



PCN OS-PCN-2018-007-A

Introduction of additional frontend production location Kulim for OSRAM OSTAR Headlamp and OSRON Compact

OS QM CQM | 03.09.2018

Light is OSRAM

OS-PCN-2018-007-A

Introduction of additional frontend production location Kulim for OSRAM OSTAR Headlamp and OSRON Compact



Overview

- Secure continuous supply – lower risk of allocation
- Increase chip production capacity to meet growing market demand with frontend production at new location Kulim (Malaysia)
- All frontend locations (Regensburg, Penang and additionally Kulim) will be released for finished good assembly.
- Follow Mid-term manufacturing footprint strategy
- Therefore release of all chip production location sites is necessary to ensure deliveries.
- no change in fit / form / function or reliability

OS-PCN-2018-007-A

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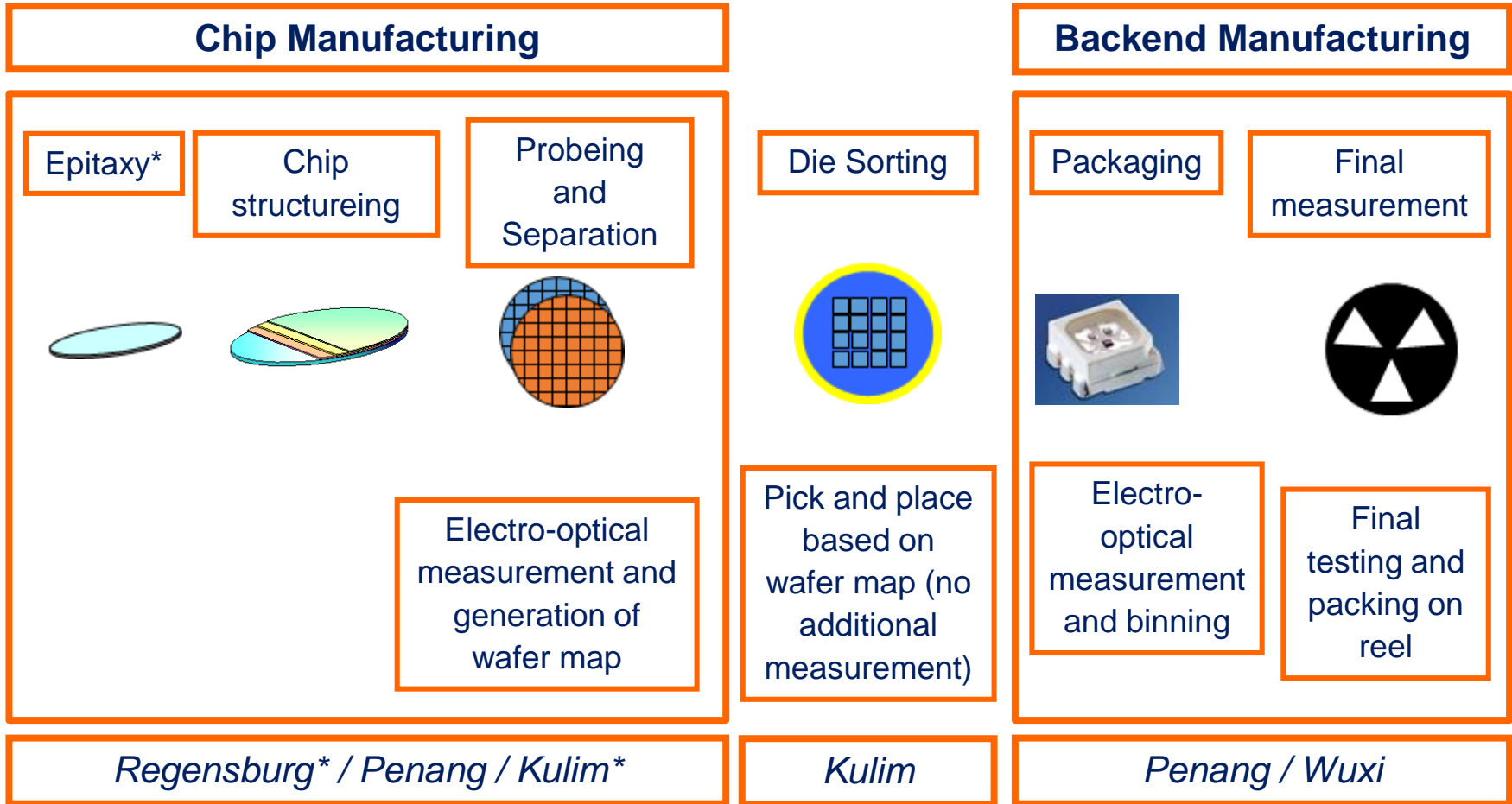


Description of change

| Current status | New status |
|--|---|
| <p>Chip production in</p> <ul style="list-style-type: none">• Regensburg / Germany• Penang / Malaysia | <p>Chip production in</p> <ul style="list-style-type: none">• Regensburg / Germany• Penang / Malaysia• Kulim / Malaysia |

OS-PCN-2018-007-A

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OS-PCN-2018-007-A

Introduction of additional frontend production location Kulim for OSRAM OSTAR Headlamp and OSLON Compact



List of affected products:

| OSRAM OSTAR Headlamp Pro | | OSLON Submount CL | OSLON Compact CL |
|--------------------------|---------------|-------------------|------------------|
| LE UW U1A2 01 | LE UW T1A4 01 | KW C2L5L1.TE | LCY CEUP |
| LE UW U1A3 01 | LE UW T1A5 01 | KW C3L5L1.TE | LUW CEUP.CE |
| LE UW U1A4 01 | LE UW T1A6 12 | | LUW CEUP.HD |
| LE UW U1A5 01 | | | LUW CEUN.CE |
| LE UW U1A4 11 | | | |
| LE UW U1A5 11 | | | |

OS-PCN-2018-007-A

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PCN samples:

| OSRAM OSTAR Headlamp Pro | | OSRON Submount CL | OSRON Compact CL |
|--------------------------|---------------|-------------------|------------------|
| LE UW U1A2.01 | LW UW T1A4.01 | KW C2L5L1.TE | LCY CEUP |
| LE UW U1A3.01 | LW UW T1A5.01 | KW C3L5L1.TE | LUW CEUP.CE |
| LE UW U1A4.01 | LW UW T1A6.12 | | LUW CEUP.HD |
| LE UW U1A5.01 | | | LUW CEUN.CE |
| LE UW U1A4.11 | | | |
| LE UW U1A5.11 | | | |



on request
available in September 2018

OS-PCN-2018-007-A

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Time schedule

- Qualification report available: available
- Production release: 01.10.2018
- Start of delivery: 01.12.2018 *)
*) or earlier if released by customer
- Last time order date: 01.08.2019**)
**) last date for ordering products of current status
- Last time delivery date: 01.02.2020***)
***) last date for delivery of products in current status

QUALITY
FIRST

Thank you.

| ReleaseDate | ImplementDate | ProdAffected | QNbr | QNbrDesc | QNbrDesc_Z1 |
|-------------|---------------|--------------|-------------|---------------------------------------|------------------------------------|
| 02-Jul-18 | 01-Jan-19 | KW C2L5L1.TE | Q65112A0504 | KW C2L5L1.TE-7P5Q-EBXD46EBZB46-0-VL | KW C2L5L1.TE-7P5Q-EBXD46EBZB46-VL |
| 02-Jul-18 | 01-Jan-19 | KW C2L5L1.TE | Q65111A8027 | KW C2L5L1.TE-7P6Q-EBVF46EBZB46-0-VL | KW C2L5L1.TE-7P6Q-EBVF46EBZB46-VL |
| 02-Jul-18 | 01-Jan-19 | KW C2L5L1.TE | Q65112A0684 | KW C2L5L1.TE-7PF5Q-EBVF46EBXD46-0-VL | KW C2L5L1.TE-7PF5Q-EBVF46EBXD46-VL |
| 02-Jul-18 | 01-Jan-19 | KW C2L5L1.TE | Q65112A1136 | KW C2L5L1.TE-7PF5Q-EBXD46EBZB46-0-VL | KW C2L5L1.TE-7PF5Q-EBXD46EBZB46-VL |
| 02-Jul-18 | 01-Jan-19 | KW C3L5L1.TE | Q65111A8026 | KW C3L5L1.TE-6QF5R-EBVF46EBZB46-0-VL | KW C3L5L1.TE-6QF5R-EBVF46EBZB46-VL |
| 02-Jul-18 | 01-Jan-19 | KW C3L5L1.TE | Q65112A0683 | KW C3L5L1.TE-7Q8Q-EBVF46EBXD46-0-VL | KW C3L5L1.TE-7Q8Q-EBVF46EBXD46-VL |
| 02-Jul-18 | 01-Jan-19 | KW C3L5L1.TE | Q65112A1135 | KW C3L5L1.TE-7Q8QF-EBVF46EBXD46-0-VL | KW C3L5L1.TE-7Q8QF-EBVF46EBXD46-VL |
| 02-Jul-18 | 01-Jan-19 | KW C3L5L1.TE | Q65112A1134 | KW C3L5L1.TE-7Q8QF-EBXD46EBZB46-0-VL | KW C3L5L1.TE-7Q8QF-EBXD46EBZB46-VL |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A4469 | LCY CEUP-5L7L-5F5G-1-700-R18-Z | LCY CEUP-5L7L-5F5G-1 |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A5408 | LCY CEUP-5L7L-5F5G-1-700-R18-Z-ZKW | LCY CEUP-5L7L-5F5G-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A8150 | LCY CEUP-6L6M-5F5G-1-700-R18-Z-ZKW | LCY CEUP-6L6M-5F5G-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A7159 | LCY CEUP-6L6M-5F5G-8E8G-700-R18-Z | LCY CEUP-6L6M-5F5G-8E8G |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A5471 | LCY CEUP-6L7L-5F5G-1-700-R18-Z-ZKW | LCY CEUP-6L7L-5F5G-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A6027 | LCY CEUP-6L8L-5F5G-1-700-R18-Z-AL | LCY CEUP-6L8L-5F5G-1-Z-AL |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A7943 | LCY CEUP-6L8L-5F5G-1-700-R18-Z-HAN | LCY CEUP-6L8L-5F5G-1-HAN |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A8965 | LCY CEUP-6L8L-5F5G-1-700-R18-Z-VAR | LCY CEUP-6L8L-5F5G-1-Z-VAR |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A8374 | LCY CEUP-6L8L-5F5G-1-700-R18-Z-VL | LCY CEUP-6L8L-5F5G-1-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A7056 | LCY CEUP-6L8L-5F5G-1-700-R18-Z-ZKW | LCY CEUP-6L8L-5F5G-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A7225 | LCY CEUP-6L8L-5F5G-1-700-R18-Z-ZKW | LCY CEUP-6L8L-5F5G-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A7826 | LCY CEUP-7L5M-5F5G-1-700-R18-Z-ZKW | LCY CEUP-7L5M-5F5G-1-ZKW |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65112A1233 | LCY CEUP-7L5M-5F5G-8E8G-700-R18-Z-MAG | LCY CEUP-7L5M-5F5G-8E8G-Z-MAG |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A9979 | LCY CEUP-7L5M-5F5G-8E8G-700-R18-Z-VAR | LCY CEUP-7L5M-5F5G-8E8G-Z-VAR |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A9544 | LCY CEUP-7L5M-5F5G-8E8G-700-R18-Z-VL | LCY CEUP-7L5M-5F5G-8E8G-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65112A2085 | LCY CEUP-7L6M-5F5G-8E8F-700-R18-Z-ZKW | LCY CEUP-7L6M-5F5G-8E8F-ZKW |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65112A1953 | LCY CEUP-7L6M-5F5G-8E8G-700-R18-Z-LM | LCY CEUP-7L6M-5F5G-8E8G-Z-LM |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65112A1785 | LCY CEUP-7L7M-5F5G-8E8G-700-R18-Z-ZKW | LCY CEUP-7L7M-5F5G-8E8G-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A7888 | LCY CEUP-7L8L-5F-1-700-R18-Z-AL | LCY CEUP-7L8L-5F-1-AL |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A7887 | LCY CEUP-7L8L-5F5G-1-700-R18-Z-AL | LCY CEUP-7L8L-5F5G-1-AL |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65112A0510 | LCY CEUP-7L8L-5F5G-8E8G-700-R18-Z-VL | LCY CEUP-7L8L-5F5G-8E8G-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65111A9339 | LCY CEUP-7L8L-5F-8E8G-700-R18-Z-HAN | LCY CEUP-7L8L-5F-8E8G-Z-HAN |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65112A0511 | LCY CEUP-7L8L-5F-8E8G-700-R18-Z-VL | LCY CEUP-7L8L-5F-8E8G-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65112A2402 | LCY CEUP-8L6M-5F5G-8E8G-700-R18-Z-VAR | LCY CEUP-8L6M-5F5G-8E8G-Z-VAR |

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| 02-Jul-18 | 01-Jan-19 | LCY CEUP | Q65112A1714 | LCY CEUP-8L6M-5F5G-8E8G-700-R18-Z-ZKW | LCY CEUP-8L6M-5F5G-8E8G-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A4 01 | Q65111A7248 | LE UW T1A4 01-5R6R-EBXD46EBZB46-T01-LM | LE UW T1A4 01-5R6R-EBXD46EBZB46-T01-LM |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A4 01 | Q65111A7249 | LE UW T1A4 01-5R6R-EBXD46-T01-LM | LE UW T1A4 01-5R6R-EBXD46-LM |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A4 01 | Q65111A9371 | LE UW T1A4 01-8Q6R-FCBB46-T01-LM | LE UW T1A4 01-8Q6R-FCBB46-LM |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A4 01 | Q65111A5583 | LE UW T1A4 01-8Q8R-ebvF46fcbB46-T01 | LE UW T1A4 01-8Q8R-ebvF46fcbB46 |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A5 01 | Q65111A5582 | LE UW T1A5 01-6R6S-ebvF46fcbB46-T01 | LE UW T1A5 01-6R6S-ebvF46fcbB46 |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A5 01 | Q65112A1671 | LE UW T1A5 01-6R7R-EBXD46-T01-LM | LE UW T1A5 01-6R7R-EBXD46-LM |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A5 01 | Q65111A8521 | LE UW T1A5 01-6R8R-EBXD46EBZB46-T01-LM | LE UW T1A5 01-6R8R-EBXD46EBZB46-LM |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A6 12 | Q65111A9223 | LE UW T1A6 12-S7-EBXD46EBZB46-TU05 | LE UW T1A6 12-S7-EBXD46EBZB46 |
| 02-Jul-18 | 01-Jan-19 | LE UW T1A6 12 | Q65111A5103 | LE UW T1A6 12-SYTX-ebxD68-T01 | LE UW T1A6 12-SYTX-ebxD68-T01 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A2089 | LE UW U1A2 01-5P8P-ebvF68ebzB68-T01 | LE UW U1A2 01-5P8P-ebvF68ebzB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A5407 | LE UW U1A2 01-5P8P-ebxD68-T10 | LE UW U1A2 01-5P8P-ebxD68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A7564 | LE UW U1A2 01-6P5Q-EBVF68EBZB68-T10 | LE UW U1A2 01-6P5Q-EBVF68EBZB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A2763 | LE UW U1A2 01-6P5Q-ebxD68-T10-HE | LE UW U1A2 01-6P5Q-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A8520 | LE UW U1A2 01-6P5Q-EBXD68-T10-Q-HE | LE UW U1A2 01-6P5Q-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A5102 | LE UW U1A2 01-6P7P-ebxD68-T10-HE | LE UW U1A2 01-6P7P-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A3135 | LE UW U1A2 01-6P-ebxD68-T10-AL | LE UW U1A2 01-6P-ebxD68-AL |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A6323 | LE UW U1A2 01-7P6Q-ebxD68-T10-HE | LE UW U1A2 01-7P6Q-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A8518 | LE UW U1A2 01-7P6Q-EBXD68-T10-Q-HE | LE UW U1A2 01-7P6Q-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65112A0470 | LE UW U1A2 01-7P8P-EBXD68-T10-Q-HE | LE UW U1A2 01-7P8P-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A2 01 | Q65111A4246 | LE UW U1A2 01-7P-ebxD68-T10-AL | LE UW U1A2 01-7P-ebxD68-L-AL |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A2511 | LE UW U1A3 01-5Q7Q-ebxD68-T10-HE | LE UW U1A3 01-5Q7Q-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A8538 | LE UW U1A3 01-5Q7Q-EBXD68-T10-Q-HE | LE UW U1A3 01-5Q7Q-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A4111 | LE UW U1A3 01-5Q8Q-ebxD68-T10 | LE UW U1A3 01-5Q8Q-ebxD68-T10 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A7563 | LE UW U1A3 01-6Q6R-EBVF68EBZB68-T10 | LE UW U1A3 01-6Q6R-EBVF68EBZB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A3021 | LE UW U1A3 01-6Q7Q-ebxD68-T10-HE | LE UW U1A3 01-6Q7Q-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A8537 | LE UW U1A3 01-6Q7Q-EBXD68-T10-Q-HE | LE UW U1A3 01-6Q7Q-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65112A2383 | LE UW U1A3 01-6Q8Q-EBXD68-T10-Q-HE | LE UW U1A3 01-6Q8Q-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A3134 | LE UW U1A3 01-6Q-ebxD68-T10-AL | LE UW U1A3 01-6Q-ebxD68-AL |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65112A2382 | LE UW U1A3 01-7Q8Q-EBXD68-T10-Q-HE | LE UW U1A3 01-7Q8Q-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A8338 | LE UW U1A3 01-7Q-EBXD68-T10-AL | LE UW U1A3 01-7Q-EBXD68-T10-AL |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A3 01 | Q65111A2088 | LE UW U1A3 01-8P8Q-ebvF68ebzB68-T01 | LE UW U1A3 01-8P8Q-ebvF68ebzB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65112A1095 | LE UW U1A4 01-5R6R-EBXD68-T10-Q-HE | LE UW U1A4 01-5R6R-EBXD68-HE |

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|-----------|-----------|---------------|-------------|-------------------------------------|-------------------------------------|
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A6620 | LE UW U1A4 01-5R6R-ebxD68-T10-XX | LE UW U1A4 01-5R6R-ebxD68-T10-XX |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A5101 | LE UW U1A4 01-5R7R-ebxD68-T10-HE | LE UW U1A4 01-5R7R-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A8536 | LE UW U1A4 01-5R7R-EBXD68-T10-Q-HE | LE UW U1A4 01-5R7R-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A8771 | LE UW U1A4 01-5R7R-EBXD68-T10-ZKW | LE UW U1A4 01-5R7R-EBXD68-ZKW |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A6689 | LE UW U1A4 01-5R8R-EBXD68-T10-XX | LE UW U1A4 01-5R8R-EBXD68-T10-XX |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A5612 | LE UW U1A4 01-5R-ebxD68-T10-AL | LE UW U1A4 01-5R-ebxD68-AL |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A7251 | LE UW U1A4 01-6R8R-EBXD68EBZB68-VAR | LE UW U1A4 01-6R8R-EBXD68EBZB68-VAR |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A9794 | LE UW U1A4 01-6R8R-EBXD68-T10-VAR | LE UW U1A4 01-6R8R-EBXD68-T10-VAR |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A2087 | LE UW U1A4 01-7Q6R-ebvF68ebzB68-T01 | LE UW U1A4 01-7Q6R-ebvF68ebzB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A5406 | LE UW U1A4 01-7Q6R-ebxD68-T10 | LE UW U1A4 01-7Q6R-ebxD68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A4110 | LE UW U1A4 01-8Q6R-ebxD68-T10 | LE UW U1A4 01-8Q6R-ebxD68-T10 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A2512 | LE UW U1A4 01-8Q6R-ebxD68-T10-HE | LE UW U1A4 01-8Q6R-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A8535 | LE UW U1A4 01-8Q6R-EBXD68-T10-Q-HE | LE UW U1A4 01-8Q6R-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A3436 | LE UW U1A4 01-8Q7R-ebxD68-T10-HE | LE UW U1A4 01-8Q7R-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A8534 | LE UW U1A4 01-8Q7R-EBXD68-T10-Q-HE | LE UW U1A4 01-8Q7R-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 01 | Q65111A7562 | LE UW U1A4 01-8Q8R-EBVF68EBZB68-T10 | LE UW U1A4 01-8Q8R-EBVF68EBZB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 11 | Q65112A0784 | LE UW U1A4 11-6R7R-EBXD68FCBB68-T05 | LE UW U1A4 11-6R7R-EBXD68FCBB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 11 | Q65111A9965 | LE UW U1A4 11-6R7R-EBZB68-T05-HAN | LE UW U1A4 11-6R7R-EBZB68-T05-HAN |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A4 11 | Q65112A2305 | LE UW U1A4 11-6R7R-FCBB68-T05-HAN | LE UW U1A4 11-6R7R-FCBB68-HAN |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A2086 | LE UW U1A5 01-5R8R-ebvF68ebzB68-T10 | LE UW U1A5 01-5R8R-ebvF68ebzB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A4100 | LE UW U1A5 01-5R8R-ebxD68-T10 | LE UW U1A5 01-5R8R-ebxD68-T10 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A4470 | LE UW U1A5 01-6R5S-ebxD68ebzB68-T10 | LE UW U1A5 01-6R5S-ebxD68ebzB68-T10 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A6690 | LE UW U1A5 01-6R5S-EBXD68-T10 | LE UW U1A5 01-6R5S-EBXD68-T10 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A3435 | LE UW U1A5 01-6R5S-ebxD68-T10-HE | LE UW U1A5 01-6R5S-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A8533 | LE UW U1A5 01-6R5S-EBXD68-T10-Q-HE | LE UW U1A5 01-6R5S-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A3928 | LE UW U1A5 01-6R5S-ebzB68-T10 | LE UW U1A5 01-6R5S-ebzB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A7561 | LE UW U1A5 01-6R6S-EBVF68EBZB68-T10 | LE UW U1A5 01-6R6S-EBVF68EBZB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A4592 | LE UW U1A5 01-6R7R-ebzB68-T10-XX | LE UW U1A5 01-6R7R-ebzB68-T10-XX |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65112A2066 | LE UW U1A5 01-6R8R-EBXD68-T10-XX | LE UW U1A5 01-6R8R-EBXD68-T10-XX |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A3133 | LE UW U1A5 01-6R-ebxD68-T10-AL | LE UW U1A5 01-6R-ebxD68-AL |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A8574 | LE UW U1A5 01-7R5S-EBXD68-T10-Q-HE | LE UW U1A5 01-7R5S-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A8575 | LE UW U1A5 01-7R8R-EBXD68-T10-Q-HE | LE UW U1A5 01-7R8R-EBXD68-Q-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A4245 | LE UW U1A5 01-7R-ebxD68-T10-AL | LE UW U1A5 01-7R-ebxD68-AL |

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| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65112A1490 | LE UW U1A5 01-8R6S-EBVF68EBZB68-T10-Q-XX | LE UW U1A5 01-8R6S-EBVF68EBZB68-T10-Q-XX |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65112A2224 | LE UW U1A5 01-8R6S-EBXD68EBZB68-T10-Q-XX | LE UW U1A5 01-8R6S-EBXD68EBZB68-T10-XX |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A2669 | LE UW U1A5 01-R75S-ebxD68-T10-HE | LE UW U1A5 01-R75S-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 01 | Q65111A5100 | LE UW U1A5 01-R78R-ebxD68-T10-HE | LE UW U1A5 01-R78R-ebxD68-HE |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 11 | Q65112A0095 | LE UW U1A5 11-RUSP-EBXD68FCBB68-T05 | LE UW U1A5 11-RUSP-EBXD68FCBB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 11 | Q65112A0093 | LE UW U1A5 11-RUSP-EBZB68-T05-HAN | LE UW U1A5 11-RUSP-EBZB68 |
| 02-Jul-18 | 01-Jan-19 | LE UW U1A5 11 | Q65112A2304 | LE UW U1A5 11-RUSP-FCBB68-T05-HAN | LE UW U1A5 11-RUSP-FCBB68-HAN |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A1860 | LUW CEUP.CE-5M8M-HNJNI-1-700-R18-Z | LUW CEUP.CE-5M8M-HNJNI-1-Z |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A6991 | LUW CEUP.CE-5M8M-HNJNI-1-700-R18-Z-LM | LUW CEUP.CE-5M8M-HNJNI-1-Z-LM |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A6218 | LUW CEUP.CE-6M5N-IN-1-700-R18-Z-HE | LUW CEUP.CE-6M5N-IN-1-Z-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7226 | LUW CEUP.CE-6M5N-IN-1-700-R18-Z-ZKW | LUW CEUP.CE-6M5N-IN-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7245 | LUW CEUP.CE-6M7M-HNJNI-1-700-R18-Z | LUW CEUP.CE-6M7M-HNJNI-R18-Z |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A2130 | LUW CEUP.CE-6M7M-IN-1-700-R18-Z-HAN | LUW CEUP.CE-6M7M-IN-1-Z-HAN |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5233 | LUW CEUP.CE-6M8M-HN-1-700-R18-Z-AL | LUW CEUP.CE-6M8M-HN-1-Z-AL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5391 | LUW CEUP.CE-6M8M-HN-1-700-R18-Z-ZKW | LUW CEUP.CE-6M8M-HN-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A6838 | LUW CEUP.CE-6M8M-HNJNI-1-700-R18-Z-VL | LUW CEUP.CE-6M8M-HNJNI-1-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5667 | LUW CEUP.CE-6M8M-IN-1-700-R18-Z | LUW CEUP.CE-6M8M-IN-1-Z |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A4903 | LUW CEUP.CE-6M8M-IN-1-700-R18-Z-AL | LUW CEUP.CE-6M8M-IN-1-Z-AL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7158 | LUW CEUP.CE-6M8M-IN-1-700-R18-Z-HE | LUW CEUP.CE-6M8M-IN-1-Z-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A1878 | LUW CEUP.CE-6M8M-IN-1-700-R18-Z-IND | LUW CEUP.CE-6M8M-IN-1-IND |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A4302 | LUW CEUP.CE-6M8M-IN-8E8G-700-R18-Z-ZKW | LUW CEUP.CE-6M8M-IN-8E8G-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9777 | LUW CEUP.CE-6M8M-INJN-8E8G-700-R18-Z-SK | LUW CEUP.CE-6M8M-INJN-8E8G-Z-SK |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5097 | LUW CEUP.CE-6M8M-JN-1-700-R18-Z-VAR | LUW CEUP.CE-6M8M-JN-1-Z-VAR |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5395 | LUW CEUP.CE-7M5N-HN-1-700-R18-Z-ZKW | LUW CEUP.CE-7M5N-HN-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7025 | LUW CEUP.CE-7M5N-HNJNI-1-700-R18-Z-VL | LUW CEUP.CE-7M5N-HNJNI-1-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7777 | LUW CEUP.CE-7M5N-IN-1-700-R18-Z-AL | LUW CEUP.CE-7M5N-IN-1-Z-AL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5106 | LUW CEUP.CE-7M5N-IN-1-700-R18-Z-HE | LUW CEUP.CE-7M5N-IN-1-Z-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7004 | LUW CEUP.CE-7M5N-IN-1-700-R18-ZS-ZKW | LUW CEUP.CE-7M5N-IN-1-ZS-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A6837 | LUW CEUP.CE-7M5N-IN-1-700-R18-Z-ZKW | LUW CEUP.CE-7M5N-IN-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9776 | LUW CEUP.CE-7M5N-IN-8E8G-700-R18-Z-VAR | LUW CEUP.CE-7M5N-IN-8E8G-Z-VAR |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A6455 | LUW CEUP.CE-7M5N-INJN-1-700-R18-Z-VAR | LUW CEUP.CE-7M5N-INJN-1-Z-VAR |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A6611 | LUW CEUP.CE-7M5N-INJN-1-700-R18-Z-VL | LUW CEUP.CE-7M5N-INJN-1-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7776 | LUW CEUP.CE-7M5N-INJN-1-700-R18-Z-XX | LUW CEUP.CE-7M5N-INJN-1-Z-XX |

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| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9703 | LUW CEUP.CE-7M5N-JN-8E8G-700-R18-Z-ZKW | LUW CEUP.CE-7M5N-JN-8E8G-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A4764 | LUW CEUP.CE-7M6N-IN-1-700-R18-Z-HE | LUW CEUP.CE-7M6N-IN-1-Z-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A8958 | LUW CEUP.CE-7M6N-IN-1-700-R18-Z-ZKW | LUW CEUP.CE-7M6N-IN-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9816 | LUW CEUP.CE-7M6N-IN-8E8F-700-R18-Z-ZKW | LUW CEUP.CE-7M6N-IN-8E8F-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A1986 | LUW CEUP.CE-7M6N-JN-1-700-R18-Z-HE | LUW CEUP.CE-7M6N-JN-1-Z-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A2084 | LUW CEUP.CE-7M6N-JN-8E8G-700-R18-Z-ZKW | LUW CEUP.CE-7M6N-JN-8E8G-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7508 | LUW CEUP.CE-7M8M-FCBB46-1-700-R18-Z-HAN | LUW CEUP.CE-7M8M-FCBB46-1-Z-HAN |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A2147 | LUW CEUP.CE-7M8M-HN-1-700-R18-Z-HAN | LUW CEUP.CE-7M8M-HN-1-Z-HAN |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A0509 | LUW CEUP.CE-7M8M-HNIN-8E8G-700-R18-Z-VL | LUW CEUP.CE-7M8M-HNIN-8E8G-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A0508 | LUW CEUP.CE-7M8M-HNIN-8E8G-700-R18-Z-VL | LUW CEUP.CE-7M8M-HNIN-8E8G-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7509 | LUW CEUP.CE-7M8M-IN-1-700-R18-Z-HAN | LUW CEUP.CE-7M8M-IN-Z-HAN |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5666 | LUW CEUP.CE-7M8M-IN-1-700-R18-Z-HE | LUW CEUP.CE-7M8M-IN-1-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9984 | LUW CEUP.CE-7M8M-IN-8E8G-700-R18-Z-VAR | LUW CEUP.CE-7M8M-IN-8E8G-Z-VAR |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A1623 | LUW CEUP.CE-7M8M-IN-8E8G-700-R18-Z-XX | LUW CEUP.CE-7M8M-IN-8E8G-Z-XX |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A1098 | LUW CEUP.CE-7M-INJN-8E8G-700-R18-Z-SK | LUW CEUP.CE-7M-INJN-8E8G-Z-SK |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9047 | LUW CEUP.CE-M75N-HNIN-1-700-R18-Z-VL | LUW CEUP.CE-M75N-HNIN-1-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5394 | LUW CEUP.CE-M75N-IN-1-700-R18-Z-AL | LUW CEUP.CE-M75N-IN-1-AL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A5787 | LUW CEUP.CE-M75N-IN-1-700-R18-Z-ZKW | LUW CEUP.CE-M75N-IN-1-Z-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A0443 | LUW CEUP.CE-M75N-IN-8E8G-700-R18-Z-VL | LUW CEUP.CE-M75N-IN-8E8G-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A8678 | LUW CEUP.CE-M75N-INJN-1-700-R18-Z-VL | LUW CEUP.CE-M75N-INJN-1-R18-Z-VL |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9815 | LUW CEUP.CE-M77M-FCBB46-1-700-R18-Z-HAN | LUW CEUP.CE-M77M-FCBB46-1-Z-HAN |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A6836 | LUW CEUP.CE-M78M-HNIN-1-700-R18-Z-SK | LUW CEUP.CE-M78M-HNIN-1-Z-SK |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A4751 | LUW CEUP.CE-M78M-IN-1-700-R18-Z-HE | LUW CEUP.CE-M78M-IN-1-Z-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9046 | LUW CEUP.CE-M78M-IN-1-700-R18-Z-ZKW | LUW CEUP.CE-M78M-IN-1-ZKW |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A6624 | LUW CEUP.CE-M78M-INJN-1-700-R18-Z-XX | LUW CEUP.CE-M78M-INJN-1-XX |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A2118 | LUW CEUP.CE-M78M-INJN-8E8G-700-R18-Z-LM | LUW CEUP.CE-M78M-INJN-8E8G-Z-LM |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A1099 | LUW CEUP.CE-M78M-INJN-8E8G-700-R18-Z-SK | LUW CEUP.CE-M78M-INJN-8E8G-Z-SK |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A8321 | LUW CEUP.CE-M78M-INJN-8E8G-700-R18-Z-STA | LUW CEUP.CE-M78M-INJN-8E8G-Z-STA |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A7407 | LUW CEUP.CE-M78M-JN-1-700-R18-Z-HE | LUW CEUP.CE-M78M-JN-1-Z-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65112A0822 | LUW CEUP.CE-M78M-JN-8E8G-700-R18-Z-STA | LUW CEUP.CE-M78M-JN-8E8G-Z-STA |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.CE | Q65111A9723 | LUW CEUP.CE-M86N-IN-8E8G-700-R18-Z-HE | LUW CEUP.CE-M86N-IN-8E8G-Z-HE |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.HD | Q65112A1589 | LUW CEUP.HD-5N7N-U2-8E8F-1000-R18-Z-B | LUW CEUP.HD-5N7N-U2-8E8F-B |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.HD | Q65111A6181 | LUW CEUP.HD-6M5N-U1U3-1-1000-R18-Z | LUW CEUP.HD-6M5N-U1U3-1-Z |

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| 02-Jul-18 | 01-Jan-19 | LUW CEUP.HD | Q65112A0260 | LUW CEUP.HD-7M5N-U1-8E8G-1000-R18-Z-XX | LUW CEUP.HD-7M5N-U1-8E8G-XX |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.HD | Q65112A1669 | LUW CEUP.HD-7M6N-U2-8E8G-1000-R18-Z-XX | LUW CEUP.HD-7M6N-U2-8E8G-XX |
| 02-Jul-18 | 01-Jan-19 | LUW CEUP.HD | Q65112A1999 | LUW CEUP.HD-8M6N-U1-8E8G-1000-R18-Z-VL | LUW CEUP.HD-8M6N-U1-8E8G-VL |