family</u>			
UCY 74H00N		3	quad 2-input NAND gate
UCY 74H10N		3	triple 3-input NAND gate
UCY 74H40N		3	dual 4-input NAND gate, buffer
UCY 74H50N		3	dual 2 2-input AND-INVERT gate /expandable/
UCY 74H53N		3	4 2-input AND-OR-INVERT gate /expandable/
UCY 74H72N		3	J-K master-slave
UCY 74H74N		3	dual D flip-flop

Type	KTM 1156-	Case	Main destination
<u>UCY74S /TTL-S/ family</u>			
UCY 74S00N		3	quad 2-input NAND gate
UCY 74S03N		3	quad 2-input NAND gate open collector/
UCY 74S10N		3	triple 3-input NAND gate
UCY 74S11N		3	triple 3-input AND gate
UCY 74S20N		3	dual 4-input NAND gate
UCY 74S22N		3	dual 4-input NAND gate /open collector/
<u>UCY74LS /TTL-LS/ family</u>			
UCY 74LS00N		3	quad 2-input NAND gate
UCY 74LS01N		3	quad 2-input NAND gate /open collector/
UCY 74LS02N		3	quad 2-input NOR gate
UCY 74LS03N		3	quad 2-input NAND gate /open collector/
UCY 74LS04N		3	hex inverter
UCY 74LS08N		3	quad 2-input AND gate
UCY 74LS10N		3	triple 3-input NAND gate
<u>UCY75 family</u>			
UCY 75107N	- 330102008	3	dual line receiver
UCY 75108N	330103009	3	dual line receiver with open collector output
UCY 75110N	330101007	3	dual line drivers
UCY 75450N	330104000	3	dual peripheral driver
UCY 75451N		9	dual peripheral driver
UCY 75452N		9	dual peripheral driver

5. DEDICATED MOS ICs

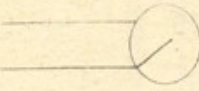
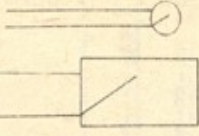
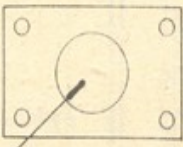

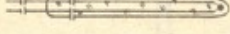
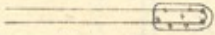
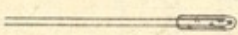
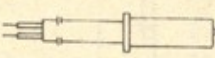
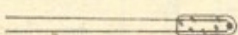


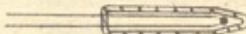
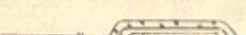

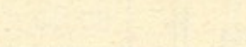
Type	KTM 1156-	Case	Main destination	
MC 1024N		4	remote control transmitter	Analog
MC 1025N		4	remote control receiver	
MCY 7102N		4	1024x1 bit static RAM	Memories
MHB 1902N		4	1024x1 bit static RAM /CMOS/	
MCY 7304N		12	512x8 bit ROM	
MCY 7501N		4	2x1024 bit dynamic shift register	Registers
MCY 7505N		4	1024 bit dynamic shift register	
MCY 7506N		9	2x100 bit shift register	
MC 1201N		-	digital clock for LED display	Clocks
MC 1202N		5	digital watch for LCD display	
MC 1203N		-	digital clock for LCD display	
MC 1210N		-	analog clock drivers	
MCY 1210N		-		
MC 74007N	-329302004	-	8-functions calculator	Calculators
MC 74007J		-		
MC 14008N		-	engineer calculator	
MC 14009N		-	scientific calculator	
MC 14010N		-	memory for 009	
MC 14011N		11	programmer for 009	
MC 14013N		-	standard calculator for LCD display	
MCY 7880N		-	CPU	Microprocessor System
MCY 7851N		-	USART	
MCY 7855N		-	FPI	
UCY 74S424N		4	clock pulse generator	
UCY 74S428N		-	system controller and bidirectional data bus	
UCY 74S438N		-	buffer	
UCY 74S412N		12	I/O PORT	

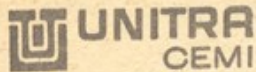
6. OPTOELECTRONIC DEVICES

Type	KTM 1156-	Case	Main destination
CQP 431	- 811304002	40	
CQP 432		40	
CQP 433		40	
CQP 441A		32	
CQP 441B		32	
CQP 441C		32	
CQP 442		32	
CQP 443		32	visible LEDs
CQP 461	811302000	29	
CQP 462	811303001	29	
CQP 463		29	
CQYP 32A	811901003	39	
CQYP 32B		39	
CQYP 33A	811902004	39	
CQYP 33B		39	
CQYP 40A	911903005	39	
CQYP 40B		39	
CQWP 13	811907009	29	
CQWP 15	812901000	38	
CQYP 16	812902000	38	
CQYP 17	812903001	43	infrared LEDs
CQYP 19	812904002	42	
CQYP 20	812905003	42	
CQYP 23	812906008	32	
CQYP 57		33	9 infrared LEDs inline
BPYP 30	192401005	40	
BPYP 35	192402006	40	
BPYP 41	192405009	41	photodiodes
BPYP 44	192404008	40	
BPYP 46		35	
BPRP 22		41	
BPRP 24	242302006	32	phototransistors
BPRP 25		29	

Type	KTM 1156-	Case	Main destination
BPRP 28		38	
BPYP 21	-242502000	37	
BPYP 22	242401002	41	phototransistors
BPYP 24	242301005	39	
BPYP 25	242402003	-	
BPYP 26	242403004	33	9 phototransistors array
CNMP 11		15	
CNMP 22		41	
CNMP 63		1	
CNRP 22		41	
NCSP 16		34	
CNSP 17		15	opto-couplers
CNSP 18		34	
CQ 11BP	900508003	15	
CQ 12BP	900509004	41	
CQ 13BP	900506001	34	
CQ 15BP	900507002	15	
CQ 22BP	900510004	41	
CQVP 31		30	12 mm 7-segment display
CQVP 32		30	
CQYP 74	820901002	30	7 mm 7 segment display
CQYP 75	820902009	30	
CQYP 95	830902009	28	7-segment 9-characters display
RPP 111	118911001	44	
RPP 120	118901003	44	
RPP 121	118902004	44	
RPP 130	118903005	44	
RPP 131	118904006	44	
RPP 135	118905007	44	photoresistors
RPP 333	118909000	41	
RPP 550	118907009	45	
RPYP 63	118908012	41	
RPYP 63F	118908025	41	
RPYP 63W	118908000	36	

7. NTC THERMISTORS

Type	Case	KTM
NTC 110		KTM 11581169..... /code depends on type and resistance/
NTC 111		
NTC 120		
NTC 21		
NTC 210		
NTC 211		
NTC 212		
NTC 213		
NTC 214		
NTC 215		
NTC 216		
NTC 220		
NTC 221		
NTC 230		
NTC 501		



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