

Optional product list of IECUBE for RL78 family

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				Option ^{Note1}	
			Exchange Adapter	YQ Connector	Target Connector	Emulation Probe	Mount Adapter	Space Adapter
			Product names in parentheses "(QB-xxxx)" in the list are previous codes. You can use either the new code or the previous code to order a product. Although the previous codes for products are indicated in the illustration on this page, there are no differences in the product itself whether the product code is the previous or the current code.					
RL78/D1A	48-pin LQFP (7x7)	QB-RL78D1A-ZZZ ^{Note2}	QB-48FB-EA-02T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)	QB-144-EP-02S	QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
	64-pin LQFP (10x10)		QB-64FB-EA-02T	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
	80-pin LQFP (12x12)		QB-80FB-EA-02T	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)		QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2
	100-pin LQFP (14x14)		QB-100FB-EA-02T (QB-100GC-EA-09T*1)	QB-100FB-YQ-01T (QB-100GC-YQ-01T)	QB-100FB-NQ-01T (QB-100GC-NQ-01T)		QB-100FB-HQ-01T (QB-100GC-HQ-01T)	QB-100FB-YS-01T*1 (QB-100GC-YS-01T*1) YQSOCKET100SDN*2
	100-pin LQFP (14x14)	QB-RL78D1A2-ZZZ ^{Note3}	QB-100FB-EA-02T (QB-100GC-EA-09T*1)	QB-100FB-YQ-01T (QB-100GC-YQ-01T)	QB-100FB-NQ-01T (QB-100GC-NQ-01T)		QB-100FB-HQ-01T (QB-100GC-HQ-01T)	QB-100FB-YS-01T*1 (QB-100GC-YS-01T*1) YQSOCKET100SDN*2
	128-pin LQFP (14x20)		QB-128FB-EA-02T	QB-128FB-YQ-01T (QB-128GF-YQ-01T*1)	QB-128FB-NQ-01T (QB-128GF-NQ-01T*1)		QB-128FB-HQ-01T (QB-128GF-HQ-01T*1)	QB-128FB-YS-01T*1 (QB-128GF-YS-01T*1) YQSOCKET128RDN*2
RL78/G12	20-pin SSOP (7.62 mm (300))	QB-RL78G13-ZZZ	QB-20SP-EA-04T	QB-20SP-YQ-01T	QB-20SP-NQ-03T	QB-80-EP-01T	QB-20SP-HQ-01T	QB-20SP-YS-01T*1 YSSOCKET20BGN*2
	24-pin WQFN (4x4)		QB-24NA-EA-02S*1	-	QB-24NA-TC-01S*1		-	-
	30-pin SSOP (7.62mm (300))		QB-30SP-EA-01T	QB-30SP-YQ-01T (QB-30MC-YQ-01T*1)	QB-30SP-NQ-01T (QB-30MC-NQ-01T*1)		QB-30SP-HQ-01T (QB-30MC-HQ-01T*1)	QB-30SP-YS-01T*1 (QB-30MC-YS-01T*1) YSSOCKET30BKN*2
RL78/G13	20-pin SSOP (7.62 mm (300))	QB-RL78G13-ZZZ	QB-20SP-EA-01T	-	QB-20SP-NQ-01T (QB-20MC-NQ-01T)	QB-80-EP-01T	-	-
	24-pin WQFN (4x4)		QB-24NA-EA-01S*1	-	QB-24NA-TC-01S*1		-	-
	25-pin FLGA (3x3)		QB-25LA-EA-01T	-	QB-25LA-NQ-01T (QB-25FC-NQ-01T)		-	-
	30-pin SSOP (7.62mm (300))		QB-30SP-EA-01T	QB-30SP-YQ-01T (QB-30MC-YQ-01T*1)	QB-30SP-NQ-01T (QB-30MC-NQ-01T*1)		QB-30SP-HQ-01T (QB-30MC-HQ-01T*1)	QB-30SP-YS-01T*1 (QB-30MC-YS-01T*1) YSSOCKET30BKN*2
	32-pin WQFN (5x5)		QB-32NA-EA-02S*1	-	QB-32NA-TC-01S*1		-	-
	36-pin FLGA (4x4)		QB-36LA-EA-01T	-	QB-36LA-NQ-01T (QB-36FC-NQ-01T*1)		-	-
	40-pin WQFN (6x6)		QB-40NA-EA-01S*1	-	QB-40NA-TC-01S*1 (QB-40K8-TC-01S*1)		-	-
	44-pin LQFP (10x10)		QB-44FP-EA-01T	QB-44FP-YQ-01T (QB-44GB-YQ-01T)	QB-44FP-NQ-01T (QB-44GB-NQ-01T)		QB-44FP-HQ-01T (QB-44GB-HQ-01T)	QB-44FP-YS-01T*1 (QB-44GB-YS-01T*1) YQSOCKET044SAN*2
	48-pin LQFP (7x7)		QB-48FB-EA-01T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
	48-pin WQFN (7x7)		QB-48NA-EA-01S*1	-	QB-48NA-TC-01S*1 (QB-48K8-TC-01S*1)		-	-
	52-pin LQFP (10x10)		QB-52FA-EA-01T	QB-52FA-YQ-01T (QB-52GB-YQ-01T*1)	QB-52FA-NQ-01T (QB-52GB-NQ-01T*1)		QB-52FA-HQ-01T (QB-52GB-HQ-01T*1)	QB-52FA-YS-01T*1 (QB-52GB-YS-01T*1) YQSOCKET052SBN*2
	64-pin LQFP (12x12)		QB-64FA-EA-01T (QB-64GK-EA-04T)	QB-64FA-YQ-01T (QB-64GK-YQ-01T)	QB-64FA-NQ-01T (QB-64GK-NQ-01T)		QB-64FA-HQ-01T (QB-64GK-HQ-01T)	QB-64FA-YS-01T*1 (QB-64GK-YS-01T*1) YQSOCKET064SBN*2
	64-pin LQFP (10x10)		QB-64FB-EA-01T (QB-64GB-EA-04T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
	64-pin FBGA (4x4)		QB-64BG-EA-01T	-	QB-64BG-NQ-01T (QB-64F1-NQ-01T)		-	-
	80-pin LQFP (14x14)		QB-80FA-EA-01T	QB-80FA-YQ-01T (QB-80GC-YQ-01T)	QB-80FA-NQ-01T (QB-80GC-NQ-01T)		QB-80FA-HQ-01T (QB-80GC-HQ-01T)	QB-80FA-YS-01T*1 (QB-80GC-YS-01T*1) YQSOCKET080SBN*2
80-pin LQFP (12x12)	QB-80FB-EA-01T	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)	QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2			

*: Under development

** : Under construction

*1 Discontinued product

*2 Buy the product : manufactured by Tokyo Eletech Corporation

Notes:

1: The QB-144-CA-01 check pin adapter is available for the RL78 Family.

2: QB-RL78D1A-ZZZ supports the following devices.

R5F10CGD,R5F10CGC,R5F10CGB,R5F10DGE,R5F10DGD,R5F10DGC,R5F10CLD,R5F10DLE,R5F10DLD,R5F10CMD,R5F10CME,R5F10DMJ,R5F10DMG,R5F10DMF,R5F10DME,R5F10DMD,R5F10TPJ,R5F10DPG,
R5F10DPF,R5F10DPE,R5F10DPJ

3: QB-RL78D1A2-ZZZ supports the following devices.

R5F10DPL,R5F10DPK,R5F10DSL,R5F10DSK,R5F10DSJ

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

MCU	Package	IECUBE main unit	Socket Set				Option ^{Note1}	
			Exchange Adapter	YQ Connector	Target Connector	Emulation Probe	Mount Adapter	Space Adapter
			Product names in parentheses "(QB-xxxx)" in the list are previous codes. You can use either the new code or the previous code to order a product. Although the previous codes for products are indicated in the illustration on this page, there are no differences in the product itself whether the product code is the previous or the current code.					
RL78/G13	100-pin LQFP (14x14)	QB-RL78G13-ZZZ	QB-100FB-EA-01T	QB-100FB-YQ-01T (QB-100GC-YQ-01T)	QB-100FB-NQ-01T (QB-100GC-NQ-01T)	QB-144-EP-02S	QB-100FB-HQ-01T (QB-100GC-HQ-01T)	QB-100FB-YS-01T*1 (QB-100GC-YS-01T*1) YQSOCKET100SDN*2
	100-pin LQFP (14x20)		QB-100FA-EA-01T	QB-100FA-YQ-01T (QB-100GF-YQ-01T)	QB-100FA-NQ-01T (QB-100GF-NQ-01T)		QB-100FA-HQ-01T (QB-100GF-HQ-01T*1)	QB-100FA-YS-01T*1 (QB-100GF-YS-01T*1) YQSOCKET100RBN*2
	128-pin LQFP (14x20)		QB-128FB-EA-01T	QB-128FB-YQ-01T (QB-128GF-YQ-01T*1)	QB-128FB-NQ-01T (QB-128GF-NQ-01T*1)		QB-128FB-HQ-01T (QB-128GF-HQ-01T*1)	QB-128FB-YS-01T*1 (QB-128GF-YS-01T*1) YQSOCKET128RDN*2
RL78/G14	30-pin SSOP (7.62mm (300))	QB-RL78G14-ZZZ	QB-30SP-EA-03T	QB-30SP-YQ-01T (QB-30MC-YQ-01T*1)	QB-30SP-NQ-01T (QB-30MC-NQ-01T*1)	QB-80-EP-01T	QB-30SP-HQ-01T (QB-30MC-HQ-01T*1)	QB-30SP-YS-01T*1 (QB-30MC-YS-01T*1) YSSOCKET30BKN*2
	32-pin WQFN (5x5)		QB-32NA-EA-01S*1	-	QB-32NA-TC-01S*1		-	-
	32-pin LQFP (7x7)		QB-32FP-EA-01T	QB-32FP-YQ-01T	QB-32FP-NQ-01T		QB-32FP-HQ-01T	QB-32FP-YS-01T*1 YQSOCKET032SAN*2
	36-pin FLGA (4x4)		QB-36LA-EA-01T	-	QB-36LA-NQ-01T (QB-36FC-NQ-01T*1)		-	-
	40-pin WQFN (6x6)		QB-40NA-EA-01S*1	-	QB-40NA-TC-01S*1 (QB-40K8-TC-01S*1)		-	-
	44-pin LQFP (10x10)		QB-44FP-EA-01T	QB-44FP-YQ-01T (QB-44GB-YQ-01T)	QB-44FP-NQ-01T (QB-44GB-NQ-01T)		QB-44FP-HQ-01T (QB-44GB-HQ-01T)	QB-44FP-YS-01T*1 (QB-44GB-YS-01T*1) YQSOCKET044SAN*2
	48-pin LQFP (7x7)		QB-48FB-EA-01T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
	48-pin WQFN (7x7)		QB-48NA-EA-01S*1	-	QB-48NA-TC-01S*1 (QB-48K8-TC-01S*1)		-	-
	52-pin LQFP (10x10)		QB-52FA-EA-01T	QB-52FA-YQ-01T (QB-52GB-YQ-01T*1)	QB-52FA-NQ-01T (QB-52GB-NQ-01T*1)		QB-52FA-HQ-01T (QB-52GB-HQ-01T*1)	QB-52FA-YS-01T*1 (QB-52GB-YS-01T*1) YQSOCKET052SBN*2
	64-pin LQFP (14x14)		QB-64FP-EA-01T	QB-64FP-YQ-01T (QB-64GC-YQ-01T)	QB-64FP-NQ-01T (QB-64GC-NQ-01T)		QB-64FP-HQ-01T (QB-64GC-HQ-01T)	QB-64FP-YS-01T*1 (QB-64GC-YS-01T*1) YQSOCKET064SAN*2
	64-pin LQFP (10x10)		QB-64FB-EA-01T (QB-64GB-EA-04T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
	64-pin LQFP (12x12)		QB-64FA-EA-01T (QB-64GK-EA-04T)	QB-64FA-YQ-01T (QB-64GK-YQ-01T)	QB-64FA-NQ-01T (QB-64GK-NQ-01T)		QB-64FA-HQ-01T (QB-64GK-HQ-01T)	QB-64FA-YS-01T*1 (QB-64GK-YS-01T*1) YQSOCKET064SBN*2
	64-pin FLGA (5x5)		QB-64LA-EA-01T	-	QB-64LA-NQ-01T (QB-64FC-NQ-01T*1)		-	-
	80-pin LQFP (14x14)		QB-80FA-EA-01T	QB-80FA-YQ-01T (QB-80GC-YQ-01T)	QB-80FA-NQ-01T (QB-80GC-NQ-01T)		QB-80FA-HQ-01T (QB-80GC-HQ-01T)	QB-80FA-YS-01T*1 (QB-80GC-YS-01T*1) YQSOCKET080SBN*2
	80-pin LQFP (12x12)		QB-80FB-EA-01T	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)		QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2
100-pin LQFP (14x20)	QB-100FA-EA-01T	QB-100FA-YQ-01T (QB-100GF-YQ-01T)	QB-100FA-NQ-01T (QB-100GF-NQ-01T)	QB-144-EP-02S	QB-100FA-HQ-01T (QB-100GF-HQ-01T*1)	QB-100FA-YS-01T*1 (QB-100GF-YS-01T*1) YQSOCKET100RBN*2		
100-pin LQFP (14x14)	QB-100FB-EA-01T	QB-100FB-YQ-01T (QB-100GC-YQ-01T)	QB-100FB-NQ-01T (QB-100GC-NQ-01T)		QB-100FB-HQ-01T (QB-100GC-HQ-01T)	QB-100FB-YS-01T*1 (QB-100GC-YS-01T*1) YQSOCKET100SDN*2		
RL78/G1A	25-pin FLGA (3x3)	QB-RL78G1A-ZZZ	QB-25LA-EA-02T	-	QB-25LA-NQ-01T	QB-80-EP-01T	-	-
	32-pin WQFN (5x5)		QB-32NA-EA-03S*1	-	QB-32NA-TC-01S*1		-	-
	48-pin LQFP (7x7)		QB-48FB-EA-03T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
	48-pin WQFN (7x7)		QB-48NA-EA-02S*1	-	QB-48NA-TC-01S*1 (QB-48K8-TC-01S*1)		-	-
	64-pin LQFP (10x10)		QB-64FB-EA-03T (QB-64GB-EA-11T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
	64-pin FBGA (4x4)		QB-64BG-EA-02T	-	QB-64BG-NQ-01T (QB-64F1-NQ-01T)		-	-

*: Under development

** : Under construction

*1 Discontinued product

*2 Buy the product : manufactured by Tokyo Eletech Corporation

Notes:

1: The QB-144-CA-01 check pin adapter is available for the RL78 Family.

2: QB-RL78D1A-ZZZ supports the following devices.

R5F10CGD,R5F10CGC,R5F10CGB,R5F10DGE,R5F10DGD,R5F10DGC,R5F10CLD,R5F10DLE,R5F10DLD,R5F10CMD,R5F10CME,R5F10DMJ,R5F10DMG,R5F10DMF,R5F10DME,R5F10DMD,R5F10TPJ,R5F10DPG,
R5F10DPF,R5F10DPE,R5F10DPJ

3: QB-RL78D1A2-ZZZ supports the following devices.

R5F10DPL,R5F10DPK,R5F10DSL,R5F10DSK,R5F10DSJ

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			Exchange Adapter	YQ Connector	Target Connector	Emulation Probe	Mount Adapter	Space Adapter
			Product names in parentheses "(QB-xxxx)" in the list are previous codes. You can use either the new code or the previous code to order a product. Although the previous codes for products are indicated in the illustration on this page, there are no differences in the product itself whether the product code is the previous or the current code.					
RL78/G1C	32-pin WQFN (5x5)	QB-RL78G1C-ZZZ	QB-32NA-EA-04S*1	-	QB-32NA-TC-01S*1	QB-80-EP-01T	-	-
	32-pin LQFP (7x7)		QB-32FP-EA-03T	QB-32FP-YQ-01T	QB-32FP-NQ-01T		QB-32FP-HQ-01T	QB-32FP-YS-01T*1 YQSOCKET032SAN*2
	48-pin WQFN (7x7)		QB-48NA-EA-01S*1	-	QB-48NA-TC-01S*1 (QB-48K8-TC-01S*1)		-	-
	48-pin LQFP (7x7)		QB-48FB-EA-01T (QB-48GA-EA-08T)	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
RL78/G1E	64-pin WQFN (9x9)	QB-RL78G1A-ZZZ	QB-R5F10FLE-EA-01S*1	-	QB-64NA-TC-01S*1	QB-80-EP-01T	-	-
	80-pin LQFP (12x12)		QB-R5F10FME-EA-01T*1	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)		QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2
RL78/G1F	24-pin WQFN (4x4)	QB-RL78G1F-ZZZ	QB-24NA-EA-03S*1	-	QB-24NA-TC-01S*1	QB-80-EP-01T	-	-
	32-pin LQFP (7x7)		QB-32FP-EA-04T	QB-32FP-YQ-01T	QB-32FP-NQ-01T		QB-32FP-HQ-01T	QB-32FP-YS-01T*1 YQSOCKET032SAN*2
	36-pin FLGA (4x4)		QB-36LA-EA-02T	-	QB-36LA-NQ-01T (QB-36FC-NQ-01T*1)		-	-
	48-pin LQFP (7x7)		QB-48FB-EA-01T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
	64-pin LQFP (10x10)		QB-64FB-EA-01T (QB-64GB-EA-04T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
RL78/F12	20-pin SSOP (7.62 mm (300))	QB-RL78F12-ZZZ	QB-20SP-EA-03T	-	QB-20SP-NQ-01T (QB-20MC-NQ-01T)	QB-80-EP-01T	-	-
	30-pin SSOP (7.62mm (300))		QB-30SP-EA-01T	QB-30SP-YQ-01T (QB-30MC-YQ-01T*1)	QB-30SP-NQ-01T (QB-30MC-NQ-01T*1)		QB-30SP-HQ-01T (QB-30MC-HQ-01T*1)	QB-30SP-YS-01T*1 (QB-30MC-YS-01T*1) YSSOCKET30BKN*2
	32-pin WQFN (5x5)		QB-32NA-EA-02S*1	-	QB-32NA-TC-01S*1		-	-
	48-pin LQFP (7x7)		QB-48FB-EA-01T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
	48-pin WQFN (7x7)		QB-48NA-EA-01S*1	-	QB-48NA-TC-01S*1 (QB-48K8-TC-01S*1)		-	-
	64-pin LQFP (10x10)		QB-64FB-EA-01T (QB-64GB-EA-04T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
RL78/F13	20-pin SSOP (7.62 mm (300))	QB-RL78F14-ZZZ	QB-20SP-EA-05T	-	QB-20SP-NQ-01T (QB-20MC-NQ-01T)	QB-80-EP-01T	-	-
	30-pin SSOP (7.62 mm (300))		QB-30SP-EA-04T	QB-30SP-YQ-01T (QB-30MC-YQ-01T*1)	QB-30SP-NQ-01T (QB-30MC-NQ-01T*1)		QB-30SP-HQ-01T (QB-30MC-HQ-01T*1)	QB-30SP-YS-01T*1 (QB-30MC-YS-01T*1) YSSOCKET30BKN*2
	32-pin WQFN (5x5)		QB-32NA-EA-05S*1	-	QB-32NA-TC-01S*1		-	-
	48-pin LQFP (7x7)		QB-48FB-EA-05T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
	48-pin WQFN (7x7)		QB-48NA-EA-03S*1	-	QB-48NA-TC-01S*1 (QB-48K8-TC-01S*1)		-	-
	64-pin LQFP (10x10)		QB-64FB-EA-04T (QB-64GB-EA-09T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
	80-pin LQFP (12x12)		QB-80FB-EA-04T (QB-80GK-EA-10T)	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)		QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2

*: Under development

** : Under construction

*1 Discontinued product

*2 Buy the product : manufactured by Tokyo Eletech Corporation

Notes:

1: The QB-144-CA-01 check pin adapter is available for the RL78 Family.

2: QB-RL78D1A-ZZZ supports the following devices.

R5F10CGD,R5F10CGC,R5F10CGB,R5F10DGE,R5F10DGD,R5F10DGC,R5F10CLD,R5F10DLE,R5F10DLD,R5F10CMD,R5F10CME,R5F10DMJ,R5F10DMG,R5F10DMF,R5F10DME,R5F10DMD,R5F10TPJ,R5F10DPG,
R5F10DPF,R5F10DPE,R5F10DPJ

3: QB-RL78D1A2-ZZZ supports the following devices.

R5F10DPL,R5F10DPK,R5F10DSL,R5F10DSK,R5F10DSJ

Optional product list of IECUBE for RL78 family

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				Option ^{Note1}		
			Exchange Adapter	YQ Connector	Target Connector	Emulation Probe	Mount Adapter	Space Adapter	
			Product names in parentheses "(QB-xxxx)" in the list are previous codes. You can use either the new code or the previous code to order a product. Although the previous codes for products are indicated in the illustration on this page, there are no differences in the product itself whether the product code is the previous or the current code.						
RL78/F14	30-pin SSOP (7.62 mm (300))	QB-RL78F14-ZZZ	QB-30SP-EA-04T	QB-30SP-YQ-01T (QB-30MC-YQ-01T*1)	QB-30SP-NQ-01T (QB-30MC-NQ-01T*1)	QB-80-EP-01T	QB-30SP-HQ-01T (QB-30MC-HQ-01T*1)	QB-30SP-YS-01T*1 (QB-30MC-YS-01T*1) YSSOCKET30BKN*2	
	32-pin SSOP (7.62 mm (300))		QB-32NA-EA-05S*1	-	QB-32NA-TC-01S*1		-	-	
	48-pin LQFP (7x7)		QB-48FB-EA-05T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-80-EP-01T	QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2
	48-pin WQFN (7x7)		QB-48NA-EA-03S*1	-	QB-48NA-TC-01S*1 (QB-48K8-TC-01S*1)			-	-
	64-pin LQFP (10x10)		QB-64FB-EA-04T (QB-64GB-EA-09T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-80-EP-01T	QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
	80-pin LQFP (12x12)		QB-80FB-EA-04T (QB-80GK-EA-10T)	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)			QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2
	100-pin LQFP (14x14)		QB-100FB-EA-02T (QB-100GC-EA-09T*1)	QB-100FB-YQ-01T (QB-100GC-YQ-01T)	QB-100FB-NQ-01T (QB-100GC-NQ-01T)			QB-144-EP-02S	QB-100FB-HQ-01T (QB-100GC-HQ-01T)
RL78/F15	48-pin LQFP (7x7)	QB-RL78F15-ZZZ	QB-48FB-EA-05T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)	QB-80-EP-01T	QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2	
	48-pin WQFN (7x7)		QB-48NA-EA-03S*1	-	QB-48NA-TC-01S*1 (QB-48K8-TC-01S*1)		-	-	
	64-pin LQFP (10x10)		QB-64FB-EA-04T (QB-64GB-EA-09T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-80-EP-01T	QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
	80-pin LQFP (12x12)		QB-80FB-EA-04T (QB-80GK-EA-10T)	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)			QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2
	100-pin LQFP (14x14)		QB-100FB-EA-02T (QB-100GC-EA-09T*1)	QB-100FB-YQ-01T (QB-100GC-YQ-01T)	QB-100FB-NQ-01T (QB-100GC-NQ-01T)			QB-144-EP-02S	QB-100FB-HQ-01T (QB-100GC-HQ-01T)
	144-pin LQFP (20x20)		QB-144FB-EA-01T	QB-144FB-YQ-01T (QB-144GJ-YQ-01T)	QB-144FB-NQ-01T (QB-144GJ-NQ-01T)		QB-144-EP-02S	QB-144FB-HQ-01T (QB-144GJ-HQ-01T)	QB-144FB-YS-01T*1 (QB-144GJ-YS-01T*1) YQSOCKET144SDN*2
RL78/I1A	20-pin SSOP (7.62 mm (300))	QB-RL78I1A-ZZZ	QB-20SP-EA-02T	-	QB-20SP-NQ-02T	QB-80-EP-01T		-	-
	30-pin SSOP (7.62mm (300))		QB-30SP-EA-02T	QB-30SP-YQ-01T (QB-30MC-YQ-01T*1)	QB-30SP-NQ-01T (QB-30MC-NQ-01T*1)		QB-30SP-HQ-01T (QB-30MC-HQ-01T)	QB-30SP-YS-01T*1 (QB-30MC-YS-01T*1) YSSOCKET30BKN*2	
	38-pin SSOP (7.62mm (300))		QB-38SP-EA-01T	QB-38SP-YQ-01T (QB-38MC-YQ-01T)	QB-38SP-NQ-01T (QB-38MC-NQ-01T)		QB-38SP-HQ-01T (QB-38MC-HQ-01T)	QB-38SP-YS-01T*1 (QB-38MC-YS-01T*1) YSSOCKET38BKN*2	
RL78/I1B	80-pin LQFP (12x12)	QB-RL78I1B-ZZZ	QB-80FB-EA-05T	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)	QB-144-EP-02S	QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2	
	100-pin LQFP (14x14)		QB-100FB-EA-01T	QB-100FB-YQ-01T (QB-100GC-YQ-01T)	QB-100FB-NQ-01T (QB-100GC-NQ-01T)		QB-100FB-HQ-01T (QB-100GC-HQ-01T)	QB-100FB-YS-01T*1 (QB-100GC-YS-01T*1) YQSOCKET100SDN*2	
RL78/L12	32-pin LQFP (7x7)	QB-RL78L12-ZZZ	QB-32FP-EA-02T	QB-32FP-YQ-01T	QB-32FP-NQ-01T	QB-80-EP-01T	QB-32FP-HQ-01T	QB-32FP-YS-01T*1 YQSOCKET032SAN*2	
	44-pin LQFP (10x10)		QB-44FP-EA-02T	QB-44FP-YQ-01T (QB-44GB-YQ-01T)	QB-44FP-NQ-01T (QB-44GB-NQ-01T)		QB-44FP-HQ-01T (QB-44GB-HQ-01T)	QB-44FP-YS-01T*1 (QB-44GB-YS-01T*1) YQSOCKET044SAN*2	
	48-pin LQFP (7x7)		QB-48FB-EA-04T	QB-48FB-YQ-01T (QB-48GA-YQ-01T)	QB-48FB-NQ-01T (QB-48GA-NQ-01T)		QB-48FB-HQ-01T (QB-48GA-HQ-01T)	QB-48FB-YS-01T*1 (QB-48GA-YS-01T*1) YQSOCKET048SDN*2	
	52-pin LQFP (10x10)		QB-52FA-EA-02T	QB-52FA-YQ-01T (QB-52GB-YQ-01T*1)	QB-52FA-NQ-01T (QB-52GB-NQ-01T*1)		QB-52FA-HQ-01T (QB-52GB-HQ-01T*1)	QB-52FA-YS-01T*1 (QB-52GB-YS-01T*1) YQSOCKET052SBN*2	
	64-pin LQFP (10x10)		QB-64FB-EA-01T (QB-64GB-EA-04T)	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2	
	64-pin LQFP (12x12)		QB-64FA-EA-01T (QB-64GK-EA-04T)	QB-64FA-YQ-01T (QB-64GK-YQ-01T)	QB-64FA-NQ-01T (QB-64GK-NQ-01T)		QB-64FA-HQ-01T (QB-64GK-HQ-01T)	QB-64FA-YS-01T*1 (QB-64GK-YS-01T*1) YQSOCKET064SBN*2	
	64-pin WQFN (8x8)		*	-	*		-	-	

*: Under development

** : Under construction

*1 Discontinued product

*2 Buy the product : manufactured by Tokyo Eletech Corporation

Notes:

1: The QB-144-CA-01 check pin adapter is available for the RL78 Family.

2: QB-RL78D1A-ZZZ supports the following devices.

R5F10CGD,R5F10CGC,R5F10CGB,R5F10DGE,R5F10DGD,R5F10DGC,R5F10CLD,R5F10DLE,R5F10DLD,R5F10CMD,R5F10CME,R5F10DMJ,R5F10DMG,R5F10DMF,R5F10DME,R5F10DMD,R5F10TPJ,R5F10DPG,
R5F10DPF,R5F10DPE,R5F10DPJ

3: QB-RL78D1A2-ZZZ supports the following devices.

R5F10DPL,R5F10DPK,R5F10DSL,R5F10DSK,R5F10DSJ

Optional product list of IECUBE for RL78 family

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	Product names in parentheses "(QB-xxxx)" in the list are previous codes. You can use either the new code or the previous code to order a product. Although the previous codes for products are indicated in the illustration on this page, there are no differences in the product itself whether the product code is the previous or the current code.				Option ^{Note1}	
			Socket Set			Emulation Probe	Mount Adapter	Space Adapter
			Exchange Adapter	YQ Connector	Target Connector			
RL78/L13	64-pin LQFP (12x12)	QB-RL78L1C-ZZZ	QB-64FA-EA-02T	QB-64FA-YQ-01T (QB-64GK-YQ-01T)	QB-64FA-NQ-01T (QB-64GK-NQ-01T)	QB-144-EP-02S	QB-64FA-HQ-01T (QB-64GK-HQ-01T)	QB-64FA-YS-01T*1 (QB-64GK-YS-01T*1) YQSOCKET064SBN*2
	64-pin LQFP (10x10)		QB-64FB-EA-05T	QB-64FB-YQ-01T (QB-64GB-YQ-01T)	QB-64FB-NQ-01T (QB-64GB-NQ-01T)		QB-64FB-HQ-01T (QB-64GB-HQ-01T)	QB-64FB-YS-01T*1 (QB-64GB-YS-01T*1) YQSOCKET064SDN*2
	80-pin LQFP (14x14)		QB-80FA-EA-02T	QB-80FA-YQ-01T (QB-80GC-YQ-01T)	QB-80FA-NQ-01T (QB-80GC-NQ-01T)		QB-80FA-HQ-01T (QB-80GC-HQ-01T)	QB-80FA-YS-01T*1 (QB-80GC-YS-01T*1) YQSOCKET080SBN*2
	80-pin LQFP (12x12)		QB-80FB-EA-07T	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)		QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2
RL78/L1C	80-pin LQFP (12x12)	QB-RL78L1C-ZZZ	QB-80FB-EA-06T	QB-80FB-YQ-01T (QB-80GK-YQ-01T)	QB-80FB-NQ-01T (QB-80GK-NQ-01T)	QB-144-EP-02S	QB-80FB-HQ-01T (QB-80GK-HQ-01T)	QB-80FB-YS-01T*1 (QB-80GK-YS-01T*1) YQSOCKET080SDN*2
	100-pin LQFP (14x14)		QB-100FB-EA-01T	QB-100FB-YQ-01T (QB-100GC-YQ-01T)	QB-100FB-NQ-01T (QB-100GC-NQ-01T)		QB-100FB-HQ-01T (QB-100GC-HQ-01T)	QB-100FB-YS-01T*1 (QB-100GC-YS-01T*1) YQSOCKET100SDN*2

*: Under development

** : Under construction

*1 Discontinued product

*2 Buy the product : manufactured by Tokyo Eletech Corporation

Notes:

1: The QB-144-CA-01 check pin adapter is available for the RL78 Family.

2: QB-RL78D1A-ZZZ supports the following devices.

R5F10CGD,R5F10CGC,R5F10CGB,R5F10DGE,R5F10DGD,R5F10DGC,R5F10CLD,R5F10DLE,R5F10DLD,R5F10CMD,R5F10CME,R5F10DMJ,R5F10DMG,R5F10DMF,R5F10DME,R5F10DMD,R5F10TPJ,R5F10DPG,
R5F10DPF,R5F10DPE,R5F10DPJ

3: QB-RL78D1A2-ZZZ supports the following devices.

R5F10DPL,R5F10DPK,R5F10DSL,R5F10DSK,R5F10DSJ