# Doc. No.222400C :

# Application for change due to discontinuation of wafer coating (polyimide) (IPM)

© ROHM Co., Ltd.

# 222400C-1. Outline of PCN

| | |
|---|---|
| **Doc. No.** | **222400C** |
| **Subject** | **Application for change due to discontinuation of wafer coating (polyimide) (IPM)** |
| **Detail of change** | **Material change of wafer coat (polyimide) of FRD, Boot diode** |
| **Affected products** | **160 parts No. of package “HSDIP25(VC)”, “HSDIP25(VC)GE”<br>(See attached sheet for parts No)<br>※ Some products with the status "under development" are not affected.** |
| **Required date of reply** | **Feb. 28, 2025** |
| **Planned date of change** | **Apr. 1, 2025** |
| **Supplementary explanation** | **48 of the subject PNs are overlapping with PCNs (2223001 and 2223012) which were issued recently.** |

© ROHM Co., Ltd.

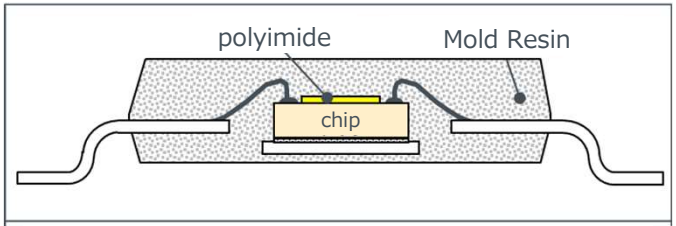
# 222400C-2. 4M comparison, Extraction of concerns

## 4M changing points

| | | Pre-change | Post-change | Comment |
|---|---|---|---|---|
| Plant | | Rohm Wako 2nd Plant | ←No change | – |
| Man | - | Operators certified licensing system | ←No change | – |
| Machine | ・Equipment | Conventional facilities | ←No change | – |
| | ・Process management Content | Compliant with QC process chart | ←No change | – |
| | ・Management method | SPC management | ←No change | – |
| Material | ・Wafer | 6-inch wafer | ←No change | – |
| | ・Organic protection film | Conventional polyimide | **New polyimide** | *1 |
| | ・Other | Chemicals, wiring materials , etc. | ←No change | – |
| Method | ・Methods of operation | Operational standard | ←No change | – |
| | ・Inspection Contents | Compliant with inspection Standard | ←No change | – |
| Measure ment | ・Measurement equipment | Conventional equipment | ←No change | – |
| | ・Management methods | Compliant with equipment QC process chart | ←No change | – |

*1 Equivalent ROHM PNs have been evaluated and it has been confirmed that there is no problem.

## Extraction of Concerns




Mold package cross-sectional image

**The purpose of the polyimide is to protect the chip.**

| Changing points | Concerns | Confirmation items |
|---|---|---|
| Composition (Ingredients are the same) | Film thickness change | Confirmation of Cross-sectional structure |
| Linear expansion coefficient (almost same) | Decreased reliability by deterioration in adhesion | Reliability Tests |
| Water absorption (almost same) | Decreased reliability by decreased water resistance | Reliability Tests |

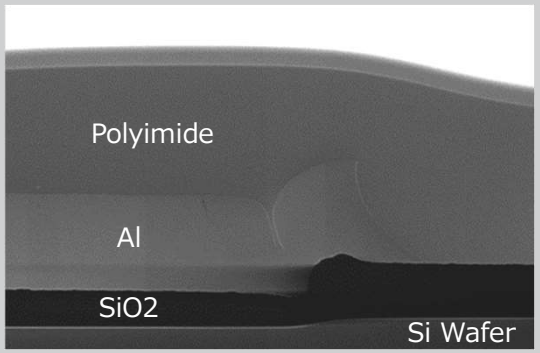
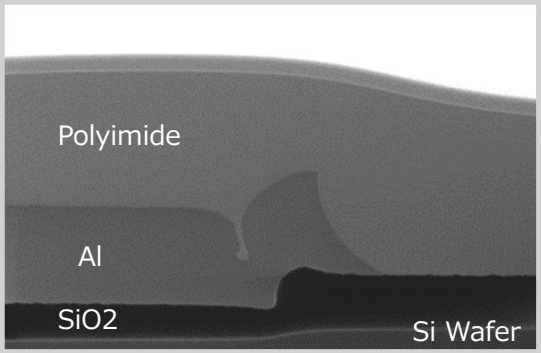
**Above changing points have been evaluated.**

© ROHM Co., Ltd.

# 222400C-3. Confirmation results (DI)

| Confirmation Item | Concern | Pre-change | Post-change | Result |
|---|---|---|---|---|
| Primary characteristics | Film thickness change | Reference | ← No change | No problem |
| Electrical characteristics | Chrange in electrical characteristics | Reference | ← No change | No problem |
| Reliability | Decreased Reliability | Reference | ← No change | No problem |

**Cross-sectional structure confirmation results**

| Pre-change | Post-change |
|---|---|
|  |  |



**It has been confirmed that there is no problem.**

© ROHM Co., Ltd.

# 222400C-4. Reliability test result

1. Reliability Test Result

| Test Item | Test Method | Standard | Duration | Samples n(pcs) | NG Pn(pcs) |
|---|---|---|---|---|---|
| Pressure Cooker | Storage at 121℃ / 100% /2atm | JEDEC JESD22-A102 | 96h | 5 | 0 |
| Temperature Cycling | -40℃ (30min) / 125℃ (30min) | EIAJ ED4701-105 | 100cyc | 5 | 0 |
| High Temperature Storage | Ta=125℃ | EIAJ ED4701-201 | 1,000h | 5 | 0 |
| Low Temperature Storage | Ta=-40℃ | EIAJ ED4701-202 | 1,000h | 5 | 0 |
| Temperature Humidity Storage | Ta=60℃/ RH=90% | EIAJ ED4701-103 | 1,000h | 5 | 0 |
| High Temperature Operation | Apply the specified voltage Vce=510V at Ta=125℃ | EIAJ ED4701-101 | 1,000h | 5 | 0 |

2. Measurement Items and Criteria of Failure

| Measurement Item | Condition | Criterion of Failure |
|---|---|---|
| Items on Datasheet | Conditions on Datasheet | Obey to Electrical Characteristics on Datasheet |
| appearance | Visual Confirmation | No remarkable change |

**As a result of reliability tests,**
**it has been confirmed that there is no problem.**

© ROHM Co., Ltd.

| PCN No. | Internal PN | Public (External) PN | FPN | PKG | Internal PN of replacement 1 | Public (External) PN of replacement 1 | PKG of Replacement 1 | Change Of external Part No |
|---|---|---|---|---|---|---|---|---|
| 222400C | BM63363S-VA | BM63363S-VA | 2627522 | HSDIP25 | BM63363S-VAP | BM63363S-VA | HSDIP25 | No Change |
| 222400C | BM63363S-VAB | BM63363S-VA | 2627522 | HSDIP25 | BM63363S-VABP | BM63363S-VA | HSDIP25 | No Change |
| 222400C | BM63363S-VAS | BM63363S-VA | 2627522 | HSDIP25 | BM63363S-VASP | BM63363S-VA | HSDIP25 | No Change |
| 222400C | BM63363S-VASB | BM63363S-VA | 2627522 | HSDIP25 | BM63363S-VASBP | BM63363S-VA | HSDIP25 | No Change |
| 222400C | BM63363S-VC | BM63363S-VC | 2627523 | HSDIP25 | BM63363S-VCP | BM63363S-VC | HSDIP25 | No Change |
| 222400C | BM63363S-VCB | BM63363S-VC | 2627523 | HSDIP25 | BM63363S-VCBP | BM63363S-VC | HSDIP25 | No Change |
| 222400C | BM63363S-VCS | BM63363S-VC | 2627523 | HSDIP25 | BM63363S-VCSP | BM63363S-VC | HSDIP25 | No Change |
| 222400C | BM63363S-VCSB | BM63363S-VC | 2627523 | HSDIP25 | BM63363S-VCSBP | BM63363S-VC | HSDIP25 | No Change |
| 222400C | BM63364S-VA | BM63364S-VA | 2627524 | HSDIP25 | BM63364S-VAP | BM63364S-VA | HSDIP25 | No Change |
| 222400C | BM63364S-VAB | BM63364S-VA | 2627524 | HSDIP25 | BM63364S-VABP | BM63364S-VA | HSDIP25 | No Change |
| 222400C | BM63364S-VAS1 | BM63364S-VA | 2627524 | HSDIP25 | BM63364S-VAS1P | BM63364S-VA | HSDIP25 | No Change |
| 222400C | BM63364S-VAS1B | BM63364S-VA | 2627524 | HSDIP25 | BM63364S-VAS1BP | BM63364S-VA | HSDIP25 | No Change |
| 222400C | BM63364S-VC | BM63364S-VC | 2627525 | HSDIP25 | BM63364S-VCP | BM63364S-VC | HSDIP25 | No Change |
| 222400C | BM63364S-VCB | BM63364S-VC | 2627525 | HSDIP25 | BM63364S-VCBP | BM63364S-VC | HSDIP25 | No Change |
| 222400C | BM63763S-VA | BM63763S-VA | 2627526 | HSDIP25 | BM63763S-VAP | BM63763S-VA | HSDIP25 | No Change |
| 222400C | BM63763S-VAB | BM63763S-VA | 2627526 | HSDIP25 | BM63763S-VABP | BM63763S-VA | HSDIP25 | No Change |
| 222400C | BM63763S-VAS | BM63763S-VA | 2627526 | HSDIP25 | BM63763S-VASP | BM63763S-VA | HSDIP25 | No Change |
| 222400C | BM63763S-VAS1 | BM63763S-VA | 2627526 | HSDIP25 | BM63763S-VAS1P | BM63763S-VA | HSDIP25 | No Change |
| 222400C | BM63763S-VASB | BM63763S-VA | 2627526 | HSDIP25 | BM63763S-VASBP | BM63763S-VA | HSDIP25 | No Change |
| 222400C | BM63763S-VAT | BM63763S-VA | 2627526 | HSDIP25 | BM63763S-VATP | BM63763S-VA | HSDIP25 | No Change |
| 222400C | BM63763S-VC | BM63763S-VC | 2627527 | HSDIP25 | BM63763S-VCP | BM63763S-VC | HSDIP25 | No Change |
| 222400C | BM63763S-VCB | BM63763S-VC | 2627527 | HSDIP25 | BM63763S-VCBP | BM63763S-VC | HSDIP25 | No Change |
| 222400C | BM63764S-VA | BM63764S-VA | 2627528 | HSDIP25 | BM63764S-VAP | BM63764S-VA | HSDIP25 | No Change |
| 222400C | BM63764S-VAB | BM63764S-VA | 2627528 | HSDIP25 | BM63764S-VABP | BM63764S-VA | HSDIP25 | No Change |
| 222400C | BM63764S-VAS | BM63764S-VA | 2627528 | HSDIP25 | BM63764S-VASP | BM63764S-VA | HSDIP25 | No Change |
| 222400C | BM63764S-VASB | BM63764S-VA | 2627528 | HSDIP25 | BM63764S-VASBP | BM63764S-VA | HSDIP25 | No Change |
| 222400C | BM63764S-VAT | BM63764S-VA | 2627528 | HSDIP25 | BM63764S-VATP | BM63764S-VA | HSDIP25 | No Change |
| 222400C | BM63764S-VC | BM63764S-VC | 2627529 | HSDIP25 | BM63764S-VCP | BM63764S-VC | HSDIP25 | No Change |
| 222400C | BM63764S-VCB | BM63764S-VC | 2627529 | HSDIP25 | BM63764S-VCBP | BM63764S-VC | HSDIP25 | No Change |
| 222400C | BM63764S-VCSB | BM63764S-VC | 2627529 | HSDIP25 | BM63764S-VCSBP | BM63764S-VC | HSDIP25 | No Change |
| 222400C | BM63563S-VA | BM63563S-VA | 3106644 | HSDIP25 | BM63563S-VAP | BM63563S-VA | HSDIP25 | No Change |
| 222400C | BM63563S-VAB | BM63563S-VA | 3106644 | HSDIP25 | BM63563S-VABP | BM63563S-VA | HSDIP25 | No Change |
| 222400C | BM63563S-VC | BM63563S-VC | 3106645 | HSDIP25 | BM63563S-VCP | BM63563S-VC | HSDIP25 | No Change |
| 222400C | BM63563S-VCB | BM63563S-VC | 3106645 | HSDIP25 | BM63563S-VCBP | BM63563S-VC | HSDIP25 | No Change |
| 222400C | BM63564S-VA | BM63564S-VA | 3106646 | HSDIP25 | BM63564S-VAP | BM63564S-VA | HSDIP25 | No Change |
| 222400C | BM63564S-VAB | BM63564S-VA | 3106646 | HSDIP25 | BM63564S-VABP | BM63564S-VA | HSDIP25 | No Change |
| 222400C | BM63564S-VC | BM63564S-VC | 3106647 | HSDIP25 | BM63564S-VCP | BM63564S-VC | HSDIP25 | No Change |
| 222400C | BM63564S-VCB | BM63564S-VC | 3106647 | HSDIP25 | BM63564S-VCBP | BM63564S-VC | HSDIP25 | No Change |
| 222400C | BM63963S-VA | BM63963S-VA | 3106648 | HSDIP25 | BM63963S-VAP | BM63963S-VA | HSDIP25 | No Change |
| 222400C | BM63963S-VAB | BM63963S-VA | 3106648 | HSDIP25 | BM63963S-VABP | BM63963S-VA | HSDIP25 | No Change |
| 222400C | BM63963S-VC | BM63963S-VC | 3106649 | HSDIP25 | BM63963S-VCP | BM63963S-VC | HSDIP25 | No Change |
| 222400C | BM63963S-VCB | BM63963S-VC | 3106649 | HSDIP25 | BM63963S-VCBP | BM63963S-VC | HSDIP25 | No Change |
| 222400C | BM63964S-VA | BM63964S-VA | 3106650 | HSDIP25 | BM63964S-VAP | BM63964S-VA | HSDIP25 | No Change |
| 222400C | BM63964S-VAB | BM63964S-VA | 3106650 | HSDIP25 | BM63964S-VABP | BM63964S-VA | HSDIP25 | No Change |
| 222400C | BM63964S-VC | BM63964S-VC | 3106651 | HSDIP25 | BM63964S-VCP | BM63964S-VC | HSDIP25 | No Change |
| 222400C | BM63964S-VCB | BM63964S-VC | 3106651 | HSDIP25 | BM63964S-VCBP | BM63964S-VC | HSDIP25 | No Change |
| 222400C | BM63967S-VA | BM63967S-VA | 3106653 | HSDIP25 | BM63967S-VAP | BM63967S-VA | HSDIP25 | No Change |
| 222400C | BM63967S-VAB | BM63967S-VA | 3106653 | HSDIP25 | BM63967S-VABP | BM63967S-VA | HSDIP25 | No Change |
| 222400C | BM63967S-VC | BM63967S-VC | 3106654 | HSDIP25 | BM63967S-VCP | BM63967S-VC | HSDIP25 | No Change |
| 222400C | BM63967S-VCB | BM63967S-VC | 3106654 | HSDIP25 | BM63967S-VCBP | BM63967S-VC | HSDIP25 | No Change |
| 222400C | BM63373S-VA | BM63373S-VA | 3605682 | HSDIP25 | BM63373S-VAP | BM63373S-VA | HSDIP25 | No Change |
| 222400C | BM63374S-VA | BM63374S-VA | 3605683 | HSDIP25 | BM63374S-VAP | BM63374S-VA | HSDIP25 | No Change |
| 222400C | BM63377S-VA | BM63377S-VA | 3605684 | HSDIP25 | BM63377S-VAP | BM63377S-VA | HSDIP25 | No Change |
| 222400C | BM63377S-VC | BM63377S-VC | 3605685 | HSDIP25 | BM63377S-VCP | BM63377S-VC | HSDIP25 | No Change |
| 222400C | BM63373S-VC | BM63373S-VC | 3639747 | HSDIP25 | BM63373S-VCP | BM63373S-VC | HSDIP25 | No Change |
| 222400C | BM63374S-VC | BM63374S-VC | 3639748 | HSDIP25 | BM63374S-VCP | BM63374S-VC | HSDIP25 | No Change |
| 222400C | BM63573S-VA | BM63573S-VA | 3639749 | HSDIP25 | BM63573S-VAP | BM63573S-VA | HSDIP25 | No Change |
| 222400C | BM63573S-VAS | BM63573S-VA | 3639749 | HSDIP25 | BM63573S-VASP | BM63573S-VA | HSDIP25 | No Change |
| 222400C | BM63573S-VC | BM63573S-VC | 3639750 | HSDIP25 | BM63573S-VCP | BM63573S-VC | HSDIP25 | No Change |
| 222400C | BM63574S-VC | BM63574S-VC | 3639751 | HSDIP25 | BM63574S-VCP | BM63574S-VC | HSDIP25 | No Change |
| 222400C | BM63575S-VA | BM63575S-VA | 3639752 | HSDIP25 | BM63575S-VAP | BM63575S-VA | HSDIP25 | No Change |
| 222400C | BM63575S-VC | BM63575S-VC | 3639753 | HSDIP25 | BM63575S-VCP | BM63575S-VC | HSDIP25 | No Change |
| 222400C | BM63577S-VA | BM63577S-VA | 3639754 | HSDIP25 | BM63577S-VAP | BM63577S-VA | HSDIP25 | No Change |
| 222400C | BM64374S-VA | BM64374S-VA | 3770053 | HSDIP25 | BM64374S-VAP | BM64374S-VA | HSDIP25 | No Change |
| 222400C | BM64374S-VAS | BM64374S-VA | 3770053 | HSDIP25 | BM64374S-VASP | BM64374S-VA | HSDIP25 | No Change |
| 222400C | BM64375S-VA | BM64375S-VA | 3770054 | HSDIP25 | BM64375S-VAP | BM64375S-VA | HSDIP25 | No Change |
| 222400C | BM64375S-VAS | BM64375S-VA | 3770054 | HSDIP25 | BM64375S-VASP | BM64375S-VA | HSDIP25 | No Change |
| 222400C | BM64378S-VA | BM64378S-VA | 3770055 | HSDIP25 | BM64378S-VAP | BM64378S-VA | HSDIP25 | No Change |
| 222400C | BM64377S-VA | BM64377S-VA | 3770056 | HSDIP25 | BM64377S-VAP | BM64377S-VA | HSDIP25 | No Change |
| 222400C | BM63375S-VA | BM63375S-VA | 3976624 | HSDIP25 | BM63375S-VAP | BM63375S-VA | HSDIP25 | No Change |
| 222400C | BM63375S-VC | BM63375S-VC | 3976625 | HSDIP25 | BM63375S-VCP | BM63375S-VC | HSDIP25 | No Change |
| 222400C | BM63767S-VA | BM63767S-VA | 4203199 | HSDIP25 | BM63767S-VAP | BM63767S-VA | HSDIP25 | No Change |
| 222400C | BM63767S-VAB | BM63767S-VA | 4203199 | HSDIP25 | BM63767S-VABP | BM63767S-VA | HSDIP25 | No Change |
| 222400C | BM63767S-VC | BM63767S-VC | 4203200 | HSDIP25 | BM63767S-VCP | BM63767S-VC | HSDIP25 | No Change |
| 222400C | BM63767S-VCB | BM63767S-VC | 4203200 | HSDIP25 | BM63767S-VCBP | BM63767S-VC | HSDIP25 | No Change |
| 222400C | BM63767S-VCSB | BM63767S-VC | 4203200 | HSDIP25 | BM63767S-VCSBP | BM63767S-VC | HSDIP25 | No Change |
| 222400C | BM63574S-VA | BM63574S-VA | 4203204 | HSDIP25 | BM63574S-VAP | BM63574S-VA | HSDIP25 | No Change |
| 222400C | BM63577S-VC | BM63577S-VC | 4203205 | HSDIP25 | BM63577S-VCP | BM63577S-VC | HSDIP25 | No Change |
| 222400C | BM60203S-VA | BM60203S-VA | #N/A | HSDIP25 | BM60203S-VAP | BM60203S-VA | HSDIP25 | No Change |
| 222400C | BM60303S-VA | BM60303S-VA | #N/A | HSDIP25 | BM60303S-VAP | BM60303S-VA | HSDIP25 | No Change |

| 222400C | BM64364S-VA | BM64364S-VA | #N/A | HSDIP25 | BM64364S-VAP | BM64364S-VA | HSDIP25 | No Change |
|---|---|---|---|---|---|---|---|---|
| 222400C | BM64365S-VA | BM64365S-VA | #N/A | HSDIP25 | BM64365S-VAP | BM64365S-VA | HSDIP25 | No Change |
| 222400C | BM64564S-VA | BM64564S-VA | #N/A | HSDIP25 | BM64564S-VAP | BM64564S-VA | HSDIP25 | No Change |
| 222400C | BM64565S-VA | BM64565S-VA | #N/A | HSDIP25 | BM64565S-VAP | BM64565S-VA | HSDIP25 | No Change |
| 222400C | BM65364S-VA | BM65364S-VA | #N/A | HSDIP25 | BM65364S-VAP | BM65364S-VA | HSDIP25 | No Change |
| 222400C | BM65364S-VC | BM65364S-VC | #N/A | HSDIP25 | BM65364S-VCP | BM65364S-VC | HSDIP25 | No Change |
| 222400C | BM60203S-VAG | BM60203S-VAG | #N/A | HSDIP25GE | BM60203S-VAPG | BM60203S-VAG | HSDIP25GE | No Change |
| 222400C | BM60203S-VAW | BM60203S-VA | #N/A | HSDIP25 | BM60203S-VAWP | BM60203S-VA | HSDIP25 | No Change |
| 222400C | BM60203S-VCG | BM60203S-VCG | #N/A | HSDIP25GE | BM60203S-VCPG | BM60203S-VCG | HSDIP25GE | No Change |
| 222400C | BM60303S-VAG | BM60303S-VAG | #N/A | HSDIP25GE | BM60303S-VAPG | BM60303S-VAG | HSDIP25GE | No Change |
| 222400C | BM60303S-VAW | BM60303S-VA | #N/A | HSDIP25 | BM60303S-VAWP | BM60303S-VA | HSDIP25 | No Change |
| 222400C | BM60303S-VCG | BM60303S-VCG | #N/A | HSDIP25GE | BM60303S-VCPG | BM60303S-VCG | HSDIP25GE | No Change |
| 222400C | BM63363S-VAG | BM63363S-VAG | #N/A | HSDIP25GE | BM63363S-VAPG | BM63363S-VAG | HSDIP25GE | No Change |
| 222400C | BM63363S-VCG | BM63363S-VCG | #N/A | HSDIP25GE | BM63363S-VCPG | BM63363S-VCG | HSDIP25GE | No Change |
| 222400C | BM63364S-VAG | BM63364S-VAG | #N/A | HSDIP25GE | BM63364S-VAPG | BM63364S-VAG | HSDIP25GE | No Change |
| 222400C | BM63364S-VCG | BM63364S-VCG | #N/A | HSDIP25GE | BM63364S-VCPG | BM63364S-VCG | HSDIP25GE | No Change |
| 222400C | BM63373S-VAG | BM63373S-VAG | #N/A | HSDIP25GE | BM63373S-VAPG | BM63373S-VAG | HSDIP25GE | No Change |
| 222400C | BM63373S-VCG | BM63373S-VCG | #N/A | HSDIP25GE | BM63373S-VCPG | BM63373S-VCG | HSDIP25GE | No Change |
| 222400C | BM63374S-VAG | BM63374S-VAG | #N/A | HSDIP25GE | BM63374S-VAPG | BM63374S-VAG | HSDIP25GE | No Change |
| 222400C | BM63374S-VCG | BM63374S-VCG | #N/A | HSDIP25GE | BM63374S-VCPG | BM63374S-VCG | HSDIP25GE | No Change |
| 222400C | BM63375S-VAG | BM63375S-VAG | #N/A | HSDIP25GE | BM63375S-VAPG | BM63375S-VAG | HSDIP25GE | No Change |
| 222400C | BM63375S-VCG | BM63375S-VCG | #N/A | HSDIP25GE | BM63375S-VCPG | BM63375S-VCG | HSDIP25GE | No Change |
| 222400C | BM63377S-VAG | BM63377S-VAG | #N/A | HSDIP25GE | BM63377S-VAPG | BM63377S-VAG | HSDIP25GE | No Change |
| 222400C | BM63377S-VCG | BM63377S-VCG | #N/A | HSDIP25GE | BM63377S-VCPG | BM63377S-VCG | HSDIP25GE | No Change |
| 222400C | BM63563S-VAG | BM63563S-VAG | #N/A | HSDIP25GE | BM63563S-VAPG | BM63563S-VAG | HSDIP25GE | No Change |
| 222400C | BM63563S-VCG | BM63563S-VCG | #N/A | HSDIP25GE | BM63563S-VCPG | BM63563S-VCG | HSDIP25GE | No Change |
| 222400C | BM63564S-VAG | BM63564S-VAG | #N/A | HSDIP25GE | BM63564S-VAPG | BM63564S-VAG | HSDIP25GE | No Change |
| 222400C | BM63564S-VCG | BM63564S-VCG | #N/A | HSDIP25GE | BM63564S-VCPG | BM63564S-VCG | HSDIP25GE | No Change |
| 222400C | BM63573S-VAG | BM63573S-VAG | #N/A | HSDIP25GE | BM63573S-VAPG | BM63573S-VAG | HSDIP25GE | No Change |
| 222400C | BM63573S-VCG | BM63573S-VCG | #N/A | HSDIP25GE | BM63573S-VCPG | BM63573S-VCG | HSDIP25GE | No Change |
| 222400C | BM63574S-VAG | BM63574S-VAG | #N/A | HSDIP25GE | BM63574S-VAPG | BM63574S-VAG | HSDIP25GE | No Change |
| 222400C | BM63574S-VCG | BM63574S-VCG | #N/A | HSDIP25GE | BM63574S-VCPG | BM63574S-VCG | HSDIP25GE | No Change |
| 222400C | BM63575S-VAG | BM63575S-VAG | #N/A | HSDIP25GE | BM63575S-VAPG | BM63575S-VAG | HSDIP25GE | No Change |
| 222400C | BM63575S-VCG | BM63575S-VCG | #N/A | HSDIP25GE | BM63575S-VCPG | BM63575S-VCG | HSDIP25GE | No Change |
| 222400C | BM63577S-VAG | BM63577S-VAG | #N/A | HSDIP25GE | BM63577S-VAPG | BM63577S-VAG | HSDIP25GE | No Change |
| 222400C | BM63577S-VCG | BM63577S-VCG | #N/A | HSDIP25GE | BM63577S-VCPG | BM63577S-VCG | HSDIP25GE | No Change |
| 222400C | BM63763S-VAG | BM63763S-VAG | #N/A | HSDIP25GE | BM63763S-VAPG | BM63763S-VAG | HSDIP25GE | No Change |
| 222400C | BM63763S-VCG | BM63763S-VCG | #N/A | HSDIP25GE | BM63763S-VCPG | BM63763S-VCG | HSDIP25GE | No Change |
| 222400C | BM63764S-VAG | BM63764S-VAG | #N/A | HSDIP25GE | BM63764S-VAPG | BM63764S-VAG | HSDIP25GE | No Change |
| 222400C | BM63764S-VCG | BM63764S-VCG | #N/A | HSDIP25GE | BM63764S-VCPG | BM63764S-VCG | HSDIP25GE | No Change |
| 222400C | BM63767S-VAG | BM63767S-VAG | #N/A | HSDIP25GE | BM63767S-VAPG | BM63767S-VAG | HSDIP25GE | No Change |
| 222400C | BM63767S-VCG | BM63767S-VCG | #N/A | HSDIP25GE | BM63767S-VCPG | BM63767S-VCG | HSDIP25GE | No Change |
| 222400C | BM63963S-VAG | BM63963S-VAG | #N/A | HSDIP25GE | BM63963S-VAPG | BM63963S-VAG | HSDIP25GE | No Change |
| 222400C | BM63963S-VCG | BM63963S-VCG | #N/A | HSDIP25GE | BM63963S-VCPG | BM63963S-VCG | HSDIP25GE | No Change |
| 222400C | BM63964S-VAG | BM63964S-VAG | #N/A | HSDIP25GE | BM63964S-VAPG | BM63964S-VAG | HSDIP25GE | No Change |
| 222400C | BM63964S-VCG | BM63964S-VCG | #N/A | HSDIP25GE | BM63964S-VCPG | BM63964S-VCG | HSDIP25GE | No Change |
| 222400C | BM63967S-VAG | BM63967S-VAG | #N/A | HSDIP25GE | BM63967S-VAPG | BM63967S-VAG | HSDIP25GE | No Change |
| 222400C | BM63967S-VCG | BM63967S-VCG | #N/A | HSDIP25GE | BM63967S-VCPG | BM63967S-VCG | HSDIP25GE | No Change |
| 222400C | BM64364S-VAB | BM64364S-VA | #N/A | HSDIP25 | BM64364S-VABP | BM64364S-VA | HSDIP25 | No Change |
| 222400C | BM64364S-VAG | BM64364S-VAG | #N/A | HSDIP25GE | BM64364S-VAPG | BM64364S-VAG | HSDIP25GE | No Change |
| 222400C | BM64364S-VCG | BM64364S-VCG | #N/A | HSDIP25GE | BM64364S-VCPG | BM64364S-VCG | HSDIP25GE | No Change |
| 222400C | BM64365S-VAB | BM64365S-VA | #N/A | HSDIP25 | BM64365S-VABP | BM64365S-VA | HSDIP25 | No Change |
| 222400C | BM64365S-VAG | BM64365S-VAG | #N/A | HSDIP25GE | BM64365S-VAPG | BM64365S-VAG | HSDIP25GE | No Change |
| 222400C | BM64365S-VAS | BM64365S-VA | #N/A | HSDIP25 | BM64365S-VASP | BM64365S-VA | HSDIP25 | No Change |
| 222400C | BM64365S-VAT | BM64365S-VA | #N/A | HSDIP25 | BM64365S-VATP | BM64365S-VA | HSDIP25 | No Change |
| 222400C | BM64365S-VCG | BM64365S-VCG | #N/A | HSDIP25GE | BM64365S-VCPG | BM64365S-VCG | HSDIP25GE | No Change |
| 222400C | BM64374S-VAG | BM64374S-VAG | #N/A | HSDIP25GE | BM64374S-VAPG | BM64374S-VAG | HSDIP25GE | No Change |
| 222400C | BM64374S-VCG | BM64374S-VCG | #N/A | HSDIP25GE | BM64374S-VCPG | BM64374S-VCG | HSDIP25GE | No Change |
| 222400C | BM64375S-VAG | BM64375S-VAG | #N/A | HSDIP25GE | BM64375S-VAPG | BM64375S-VAG | HSDIP25GE | No Change |
| 222400C | BM64375S-VCG | BM64375S-VCG | #N/A | HSDIP25GE | BM64375S-VCPG | BM64375S-VCG | HSDIP25GE | No Change |
| 222400C | BM64377S-VAG | BM64377S-VAG | #N/A | HSDIP25GE | BM64377S-VAPG | BM64377S-VAG | HSDIP25GE | No Change |
| 222400C | BM64377S-VCG | BM64377S-VCG | #N/A | HSDIP25GE | BM64377S-VCPG | BM64377S-VCG | HSDIP25GE | No Change |
| 222400C | BM64378S-VAG | BM64378S-VAG | #N/A | HSDIP25GE | BM64378S-VAPG | BM64378S-VAG | HSDIP25GE | No Change |
| 222400C | BM64378S-VCG | BM64378S-VCG | #N/A | HSDIP25GE | BM64378S-VCPG | BM64378S-VCG | HSDIP25GE | No Change |
| 222400C | BM64564S-VAB | BM64564S-VA | #N/A | HSDIP25 | BM64564S-VABP | BM64564S-VA | HSDIP25 | No Change |
| 222400C | BM64564S-VAG | BM64564S-VAG | #N/A | HSDIP25GE | BM64564S-VAPG | BM64564S-VAG | HSDIP25GE | No Change |
| 222400C | BM64564S-VAS | BM64564S-VA | #N/A | HSDIP25 | BM64564S-VASP | BM64564S-VA | HSDIP25 | No Change |
| 222400C | BM64564S-VCG | BM64564S-VCG | #N/A | HSDIP25GE | BM64564S-VCPG | BM64564S-VCG | HSDIP25GE | No Change |
| 222400C | BM64565S-VAB | BM64565S-VA | #N/A | HSDIP25 | BM64565S-VABP | BM64565S-VA | HSDIP25 | No Change |
| 222400C | BM64565S-VAG | BM64565S-VAG | #N/A | HSDIP25GE | BM64565S-VAPG | BM64565S-VAG | HSDIP25GE | No Change |
| 222400C | BM64565S-VAS | BM64565S-VA | #N/A | HSDIP25 | BM64565S-VASP | BM64565S-VA | HSDIP25 | No Change |
| 222400C | BM64565S-VCG | BM64565S-VCG | #N/A | HSDIP25GE | BM64565S-VCPG | BM64565S-VCG | HSDIP25GE | No Change |
| 222400C | BM65364S-VAG | BM65364S-VAG | #N/A | HSDIP25GE | BM65364S-VAPG | BM65364S-VAG | HSDIP25GE | No Change |
| 222400C | BM65364S-VAS | BM65364S-VA | #N/A | HSDIP25 | BM65364S-VASP | BM65364S-VA | HSDIP25 | No Change |
| 222400C | BM65364S-VAW | BM65364S-VA | #N/A | HSDIP25 | BM65364S-VAWP | BM65364S-VA | HSDIP25 | No Change |
| 222400C | BM65364S-VCG | BM65364S-VCG | #N/A | HSDIP25GE | BM65364S-VCPG | BM65364S-VCG | HSDIP25GE | No Change |
| 222400C | BM65364S-VCS | BM65364S-VC | #N/A | HSDIP25 | BM65364S-VCSP | BM65364S-VC | HSDIP25 | No Change |
| 222400C | BM65464S-VA | BM65464S-VA | #N/A | HSDIP25 | BM65464S-VAP | BM65464S-VA | HSDIP25 | No Change |
| 222400C | BM65464S-VAG | BM65464S-VAG | #N/A | HSDIP25GE | BM65464S-VAPG | BM65464S-VAG | HSDIP25GE | No Change |
| 222400C | BM65464S-VCG | BM65464S-VCG | #N/A | HSDIP25GE | BM65464S-VCPG | BM65464S-VCG | HSDIP25GE | No Change |