

To our customers,

Old Company Name in Catalogs and Other Documents

On April 1st, 2010, NEC Electronics Corporation merged with Renesas Technology Corporation, and Renesas Electronics Corporation took over all the business of both companies. Therefore, although the old company name remains in this document, it is a valid Renesas Electronics document. We appreciate your understanding.

Renesas Electronics website: <http://www.renesas.com>

April 1st, 2010
Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (<http://www.renesas.com>)

Send any inquiries to <http://www.renesas.com/inquiry>.

RENESAS TECHNICAL UPDATE

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Renesas Technology Corp.

Product Category	Package	Document No.	TN-WRP-A012A/E	Rev.	1.00
Title	Change with the stable supply of trays		Information Category	Packing change	
Applicable Product	Microcomputer, SOC, Memory, MSIG	Lot No.	Reference Document	List of current and new tray List of applicable models:	

1. Purpose

With an increase in production of applicable trays, we have added a new tray mold and added (A) to the model name of the tray. For the stable supply of trays, we have also produced our own trays in place of the commercial trays we have used up to now, and, accordingly, their model names have changed. We have already notified some of our customers of this change. So please forgive us for repeating this notice.

2. Applicable trays

L196-09 → L196-09A : With addition of tray mold, its pocket holes have been narrowed.
 L196-65 → L196-65A : The tray mold has been added only.
 ST-TQ161610TJ-1 → L196-88
 ST-TQ142014TJ-1 → L196-111
 OT-020T-3S(H) → L196-119 } The commercial trays have been changed to our own trays and the pocket holes have been narrowed.

Features:

- These trays are all compatible with existing trays and their mixed use is possible.
- For some trays, the pocket holes have been narrowed based on our new design rules.

3. Time of Implementation

The change will occur sequentially for shipments from January 2009. However, there is a possibility that the change may occur slightly earlier or later than we originally intended because of using the existing trays in stock. In addition, please understand that, from the perspective of resource protection, the old type of reuse trays will be included for a certain period of time.

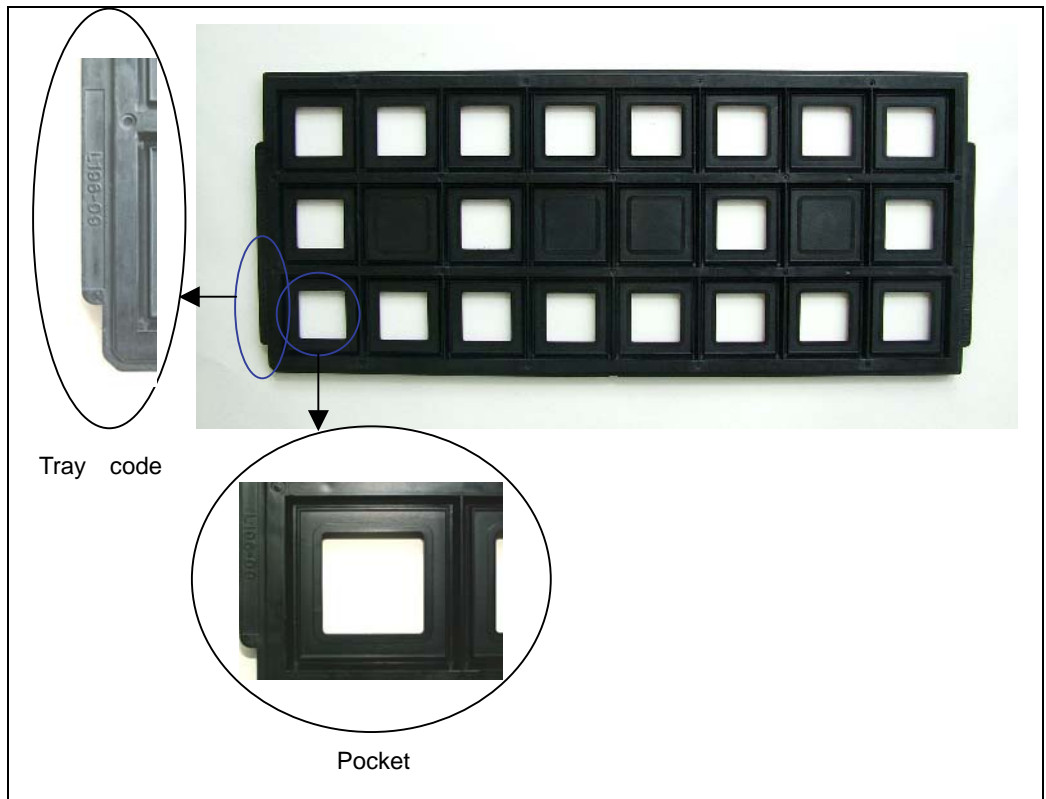
4. Applicable model names

Please refer to the attached list.

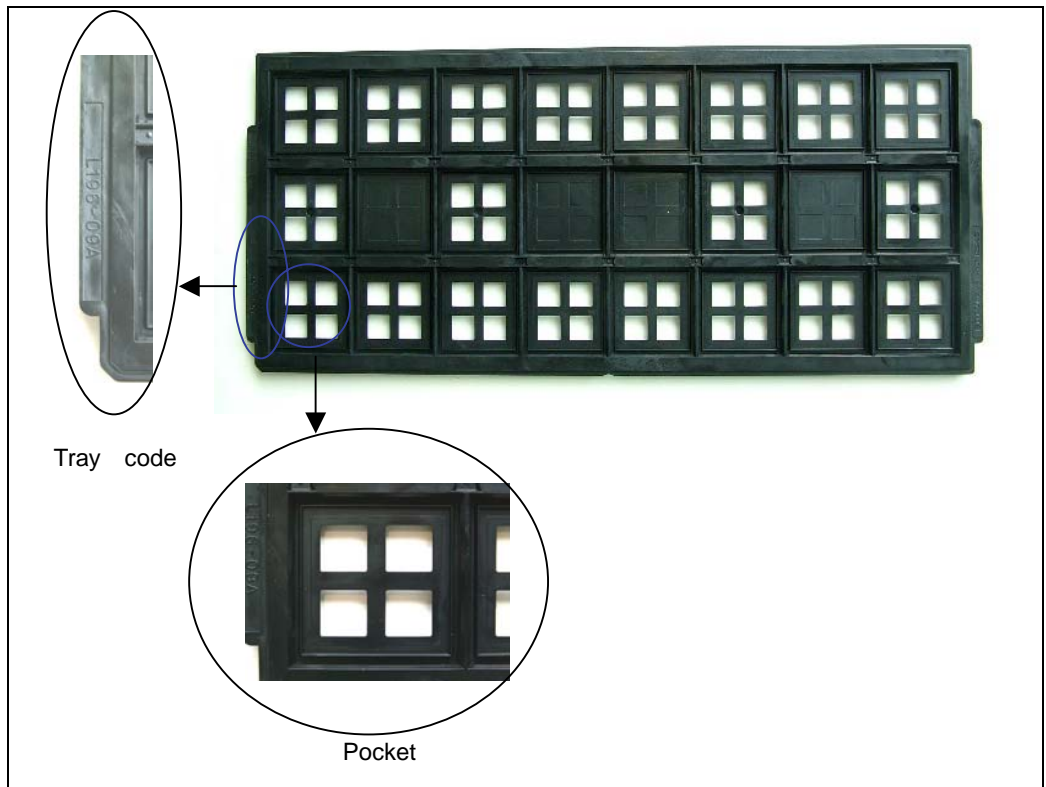
5. Others

Please note that references to trays in our previous Delivery Specifications: Supplementary Items are now replaced by this notice. If you need to revise the present agreed delivery specifications, or if the change involves some disadvantage please contact us by the end of October.

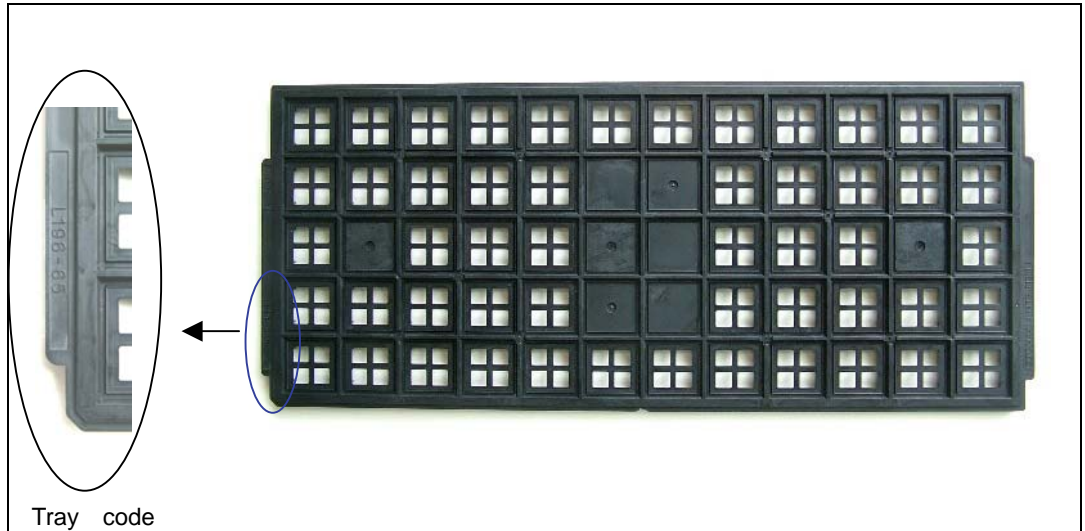
Current (L196-09)



New (L196-09A)



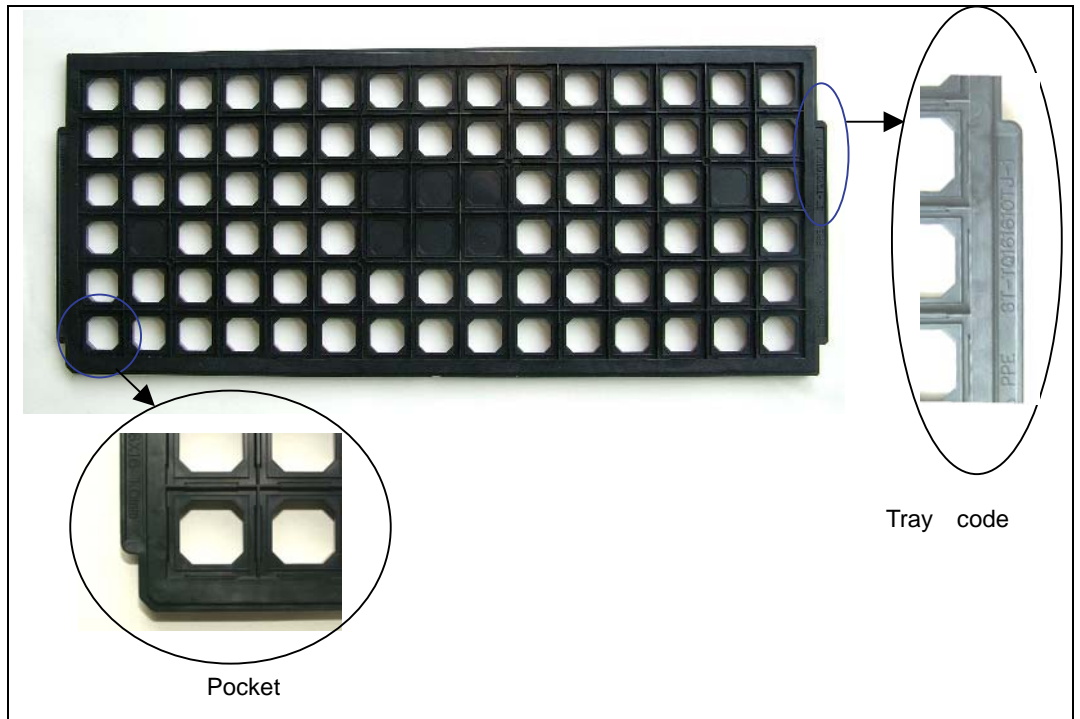
Current (L196-65)



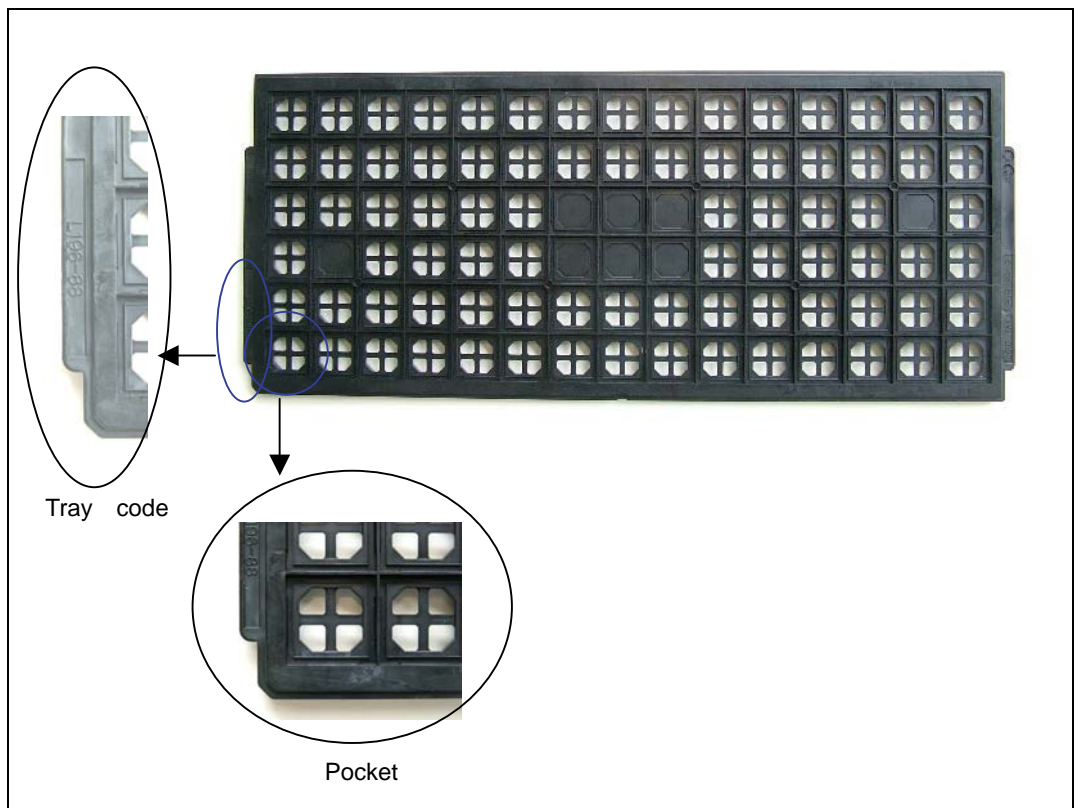
New (L196-65A)



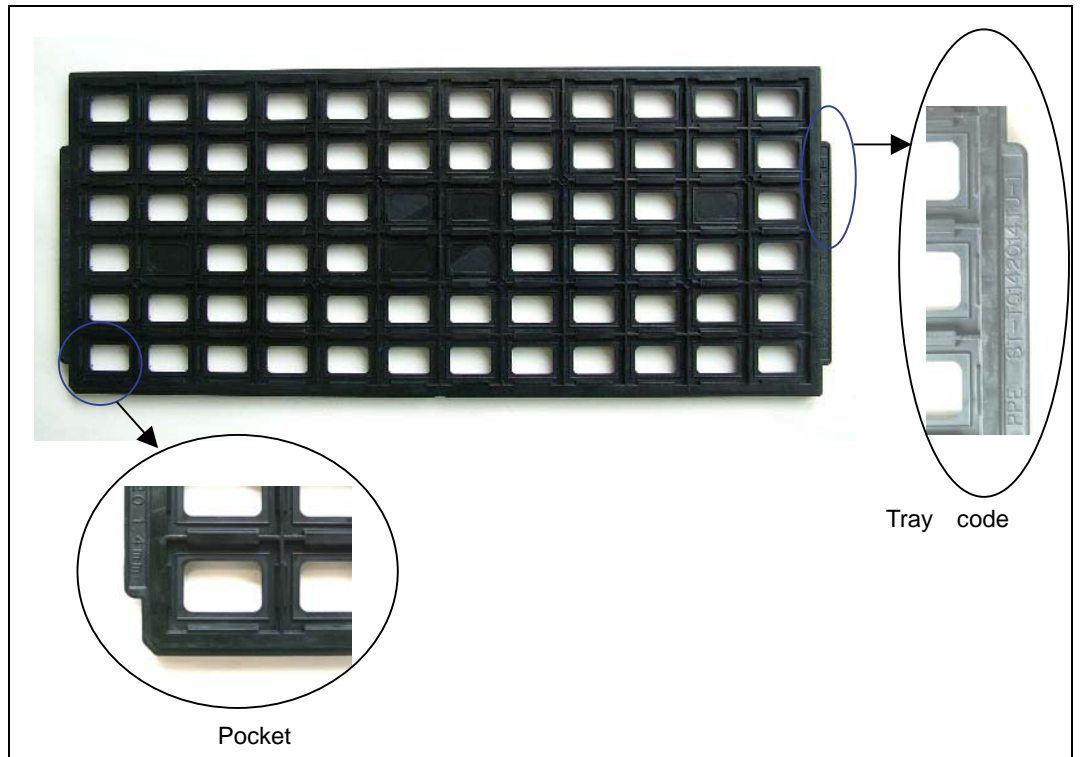
Current
(ST-TQ161610TJ-1)



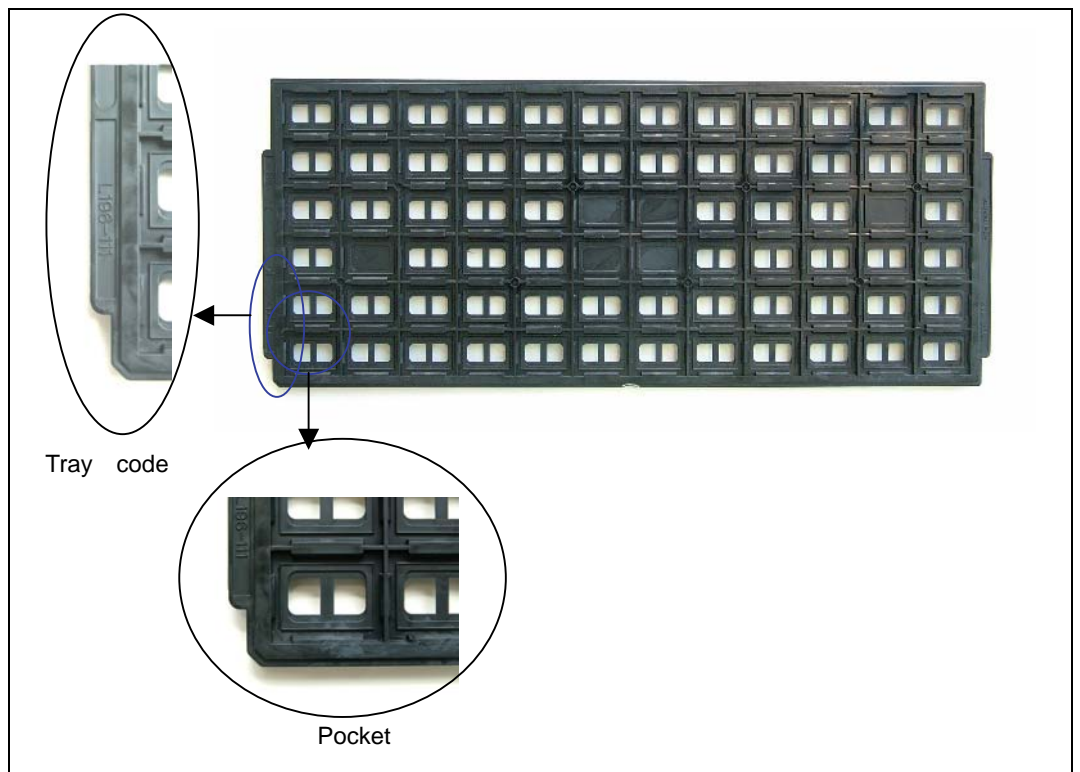
New (L196-88)



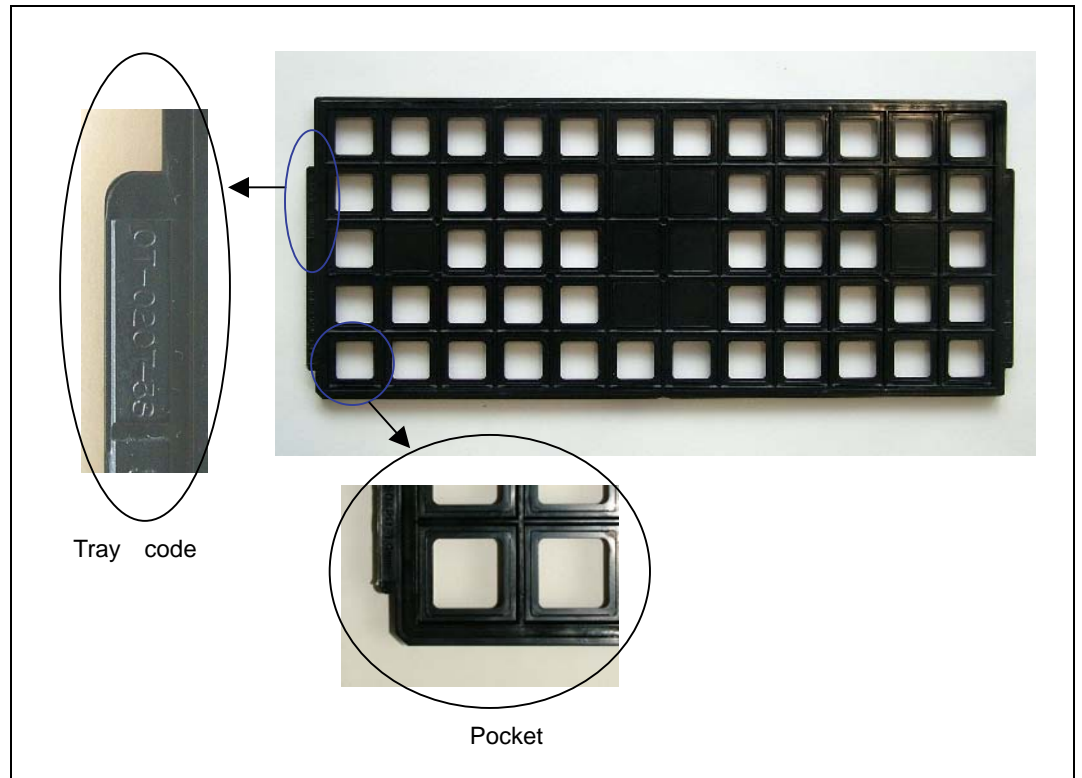
Current
(ST-TQ142014TJ-1)



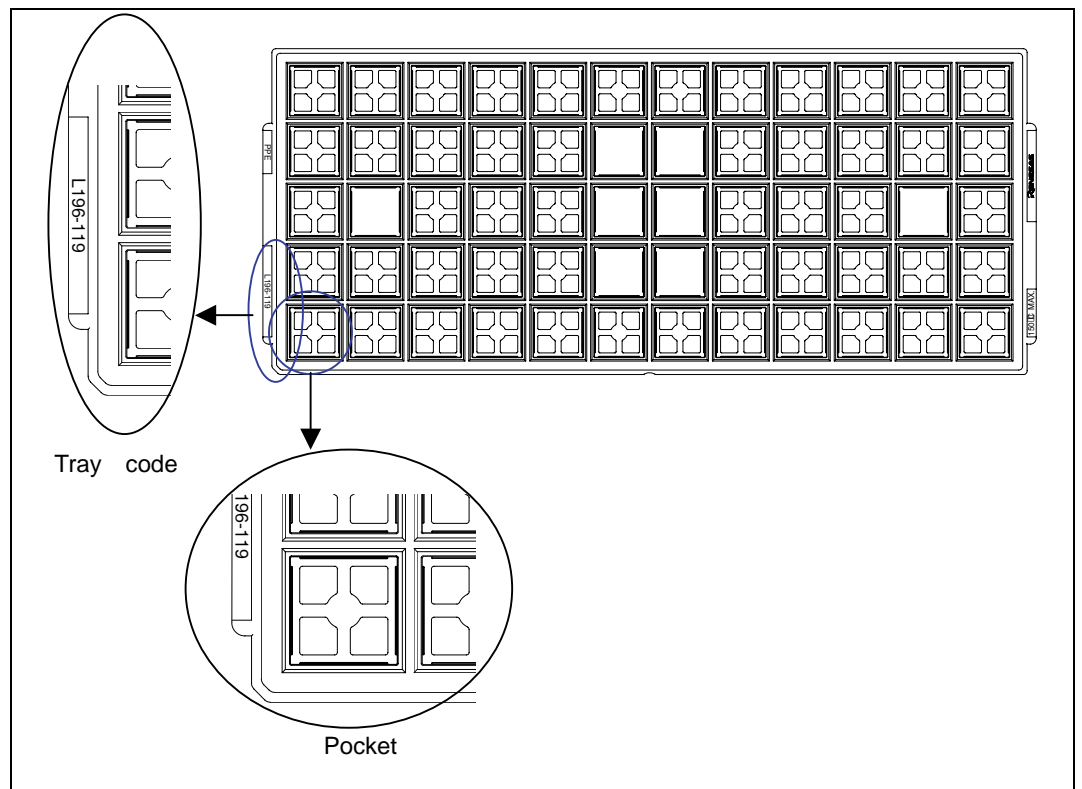
New (L196-111)



Current (0T-020T-3S)



New (L196-119)
Under development



The change of the tray

L196-09→L196-09A

Current trav	New trav	Parts number	Model
L196-09	L196-09A	M32170F3TFP	M32R(ECU)
L196-09	L196-09A	M32170F3V-100FP	M32R(ECU)
L196-09	L196-09A	M32170F3VFP	M32R(ECU)
L196-09	L196-09A	M32170F4T-101FP	M32R(ECU)
L196-09	L196-09A	M32170F4V-100FP	M32R(ECU)
L196-09	L196-09A	M32170F4VFP	M32R(ECU)
L196-09	L196-09A	M32170F6V-100FP	M32R(ECU)
L196-09	L196-09A	M32170F6V-110FP	M32R(ECU)
L196-09	L196-09A	M32170F6V-111FP	M32R(ECU)
L196-09	L196-09A	M32170F6VFP	M32R(ECU)
L196-09	L196-09A	M32174F4VFP	M32R(ECU)
L196-09	L196-09A	M32180F8VFP	M32R(ECU)
L196-09	L196-09A	M64533-0001FP	DIGITAL-AV
L196-09	L196-09A	M65474FP	NETWORK
L196-09	L196-09A	M66384FP	DIGITAL-DISPLAY
L196-09	L196-09A	M66393-0001FP	DIGITAL-DISPLAY
L196-09	L196-09A	M66407-0001FP	DIGITAL-DISPLAY
L196-09	L196-09A	M66421BFP	DIGITAL-DISPLAY
L196-09	L196-09A	M66422FP	DIGITAL-DISPLAY
L196-09	L196-09A	M66425FP	DIGITAL-DISPLAY
L196-09	L196-09A	M66434FP	DIGITAL-DISPLAY
L196-09	L196-09A	M66473FP	DIGITAL-DISPLAY
L196-09	L196-09A	M7G11A0-0103FP	NETWORK
L196-09	L196-09A	M7G11A0-0104FP	NETWORK
L196-09	L196-09A	M7G11G0-0101FP	NETWORK

Current trav	New trav	Parts number	Model
L196-65	L196-65A	M306N3FJTGP	M16C(GAN)
L196-65	L196-65A	M30842MCT-G22GP	M32C(AUTO)
L196-65	L196-65A	M30842MCT-G26GP	M32C(AUTO)
L196-65	L196-65A	M30842MCT-G27GP	M32C(AUTO)
L196-65	L196-65A	M30842MCT-G28GP	M32C(AUTO)
L196-65	L196-65A	M30842MCT-LEXGP	M32C(AUTO)
L196-65	L196-65A	M30842MCT-STYGP	M32C(AUTO)
L196-65	L196-65A	M30842MCT-TYTGP	M32C(AUTO)
L196-65	L196-65A	M30845FJTGP	M32C(AUTO)
L196-65	L196-65A	M30855FJTGP	M32C(AUTO)
L196-65	L196-65A	M30875FHAGP	M32C(GENERAL)
L196-65	L196-65A	M30875FHBGP	M32C(GENERAL)
L196-65	L196-65A	M30875FHGP	M32C(GENERAL)
L196-65	L196-65A	M30878FHCGP	M32C(GENERAL)
L196-65	L196-65A	M30878FJAGP	M32C(GENERAL)
L196-65	L196-65A	M30878FJBGP	M32C(GENERAL)
L196-65	L196-65A	M30878FJGP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-050GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-051GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-055GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-700GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-719GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A02GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A07GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A08GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A17GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A19GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A21GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A23GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A24GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-A30GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-D00GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-D01GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-D02GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-D03GP	M32C(GENERAL)
L196-65	L196-65A	M30878MJB-D04GP	M32C(GENERAL)
L196-65	L196-65A	M3087BFKAGP	M32C(GENERAL)
L196-65	L196-65A	M3087BFKBGP	M32C(GENERAL)
L196-65	L196-65A	M3087BFKCGP	M32C(GENERAL)
L196-65	L196-65A	M3087BFKGP	M32C(GENERAL)
L196-65	L196-65A	M3087BFLAGP	M32C(GENERAL)
L196-65	L196-65A	M3087BFLBGP	M32C(GENERAL)
L196-65	L196-65A	M3087BFLGP	M32C(GENERAL)
L196-65	L196-65A	M3087NFJCGP	M32C(GENERAL)
L196-65	L196-65A	M308A5SGP	M32C(GENERAL)
L196-65	L196-65A	M30955FJTGP	M32C(AUTO)
L196-65	L196-65A	M32171F3V-100FP	M32R(ECU)
L196-65	L196-65A	M32171F3V-111FP	M32R(ECU)
L196-65	L196-65A	M32171F3VFP	M32R(ECU)
L196-65	L196-65A	M32172F2UFP	M32R(ECU)
L196-65	L196-65A	M32176F4V-100FP	M32R(ECU)
L196-65	L196-65A	M32182F8TFP	M32R(ECU)
L196-65	L196-65A	M32185F4VFP	M32R(ECU)
L196-65	L196-65A	M32186F8V-100FP	M32R(ECU)
L196-65	L196-65A	M32186F8V-101FP	M32R(ECU)
L196-65	L196-65A	M32186F8V-102FP	M32R(ECU)
L196-65	L196-65A	M32186F8V-104FP	M32R(ECU)
L196-65	L196-65A	M32186F8VFP	M32R(ECU)
L196-65	L196-65A	M32192F4U-300FP	M32R(ECU)
L196-65	L196-65A	M32192F4V-300FP	M32R(ECU)
L196-65	L196-65A	M32192F8FP	M32R(ECU)
L196-65	L196-65A	M32192F8TFP	M32R(ECU)
L196-65	L196-65A	M32192F8U-200FP	M32R(ECU)
L196-65	L196-65A	M32192F8U-300FP	M32R(ECU)
L196-65	L196-65A	M32192F8UFP	M32R(ECU)
L196-65	L196-65A	M32192F8V-300FP	M32R(ECU)
L196-65	L196-65A	M32195F4UFP	M32R(ECU)
L196-65	L196-65A	M32196F8U-202FP	M32R(ECU)
L196-65	L196-65A	M32196F8UFP	M32R(ECU)
L196-65	L196-65A	M66239FP	DIGITAL-DISPLAY
L196-65	L196-65A	R2S25201KFP	AUTOMOTIVE1
L196-65	L196-65A	R8A01028AFP	DIGITAL-DISPLAY
L196-65	L196-65A	R8A01028FP	DIGITAL-DISPLAY
L196-65	L196-65A	R8J01039FT	DIGITAL-DISPLAY
L196-65	L196-65A	R8J66650FB	DIGITAL-DISPLAY
L196-65	L196-65A	R8J66740FT	DIGITAL-DISPLAY
L196-65	L196-65A	R8J66741FT	DIGITAL-DISPLAY
L196-65	L196-65A	R8J66742FT	DIGITAL-DISPLAY

Current trav	New trav	Parts number	Model
ST-TQ161610TJ-1	L196-88	M30220FCRP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-102RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-103RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-104RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-105RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-106RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-108RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-109RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-110RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-111RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-112RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-113RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-114RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-115RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-116RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-117RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-118RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-119RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-120RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-121RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-122RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-123RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-124RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-125RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-126RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-129RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-132RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-135RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-136RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-137RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-139RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-140RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-141RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-142RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M30220MA-143RP	8BIT(LCD)
ST-TQ161610TJ-1	L196-88	M306K5F8LRP	M16C(PC)
ST-TQ161610TJ-1	L196-88	M306K5F8RP	M16C(PC)
ST-TQ161610TJ-1	L196-88	M306K7F8LRP	M16C(PC)
ST-TQ161610TJ-1	L196-88	M306K9FCLRP	M16C(PC)
ST-TQ161610TJ-1	L196-88	M306KAFCLRP	M16C(PC)
ST-TQ161610TJ-1	L196-88	M3087ZFKRP	M32C(GENERAL)
ST-TQ161610TJ-1	L196-88	M66445M1FA	DIGITAL-DISPLAY
ST-TQ161610TJ-1	L196-88	R8A00011FT	DIGITAL-DISPLAY

ST-TQ142014TJ-1	L196-111	R2J10180GF-A00FP	TV
ST-TQ142014TJ-1	L196-111	R2J10180GF-A13FP	TV
ST-TQ142014TJ-1	L196-111	R2J10180GF-A14FP	TV
ST-TQ142014TJ-1	L196-111	R2J10180GF-A21FP	TV
ST-TQ142014TJ-1	L196-111	R2J10180GF-A23FP	TV
ST-TQ142014TJ-1	L196-111	R2J10180GF-A36FP	TV
ST-TQ142014TJ-1	L196-111	R2J10180GF-A63FP	TV
ST-TQ142014TJ-1	L196-111	R2J10180GF-A64FP	TV
ST-TQ142014TJ-1	L196-111	R2J10211GD-A00FP	TV
ST-TQ142014TJ-1	L196-111	R2J10215GD-A00FP	TV
ST-TQ142014TJ-1	L196-111	R2J10215GD-A73FP	TV
ST-TQ142014TJ-1	L196-111	R2J12201F7-F00FP	TV
ST-TQ142014TJ-1	L196-111	R2J12202F7-F00FP	TV
ST-TQ142014TJ-1	L196-111	R2J12203M4-A00FP	TV
ST-TQ142014TJ-1	L196-111	R2J12203M4-A01FP	TV
ST-TQ142014TJ-1	L196-111	R2J12203M4-A02FP	TV
ST-TQ142014TJ-1	L196-111	R2J12203M4-A03FP	TV
ST-TQ142014TJ-1	L196-111	R2J12204M4-A00FP	TV
ST-TQ142014TJ-1	L196-111	R2J12204M4-A01FP	TV
ST-TQ142014TJ-1	L196-111	R2J12204M4-A02FP	TV
ST-TQ142014TJ-1	L196-111	R2J12204M4-A03FP	TV
ST-TQ142014TJ-1	L196-111	R2J12204M4-A04FP	TV
ST-TQ142014TJ-1	L196-111	R2J12204M4-A05FP	TV
ST-TQ142014TJ-1	L196-111	R5F3651TDFC	M16C(GENERAL)
ST-TQ142014TJ-1	L196-111	R5F3651TNFC	M16C(GENERAL)

Current trav	New trav	Parts number	Model
OT-020T-3(S)	L196-119	M30825MH-054GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MH-055GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MH-061GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MH-067GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MH-079GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MH-A24GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-094GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-095GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-096GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-100GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-101GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-102GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-103GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-104GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-A09GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-A10GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-A12GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-A13GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-A15GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-A16GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-A20GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-A21GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-D03GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-D06GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30825MW-D11GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30828MH-069GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30828MH-070GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30828MH-088GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30828MH-A17GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30828MH-A22GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30828MH-A23GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30835FJGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30835FJTGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30835FJVGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30842FJGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30842MC-054GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30842MC-056GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30842SGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845FHGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845FHTGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30845FHUGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30845FJGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845FWGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-001GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-072GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A00GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A01GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A02GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A03GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A05GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A06GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A07GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A13GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A17GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A18GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A20GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A21GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A23GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-A24GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-G02GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30845MW-G04GP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30852FJGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30852FJTGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855FHGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30855FHTGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855FJGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30855FJTGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855FWGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30855FWTGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855FWJGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855MWT-G00GP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855MWT-G01GP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855MWT-G11GP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855MWT-M00GP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30855MWT-M01GP	M32C(AUTO)
OT-020T-3(S)	L196-119	M30865FHGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30865FJGP	M32C(GENERAL)
OT-020T-3(S)	L196-119	M30882FJVGP	M32C(AUTO)
OT-020T-3(S)	L196-119	M65523FP	DIGITAL-AV
OT-020T-3(S)	L196-119	M66239FP	DIGITAL-DISPLAY