Messrs. _____

Shindengen Electric Mfg. Co., Ltd.
Quality assurance section
Quality assurance dept.
Electronic device div. group.
Toru Kamiyama

Notice of Marking Specification Change on our products

Thank you for your continuous attention on our semiconductor products.
We are going to change the specification of the mark on our products.
Please refer to the details as follows.

【Scope of applicable packages】
 G1F, 1F, 2F, M1F, M2F

【Content of changing】
 The new specification is 4 digits, adding Control number [2 digits] to actual Lot number [2 digits].
 (Please refer to the attached document for details.)

【Behind of changing】
 We intend to take actions rapidly and correctly in the case of defect occurrence.

【Beginning date】
  G1F, 1F, M1F package： Production in Oct. 2015
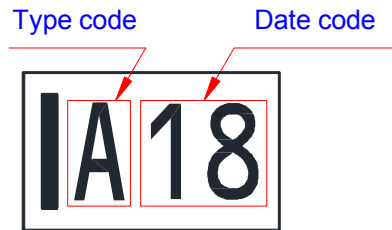 2F, M2F package   ： Production in Dec. 2015

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【Acknowledgement】

  Receiving the Notice, please send the Acknowledgement with signature and filling the items.

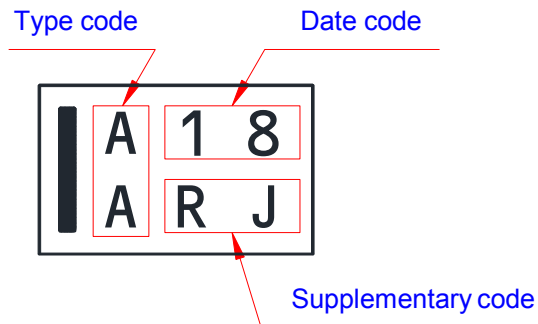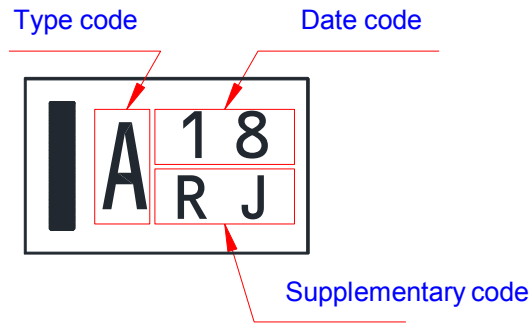|	
Date of receipt	
Company name	
Recipient signature	
Responsible person signature	
Responsible department	
Telephone number	

（Design Change No. T88−202 etc)

G1F Package

Current

Type code   Date code

A 18

New

Type code   Date code

A 1 8
 R J

Supplementary code

Type code   Date code

A 1 8
A R J

Supplementary code

No change in type code.

Add supplementary code of 2 digits, into production lot discernment code of 4 digits.

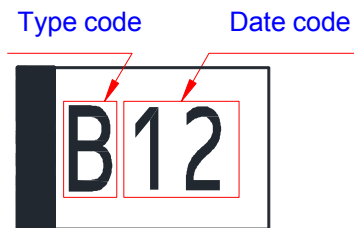| Products to be changed |
| --- |
| DG0R7E40, DG0R7V60, DG1E60, DG1V60
DG1H3, DG1H3A, DG1J10A, DG1J2A, DG1M3, DG1M3A, DG1N15A, DG1S4, DG1S6
ST02-18G1, ST02-27G1, ST02-33G1, ST02-36G1, ST02-43G1 |

Products with type code of 2 digits are exempt as 4 digit code has been already introduced.
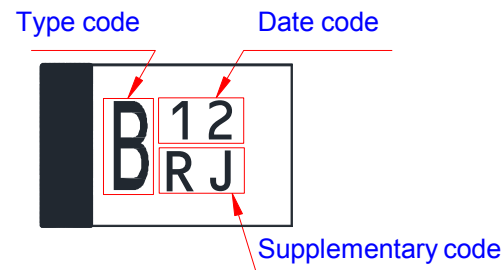
Exemption :
DG1S6A ST02-30G1

M1F Package

Current

New

Add supplementary code of 2 digits, into production lot discernment code of 4 digits.

Type code   Date code

B 1 2

Type code   Date code

B 1 2
R J

Supplementary code

Products to be changed
M1F60, M1F60T, M1F80, M1FE40 M1FL20U, M1FL40 M1FH3, M1FJ4, M1FM3, M1FP3, M1FS4, M1FS6

The product below is exempt as 4 digit code has been already introduced.
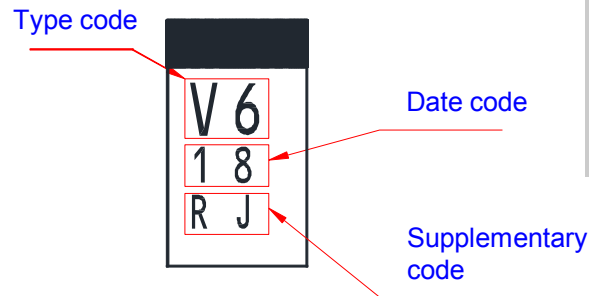
Exemption :
M1FL40U

1F Package

Current

New

Type code

Type code

| V 6 |
| 18 |

Date code

| V 6 |
| 1 8 |
| R J |

Date code
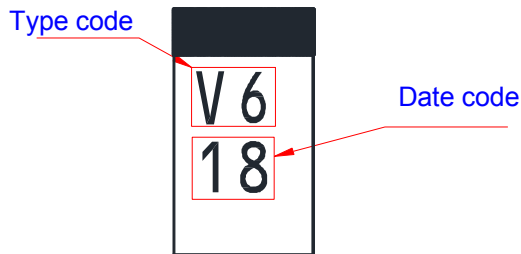
Supplementary code

No change in Type code except for some products.
Add supplementary code of 2 digits, into production lot discernment code of 4 digits.

Products to be changed

D1F60, D1F60A
D1FL20U, D1FL40, D1FK60, D1FK70
D1FH3, D1FJ10, D1FJ4, D1FM3, D1FP3, D1FS4,
D1FS4A, D1FS4N, D1FS6
G1VL10C, G1VL8C, G1VL8CR, G1VL8CM,
G1VL10CM
DL04-18F1
ST03-58F1, ST03-68F1, ST03-47F1, ST03-47F1H
K1VL15C
KL3L07, KL3N14, KL3R20, KL3Z07, KL3Z18

The product below is exempt as 4 digit code has been already introduced.

Exemption :

LN1F60
D1FL40U
D1FJ8, D1FJ8A, D1FS6A, D1FT10A
G1VL10CB, G1VL10CR, G1VL22C, G1VL15C,
G1VL20C, G1VL24C, G1VL24CT
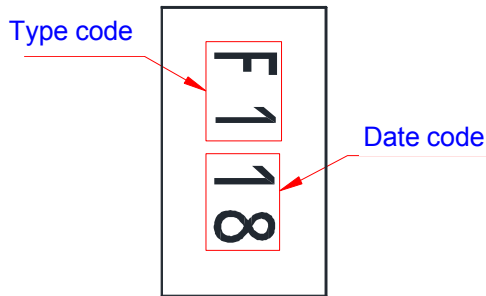K1VZL09, K1VZL20
ST03-240F1, ST04-33F1, ST04-36F1

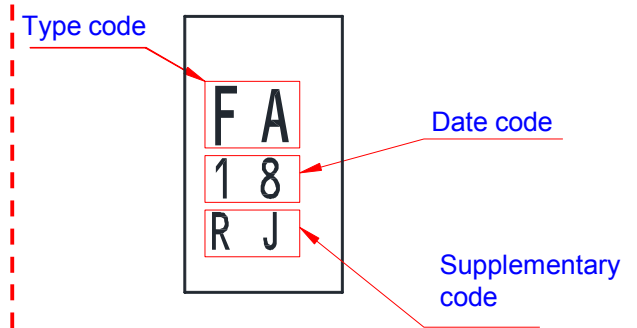# 1F Package (Products of change in type code and layout)

Current

New

VR61F1

Change in layout of marking and replace「F1」with 「FA」.

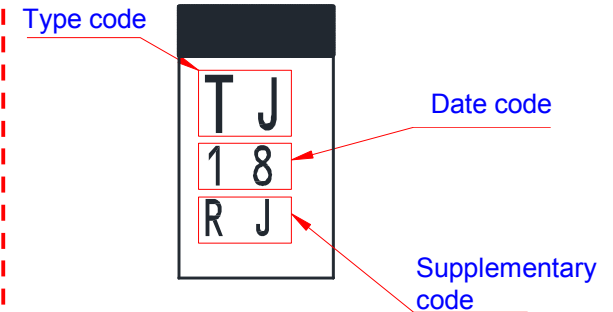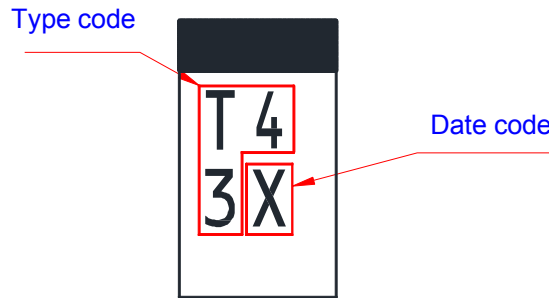Add supplementary code of 2 digits, into production lot discernment code of 4 digits.

ST04-14F1 etc.

Change in layout of marking and replace「T43」with 「TJ」.

Use date code of 2 digits instead of 1 digit, and add supplementary code of 2 digits.
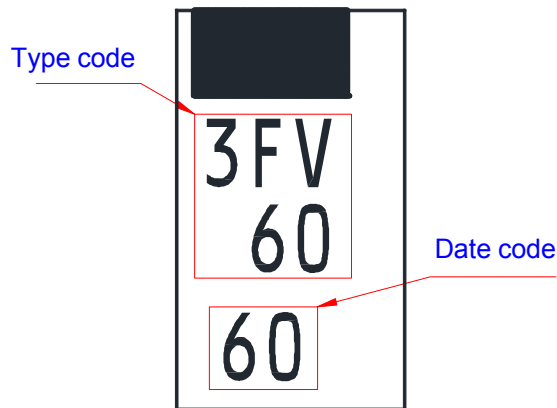
Those changes are applied to 4 products including ST04-14F1.

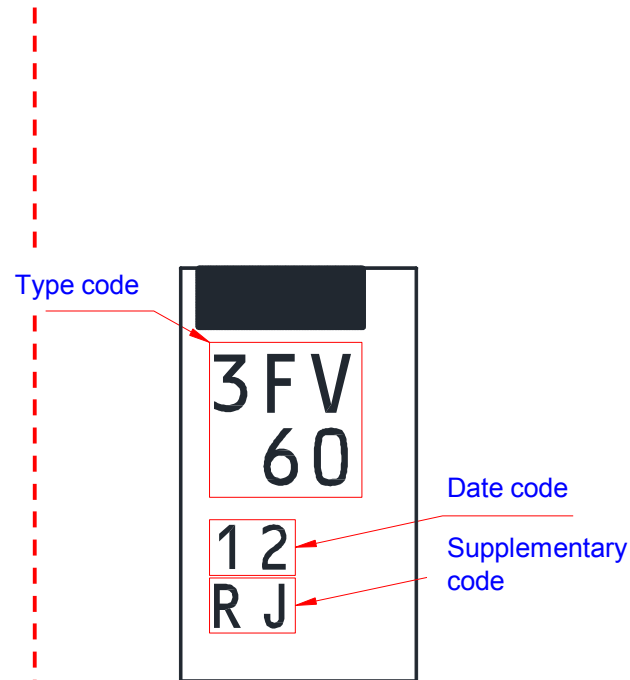Refer to a table in right for the changes of type code.

Product	Type code (current)	Type code (new)
ST04−14F1	T43	TJ
ST04−16F1	T41	TK
ST04−18F1	T44	TL
ST04−24F1	T42	TM

2F Package

Current

New

Type code

Type code

3 F V
60

Date code

60

3 F V
60

1 2

R J

Type code

Date code

Supplementary code

No change in type code.

Move type code upward by decreasing the cathode mark in size.

Add supplementary code of 2 digits, into production lot discernment code of 4 digits.

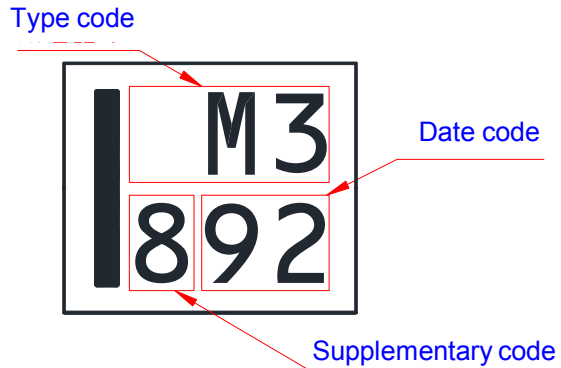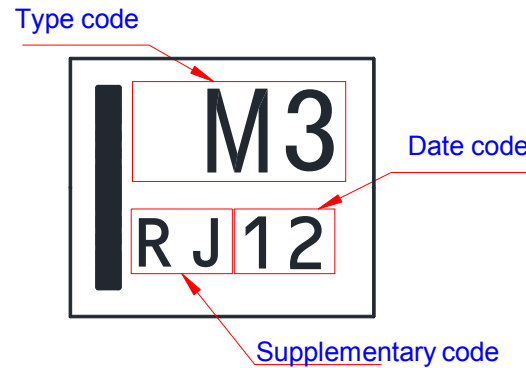| Products to be changed |
|---|
| D2F60, D3F60, D4F60
D2FK60, D3FK60, D2FL20U, D2FL40
D2FS4, D2FS6, D3FJ10, D3FP3, D3FS4A, D3FS6

ST02D-170F2

K15N, K15N(A), KP15N14, UK15N14
K1VP15C, K1VP24
KP4F12, KP4F8, KP4L07, KP4N12, KP10L06,
KP10L07, KP10L08, KP10LU07, KP10N14, KP10R25,
KP15L08, KP15R25, KPS15N14, UKP10L06,
UKP10R25 |

Exemption :
Nil

M2F Package (Diodes)

Current   **New**

No change in type code for diodes.

Replace supplementary code of 1 digit with 1 digits, into production lot discernment code of 4 digits.
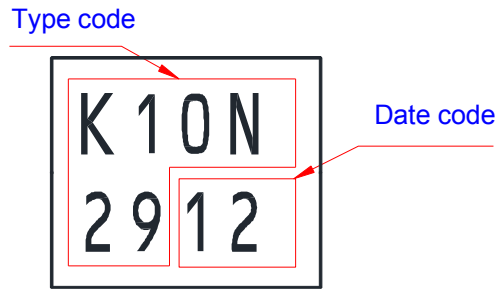
Type code

Date code

M3
892

Supplementary code

Type code

Date code

M3
R J 12

Supplementary code

Products to be changed

M2F60, M3F60, M3FE40, M2FL20U, M3FL20U, M2FH3, M2FM3

Exemption :

Nil

M2F Package (Surge Protection Devices)

Current

Type code

K 1 0 N
2 9 1 2

Date code

New

Type code

1 0 N 2 9
R J 1 2

Date code

Supplementary code
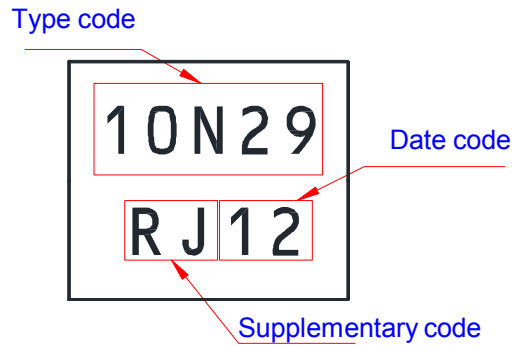
Eliminate first character of type code, into 5 digits.

Add supplementary code of 2 digits, into production lot discernment code of 4 digits.

Product	Type code (current)	Type code (new)
KU4F8	K4F_08	_4P08
KU4F12	K4F_12	_4P12
KU5N12	K05_12	_5P12
KU5R29N	K05N29	_5N29
KU5S31N	K05N31	_5N31
KU10L08 KU10L08C	K10_08	10P08
KU10N14	K10_14	10P14
KU10R23N	K10N23	10N23
KU10R25N	K10N25	10N25
KU10R27N	K10N27	10N27

Product	Type code (current)	Type code (new)
KU10R27NS	K10S27	10S27
KU10R29N	K10N29	10N29
KU10R29NS	K10S29	10S29
KU10S31N	K10N31	10N31
KU10S31NS	K10S31	10S31
KU10S35N	K10N35	10N35
KU10S40N	K10N40	10N40
KU10S60N	K10N60	10N60
KU15N14	K15_14	15P14
KU15N14H	K15H14	15H14

Note : Indication of "_" in the above table means Blank.