

# Development Tool Product List (4-bit)

## KLCS-470

Target MCU			Language Tools		Test Tools(RTE System)			Accessories					Notes		
Product Name	OTP	Package	Assembler	C-Like 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			
KMP47C215N	KMP47P415VN	SDIP42	SW471E0-ZZE [MS-DOS version]	SW476E0-ZZE [MS-DOS version]	*2	BM1022R0B [RTE model 10]	BM47C415N0A	(PN100002+PN200001)	-	-	-	BM1191			
KMP47C216F	KMP47P416VF	QFP44						IC149-044-039-S5(#6)					BM1192	①	
KMP47C415N	KMP47P415VN	SDIP42						-					BM1191		
KMP47C416F	KMP47P416VF	QFP44						IC149-044-039-S5(#6)					BM1192	①	
KMP47C620DF	KMP47P820VDP	QFP80						PN210001					PN210002	BM1162	
KMP47C640F	KMP47P840VF	QFP44						PN210003					-	BM1172	
KMP47C640N	KMP47P840VN	SDIP42						BM1174+AS-SDIP-QF52S-47C80DF(#5)					BM1174	BM1171	
KMP47C647F	KMP47P847VF	QFP80						-					-	-	
KMP47C655F	KMP47P855VF														PN210001
KMP47C660AF	KMP47P860VF	QFP64						PN210007					PN210010	PN210011A	BM1132
KMP47C660AN	KMP47P860VN	SDIP64						-					-	-	BM1130
KMP47C662AN	KMP47P862VN														BM1128
KMP47C670N	KMP47P870N														BM1107A
KMP47C800F	KMP47P800F	QFP44						AS-SDIP-QF52S-47C80DF(#5)					-	-	BM1111
KMP47C800N	KMP47P800N	SDIP42													BM1108
KMP47C820DF	KMP47P820VDF	QFP80			PN210001	PN210002	BM1162								
KMP47C840F	KMP47P840VF	QFP44			PN210003	PN210002	BM1172								
KMP47C840N	KMP47P840VN	SDIP42			BM1174	BM1171									
KMP47C847F	KMP47P847VF	QFP80			PN210003	PN210001	PN210002		BM1135						
KMP47C850F	KMP47P850VF	QFP64			PN210007	PN210010	PN210011A		BM1165						
KMP47C850N	KMP47P850VN	SDIP64			-	-	BM1161								
KMP47C855F	KMP47P855VF	QFP80			PN210003	PN210001	PN210002		BM1123						
KMP47C858F	-	QFP100			-	-	-								
KMP47C860AF	KMP47P860VF	QFP64			PN210007	PN210010	PN210011A		BM1132						
KMP47C860AN	KMP47P860VN	SDIP64			-	-	-		BM1130						
KMP47C862AN	KMP47P862VN								BM1128						
KMP47C870N	KMP47P870N								BM1107A						
KMP47E885IF	KMP47P885F	QFP44			-	-	-		IC149-044-039-S5(#6)	BM1197	①				
KMP47E885WF								①							

## KLCS-470A

Target MCU			Language Tools		Test Tools(RTE System)			Accessories					Notes			
Product Name	OTP	Package	Assembler	C-Like 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				
KMP47C457F	KMP47P857VF	QFP44	SW471E0-ZZE [MS-DOS version]	SW476E0-ZZE [MS-DOS version]	*1	BM1020A [RTE]	BM47C857N0A	(PN100002+PN200001)	AS-SDIP-QF52S-47C80DF(#5)	-	-	BM1121				
KMP47C457N	KMP47P857VN	SDIP42						BM1120								
KMP47C623F	KMP47P823VF	QFP64						PN210010	PN210011A				BM1146			
KMP47C637N	KMP47P1637VN	SDIP42						-	-				BM1168			
KMP47C823F	KMP47P823VF	QFP64						PN210010	PN210011A				BM1146			
KMP47C837N	KMP47P1637VN	SDIP42						-	-				-			
KMP47C853F	KMP47P853VF	QFP44												AS-SDIP-QF52S-47C80DF(#5)	BM1121	
KMP47C853N	KMP47P853VN	SDIP42												-	BM1120	
KMP47C857F	KMP47P857VF	QFP44						AS-SDIP-QF52S-47C80DF(#5)	BM1121							
KMP47C857N	KMP47P857VN	SDIP42						-	BM1120							
KMP47C1220F	KMP47P1620VF	QFP80						PN210010	PN210002				BM1162			
KMP47C1237N	KMP47P1637VN	SDIP42						-	-				-			
KMP47C1238AN	KMP47P1638VN	SDIP54												BM1168		
KMP47C1260F	KMP47P1660VF	QFP64												PN210010	PN210011A	BM1132
KMP47C1260N	KMP47P1660VN	SDIP64												BM1130		
KMP47C1270AN	KMP47P1670VN				BM1133											
KMP47C1620F	KMP47P1620VF	QFP80			PN210010	PN210002	BM1162									
KMP47C1637N	KMP47P1637VN	SDIP42			PN210010	PN210002	BM1168									
KMP47C1638AN	KMP47P1638VN	SDIP54			-	-	BM1169									
KMP47C1660F	KMP47P1660VF	QFP64			PN210010	PN210011A	BM1132									
KMP47C1660N	KMP47P1660VN	SDIP64			BM1130											
KMP47C1670AN	KMP47P1670VN				BM1133											
KMP47C1670AN	KMP47P1670VN				BM1133											

\*\*: 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: SW447E0-ZZE[Source level debugger][MS-DOS version]  
 SW473E0-ZZE[Symbolic debugger][MS-DOS version]  
 \*2: SW447E1-ZZE[Source level debugger][MS-DOS version]  
 SW473E1-ZZE[Symbolic debugger][MS-DOS version]  
 \*3: BM1020A[RTE]  
 \*4: BM1022R0B[RTE model 10]  
 ①: PN120019 includes an OPT/MCU mount adapter (IC149-044-39-85)

• 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.