

# Development Tool Product List (8-bit)

## ■ KLCS-870(2/2)

Target MCU			Language Tools			Test Tools(RTE System)			Accessories					Notes
Product Name	OTP	Package	Assembler	C-Like Compiler (#1)	C Compiler (#1)	Debugger	Controller	Emulation Pod	MCU Probe (#3,#4)	Shape-Conversion Adapter(#3,#4)	QFP Adapter (#3,#4)	OTP/MCU Mount Adapter	OTP Write Adapter	
**KMP87CH74F	KMP87PM74F	QFP80(14×20)	SW87AE0-ZZE [MS-DOS version] SW87AS0-TPE [UNIX version]	SW87LE0-ZZE [MS-DOS version] SW87LS0-TPE [UNIX version]	SW87CE0-ZZE [MS-DOS version] SW87CS0-TPE [UNIX version]	SW87DE1-ZZE [MS-DOS version] **SW87DW9-ZZE [MS-Windows version]	BM1022R9B [RTE model 10]	BM87CM75F0A	PN120004	-	PN210001	PN210002	BM11120	
**KMP87CH75F	KMP87PM75F	QFP100(14×20)						BM87CM78F0A	PN120005		(PN210004)	PN210005A	BM11124	
KMP87CH78F	KMP87PM78F	QFP100(14×20)						BM87CM14N0A	-		-	-	BM1188	
KMP87CK14F	KMP87PM14F	QFP64(14×20)						BM87CM14N0A	-		PN120007	PN210010	PN210011A	BM1199
KMP87CK14N	KMP87PM14N	SDIP64						BM87CH20F0B	PN120004		-	-	BM1198	
KMP87CK20AF	KMP87PM20F	QFP80(14×20)						BM87CM29U0A	PN120022		PN210001	PN210002	BM1138	
KMP87CK29U	KMP87PM29U	QFP64(10×10)						BM87CM34N0A	-		PN210031	PN210033	BM11117	
KMP87CK34BN	KMP87PM34AN	SDIP42						BM87CM37N0A	PN110005		(PN200006)	-	-	BM1183A
KMP87CK36N	KMP87PM36N							BM87CK40N0B	PN120014		PN210010	PN210011A	BM1137	
KMP87CK40F	KMP87PM40AF	QFP64(14×20)						PN110005	-		-	-	BM1136	
KMP87CK40N	KMP87PM40AN	SDIP64						PN120014	PN210010		PN210011A	BM1137		
KMP87CK41F	KMP87PM41F	QFP64(14×20)						BM87CM41N0A	PN110005		-	-	BM1136	
KMP87CK41N	KMP87PM41N	SDIP64						PN120035	PN210031		PN210033	BM11121		
KMP87CK41U	KMP87PM41U	QFP64(10×10)						BM87CM43N0A	PN100002		(PN200001)	-	-	BM1163
KMP87CK43N	KMP87PM43N	SDIP42						BM87CM78F0A	PN120005		(PN210034)	PN210005A	BM1188	
KMP87CK78F	KMP87PM78F	QFP100(14×20)						BM87CM14N0A	-		PN120007	PN210010	PN210011A	BM1199
KMP87CM14F	KMP87PM14F	QFP64(14×20)						BM87CH20F0B	PN120004		-	-	BM1198	
KMP87CM14N	KMP87PM14N	SDIP64						BM87CH20F0B	PN120004		PN210001	PN210002	BM1138	
KMP87CM20AF	KMP87PM20F	QFP80(14×20)						BM87CP23F0A	PN120006A		PN210007	PN210008	BM1105	
KMP87CM21DF	KMP87PP21DF	QFP80(12×12)						PN120004	PN210001		PN210002	BM1104		
KMP87CM21F	KMP87PP21F	QFP80(14×20)						PN120005	(PN210004)		PN210005A	BM1185A		
KMP87CM23F	KMP87PP23F	QFP100(14×20)						BM87CP24F0A	PN120013		(PN210022)	PN210023	BM11127	
**KMP87CM24F	**KMP87PP24F	QFP100(14×14)						BM87CM29U0A	PN120022		(PN210031)	PN210033	BM11117	
**KMP87CM29U	KMP87PM29U	QFP64(10×10)						BM87CM34N0A	-		-	-	-	
**KMP87CM34BN	KMP87PM34AN	SDIP42						BM87CM37N0A	PN110005		(PN200006)	-	-	BM1183A
KMP87CM36N	KMP87PM36N							BM87CS38N0A	PN100002		(PN200001)	-	-	BM11112
KMP87CM38N	KMP87PS38N	SDIP64						BM87CS39N0A	PN110005		-	-	-	BM11118
KMP87CM39N	KMP87PS39N							BM87CM40AF	PN120014		PN210010	PN210011A	BM1137	
KMP87CM40AF	KMP87PM40AF	QFP64(14×20)						BM87CK40N0B	PN110005		-	-	BM1136	
KMP87CM40AN	KMP87PM40AN	SDIP64						PN120014	PN210010		PN210011A	BM1137		
KMP87CM41F	KMP87PM41F	QFP64(14×20)						BM87CM41N0A	PN110005		-	-	BM1136	
KMP87CM41N	KMP87PM41N	SDIP64						PN120035	PN210031		PN210033	BM11121		
KMP87CM41U	KMP87PM41U	QFP64(10×10)						BM87CM43N0A	PN100002		(PN200001)	-	-	BM1163
KMP87CM43N	KMP87PM43N	SDIP42						BM87CS39N0A	PN110005		-	-	BM11118	
**KMP87CM45N	KMP87PS39N	SDIP64						BM87CM53F0A	PN120004		(PN210001)	PN210002	BM1104	
**KMP87CM53F	**KMP87PM53F	QFP80(14×20)						BM87CS64F0A	PN120005		(PN210004)	PN210005A	BM1185A	
KMP87CM64F	KMP87PS64F	QFP100(14×20)						BM87CK70F0B	PN120004		PN210001	PN210002	BM1150B	
KMP87CM70BF	KMP87PM70F	QFP80(14×20)						BM87CM75F0A	PN120004		-	-	BM11107	
KMP87CM71F	KMP87PS71F							BM87CM75F0A			PN11124			
**KMP87CM75F	KMP87PM75F	QFP100(14×20)						BM87CM78F0A	PN120005		(PN210004)	PN210005A	BM1188	
KMP87CM78F	KMP87PM78F	QFP100(14×20)	BM87CK70F0B	PN120004	PN210001	PN210002	BM11107							
KMP87CN71F	KMP87PS71F		BM87CM78F0A	PN120005	PN210004	PN210005A	BM11124							
KMP87CP23F	KMP87PP23F	QFP100(14×20)	BM87CK70F0B	PN120004	PN210001	PN210002	BM11107							
KMP87CP38N	KMP87PS38N	SDIP42	BM87CP23F0A	PN120005	(PN210004)	PN210005A	BM1185A							
KMP87CP39N	KMP87PS39N	SDIP64	BM87CS38N0A	PN100002	(PN200001)	-	-	BM11112						
KMP87CP64F	KMP87PS64F	QFP100(14×20)	BM87CS39N0A	PN110005	-	-	BM11118							
KMP87CP71F	KMP87PS71F	QFP80(14×20)	BM87CS64F0A	PN120005	PN210004	PN210005A	BM1185A							
KMP87CS38N	KMP87PS38N	SDIP42	BM87CK70F0B	PN120004	PN210001	PN210002	BM11107							
KMP87CS39N	KMP87PS39N	SDIP64	BM87CS38N0A	PN100002	(PN200001)	-	-	BM11112						
KMP87CS64F	KMP87PS64F	QFP100(14×20)	BM87CS39N0A	PN110005	-	-	BM11118							
KMP87CS68DF	KMP87PS68DF	QFP80(12×12)	BM87CS64F0A	PN120005	PN210004	PN210005A	BM1185A							
KMP87CS71F	KMP87PS71F	QFP80(14×20)	BM87CM53F0A	PN120006A	PN210007	PN210008	BM11105							
			BM87CK70F0B	PN120004	PN210001	PN210002	BM11107							

## ■ TLCS-870/X

Target MCU			Language Tools			Test Tools(RTE System)			Accessories					Notes
Product Name	OTP	Package	Assembler	C-Like Compiler (#1)	C Compiler (#1)	Debugger	Controller	Emulation Pod	MCU Probe(#3,#4)	Shape-Conversion Adapter(#3,#4)	QFP Adapter(#3,#4)	OTP/MCU Mount Adapter	OTP Write Adapter	
**TMP88C060F	-	QFP80(12×12)	SW88AE0-ZZE [MS-DOS version] SW88AS0-TPE [UNIX version]	SW88LE0-ZZE [MS-DOS version] SW88LS0-TPE [UNIX version]	SW88CE0-ZZE [MS-DOS version] **SW88CS0-TPE [UNIX version]	SW88DW9-ZZE [MS-Windows version]	BM1055R0A [RTE model 25]	BM88C060F0A	PN120006A	-	PN210007	PN210008	-	
TMP88CK48F	TMP88PS49F	QFP64(14×20)						PN120014	PN210010		PN210011A	BM11111A		
TMP88CK48N	TMP88PS49N	SDIP64						PN110005	-		-	BM11110A		
TMP88CK49F	TMP88PS49F	QFP64(14×20)						PN120014	PN210010		PN210011A	BM11111A		
TMP88CK49N	TMP88PS49N	SDIP64						PN110005	-		-	BM11110A		
TMP88CM48F	TMP88PS49F	QFP64(14×20)						PN120014	PN210010		PN210011A	BM11111A		
TMP88CM48N	TMP88PS49N	SDIP64						PN110005	-		-	BM11110A		
TMP88CM49F	TMP88PS49F	QFP64(14×20)						PN120014	PN210010		PN210011A	BM11111A		
TMP88CM49N	TMP88PS49N	SDIP64						PN110005	-		-	BM11110A		
**TMP88CU74F	**TMP88PU74F	QFP80(14×20)						**BM88CU74F0A	PN120004		(PN210001)	PN210002	BM11131	
**TMP88EH80F	**TMP88WH80F	QFP64(14×20)	**BM88EH80F0A	PN120014	(PN210010)	PN210011A	**BM11119							

\*\* : Under development  
 ★ : Samples available  
 + : This product is covered by the BULL CP8 proprietary patent, US patent No. 4,382,279.  
 #1: Compiler includes assembler system  
 #2: The seventh letter of the product name for the real-time OS is either 0, 1, 2, A or C.  
 0: Object code - 1copy  
 1: Object code - 1000copies  
 2: Object code can be freely copied.  
 A: Source code - 1 copy; object code - 1 copy  
 C: Source code - 1 copy; object code can be freely copied.

#3: The product name in ( ) is a spare part and is available separately. There is one of each emulation pod and emulator.  
 #4: MCU probes and shape-conversion adapters whose product numbers start with PN12 include a QFP adapter.  
 #5: Emulation Technology (ET) product supplied by Micron(contact:+81-33317-9911)  
 #6: Supplied by Yamaichi Denki. (contact: +81-33778-6122)

①: When connecting to the target MCU with a probe, mount a connector on the target MCU or use a PN120003 shape-conversion adapter.

• System names and product names listed are generally registered trademarks of their respective manufacturers.  
 • Software is always supplied in the latest version.  
 • Before purchasing, please confirm the type number, product name etc. with Toshiba or its distributor.

MS-DOS version  
 • This version operates on an IBM PC or compatible that has MS-DOS installed. It also operates on a MS-Windows DOS-compatible box.  
 Assemblers and compilers whose product name has A,C or L as the sixth character require an I386 CPU or higher processor and 4MB or more of memory.  
 • The symbolic and source level debuggers require the I286 CPU or higher processor and 2MB or more of EMS memory.  
 MS-Windows version  
 • Versions whose product name has W as the sixth character will run on an IBM PC or compatible that has MS-Windows 3.1 installed. They will also run number MS-Windows 95.  
 • Versions whose product name has N as the sixth character will run on an IBM PC or compatible that has MS-Windows NT or MS-Windows 95 installed.  
 UNIX version  
 • Products whose product name has S as the sixth character will run on a Sun OS system.  
 • Products whose product name has T as the sixth character will run on a Solaris 2.4 system.