Accessories information for R8C, M32R, M16C, 740, and 720 Families

(Excepting for related information for E1, E20 and E100)

- **Converter for IC Packages : Exclusively for M32R Family**
- **Converter for IC Packages : Exclusively for R8C Family**
- **Converter for IC Packages : Exclusively for M16C/Tiny Series**
- **Converter for IC Packages : Exclusively for M16C Family**
- **Converter for IC Packages : Exclusively for H8/300H Tiny Series**
- **Converter for IC Packages : Exclusively for 740 Family 740 Series 75xx Group**
- **Converter for IC Packages : Exclusively for 740 Family**
- **Converter for IC Packages : Exclusively for 4500 Series**
- **General-purpose Product (Pitch Converter Board)**
- **General-purpose Product (for Height Adjustment)**
- **General-purpose Product (for Direction Converting)**
- **General-purpose Product (Dummy ICs and Related)**
- **Standard Pitch (2.54mm) Converter**
- **Protection Board**
- **Temporary Target Board**
- **Oscillator Board**
- **Optional Cable**
- **LCC Socket**

Note: Visit the website (http://www.renesas.com/) for the latest status of products.

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Converter for IC Packages : Exclusively for M32R Family

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M32170T-PTC [Discontinued] Converter for In-circuit Connection (for 32170, 32174 Group)
M32171T-PTC [Discontinued] Converter for In-circuit Connection (for 32171 Group)
M32173T-PTC [Discontinued] Converter for In-circuit Connection (for 32172, 32173 Group)
M32176T-PTC   Converter Board for In-circuit Connection (for 32176 Group)
M32182T2-PTC [Discontinued] Converter for In-circuit Connection (for M32182 Group)
M32186T2-PTC   Converter for In-circuit Connection (for M32185, M32186 Group)
M32192T2-PTC   Converter for In-circuit Connection (for M32192 Group)

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Converter for IC Packages : Exclusively for R8C Family

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R0E521134CFG00   Converter Board for 32-pin 0.8-mm-pitch LQFP (for R8C/10, R8C/11, R8C/12, R8C/13 Group)
R0E521174CSJ00   Converter Board for 20-pin 0.65-mm-pitch LSSOP
                 (for R8C/14, R8C/15, R8C/16, R8C/17, R8C/18, R8C/19, R8C/1A, R8C/1B, R8C/28, R8C/29 Group)
R0E521174CDB00   Converter Board for 20-pin 1.778-mm-pitch SDIP (for R8C/18, R8C/19, R8C/1A, R8C/1B Group)
R0E521237CFK00   Converter Board for 48-pin 0.5-mm-pitch LQFP (for R8C/20, R8C/21, R8C/22, R8C/23 Group)
R0E521258CFJ00   Converter Board for 52-pin 0.65-mm-pitch LQFP (for R8C/24, R8C/25 Group)
R0E521276CFG00   Converter Board for 32-pin 0.8mm pitch LQFP (for R8C/26, R8C/27 Group)
R0E5212L4CFG00   Converter Board for 32-pin 0.8mm pitch LQFP (for R8C/2K, /2L Group)

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Converter for IC Packages : Exclusively for M16C/Tiny Series

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M30260T-48FPD   Converter Board for 48-pin 0.5-mm-pitch LQFP (for M16C/26A Group)

M30263T-42SSB [Discontinued] Converter Board for 42-pin 0.8-mm-pitch SSOP (for M16C/26A Group)

M30290T-80FPD   Converter Board for 80-pin 0.5-mm-pitch LQFP (for M16C/28 Group, M16C/29 Group)

M30291T-64FPD   Converter Board for 64-pin 0.5-mm-pitch LQFP (for M16C/28 Group, M16C/29 Group)

M30280T-85LGF [Discontinued] Converter Board for 85-pin 0.65mm pitch TFLGA (for M16C/28 Group)


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Converter for IC Packages : Exclusively for M16C Family

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M30100T-PTC   Converter for 32-pin 0.8mm-pitch QFP for M30100T-PRB (for M16C/10 Group M30100)

M30102T-PTC   Converter for 48-pin 0.5mm-pitch QFP for M30100T-PRB (for M16C/10 Group M30102)

M30201T-52SP [Discontinued]

Converter for Connecting Pod Probe M30201T-PRB to 52-pin 1.778mm-pitch SDIP (for M30201 Group)

M30201T-56FP [Discontinued]

Converter for Connecting Pod Probe M30201T-PRB to 56-pin 0.65mm-pitch QFP (for M30201 Group)

M30260T-48FPD   Converter Board for 48-pin 0.5-mm-pitch LQFP (for M16C/Tiny Series)

M30262T-PTC   Converter Board for 48 pin 0.5mm pitch QFP (for M16C/26 Group M30262)

M30263T-42SSB Converter Board for 42-pin 0.8mm-pitch SSOP (for M16C/Tiny Series)

M3062PT-80FPB [Discontinued]

Converter Board for 80-pin 0.65mm-pitch QFP (for M16C/60 Series)

M30800T-PTC   Converter for 100-pin 0.65mm-pitch LCC (for M16C family)

M30290T-80FPD   Converter Board for 80-pin 0.5-mm-pitch LQFP (for M16C/Tiny Series)

M30291T-64FPD   Converter Board for 64-pin 0.5-mm-pitch LQFP (for M16C/Tiny Series)

M3T-100LCC-80QSB [Discontinued]

Converter from 100-pin 0.65mm-pitch LCC to 80-pin 0.65mm-pitch QFP (for M16C/60 Series)

M3T-FLX-DCT613 [Discontinued]

Converter for Connecting 100-core Flexible Board FLX100 to M3T-DIRECT80S or M3T-FLX-80QSB (for M16C/60 Series)

M30850T-EPBM [Discontinued]

MCU board for replacing the emulation probe M30850T-EPB (for M32C/80, 84, 85 and 86 Groups)

M3062PT-EPBM [Discontinued]

MCU board for replacing the emulation probe M3062PT-EPB (for M16C/62P)

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Converter for IC Packages : Exclusively for H8/300H Tiny Series

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R0E436049CFJ10   Converter board for 80pin 0.65mm pitch QFP (for H8/36049 Group)
R0E436640CFG20   Converter Board for 64-pin 0.8-mm-pitch QFP
                 (for H8/3664, H8/3694, H8/3687, H8/36064, H8/36087 Group)
R0E436640CFK20   Converter Board for 64-pin 0.5-mm-pitch LQFP
                 (for H8/3664, H8/3694, H8/3687, H8/3672, H8/36014, H8/36064, H8/36087 Group)


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Converter for IC Packages : Exclusively for 740 Family 740 Series 75xx Group

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M37515T-PTC   Converter for 64-core Flexible Board FLX64 (or M3T-64DIP-DMS) to 48-pin 0.5mm-pitch LQFP
                 (for 7515, 7516 Group)
M37530T-PTC   Converter for 42-pin 1.778mm-pitch SDIP to a 40-pin Narrow-pitch Connector
                 (for 7531, 7540, 7542, 7544 Group)
M37530T-PTCB   Converter for 40-pin Narrow-pitch Connector to 32-pin 0.8mm-pitch LQFP
                 (for 7531, 7532, 7534, 7540, 7542, 7544 Group)
M37530T-PTCC   Converter for 42-pin RSS Type Emulator MCU to 32-pin 1.778mm-pitch SDIP
                 (for 7531, 7540, 7542, 7544 Group)
M37532T-PTC   Converter for 42-pin 1.778mm-pitch SDIP to a 40-pin Narrow-pitch Connector (for 7532, 7534 Group)
M3T-FLX-DCT503 [Discontinued]   Board for Converting Pin Assignments to Connect the M37515T-RPD (for 7515 Group)

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Converter for IC Packages : Exclusively for 740 Family

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M38007T-PRB   Converter for 64-pin RSS Type Emulator MCU to 64-pin 0.5, 0.65 and 0.8mm-pitch QFP Target

M38C29T-64FPD   [Discontinued]   Converter from 100-pin RFS Type Emulator MCU to 64-pin 0.5mm-pitch LQFP
(for 38C1, 38C2, 38K0 and 38K2 Group of 38000 Series)

M38C29T-64LCA   [Discontinued]   Converter from 100-pin RFS Type Emulator MCU to 64-pin 0.8mm-pitch QFP
(for 38C1, 38C2, 38K0 and 38K2 Group of 38000 Series)

M38D29T2-RLFS Emulator MCU board (for 38000 Series 38D2 Group)

M38D29T2-RLFS-FP   Emulator MCU board (for 38000 Series 38D2 Group)

M38D29T2-RLFS-HP   Emulator MCU board (for 38000 Series 38D2 Group)

M3T-28DP-WS   Converter for Connecting Emulator Probe to RSS Type MCU (for PC4701 system)

M3T-28DP-WT   Converter for Connecting Emulator Probe to RSS Type Emulator MCU (for PC4701 system/option)

M3T-32LCC-A [Discontinued]   Converter for Connecting Emulator Probe to RFS Type MCU (for PC4701 system/option)

M3T-32LCC-S   Converter for Connecting Emulator Probe to RFS Type MCU (for PC4701 system)

M3T-42DIP-DMS [Discontinued]   Converter for 42-pin RSS Type Emulator MCU to M3T-DCT42B-450 (or M3T-SSOP42B-450)

M3T-64DIP-DMS   Converter for 64-pin RSS Type Emulator MCU to M3T-DUMMY64

PCA4625   Converter for 64-pin RSS Type Emulator MCU to 52-pin 1.778mm-pitch SDIP

PCA4627 [Discontinued]   Converter for 52-pin RSS Type Emulator MCU to 42-pin 1.778mm-pitch SDIP

PCA4650G02 [Discontinued]   Converter for Connecting Emulator Probe to RSS Type Emulator MCU (for PC4600 system)

PCA4906 [Discontinued]   Converter for 42-pin RSS Type Emulator MCU to 32-pin 1.778mm-pitch SDIP

PCA4907 [Discontinued]   Converter for 42-pin RSS Type Emulator MCU to 56-pin 0.8mm-pitch QFP

PCA4912 [Discontinued]   Converter for 42-pin RSS Type Emulator MCU to 32-pin 1.27mm-pitch SOP

PCA4913 [Discontinued]   Converter for 42-pin RSS Type Emulator MCU to 44-pin 0.8mm-pitch QFP

PCA4933   Converter for Connecting Emulator Probe to RFS Type Emulator MCU (for PC4701, compact emulator, and PC4600 systems)

M34282T5-OPT [Discontinued]   MCU Board (for PC4400 Emulator System)


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Converter for IC Packages : Exclusively for 4500 Series

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M34513T-PTCA   Converter for Connecting 32-pin 1.778mm-pitch SDIP (for 4500 Series)

M34513T-PTCB   Converter for Connecting 32-pin 1.778mm-pitch SDIP to 40-core narrow-pitch (for 4500 Series)

M34513T-PTCC   Converter for Connecting 40-core narrow-pitch to 32-pin 0.8mm-pitch LQFP (for 4500 Series)

M34553T-PTCA   50-pin Narrow-Pitch Connector Converter Board for M34552T2-CPE (for 4553, 4556 Group)

M34553T-PTCB   Converter Board for 48-pin 0.5-mm-pitch LQFP for M34552T2-CPE (for 4553 Group)

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General-purpose Product (Pitch Converter Board)

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M3T-80P6-80P6S Converter for 80-pin 0.8mm-pitch LCC to 80-pin 0.65mm-pitch QFP

M3T-100LCC-QSD Converter for 100-pin 0.65mm-pitch LCC to 100-pin 0.5mm-pitch LQFP

M3T-64LCC-QSD Converter for 64-pin 0.8mm-pitch LCC to 64-pin 0.5mm-pitch LQFP

M3T-80LCC-QSD Converter for 80-pin 0.8mm-pitch LCC to 80-pin 0.5mm-pitch QFP

M3T-F160-100NRB Converter Board for Connecting FLX160 to 100-pin 0.65-mm-pitch QFP

M3T-F160-100NSD Converter for 160-core Flexible Board FLX160 to 100-pin 0.5mm-pitch LQFP

M3T-F160-100NSE Converter for 160-core Flexible Board FLX160 to 100-pin 0.4mm-pitch TQFP

M3T-F160-128NRD Converter for 160-core Flexible Board FLX160 to 128-pin 0.5mm-pitch LQFP

M3T-F160-80NRA Converter for 160-core Flexible Board FLX160 to 80-pin 0.5mm-pitch QFP/LQFP

M3T-F160-80NSD Converter for 160-core Flexible Board FLX160 to 80-pin 0.5mm-pitch LQFP

M3T-FLX-100LCC Converter for 100-core Flexible Board FLX100 to 100-pin 0.65mm-pitch LCC

M3T-FLX-100NRB Converter for 100-core Flexible Board FLX100 to 100-pin 0.65mm-pitch QFP

M3T-FLX-100NSD Converter for 100-core Flexible Board FLX100 to 100-pin 0.5mm-pitch LQFP

M3T-FLX-100NSE Converter for 100-core Flexible Board FLX100 to 100-pin 0.4mm-pitch TQFP

M3T-FLX-120NSE [Discontinued] Converter for Connecting 100-core Flexible Board FLX160 to 120-pin 0.4mm-pitch LQFP

M3T-FLX-144NSD Converter for 160-core Flexible Board FLX160 to 144-pin 0.5mm-pitch LQFP

M3T-FLX-144NSE Converter for 160-core Flexible Board FLX160 to 144-pin 0.4mm-pitch TQFP

M3T-FLX-42SPB [Discontinued] Converter for 42-pin 1.778mm-pitch SDIP

M3T-FLX-64NSA Converter for 100-core Flexible Board FLX100 to 64-pin 0.8mm-pitch QFP/LQFP

M3T-FLX-80LCC [Discontinued] Converter for 100-core Flexible Board FLX100 to 80-pin 0.8mm-pitch LCC

M3T-FLX-80NRA Converter for 100-core Flexible Board FLX100 to 80-pin 0.8mm-pitch QFP/LQFP

M3T-FLX-80NSD Converter for 100-core Flexible Board FLX100 to 80-pin 0.5mm-pitch LQFP

M3T-FLX-80QSB [Discontinued]   Converter for 100-core Flexible Board FLX100 to 80-pin 0.65mm-pitch QFP

PCA4687A   Converter for 100-pin 0.65mm-pitch QFP to 100-pin 0.65mm-pitch LCC

PCA4688A   Converter for 80-pin 0.8mm-pitch QFP to 80-pin 0.8mm-pitch LCC

PCA7759   MCU Signal Measurement Board for Renesas Emulator

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General-purpose Product (for Height Adjustment)

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PCA4687B   Converter for 100-pin 0.65mm-pitch LCC to 100-pin 0.65mm-pitch LCC (for Height Adjustment)

PCA4688B   Converter for 80-pin 0.8mm-pitch LCC to 80-pin 0.8mm-pitch LCC (for Height Adjustment)

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General-purpose Product (for Direction Converting)

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M3T-FLX100-R   Board for converting direction by 180°

M3T-FLX100-T   Board for converting direction by 90°

M3T-FLX64-R   Board for converting direction by 180°

M3T-FLX64-T   Board for converting direction by 90°

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General-purpose Product (Dummy ICs and Related)

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M3T-100LCC-DMS [Discontinued]   Converter for 100-pin 0.65mm-pitch LCC to M3T-DUMMY100S
M3T-64LCC-DMS   Converter for 64-pin 0.8mm-pitch LCC to M3T-DUMMY64
M3T-80LCC-DMS   Converter for 80-pin 0.8mm-pitch LCC to M3T-DUMMY80
M3T-DCT42B-450 [Discontinued]   Direct Dummy IC for 42-pin 0.8mm-pitch SSOP
M3T-DIRECT100S [Discontinued]   Direct Dummy IC for 100-pin 0.65mm-pitch QFP
M3T-DIRECT80S [Discontinued]   Direct Dummy IC for 80-pin 0.65mm-pitch SSOP
M3T-DUMMY100S [Discontinued]   Dummy IC for 100-pin 0.65mm-pitch QFP (100P6S-A, 100P6S-E)
M3T-DUMMY64 [Discontinued]   Dummy IC for 64-pin 0.8mm-pitch QFP (64P6N-A)
M3T-DUMMY80 [Discontinued]   Dummy IC for 80-pin 0.8mm-pitch QFP (80P6N-A)
M3T-SSOP36B-450 [Discontinued]   Direct Dummy IC for 36-pin 0.8mm-pitch SSOP
M3T-SSOP42B-450 [Discontinued]   Direct Dummy IC for 42-pin 0.8mm-pitch SSOP

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Standard Pitch (2.54mm) Converter

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PCA4979   Converter from 80-pin 0.65mm-pitch QFP (80P6S-A) to 40-pin DIL Standard-pitch
PCA4981A [Discontinued]   Converter from 80-pin 0.8mm-pitch QFP (80P6-B) to 40-pin DIL Standard Pitch
PCA4981B [Discontinued]   Converter from 80-pin 0.8mm-pitch LCC (80D0) to 40-pin DIL Standard Pitch (with IC Socket)
PCA4981C [Discontinued]   Converter from 80-pin 0.8mm-pitch QFP (80P6N-A) to 40-pin DIL Standard Pitch
PCA4988   Converter from 80-pin 0.8mm-pitch LCC (80D0) to 40-pin DIL Standard Pitch (with LCC Socket)
PCA4989 [Discontinued]
Converter from 80-pin 0.65mm-pitch QFP (80P6S-A) to 40-pin DIL Standard Pitch (Different Pin Layout from the PCA4979)
PCA7750G02   Converter board from 80-pin 0.8mm-pitch LCC (80D0) to 40-pin DIL Standard Pitch
             (with LCC Socket and the Pattern for Oscillator)
PCA7750G02-BARE [Discontinued]
Converter board from 80-pin 0.8mm-pitch QFP (80P6N-A) or LCC (80D0) to 40-pin DIL Standard Pitch
PCA7752AG02   Converter board from 100-pin 0.65mm-pitch LCC (100D0) to 50-pin DIL Standard Pitch (with LCC Socket)
PCA7752AG02-BARE [Discontinued]
Converter board from 100-pin 0.65mm-pitch QFP (100P6S-A) or LCC (100D0) to 50-pin DIL Standard Pitch
PCA7752B   Converter from 100-pin 0.65mm-pitch QFP (100P6S-A) to 50-pin DIL Standard Pitch
PCA7754   Converter from 100-pin 0.5mm-pitch QFP (100P6Q-A) to 50-pin DIL Standard Pitch
PCA7755A   Converter from 64-pin 0.8mm-pitch QFP (64P6N-A) to 32-pin DIL Standard Pitch
PCA7755B   Converter from 64-pin 0.8mm-pitch LCC (64D0) to 32-pin DIL Standard Pitch
PCA7755C   Converter Board from 64-pin QFP (64P6Q) to 32-pin DIL Standard-Pitch (with QFP Socket and Pattern for Oscillator)
PCA7755D   Converter Board from 64-pin QFP (64P6U) to 32-pin DIL Standard-Pitch (with QFP Socket and Pattern for Oscillator)
PCA7756   Converter from 80-pin 0.5mm-pitch QFP (80P6Q-A) to 40-pin DIL Standard Pitch
PCA7757   Converter from 64-pin FLGA (64F0G) to 32-pin DIL Standard Pitch
PCA7758   Converter from 36-pin 0.5mm-pitch QFN (36PJW-A) to 36-pin DIL Standard Pitch

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Protection Board

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R0E330850ACBP0   Protection Board for M16C/60 Series M16C/62P Group and M32C/80 Series Emulator

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Temporary Target Board
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M37450T-ADF   Temporary Target Board for M37451RFS

M37450T-ADS   Temporary Target Board for M37451RSS

M37531T-ADS   Temporary Target Board for M37531RSS, M37532RSS, M37534RSS, M37536RSS, M37540RSS, M37542RSS and M37544RSS

M38007T-ADS   Temporary Target Board for M38007RSS, M38027RSS, M38049RLSS, M38117RSS, M38127RSS, M38807RSS, M38817RSS and M38887RSS

M38067T-ADF   Temporary Target Board for M38067RFS, M38078RFS, M38177RFS, M38207RFS, M38227RFS and M38867RFS

M38187T-ADF   Temporary Target Board for M38187RFS, M38197RFS, M38257RFS, M38267RLFS and M38277RFS

M38517T-ADS   Temporary Target Board for M38517RSS and M38507ARLSS

M38C29T-ADF   Temporary Target Board for M38C29RLFS

M38C89T-ADF [Discontinued]   Temporary Target Board for M38C89RLFS

M38K29T-ADF   Temporary Target Board for M38K09RFS, M38K29RFS


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Oscillator Board
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OSC-2   Oscillator Board (Dumping Resistor Mounting Type)

OSC-3   Oscillator Board (Oscillation Module Mounting Type)

OSC-4   Oscillator Board (8 and 16MHz Selection Type)


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Optional Cable
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M3T-F160-EXTC   Extension Cable for FLX160

R0E001000EXT00 External Trigger Cable for E100 Emulator

R0E001000FLX00 Extension Flexible Cable for E100 Emulator


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LCC Socket
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IC61-0644-052   64-pin LCC Socket (Manually Soldering Type) Made by Yamaichi Electronics Co., Ltd.

IC61-0644-053   64-pin LCC Socket (Mounting Type) Made by Yamaichi Electronics Co., Ltd.

IC61-0644-088   64-pin LCC Socket (Manually Soldering Type) Made by Yamaichi Electronics Co., Ltd.

IC61-080-079   80-pin LCC Socket (Mounting Type) Made by Yamaichi Electronics Co., Ltd.

IC61-080-081   80-pin LCC Socket (Manually Soldering Type) Made by Yamaichi Electronics Co., Ltd.

IC61-0804-046   80-pin LCC Socket (Manually Soldering Type) Made by Yamaichi Electronics Co., Ltd.

IC61-1004-051   100-pin LCC Socket (Manually Soldering Type) Made by Yamaichi Electronics Co., Ltd.