

Optional product list of IECUBE for 78K0

We ended sales of the IECUBE set (main unit, socket, and other items) at the end of May 2015.

If you wish to purchase the product, please separately purchase the main IECUBE unit (QB-xxxxxx-ZZZ), socket, and other required items.

Each link on product number is set with the URL for User's manual document.

Click here for information about [\[Power-supply adapter QB-COMMON-PW-xx\]](#) (optional).

MCU	Package	IECUBE main unit	Socket Set			Emulation Probe	Option		
			Exchange Adapter	YQ Connector	Target Connector		Mount Adapter	Space Adapter	
78K0/KB1	30-pin SSOP (7.62 mm(300))	QB-78K0KX1H-ZZZ *1	QB-30MC-EA-01T*1	QB-30MC-YQ-01T*1	QB-30MC-NQ-01T*1	QB-80-EP-01T	QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2	
78K0/KC1	44-pin LQFP (10x10)		QB-44GB-EA-01T*1	QB-44GB-YQ-01T	QB-44GB-NQ-01T		QB-44GB-HQ-01T	QB-44GB-YS-01T*1 YQSOCKET044SAN*2	
78K0/KD1	52-pin LQFP (10x10)		QB-52GB-EA-01T*1	QB-52GB-YQ-01T*1	QB-52GB-NQ-01T*1		QB-52GB-HQ-01T*1	QB-52GB-YS-01T*1 YQSOCKET052SBN*2	
78K0/KE1	64-pin LQFP (10x10)		QB-64GB-EA-01T*1	QB-64GB-YQ-01T	QB-64GB-NQ-01T		QB-64GB-HQ-01T	QB-64GB-YS-01T*1 YQSOCKET064SDN*2	
	64-pin TQFP (14x14)		QB-64GC-EA-01T*1	QB-64GC-YQ-01T	QB-64GC-NQ-01T		QB-64GC-HQ-01T	QB-64GC-YS-01T YQSOCKET064SAN*2	
	64-pin LQFP (12x12)		QB-64GK-EA-01T*1	QB-64GK-YQ-01T	QB-64GK-NQ-01T		QB-64GK-HQ-01T <small>Note1</small>	QB-64GK-YS-01T*1 YQSOCKET064SBN*2	
78K0/KF1	80-pin LQFP (14x14)		QB-80GC-EA-01T*1	QB-80GC-YQ-01T	QB-80GC-NQ-01T		QB-80GC-HQ-01T	QB-80GC-YS-01T*1 YQSOCKET080SBN*2	
	80-pin TQFP (12x12)		QB-80GK-EA-01T*1	QB-80GK-YQ-01T	QB-80GK-NQ-01T		QB-80GK-HQ-01T	QB-80GK-YS-01T*1 YQSOCKET080SDN*2	
78K0/DE2	64-pin LQFP (10x10)		QB-78K0DX2-ZZZ*1	QB-64GB-EA-10T*1	QB-64GB-YQ-01T		QB-64GB-NQ-01T	QB-64GB-HQ-01T	QB-64GB-YS-01T*1 YQSOCKET064SDN*2
78K0/DF2	80-pin LQFP (12x12)			QB-80GK-EA-01T*1	QB-80GK-YQ-01T		QB-80GK-NQ-01T	QB-80GK-HQ-01T	QB-80GK-YS-01T*1 YQSOCKET080SDN*2
78K0/KB2	30-pin SSOP (7.62(300))	QB-78K0KX2-ZZZ*1	QB-30MC-EA-02T*1	QB-30MC-YQ-01T*1	QB-30MC-NQ-01T*1	QB-80-EP-01T	QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2	
	36-pin FLGA (4x4)		QB-36FC-EA-01T*1	Note2	QB-36FC-NQ-01T*1		Note2	Note2	
78K0/KC2	38-pin SSOP (7.62(300))		QB-38MC-EA-01T*1	QB-38MC-YQ-01T*1	QB-38MC-NQ-01T*1		QB-38MC-HQ-01T*1	QB-38MC-YS-01T*1 YSSOCKET38BKN*2	
	44-pin LQFP (10x10)		QB-44GB-EA-03T*1	QB-44GB-YQ-01T	QB-44GB-NQ-01T		QB-44GB-HQ-01T	QB-44GB-YS-01T*1 YQSOCKET044SAN*2	
	48-pin LQFP (7x7)		QB-48GA-EA-02T*1	QB-48GA-YQ-01T	QB-48GA-NQ-01T		QB-48GA-HQ-01T	QB-48GA-YS-01T*1 YQSOCKET048SDN*2	
78K0/KD2	52-pin LQFP (10x10)		QB-52GB-EA-02T*1	QB-52GB-YQ-01T*1	QB-52GB-NQ-01T*1		QB-52GB-HQ-01T*1	QB-52GB-YS-01T*1 YQSOCKET052SBN*2	
78K0/KE2	64-pin LQFP (10x10)		QB-64GB-EA-04T	QB-64GB-YQ-01T	QB-64GB-NQ-01T		QB-64GB-HQ-01T	QB-64GB-YS-01T*1 YQSOCKET064SDN*2	
	64-pin LQFP (14x14)		QB-64GC-EA-03T*1	QB-64GC-YQ-01T	QB-64GC-NQ-01T		QB-64GC-HQ-01T	QB-64GC-YS-01T YQSOCKET064SAN*2	
	64-pin LQFP (12x12)		QB-64GK-EA-04T	QB-64GK-YQ-01T	QB-64GK-NQ-01T		QB-64GK-HQ-01T	QB-64GK-YS-01T*1 YQSOCKET064SBN*2	
	64-pin TQFP (7x7)		QB-64GA-EA-01T*1	QB-64GA-YQ-01T	QB-64GA-NQ-01T*1		QB-64GA-HQ-01T*1	QB-64GA-YS-01T*1 YQSOCKET064SEN*2	
	64-pin FLGA (5x5)	QB-64FC-EA-01T*1	Note2	QB-64FC-NQ-01T*1	Note2	Note2			
	64-pin FLGA (4x4)	QB-64F1-EA-03T*1	Note2	QB-64F1-NQ-01T	Note2	Note2			
78K0/KF2	80-pin LQFP (14x14)	QB-80GC-EA-01T*1	QB-80GC-YQ-01T	QB-80GC-NQ-01T	QB-80GC-HQ-01T	QB-80GC-YS-01T*1 YQSOCKET080SBN*2			
	80-pin LQFP (12x12)	QB-80GK-EA-01T*1	QB-80GK-YQ-01T	QB-80GK-NQ-01T	QB-80GK-HQ-01T	QB-80GK-YS-01T*1 YQSOCKET080SDN*2			
uPD78F8032	48-pin TQFP (7x7)	QB-78K0KX2-ZZZ*1	QB-78F8032-EA-01T*1	QB-48GA-YQ-01T	QB-48GA-NQ-01T	QB-80-EP-01T	QB-48GA-HQ-01T	QB-48GA-YS-01T*1 YQSOCKET048SDN*2	
uPD78F8077	64-pin WQFN (9x9)		QB-78F8077-EA-01T*1	-	QB-64K8-NQ-01T*1	QB-80-EP-01T	-	-	

*1 Discontinued product

*2 Buy the product : manufactured by Tokyo Eletech Corporation

Notes:

1: This product is used when target MCU is uPD78F0138HD.

2: In configuration with MCU of 36-pin FLGA or 64-pin FLGA; YQ connectors, space adapters, and mount adapters are not used.

3: In configuration with MCU of less than 30-pin; YQ connectors, space adapters, and mount adapters are not used.

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MCU	Package	IECUBE main unit	Socket Set				Option			
			Exchange Adapter	YQ Connector	Target Connector	Emulation Probe	Mount Adapter	Space Adapter		
78K0/KB2-A	30-pin SSOP (7.62(300))	QB-78F0593-ZZZ *1	QB-30MC-EA-02T*1	QB-30MC-YQ-01T*1	QB-30MC-NQ-01T*1	QB-80-EP-01T	QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2		
78K0/KC2-A	36-pin FLGA (4x4)		QB-36FC-EA-02T*1	Note3	QB-36FC-NQ-01T*1		Note3	Note3		
78K0/KC2-A	48-pin LQFP (7x7)		QB-48GA-EA-06T*1	QB-48GA-YQ-01T	QB-48GA-NQ-01T		QB-48GA-HQ-01T	QB-48GA-YS-01T*1 YQSOCKET048SDN*2		
78K0/KC2-C	48-pin LQFP (7x7)	QB-78K0KX2C-ZZZ*1	QB-48GA-EA-02T*1	QB-48GA-YQ-01T	QB-48GA-NQ-01T	QB-80-EP-01T	QB-48GA-HQ-01T	QB-48GA-YS-01T*1 YQSOCKET048SDN*2		
78K0/KE2-C	64-pin LQFP (10x10)		QB-64GB-EA-04T	QB-64GB-YQ-01T	QB-64GB-NQ-01T		QB-64GB-HQ-01T	QB-64GB-YS-01T*1 YQSOCKET064SDN*2		
78K0/KY2-L	16-pin SSOP (5.72mm(225))	QB-78K0KX2L-ZZZ*1	QB-78K0KY2L-EA-01T*1	Note3	QB-16GR-NQ-01T*1	QB-80-EP-01T	Note3	Note3		
78K0/KA2-L	20-pin SSOP (7.62mm(300))		QB-78K0KA2L-EA-01T*1	Note3	QB-20MC-NQ-01T		Note3	Note3		
78K0/KA2-L	25-pin LGA (3x3)		QB-78K0KA2L-EA-03T*1	Note3	QB-25LA-NQ-01T		Note3	Note3		
78K0/KB2-L	30-pin SSOP (7x7)		QB-78K0KB2L-EA-01T*1	QB-30MC-YQ-01T*1	QB-30MC-NQ-01T*1		QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2		
78K0/KA2-L	32-pin WQFN (5x5)		QB-78K0KA2L-EA-02T*1	Note3	QB-32K8-NQ-02T*1		Note3	Note3		
78K0/KC2-L	40-pin WQFN (6x6)		QB-78K0KC2L-EA-03T*1	Note3	QB-40K8-NQ-01T*1		Note3	Note3		
78K0/KC2-L	44-pin LQFP (10x10)		QB-78K0KC2L-EA-02T*1	QB-44GB-YQ-01T	QB-44GB-NQ-01T		QB-44GB-HQ-01T	QB-44GB-YS-01T*1 YQSOCKET044SAN*2		
78K0/KC2-L	48-pin LQFP (7x7)		QB-78K0KC2L-EA-01T*1	QB-48GA-YQ-01T	QB-48GA-NQ-01T		QB-48GA-HQ-01T	QB-48GA-YS-01T*1 YQSOCKET048SDN*2		
78K0/IY2	16-pin SSOP (5.72mm(225))		QB-78K0IX2-ZZZ*1	QB-78K0IY2-EA-01T*1	Note3		QB-16GR-NQ-01T*1	QB-80-EP-01T	Note3	Note3
78K0/IA2	20-pin SSOP (7.62mm(300))			QB-78K0IA2-EA-01T*1	Note3		QB-20MC-NQ-01T		Note3	Note3
78K0/IA2	20-pin SOP (7.62mm(300))	QB-78K0IA2-EA-02T*1		Note3	QB-20MC-NQ-02T*1	Note3	Note3			
78K0/IB2	30-pin SSOP (7.62mm(300))	QB-78K0IB2-EA-01T*1		QB-30MC-YQ-01T*1	QB-30MC-NQ-01T*1	QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2			
78K0/IB2	32-pin WQFN (5 x 5)	QB-78K0IB2-EA-02T*1		Note3	QB-32K8-NQ-02T*1	Note3	Note3			
78K0/LE2	64-pin LQFP (10x10 mm)	QB-78K0LX2-ZZZ *1	QB-64GB-EA-07T*1	QB-64GB-YQ-01T	QB-64GB-NQ-01T	QB-144-EP-01S*1 QB-144-EP-02S	QB-64GB-HQ-01T	QB-64GB-YS-01T*1 YQSOCKET064SDN*2		
	64-pin LQFP (12x12 mm)		QB-64GK-EA-05T*1	QB-64GK-YQ-01T	QB-64GK-NQ-01T		QB-64GK-HQ-01T	QB-64GK-YS-01T*1 YQSOCKET064SBN*2		
78K0/LF2 (With AD)	80-pin QFP (14x14 mm)		QB-80GC-EA-04T*1	QB-80GC-YQ-01T	QB-80GC-NQ-01T		QB-80GC-HQ-01T	QB-80GC-YS-01T*1 YQSOCKET080SBN*2		
	80-pin QFP (14x14 mm)		QB-80GK-EA-04T*1	QB-80GK-YQ-01T	QB-80GK-NQ-01T		QB-80GK-HQ-01T	QB-80GK-YS-01T*1 YQSOCKET080SDN*2		
78K0/LF2 (Without AD)	80-pin LQFP (12x12 mm)		QB-80GC-EA-05T*1	QB-80GC-YQ-01T	QB-80GC-NQ-01T		QB-80GC-HQ-01T	QB-80GC-YS-01T*1 YQSOCKET080SBN*2		
	80-pin LQFP (12x12 mm)		QB-80GK-EA-05T*1	QB-80GK-YQ-01T	QB-80GK-NQ-01T		QB-80GK-HQ-01T	QB-80GK-YS-01T*1 YQSOCKET080SDN*2		
78K0/LG2	100-pin LQFP (14x14 mm)		QB-100GC-EA-03T*1	QB-100GC-YQ-01T	QB-100GC-NQ-01T		QB-100GC-HQ-01T	QB-100GC-YS-01T*1 YQSOCKET100SDN*2		

*1 Discontinued product

*2 Buy the product : manufactured by Tokyo Eletech Corporation

Notes:

1: This product is used when target MCU is uPD78F0138HD.

2: In configuration with MCU of 36-pin FLGA or 64-pin FLGA; YQ connectors, space adapters, and mount adapters are not used.

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MCU	Package	IECUBE main unit	Socket Set			Emulation Probe	Option			
			Exchange Adapter	YQ Connector	Target Connector		Mount Adapter	Space Adapter		
78K0/FC2	44-pin LQFP (10x10)	QB-78K0FX2-ZZZ*1	QB-44GB-EA-02T*1	QB-44GB-YQ-01T	QB-44GB-NQ-01T	QB-80-EP-01T	QB-44GB-HQ-01T	QB-44GB-YS-01T*1 YQSOCKET044SAN*2		
	48-pin LQFP (7x7)		QB-48GA-EA-01T*1	QB-48GA-YQ-01T	QB-48GA-NQ-01T		QB-48GA-HQ-01T	QB-48GA-YS-01T*1 YQSOCKET048SDN*2		
78K0/FE2	64-pin LQFP (10x10)		QB-64GB-EA-03T*1	QB-64GB-YQ-01T	QB-64GB-NQ-01T		QB-64GB-HQ-01T	QB-64GB-YS-01T*1 YQSOCKET064SDN*2		
	64-pin LQFP (12x12)		QB-64GK-EA-03T*1	QB-64GK-YQ-01T	QB-64GK-NQ-01T		QB-64GK-HQ-01T	QB-64GK-YS-01T*1 YQSOCKET064SBN*2		
78K0/FF2	80-pin LQFP (14x14)		QB-80GC-EA-01T*1	QB-80GC-YQ-01T	QB-80GC-NQ-01T		QB-80GC-HQ-01T	QB-80GC-YS-01T*1 YQSOCKET080SBN*2		
	80-pin LQFP (12x12)		QB-80GK-EA-01T*1	QB-80GK-YQ-01T	QB-80GK-NQ-01T		QB-80GK-HQ-01T	QB-80GK-YS-01T*1 YQSOCKET080SDN*2		
78K0/FY2-L	16-pin SSOP (5.72mm(225))		QB-78K0FX2L-ZZZ*1	QB-16GR-EA-02T*1	Note3		QB-16GR-NQ-01T*1	QB-80-EP-01T	Note3	Note3
78K0/FA2-L	20-pin SSOP (7.62mm(300))			QB-20MC-EA-02T*1	Note3		QB-20MC-NQ-01T		Note3	Note3
78K0/FB2-L	30-pin SSOP (7.62mm(300))			QB-30MC-EA-07T*1	QB-30MC-YQ-01T*1		QB-30MC-NQ-01T*1		QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2
uPD78F0712	30-pin SSPP (7.62 mm(300))		QB-780714-ZZZ*1	QB-30MC-EA-03T*1	QB-30MC-YQ-01T*1		QB-30MC-NQ-01T*1	QB-80-EP-01T	QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2
uPD78F0714	64-pin LQFP (12x12)	QB-64GK-EA-01T*1		QB-64GK-YQ-01T	QB-64GK-NQ-01T	QB-64GK-HQ-01T	QB-64GK-YS-01T*1 YQSOCKET064SBN*2			
uPD78F0730	30-pin SSO (7.62 mm(300))	QB-780731-ZZZ*1	QB-30MC-EA-01T*1	QB-30MC-YQ-01T*1	QB-30MC-NQ-01T*1	QB-80-EP-01T	QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2		
uPD179F114	30-pin SSOP (7.62mm(300))	QB-179F124-ZZZ*1	QB-30MC-EA-02T*1	QB-30MC-YQ-01T*1	QB-30MC-NQ-01T*1	QB-80-EP-01T	QB-30MC-HQ-01T*1	QB-30MC-YS-01T*1 YSSOCKET30BKN*2		
uPD179F124	38-pin SSOP (7.62mm(300))		QB-38MC-EA-02T*1	QB-38MC-YQ-01T*1	QB-38MC-NQ-01T*1		QB-38MC-HQ-01T*1	QB-38MC-YS-01T*1 YSSOCKET38BKN*2		
78K0/LC3	48-pin LQFP (7x7)	QB-78K0LX3-ZZZ*1	QB-48GA-EA-03T*1	QB-48GA-YQ-01T	QB-48GA-NQ-01T	QB-80-EP-01T	QB-48GA-HQ-01T	QB-48GA-YS-01T*1 YQSOCKET048SDN*2		
78K0/LD3	52-pin LQFP (10x10)		QB-52GB-EA-03T*1	QB-52GB-YQ-01T*1	QB-52GB-NQ-01T*1		QB-52GB-HQ-01T*1	QB-52GB-YS-01T*1 YQSOCKET052SBN*2		
78K0/LE3	64-pin LQFP (10x10)		QB-64GB-EA-09T	QB-64GB-YQ-01T	QB-64GB-NQ-01T		QB-64GB-HQ-01T	QB-64GB-YS-01T*1 YQSOCKET064SDN*2		
	64-pin LQFP (12x12)		QB-64GK-EA-07T*1	QB-64GK-YQ-01T	QB-64GK-NQ-01T		QB-64GK-HQ-01T	QB-64GK-YS-01T*1 YQSOCKET064SBN*2		
	64-pin TQFP (7x7)		QB-64GA-EA-04T*1	QB-64GA-YQ-01T	QB-64GA-NQ-01T*1		QB-64GA-HQ-01T*1	QB-64GA-YS-01T*1 YQSOCKET064SEN*2		
78K0/LF3	80-pin LQFP (14x14)		QB-80GC-EA-01T*1	QB-80GC-YQ-01T	QB-80GC-NQ-01T		QB-80GC-HQ-01T	QB-80GC-YS-01T*1 YQSOCKET080SBN*2		
	80-pin LQFP (12x12)		QB-80GK-EA-01T*1	QB-80GK-YQ-01T	QB-80GK-NQ-01T		QB-80GK-HQ-01T	QB-80GK-YS-01T*1 YQSOCKET080SDN*2		
78K0/LE3-M	64-pin LQFP (10x10)		QB-78K0LX3M-ZZZ*1	QB-78F8053-EA-01T*1	QB-64GB-YQ-01T		QB-64GB-NQ-01T	QB-80-EP-01T	QB-64GB-HQ-01T	QB-64GB-YS-01T*1 YQSOCKET064SDN*2
78K0/LG3-M	100-pin LQFP (14x14)	QB-78F8055-EA-01T*1		QB-100GC-YQ-01T	QB-100GC-NQ-01T	QB-100GC-HQ-01T	QB-100GC-YS-01T*1 YQSOCKET100SDN*2			

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