

UPDATE: (04/04/14) Recommended alternate series OKX with J option (reversed pins) have been replaced by standard OKX models.

PRODUCT OBSOLESCENCE NOTICE

February 28, 2014

Dear Customer,

Murata Power Solutions (MPS) hereby gives official notification that the following product(s) you may have purchased from us are becoming obsolete with immediate effect:

Via this notice we are offering our existing customers for these products the opportunity for a last time buy (LTB) and we will accept orders until **August 31, 2014**. Please note that this LTB may be subject to a minimum order quantity. Multiple releases will be accepted with a constraint that no releases may be scheduled past a ship date of **February 28, 2015**. Once placed, LTB orders cannot be cancelled, rescheduled, or returned for any reason other than product quality. Quality issues need to be identified and communicated within 30 days of shipment.

To assist you with choosing an alternate part number we have listed pin to pin Compatible Recommended Alternate part numbers below. In some cases there is more than one Recommended Alternate part number to provide you with more than one choice for your system requirements.

Should you have any questions or concerns please contact your local Representative, Distributor, or Regional Sales Manager at <http://www.murata-ps.com/offices.html>.

For technical questions or design-related issues please contact our Applications Engineer for your area.

Applications Engineers/Technical Support:

Area	Name	E-mail Address
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Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
BST-12/125-D12	NDTD1212C		
BST-12/125-D12-C	NDTD1212C		
BST-12/125-D48	BST-12/125-D48-C		
BST-15/100-D12	NDTD1215C		
BST-15/100-D12-C	NDTD1215C		
BST-15/100-D48	BST-15/100-D48-C		
BST-15/100-D48-30957	None		
BST-31175-C	None		
BST-31240-C	None		
BST-5/250-D12	NDTD1205C		
BST-5/250-D12-C	NDTD1205C		
BST-5/250-D48	NDTD4805C		
BST-5/250-D48-C	NDTD4805C		
BWR-12/125-D12	BWR-12/125-D12-C		
BWR-12/125-D48	BWR-12/125-D48-C		
BWR-12/725-D24AC-C	BEI15-120-Q12P-C		
BWR-12/725-D48A-C	None		
BWR-15/100-D12	NDTD1215C		
BWR-15/100-D12-C	NDTD1215C		
BWR-15/100-D48	BWR-15/100-D48-C		
BWR-15/575-D12AC-C	BEI15-150-Q12P-C		
BWR-15/575-D24AC-C	BEI15-150-Q12P-C		
BWR-15/575-D48A-C	BEI15-150-Q48P-C		
BWR-15/575-D48AC-C	BEI15-150-Q48P-C		
BWR-5/1500-D12A-C	BEI15-050-Q12P-C		
BWR-5/1500-D12AC-C	BEI15-050-Q12P-C		
BWR-5/1500-D24AC-C	BEI15-050-Q12P-C		
BWR-5/1500-D48A-C	BEI15-050-Q48P-C		
BWR-5/1500-D48AC-C	BEI15-050-Q48P-C		
BWR-5/250-D12	NDTD1205C		
BWR-5/250-D12-C	NDTD1205C		
BWR-5/250-D48	NDTD4805C		
BWR-5/250-D48-C	NDTD4805C		
BWR-5/3-3.3/4.25-D12A-C	None		
BWR-5/3-3.3/4.25-D24AN-C	None		
BWR-5/3-3.3/4.25-D48A-C	None		
BWR-5/3-3.3/4.25-D48AN-C	None		
DDR-9-W3-C	None		
DDR-9-W3H-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
DSM-5/2.65-3.3/3-D12-C	None		
DSM-5/2.65-3.3/3-D48-C	None		
DWR-31035	None		
DWR-5/2.65-3.3/3-D12	None		
DWR-5/2.65-3.3/3-D12-C	None		
DWR-5/2.65-3.3/3-D24	None		
DWR-5/2.65-3.3/3-D24L1	None		
DWR-5/2.65-3.3/3-D24L2	None		
DWR-5/2.65-3.3/3-D48	None		
DWR-5/2.65-3.3/3-D48-C	None		
DWR-5/2.65-3.3/3-D48L1	None		
DWR-5/2.65-3.3/3-D48L1-C	None		
DWR-5/2.65-3.3/3-D48L2-C	None		
HB01U05D15ZC-R	None		
HB01U05S05YC	None		
HB01U05S05Z	None		
HB01U05S05Z/RC	None		
HB01U05S05ZC	None		
HB01U05S05ZC/R	None		
HB01U05S05ZC-R	None		
HB04U05S05QC	None		
HB04U05S15QC	None		
HB04U12D05QC	None		
HB04U12D15Q	None		
HB04U12S05QC	None		
HB04U12S15QC	None		
HB04U15D05QC	None		
HB04U15D12QC	None		
HB04U15D15QC	None		
HB04U15S12QC	None		
HB04U15S15QC	None		
HPH-12/30-D48NBH-C	None		
HPH-12/30-D48NBH-Y	None		
HPH-12/30-D48NBL2-C	None		
HPH-12/30-D48NB-Y	None		
HPH-12/30-D48NH-C	None		
HPH-12/30-D48NHL2-C	None		
HPH-12/30-D48NHL2-C-HW	None		
HPH-12/30-D48NHL2-Y	None		
HPH-12/30-D48NH-Y	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
HPH-12/30-D48N-Y	None		
HPH-12/30-D48PB-C	None		
HPH-12/30-D48PBH-C	None		
HPH-12/30-D48PBH-Y	None		
HPH-12/30-D48PB-Y	None		
HPH-12/30-D48P-C	None		
HPH-12/30-D48PH-C	None		
HPH-12/30-D48PH-Y	None		
HPH-12/30-D48P-Y	None		
HPH-3.3/70-D48NB-C	None		
HPH-3.3/70-D48NBH-C	None		
HPH-3.3/70-D48NBHL2-C	None		
HPH-3.3/70-D48NBHL2-C-HW	None		
HPH-3.3/70-D48NBHL2-Y	None		
HPH-3.3/70-D48NBHL2-Y-HW	None		
HPH-3.3/70-D48NBH-Y	None		
HPH-3.3/70-D48NB-Y	None		
HPH-3.3/70-D48N-C	None		
HPH-3.3/70-D48NH-C	None		
HPH-3.3/70-D48NH-Y	None		
HPH-3.3/70-D48N-Y	None		
HPH-3.3/70-D48PB-C	None		
HPH-3.3/70-D48PBH-C	None		
HPH-3.3/70-D48PBH-Y	None		
HPH-3.3/70-D48PB-Y	None		
HPH-3.3/70-D48P-C	None		
HPH-3.3/70-D48PH-C	None		
HPH-3.3/70-D48PH-Y	None		
HPH-3.3/70-D48P-Y	None		
HPH-31170-Y	None		
HPH-31176-C	None		
HPH-5/40-D48NB-C	None		
HPH-5/40-D48NBH-C	None		
HPH-5/40-D48NBH-Y	None		
HPH-5/40-D48NB-Y	None		
HPH-5/40-D48N-C	None		
HPH-5/40-D48NH-C	None		
HPH-5/40-D48NH-Y	None		
HPH-5/40-D48N-Y	None		
HPH-5/40-D48PB-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
HPH-5/40-D48PBH-C	None		
HPH-5/40-D48PBH-Y	None		
HPH-5/40-D48PB-Y	None		
HPH-5/40-D48P-C	None		
HPH-5/40-D48PH-C	None		
HPH-5/40-D48PH-Y	None		
HPR1000C	MER1S0505SC		
HPR1001C	MER1S0512SC		
HPR1004C	MEA1D0512SC		
HPR1005C	MEA1D0515SC		
HPR100WC	NTE0505MC		
HPR1018C	MER1S2405SC		
HPR101C	MER1S0512SC		
HPR1022C	MEA1D2412SC		
HPR1023C	MEA1D2415SC		
HPR109WC	NTA1205MC		
HPR111C	MEA1D1215SC		
HPR112C	MER1S1505SC		
HPR113C	MER1S1512SC		
HPR122C	None		
HPR123C	MEA1D2415SC		
HPR402C	MEV1S0515SC		
HPR405C	NMV0515SC		
HPR407C	MEV1S1212SC		
HPR410C	NMV1212SC		
HPR411C	NMV1215SC		
HPR412C	None		
HPR414C	MEV1S1505SC		
HPR418C	MEV1S2405SC		
HPR422C	NMV2412SC		
HPR423C	None		
HS-CP	None		
HS-CPLP	None		
HS-CPLP2	None		
HS-QB100-UVQ	None		
HS-QB25	None		
HS-QB25-UVQ	None		
HS-QB50	None		
HS-QB50-UVQ	None		
HS-QB-TP	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LP02U05S09K	None		
LP02U05S09KC	None		
LSM-0.75/16-D12	OKY-T/16-D12		
LSM-0.75/16-D12-C	OKY-T/16-D12		
LSM-0.75/16-W3	OKY-T/16-W5		
LSM-0.75/16-W3-C	OKY-T/16-W5		
LSM-0.8/10-D12-C	OKY-T/10-D12		
LSM-0.8/10-D3	OKY-T/10-W5		
LSM-0.8/10-D3-C	OKY-T/10-W5		
LSM-0.8/10-D3EB	None		
LSM-0.8/10-D5	OKY-T/10-W5		
LSM-0.8/10-D5-C	OKY-T/10-W5		
LSM-0.8/10-D5EB	None		
LSM-1.2/10-D12	OKY-T/10-D12		
LSM-1.2/10-D12-C	OKY-T/10-D12		
LSM-1.2/10-D12EB	None		
LSM-1.2/10-D3	OKY-T/10-W5		
LSM-1.2/10-D3-C	OKY-T/10-W5		
LSM-1.2/10-D3EB	None		
LSM-1.2/10-D5	OKY-T/10-W5		
LSM-1.2/10-D5-C	OKY-T/10-W5		
LSM-1.2/10-D5EB	None		
LSM-1.2/16-D12	OKY-T/16-D12		
LSM-1.2/16-D12-C	OKY-T/16-D12		
LSM-1.2/16-W3	OKY-T/16-W5		
LSM-1.2/16-W3-C	OKY-T/16-W5		
LSM-1.5/10-D12	OKY-T/10-D12		
LSM-1.5/10-D12-C	OKY-T/10-D12		
LSM-1.5/10-D12EB	None		
LSM-1.5/10-D3	OKY-T/10-W5		
LSM-1.5/10-D3-C	OKY-T/10-W5		
LSM-1.5/10-D3EB	None		
LSM-1.5/10-D5	OKY-T/10-W5		
LSM-1.5/10-D5-C	OKY-T/10-W5		
LSM-1.5/10-D5EB	None		
LSM-1.5/16-D12	OKY-T/16-D12		
LSM-1.5/16-D12-C	OKY-T/16-D12		
LSM-1.5/16-W3	OKY-T/16-W5		
LSM-1.5/16-W3-C	OKY-T/16-W5		
LSM-1.8/10-D12	OKY-T/10-D12		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSM-1.8/10-D12-C	OKY-T/10-D12		
LSM-1.8/10-D12EB	None		
LSM-1.8/10-D3	OKY-T/10-W5		
LSM-1.8/10-D3B-C	None		
LSM-1.8/10-D3-C	OKY-T/10-W5		
LSM-1.8/10-D3EB	None		
LSM-1.8/10-D5	OKY-T/10-W5		
LSM-1.8/10-D5-C	OKY-T/10-W5		
LSM-1.8/10-D5EB	None		
LSM-1.8/16-D12	OKY-T/16-D12		
LSM-1.8/16-D12-C	OKY-T/16-D12		
LSM-1.8/16-W3	OKY-T/16-W5		
LSM-1.8/16-W3-C	OKY-T/16-W5		
LSM-1/10-D12	OKY-T/10-D12		
LSM-1/10-D12-C	OKY-T/10-D12		
LSM-1/10-D12EB	None		
LSM-1/10-D3	OKY-T/10-W5		
LSM-1/10-D3-C	OKY-T/10-W5		
LSM-1/10-D3EB	None		
LSM-1/10-D5	OKY-T/10-W5		
LSM-1/10-D5-C	OKY-T/10-W5		
LSM-1/10-D5EB	None		
LSM-1/16-D12	OKY-T/16-D12		
LSM-1/16-D12-C	OKY-T/16-D12		
LSM-1/16-W3	OKY-T/16-W5		
LSM-1/16-W3-C	OKY-T/16-W5		
LSM-2.5/10-D12	OKY-T/10-D12		
LSM-2.5/10-D12-C	OKY-T/10-D12		
LSM-2.5/10-D12EB	None		
LSM-2.5/10-D3	OKY-T/10-W5		
LSM-2.5/10-D3B	None		
LSM-2.5/10-D3B-C	None		
LSM-2.5/10-D3-C	OKY-T/10-W5		
LSM-2.5/10-D3EB	None		
LSM-2.5/10-D5	OKY-T/10-W5		
LSM-2.5/10-D5-C	OKY-T/10-W5		
LSM-2.5/10-D5EB	None		
LSM-2.5/16-D12	OKY-T/16-D12		
LSM-2.5/16-D12-C	OKY-T/16-D12		
LSM-2.5/16-W3	OKY-T/16-W5		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSM-2.5/16-W3-C	OKY-T/16-W5		
LSM-2/10-D12	OKY-T/10-D12		
LSM-2/10-D12-C	OKY-T/10-D12		
LSM-2/10-D12EB	None		
LSM-2/10-D3	OKY-T/10-W5		
LSM-2/10-D3-C	OKY-T/10-W5		
LSM-2/10-D3EB	None		
LSM-2/10-D5	OKY-T/10-W5		
LSM-2/10-D5-C	OKY-T/10-W5		
LSM-2/10-D5EB	None		
LSM-2/16-D12	OKY-T/16-D12		
LSM-2/16-D12-C	OKY-T/16-D12		
LSM-2/16-W3-C	OKY-T/16-W5		
LSM2-T/10-D12	OKY2-T/10-D12		
LSM2-T/10-D12-C	OKY2-T/10-D12		
LSM2-T/10-D12N	OKY2-T/10-D12		
LSM2-T/10-D12N-C	OKY2-T/10-D12		
LSM2-T/10-W3	OKY2-T/10-W5		
LSM2-T/10-W3-C	OKY2-T/10-W5		
LSM2-T/10-W3G	None		
LSM2-T/10-W3G-C	None		
LSM2-T/10-W3N	OKY2-T/10-W5		
LSM2-T/10-W3N-C	OKY2-T/10-W5		
LSM2-T/10-W3NG	OKY2-T/10-W5		
LSM2-T/10-W3NG-C	None		
LSM2-T/16-D12	OKY2-T/16-D12		
LSM2-T/16-D12-C	OKY2-T/16-D12		
LSM2-T/16-D12N	OKY2-T/16-D12		
LSM2-T/16-D12N-C	OKY2-T/16-D12		
LSM2-T/16-W3	OKY2-T/16-W5		
LSM2-T/16-W3-C	OKY2-T/16-W5		
LSM2-T/16-W3G	OKY2-T/16-W5		
LSM2-T/16-W3G-C	None		
LSM2-T/16-W3N	OKY2-T/16-W5		
LSM2-T/16-W3N-C	OKY2-T/16-W5		
LSM2-T/16-W3NG	None		
LSM2-T/16-W3NG-C	None		
LSM2-T/30-D12-C	None		
LSM2-T/6-D12	OKY2-T/10-D12		
LSM2-T/6-D12G	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSM2-T/6-D12G-C	None		
LSM2-T/6-D12N	OKY2-T/10-D12		
LSM2-T/6-D12N-C	OKY2-T/10-D12		
LSM2-T/6-D12NG	None		
LSM2-T/6-D12NG-C	None		
LSM2-T/6-W3	OKY2-T/10-W5		
LSM2-T/6-W3-C	OKY2-T/10-W5		
LSM2-T/6-W3G	None		
LSM2-T/6-W3G-C	None		
LSM2-T/6-W3N	OKY2-T/10-W5		
LSM2-T/6-W3N-C	OKY2-T/10-W5		
LSM2-T/6-W3NG	None		
LSM2-T/6-W3NG-C	None		
LSM-3.3/10-D12	OKY-T/10-D12		
LSM-3.3/10-D12-BLK	None		
LSM-3.3/10-D12-C	OKY-T/10-D12		
LSM-3.3/10-D12EB	None		
LSM-3.3/10-D5	OKY-T/10-W5		
LSM-3.3/10-D5-C	OKY-T/10-W5		
LSM-3.3/10-D5EB	None		
LSM-3.3/16-D12	OKY-T/16-D12		
LSM-3.3/16-D12-C	OKY-T/16-D12		
LSM-3.3/16-W3	OKY-T/16-W5		
LSM-3.3/16-W3-C	OKY-T/16-W5		
LSM-31019	None		
LSM-31079-C	None		
LSM-5/10-D12	OKY-T/10-D12		
LSM-5/10-D12-C	OKY-T/10-D12		
LSM-5/10-D12EB	None		
LSM-5/16-D12	OKY-T/16-D12		
LSM-5/16-D12-C	OKY-T/16-D12		
LSM-T/10-D12	OKY-T/10-D12		
LSM-T/10-D12-C	OKY-T/10-D12		
LSM-T/10-D12EB	None		
LSM-T/10-D12EB-C	None		
LSM-T/16-D12	OKY-T/16-D12		
LSM-T/16-D12-C	OKY-T/16-D12		
LSM-T/16-D12EB	None		
LSM-T/16-D12EB-C	None		
LSM-T/16-W3	OKY-T/16-W5		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-0.75/16-D12	OKX-T/16-D12		
LSN-0.75/16-D12-C	OKX-T/16-D12		
LSN-0.75/16-D12H	None		
LSN-0.75/16-D12H-C	None		
LSN-0.75/16-D12J	OKX-T/16-D12		
LSN-0.75/16-D12J-C	OKX-T/16-D12		
LSN-0.75/16-W3	OKX-T/16-W5		
LSN-0.75/16-W3-C	OKX-T/16-W5		
LSN-0.75/16-W3H	None		
LSN-0.75/16-W3H-C	None		
LSN-0.75/16-W3J	OKX-T/16-W5		
LSN-0.75/16-W3J-C	OKX-T/16-W5		
LSN-1.1/10-D12	OKX-T/10-D12		
LSN-1.1/10-D12BJ	None		
LSN-1.1/10-D12BJ-C	None		
LSN-1.1/10-D12-C	OKX-T/10-D12		
LSN-1.1/10-D12J	OKX-T/10-D12		
LSN-1.1/10-D12J-C	OKX-T/10-D12		
LSN-1.2/10-D12	OKX-T/10-D12		
LSN-1.2/10-D12B	None		
LSN-1.2/10-D12B-C	None		
LSN-1.2/10-D12BH	None		
LSN-1.2/10-D12BH-C	None		
LSN-1.2/10-D12BJ	None		
LSN-1.2/10-D12BJ-C	None		
LSN-1.2/10-D12-C	OKX-T/10-D12		
LSN-1.2/10-D12H	None		
LSN-1.2/10-D12H-C	None		
LSN-1.2/10-D12J	OKX-T/10-D12		
LSN-1.2/10-D12J-C	OKX-T/10-D12		
LSN-1.2/10-D3	OKX-T/10-W5		
LSN-1.2/10-D3B	None		
LSN-1.2/10-D3B-C	None		
LSN-1.2/10-D3BH	None		
LSN-1.2/10-D3BH-C	None		
LSN-1.2/10-D3BJ	None		
LSN-1.2/10-D3BJ-C	None		
LSN-1.2/10-D3-C	OKX-T/10-W5		
LSN-1.2/10-D3H	None		
LSN-1.2/10-D3H-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-1.2/10-D3J	OKX-T/10-W5		
LSN-1.2/10-D3J-C	OKX-T/10-W5		
LSN-1.2/10-D5	OKX-T/10-W5		
LSN-1.2/10-D5B	None		
LSN-1.2/10-D5B-C	None		
LSN-1.2/10-D5BH	None		
LSN-1.2/10-D5BH-C	None		
LSN-1.2/10-D5BJ	None		
LSN-1.2/10-D5BJ-C	None		
LSN-1.2/10-D5-C	OKX-T/10-W5		
LSN-1.2/10-D5H	None		
LSN-1.2/10-D5H-C	None		
LSN-1.2/10-D5J	OKX-T/10-W5		
LSN-1.2/10-D5J-C	OKX-T/10-W5		
LSN-1.2/16-D12	OKX-T/16-D12		
LSN-1.2/16-D12-C	OKX-T/16-D12		
LSN-1.2/16-D12H	None		
LSN-1.2/16-D12H-C	None		
LSN-1.2/16-D12J	OKX-T/16-D12		
LSN-1.2/16-D12J-C	OKX-T/16-D12		
LSN-1.2/16-W3	OKX-T/16-W5		
LSN-1.2/16-W3-C	OKX-T/16-W5		
LSN-1.2/16-W3H	None		
LSN-1.2/16-W3H-C	None		
LSN-1.2/16-W3J	OKX-T/16-W5		
LSN-1.2/16-W3J-C	OKX-T/16-W5		
LSN-1.25/10-D3	OKX-T/10-W5		
LSN-1.25/10-D3-C	OKX-T/10-W5		
LSN-1.25/10-D3H	None		
LSN-1.25/10-D3H-C	None		
LSN-1.3/10-D12	OKX-T/10-D12		
LSN-1.3/10-D12B	None		
LSN-1.3/10-D12B-C	None		
LSN-1.3/10-D12BJ	None		
LSN-1.3/10-D12BJ-C	None		
LSN-1.3/10-D12-C	OKX-T/10-D12		
LSN-1.3/10-D12J	OKX-T/10-D12		
LSN-1.3/10-D12J-C	OKX-T/10-D12		
LSN-1.5/10-D12	OKX-T/10-D12		
LSN-1.5/10-D12B	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-1.5/10-D12B-C	None		
LSN-1.5/10-D12BH	None		
LSN-1.5/10-D12BH-C	None		
LSN-1.5/10-D12BJ	None		
LSN-1.5/10-D12BJ-C	None		
LSN-1.5/10-D12-C	OKX-T/10-D12		
LSN-1.5/10-D12H	None		
LSN-1.5/10-D12H-C	None		
LSN-1.5/10-D12J	OKX-T/10-D12		
LSN-1.5/10-D12J-C	OKX-T/10-D12		
LSN-1.5/10-D3	OKX-T/10-W5		
LSN-1.5/10-D3B	None		
LSN-1.5/10-D3B-C	None		
LSN-1.5/10-D3BH	None		
LSN-1.5/10-D3BH-C	None		
LSN-1.5/10-D3BJ	None		
LSN-1.5/10-D3BJ-C	None		
LSN-1.5/10-D3-C	OKX-T/10-W5		
LSN-1.5/10-D3H	None		
LSN-1.5/10-D3H-C	None		
LSN-1.5/10-D3J	OKX-T/10-W5		
LSN-1.5/10-D3J-C	OKX-T/10-W5		
LSN-1.5/10-D5	OKX-T/10-W5		
LSN-1.5/10-D5B	None		
LSN-1.5/10-D5B-C	None		
LSN-1.5/10-D5BH	None		
LSN-1.5/10-D5BH-C	None		
LSN-1.5/10-D5BJ	None		
LSN-1.5/10-D5BJ-C	None		
LSN-1.5/10-D5-C	OKX-T/10-W5		
LSN-1.5/10-D5H	None		
LSN-1.5/10-D5H-C	None		
LSN-1.5/10-D5J	OKX-T/10-W5		
LSN-1.5/10-D5J-C	OKX-T/10-W5		
LSN-1.5/16-D12	OKX-T/16-D12		
LSN-1.5/16-D12-C	OKX-T/16-D12		
LSN-1.5/16-D12H	None		
LSN-1.5/16-D12H-C	None		
LSN-1.5/16-D12J	OKX-T/16-D12		
LSN-1.5/16-D12J-C	OKX-T/16-D12		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-1.5/16-W3	OKX-T/16-W5		
LSN-1.5/16-W3-C	OKX-T/16-W5		
LSN-1.5/16-W3H	None		
LSN-1.5/16-W3H-C	None		
LSN-1.5/16-W3J	OKX-T/16-W5		
LSN-1.5/16-W3J-C	OKX-T/16-W5		
LSN-1.8/10-D12	OKX-T/10-D12		
LSN-1.8/10-D12B	None		
LSN-1.8/10-D12B-C	None		
LSN-1.8/10-D12BH	None		
LSN-1.8/10-D12BH-C	None		
LSN-1.8/10-D12BJ	None		
LSN-1.8/10-D12BJ-C	None		
LSN-1.8/10-D12-C	OKX-T/10-D12		
LSN-1.8/10-D12H	None		
LSN-1.8/10-D12H-C	None		
LSN-1.8/10-D12J	OKX-T/10-D12		
LSN-1.8/10-D12J-C	OKX-T/10-D12		
LSN-1.8/10-D3	OKX-T/10-W5		
LSN-1.8/10-D3B	None		
LSN-1.8/10-D3B-C	None		
LSN-1.8/10-D3BH	None		
LSN-1.8/10-D3BH-C	None		
LSN-1.8/10-D3BJ	None		
LSN-1.8/10-D3BJ-C	None		
LSN-1.8/10-D3-C	OKX-T/10-W5		
LSN-1.8/10-D3H	None		
LSN-1.8/10-D3H-31141-Y	None		
LSN-1.8/10-D3H-C	None		
LSN-1.8/10-D3J	OKX-T/10-W5		
LSN-1.8/10-D3J-C	OKX-T/10-W5		
LSN-1.8/10-D5	OKX-T/10-W5		
LSN-1.8/10-D5B	None		
LSN-1.8/10-D5B-C	None		
LSN-1.8/10-D5BH	None		
LSN-1.8/10-D5BH-C	None		
LSN-1.8/10-D5BJ	None		
LSN-1.8/10-D5BJ-C	None		
LSN-1.8/10-D5-C	OKX-T/10-W5		
LSN-1.8/10-D5H	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-1.8/10-D5H-C	None		
LSN-1.8/10-D5J	OKX-T/10-W5		
LSN-1.8/10-D5J-C	OKX-T/10-W5		
LSN-1.8/16-D12	OKX-T/16-D12		
LSN-1.8/16-D12-C	OKX-T/16-D12		
LSN-1.8/16-D12H	None		
LSN-1.8/16-D12H-C	None		
LSN-1.8/16-D12J	OKX-T/16-D12		
LSN-1.8/16-D12J-C	OKX-T/16-D12		
LSN-1.8/16-W3	OKX-T/16-W5		
LSN-1.8/16-W3-C	OKX-T/16-W5		
LSN-1.8/16-W3H	None		
LSN-1.8/16-W3H-C	None		
LSN-1.8/16-W3J	OKX-T/16-W5		
LSN-1.8/16-W3J-C	OKX-T/16-W5		
LSN-1/10-D12	OKX-T/10-D12		
LSN-1/10-D12B	None		
LSN-1/10-D12B-C	None		
LSN-1/10-D12BH	None		
LSN-1/10-D12BH-C	None		
LSN-1/10-D12BJ	None		
LSN-1/10-D12BJ-C	None		
LSN-1/10-D12-C	OKX-T/10-D12		
LSN-1/10-D12H	None		
LSN-1/10-D12H-C	None		
LSN-1/10-D12J	OKX-T/10-D12		
LSN-1/10-D12J-C	OKX-T/10-D12		
LSN-1/10-D3	OKX-T/10-W5		
LSN-1/10-D3B	None		
LSN-1/10-D3B-C	None		
LSN-1/10-D3BH	None		
LSN-1/10-D3BH-C	None		
LSN-1/10-D3BJ	None		
LSN-1/10-D3BJ-C	None		
LSN-1/10-D3-C	OKX-T/10-W5		
LSN-1/10-D3H	None		
LSN-1/10-D3H-C	None		
LSN-1/10-D3J	OKX-T/10-W5		
LSN-1/10-D3J-C	OKX-T/10-W5		
LSN-1/10-D5	OKX-T/10-W5		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-1/10-D5B	None		
LSN-1/10-D5B-C	None		
LSN-1/10-D5BH	None		
LSN-1/10-D5BH-C	None		
LSN-1/10-D5BJ	None		
LSN-1/10-D5BJ-C	None		
LSN-1/10-D5-C	OKX-T/10-W5		
LSN-1/10-D5H	None		
LSN-1/10-D5H-C	None		
LSN-1/10-D5J	OKX-T/10-W5		
LSN-1/10-D5J-C	OKX-T/10-W5		
LSN-1/16-D12	OKX-T/16-D12		
LSN-1/16-D12-C	OKX-T/16-D12		
LSN-1/16-D12H	None		
LSN-1/16-D12H-C	None		
LSN-1/16-D12J-C	OKX-T/16-D12		
LSN-1/16-W3	OKX-T/16-W5		
LSN-1/16-W3-C	OKX-T/16-W5		
LSN-1/16-W3H	None		
LSN-1/16-W3H-C	None		
LSN-1/16-W3J	OKX-T/16-W5		
LSN-1/16-W3J-C	OKX-T/16-W5		
LSN-2.5/10-D12	OKX-T/10-D12		
LSN-2.5/10-D12B	None		
LSN-2.5/10-D12B-C	None		
LSN-2.5/10-D12BH	None		
LSN-2.5/10-D12BH-C	None		
LSN-2.5/10-D12BJ	None		
LSN-2.5/10-D12BJ-C	None		
LSN-2.5/10-D12-C	OKX-T/10-D12		
LSN-2.5/10-D12H	None		
LSN-2.5/10-D12H-C	None		
LSN-2.5/10-D12J	OKX-T/10-D12		
LSN-2.5/10-D3	OKX-T/10-W5		
LSN-2.5/10-D3B	None		
LSN-2.5/10-D3B-C	None		
LSN-2.5/10-D3BH	None		
LSN-2.5/10-D3BH-C	None		
LSN-2.5/10-D3BJ	None		
LSN-2.5/10-D3BJ-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-2.5/10-D3-C	OKX-T/10-W5		
LSN-2.5/10-D3H	None		
LSN-2.5/10-D3H-C	None		
LSN-2.5/10-D3J	OKX-T/10-W5		
LSN-2.5/10-D3J-C	OKX-T/10-W5		
LSN-2.5/10-D5	OKX-T/10-W5		
LSN-2.5/10-D5B	None		
LSN-2.5/10-D5B-C	None		
LSN-2.5/10-D5BH	None		
LSN-2.5/10-D5BH-C	None		
LSN-2.5/10-D5BJ	None		
LSN-2.5/10-D5BJ-C	None		
LSN-2.5/10-D5-C	OKX-T/10-W5		
LSN-2.5/10-D5H	None		
LSN-2.5/10-D5H-C	None		
LSN-2.5/10-D5J	OKX-T/10-W5		
LSN-2.5/10-D5J-C	OKX-T/10-W5		
LSN-2.5/16-D12	OKX-T/16-D12		
LSN-2.5/16-D12-C	OKX-T/16-D12		
LSN-2.5/16-D12H	None		
LSN-2.5/16-D12H-C	None		
LSN-2.5/16-D12J	OKX-T/16-D12		
LSN-2.5/16-D12J-C	OKX-T/16-D12		
LSN-2.5/16-W3	OKX-T/16-W5		
LSN-2.5/16-W3-C	OKX-T/16-W5		
LSN-2.5/16-W3H	None		
LSN-2.5/16-W3H-C	None		
LSN-2.5/16-W3J	OKX-T/16-W5		
LSN-2.5/16-W3J-C	OKX-T/16-W5		
LSN-2/10-D12	OKX-T/10-D12		
LSN-2/10-D12B	None		
LSN-2/10-D12B-C	None		
LSN-2/10-D12BH	None		
LSN-2/10-D12BH-C	None		
LSN-2/10-D12BJ	None		
LSN-2/10-D12BJ-C	None		
LSN-2/10-D12-C	OKX-T/10-D12		
LSN-2/10-D12H	None		
LSN-2/10-D12H-C	None		
LSN-2/10-D12J	OKX-T/10-D12		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-2/10-D12J-C	OKX-T/10-D12		
LSN-2/10-D3	OKX-T/10-W5		
LSN-2/10-D3B	None		
LSN-2/10-D3B-C	None		
LSN-2/10-D3BH	None		
LSN-2/10-D3BH-C	None		
LSN-2/10-D3BJ	None		
LSN-2/10-D3BJ-C	None		
LSN-2/10-D3-C	OKX-T/10-W5		
LSN-2/10-D3H	None		
LSN-2/10-D3H-C	None		
LSN-2/10-D3J	OKX-T/10-W5		
LSN-2/10-D3J-C	OKX-T/10-W5		
LSN-2/10-D5	OKX-T/10-W5		
LSN-2/10-D5B	None		
LSN-2/10-D5B-C	None		
LSN-2/10-D5BH	None		
LSN-2/10-D5BH-C	None		
LSN-2/10-D5BJ	None		
LSN-2/10-D5BJ-C	None		
LSN-2/10-D5-C	OKX-T/10-W5		
LSN-2/10-D5H	None		
LSN-2/10-D5H-C	None		
LSN-2/10-D5J	OKX-T/10-W5		
LSN-2/10-D5J-C	OKX-T/10-W5		
LSN-2/16-D12-C	OKX-T/16-D12		
LSN-2/16-W3	OKX-T/16-W5		
LSN-2/16-W3-C	OKX-T/16-W5		
LSN-2/16-W3H	None		
LSN-2/16-W3H-C	None		
LSN-2/16-W3J	OKX-T/16-W5		
LSN-2/16-W3J-C	OKX-T/16-W5		
LSN2-T/10-D12	OKX2-T/10-D12		
LSN2-T/10-D12-C	OKX2-T/10-D12		
LSN2-T/10-D12G	None		
LSN2-T/10-D12G-C	None		
LSN2-T/10-D12N	OKX2-T/10-D12		
LSN2-T/10-D12N-C	OKX2-T/10-D12		
LSN2-T/10-D12NG	None		
LSN2-T/10-D12NG-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN2-T/10-W3	OKX2-T/10-W5		
LSN2-T/10-W3-C	OKX2-T/10-W5		
LSN2-T/10-W3G	None		
LSN2-T/10-W3G-C	None		
LSN2-T/10-W3N	OKX2-T/10-W5		
LSN2-T/10-W3N-C	OKX2-T/10-W5		
LSN2-T/10-W3NG	None		
LSN2-T/10-W3NG-C	None		
LSN2-T/16-D12	OKX2-T/16-D12		
LSN2-T/16-D12-C	OKX2-T/16-D12		
LSN2-T/16-D12G-C	None		
LSN2-T/16-D12N	OKX2-T/16-D12		
LSN2-T/16-D12N-C	OKX2-T/16-D12		
LSN2-T/16-D12NG-C	None		
LSN2-T/16-W3	OKX2-T/16-W5		
LSN2-T/16-W3-C	OKX2-T/16-W5		
LSN2-T/16-W3G	None		
LSN2-T/16-W3G-C	None		
LSN2-T/16-W3N	OKX2-T/16-W5		
LSN2-T/16-W3N-C	OKX2-T/16-W5		
LSN2-T/16-W3NG	None		
LSN2-T/16-W3NG-C	None		
LSN2-T/22-D12	None		
LSN2-T/22-D12-C	None		
LSN2-T/22-D12G	None		
LSN2-T/22-D12G-C	None		
LSN2-T/22-D12N	None		
LSN2-T/22-D12NB-C	None		
LSN2-T/22-D12N-C	None		
LSN2-T/22-D12NG	None		
LSN2-T/22-D12NG-C	None		
LSN2-T/30-D12-C	None		
LSN2-T/30-D12G-C	None		
LSN2-T/6-D12	OKX2-T/10-D12		
LSN2-T/6-D12G	None		
LSN2-T/6-D12G-C	None		
LSN2-T/6-D12N	OKX2-T/10-D12		
LSN2-T/6-D12N-C	OKX2-T/10-D12		
LSN2-T/6-D12NG	None		
LSN2-T/6-D12NG-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN2-T/6-W3	OKX2-T/10-W5		
LSN2-T/6-W3-C	OKX2-T/10-W5		
LSN2-T/6-W3G	None		
LSN2-T/6-W3G-C	None		
LSN2-T/6-W3N	OKX2-T/10-W5		
LSN2-T/6-W3N-C	OKX2-T/10-W5		
LSN2-T/6-W3NG-C	None		
LSN-3.3/10-D12	OKX-T/10-D12		
LSN-3.3/10-D12B	None		
LSN-3.3/10-D12B-C	None		
LSN-3.3/10-D12BH	None		
LSN-3.3/10-D12BH-C	None		
LSN-3.3/10-D12BJ	None		
LSN-3.3/10-D12BJ-C	None		
LSN-3.3/10-D12-C	OKX-T/10-D12		
LSN-3.3/10-D12H	None		
LSN-3.3/10-D12H-C	None		
LSN-3.3/10-D12J	OKX-T/10-D12		
LSN-3.3/10-D5	OKX-T/10-W5		
LSN-3.3/10-D5-31142-C	None		
LSN-3.3/10-D5-31142-Y	None		
LSN-3.3/10-D5B	None		
LSN-3.3/10-D5B-C	None		
LSN-3.3/10-D5BH	None		
LSN-3.3/10-D5BH-C	None		
LSN-3.3/10-D5BJ	None		
LSN-3.3/10-D5BJ-C	None		
LSN-3.3/10-D5-C	OKX-T/10-W5		
LSN-3.3/10-D5H	None		
LSN-3.3/10-D5H-C	None		
LSN-3.3/10-D5HJHL2-C	None		
LSN-3.3/10-D5H-Y	None		
LSN-3.3/10-D5J	OKX-T/10-W5		
LSN-3.3/10-D5J-C	OKX-T/10-W5		
LSN-3.3/16-D12	OKX-T/16-D12		
LSN-3.3/16-D12-C	OKX-T/16-D12		
LSN-3.3/16-D12H	None		
LSN-3.3/16-D12H-C	None		
LSN-3.3/16-D12J	OKX-T/16-D12		
LSN-3.3/16-D12J-C	OKX-T/16-D12		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-3.3/16-W3	OKX-T/16-W5		
LSN-3.3/16-W3-C	OKX-T/16-W5		
LSN-3.3/16-W3H	None		
LSN-3.3/16-W3H-C	None		
LSN-3.3/16-W3J	OKX-T/16-W5		
LSN-3.3/16-W3J-C	OKX-T/16-W5		
LSN-3.8/10-D12	OKX-T/10-D12		
LSN-3.8/10-D12-C	OKX-T/10-D12		
LSN-3.8/10-D12H-C	None		
LSN-3.8/10-D5	None		
LSN-3.8/10-D5-C	None		
LSN-30934	None		
LSN-30934-C	None		
LSN-30989-C	None		
LSN-31005	None		
LSN-31083-C	None		
LSN-31147-C	None		
LSN-5/10-D12	OKX-T/10-D12		
LSN-5/10-D12B	None		
LSN-5/10-D12B-C	None		
LSN-5/10-D12BH	None		
LSN-5/10-D12BH-C	None		
LSN-5/10-D12BJ	None		
LSN-5/10-D12BJ-C	None		
LSN-5/10-D12-C	OKX-T/10-D12		
LSN-5/10-D12H	None		
LSN-5/10-D12H-C	None		
LSN-5/10-D12J	OKX-T/10-D12		
LSN-5/10-D12J-C	OKX-T/10-D12		
LSN-5/16-D12	OKX-T/16-D12		
LSN-5/16-D12-C	OKX-T/16-D12		
LSN-5/16-D12H	None		
LSN-5/16-D12H-C	None		
LSN-5/16-D12J	OKX-T/16-D12		
LSN-5/16-D12J-C	OKX-T/16-D12		
LSN-T/10-D12	OKX-T/10-D12		
LSN-T/10-D12-C	OKX-T/10-D12		
LSN-T/10-D12H	None		
LSN-T/10-D12H-C	None		
LSN-T/10-D12J	OKX-T/10-D12		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
LSN-T/10-D12J-C	OKX-T/10-D12		
LSN-T/10-D12JEB	None		
LSN-T/10-D12JEB-C	None		
LSN-T/10-D12N	OKX-T/10-D12		
LSN-T/10-D12N-C	OKX-T/10-D12		
LSN-T/10-D12NH	None		
LSN-T/10-D12NH-C	None		
LSN-T/10-D12NJ	OKX-T/10-D12		
LSN-T/10-D12NJ-C	OKX-T/10-D12		
LSN-T/16-D12	OKX-T/16-D12		
LSN-T/16-D12-C	OKX-T/16-D12		
LSN-T/16-D12EB	None		
LSN-T/16-D12H	None		
LSN-T/16-D12H-C	None		
LSN-T/16-D12J	OKX-T/16-D12		
LSN-T/16-D12J-C	OKX-T/16-D12		
LSN-T/16-D12P	OKX-T/16-D12		
LSN-T/16-D12P-C	OKX-T/16-D12		
LSN-T/16-D12PEB	None		
LSN-T/16-D12PEB-C	None		
LSN-T/16-W3	OKX-T/16-W5		
LSN-T/16-W3-C	OKX-T/16-W5		
LSN-T/16-W3H	None		
LSN-T/16-W3H-31143-C	None		
LSN-T/16-W3H-31143-Y	None		
LSN-T/16-W3H-C	None		
LSN-T/16-W3HHL2-C	None		
LSN-T/16-W3J	OKX-T/16-W5		
LSN-T/16-W3J-C	OKX-T/16-W5		
LSN-T/25-D12-C	None		
LSN-T/25-D12-Y	None		
UCE-1.5/20-D48NB-C	ULE-1.5/20-D48NB-C		
UCE-1.5/20-D48NBH-C	None		
UCE-1.5/20-D48NBH-Y	None		
UCE-1.5/20-D48NB-Y	None		
UCE-1.5/20-D48N-C	ULE-1.5/20-D48N-C		
UCE-1.5/20-D48NH-C	None		
UCE-1.5/20-D48NH-Y	None		
UCE-1.5/20-D48N-Y	None		
UCE-1.5/20-D48PB-C	ULE-1.5/20-D48PB-C		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCE-1.5/20-D48PBH-C	None		
UCE-1.5/20-D48PBH-Y	None		
UCE-1.5/20-D48PB-Y	None		
UCE-1.5/20-D48P-C	ULE-1.5/20-D48P-C		
UCE-1.5/20-D48PH-C	None		
UCE-1.5/20-D48PH-Y	None		
UCE-1.5/20-D48P-Y	None		
UCE-1.8/30-D48NB-C	ULE-1.8/20-D48NB-C		
UCE-1.8/30-D48NBH-C	None		
UCE-1.8/30-D48NBH-Y	None		
UCE-1.8/30-D48NB-Y	None		
UCE-1.8/30-D48N-C	ULE-1.8/20-D48N-C		
UCE-1.8/30-D48NH-C	None		
UCE-1.8/30-D48NH-Y	None		
UCE-1.8/30-D48N-Y	None		
UCE-1.8/30-D48PB-C	ULE-1.8/20-D48PB-C		
UCE-1.8/30-D48PBH-C	None		
UCE-1.8/30-D48PBH-Y	None		
UCE-1.8/30-D48PB-Y	None		
UCE-1.8/30-D48P-C	ULE-1.8/20-D48P-C		
UCE-1.8/30-D48PH-C	None		
UCE-1.8/30-D48PH-Y	None		
UCE-1.8/30-D48P-Y	None		
UCE-12/10-D48NBH-C	None		
UCE-12/10-D48NBL2-C	None		
UCE-12/10-D48NH-C	None		
UCE-12/10-D48PB-C	UEE-12/12.5-D48PB-C	UWE-12/10-Q48PB-C	UVQ-12/10-D48PB-C
UCE-12/10-D48PBH-C	None		
UCE-12/10-D48P-C	UEE-12/12.5-D48P-C	UWE-12/10-Q48P-C	UVQ-12/10-D48P-C
UCE-12/10-D48PH-C	None		
UCE-12/4.2-D48NB-C	ULE-12/4.2-D48NB-C		
UCE-12/4.2-D48NBH-C	None		
UCE-12/4.2-D48NBH-Y	None		
UCE-12/4.2-D48NB-Y	None		
UCE-12/4.2-D48N-C	ULE-12/4.2-D48N-C		
UCE-12/4.2-D48NH-C	None		
UCE-12/4.2-D48NHL2-C	None		
UCE-12/4.2-D48NHL2-C-HW	None		
UCE-12/4.2-D48NHL2-Y	None		
UCE-12/4.2-D48NH-Y	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCE-12/4.2-D48N-Y	None		
UCE-12/4.2-D48PB-C	ULE-12/4.2-D48PB-C		
UCE-12/4.2-D48PBH-C	None		
UCE-12/4.2-D48PBH-Y	None		
UCE-12/4.2-D48PB-Y	None		
UCE-12/4.2-D48P-C	ULE-12/4.2-D48P-C		
UCE-12/4.2-D48PH-C	None		
UCE-12/4.2-D48PH-Y	None		
UCE-12/4.2-D48P-Y	None		
UCE-12/8.3-D48NB-C	UEE-12/12.5-D48NB-C	UWE-12/10-Q48NB-C	UVQ-12/10-D48NB-C
UCE-12/8.3-D48NBH-Y	None		
UCE-12/8.3-D48NB-Y	None		
UCE-12/8.3-D48N-C	UEE-12/12.5-D48N-C	UWE-12/10-Q48N-C	UVQ-12/10-D48N-C
UCE-12/8.3-D48NH-Y	None		
UCE-12/8.3-D48N-Y	None		
UCE-12/8.3-D48PB-C	UEE-12/12.5-D48PB-C	UWE-12/10-Q48PB-C	UVQ-12/10-D48PB-C
UCE-12/8.3-D48PBH-Y	None		
UCE-12/8.3-D48PB-Y	None		
UCE-12/8.3-D48P-C	UEE-12/12.5-D48P-C	UWE-12/10-Q48P-C	UVQ-12/10-D48P-C
UCE-12/8.3-D48PH-Y	None		
UCE-12/8.3-D48P-Y	None		
UCE-2.5/20-D48NB-C	ULE-2.5/20-D48NB-C		
UCE-2.5/20-D48NBH-C	None		
UCE-2.5/20-D48NBH-Y	None		
UCE-2.5/20-D48NB-Y	None		
UCE-2.5/20-D48N-C	ULE-2.5/20-D48N-C		
UCE-2.5/20-D48NH-C	None		
UCE-2.5/20-D48NH-Y	None		
UCE-2.5/20-D48N-Y	None		
UCE-2.5/20-D48PB-C	ULE-2.5/20-D48PB-C		
UCE-2.5/20-D48PBH-C	None		
UCE-2.5/20-D48PBH-Y	None		
UCE-2.5/20-D48PB-Y	None		
UCE-2.5/20-D48P-C	ULE-2.5/20-D48P-C		
UCE-2.5/20-D48PH-C	None		
UCE-2.5/20-D48PH-Y	None		
UCE-2.5/20-D48P-Y	None		
UCE-3.3/15-D48NB-C	UEE-3.3/15-D48NB-C		
UCE-3.3/15-D48NBH-C	None		
UCE-3.3/15-D48NBH-Y	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCE-3.3/15-D48NB-Y	None		
UCE-3.3/15-D48N-C	UEE-3.3/15-D48N-C		
UCE-3.3/15-D48NH-C	None		
UCE-3.3/15-D48NH-Y	None		
UCE-3.3/15-D48NL2-C	None		
UCE-3.3/15-D48N-Y	None		
UCE-3.3/15-D48PB-C	UEE-3.3/15-D48PB-C		
UCE-3.3/15-D48PBH-C	None		
UCE-3.3/15-D48PBH-Y	None		
UCE-3.3/15-D48PB-Y	None		
UCE-3.3/15-D48P-C	UEE-3.3/15-D48P-C		
UCE-3.3/15-D48PH-C	UEE-3.3/15-D48PH-C		
UCE-3.3/15-D48PH-Y	UEE-3.3/15-D48PH-Y		
UCE-3.3/15-D48P-Y	UEE-3.3/15-D48P-Y		
UCE-3.3/20-D48N-C	UEE-3.3/25-D48N-C		
UCE-3.3/30-D48NB-C	UEE-3.3/30-D48NB-C		
UCE-3.3/30-D48NBH-C	UEE-3.3/30-D48NBH-C		
UCE-3.3/30-D48NBH-Y	UEE-3.3/30-D48NBH-Y		
UCE-3.3/30-D48NBL2-C	UEE-3.3/30-D48NB-C		
UCE-3.3/30-D48NB-Y	UEE-3.3/30-D48NB-Y		
UCE-3.3/30-D48N-C	UEE-3.3/30-D48N-C		
UCE-3.3/30-D48NH-C	UEE-3.3/30-D48NH-C		
UCE-3.3/30-D48NHL2-C	UEE-3.3/30-D48NH-C		
UCE-3.3/30-D48NHL2-C-HW	UEE-3.3/30-D48NH-C		
UCE-3.3/30-D48NHL2-Y	UEE-3.3/30-D48NH-Y		
UCE-3.3/30-D48NH-Y	UEE-3.3/30-D48NH-Y		
UCE-3.3/30-D48NL1-C	UEE-3.3/30-D48N-C		
UCE-3.3/30-D48NL2-C	UEE-3.3/30-D48NL2-C		
UCE-3.3/30-D48N-Y	UEE-3.3/30-D48N-Y		
UCE-3.3/30-D48PB-C	UEE-3.3/30-D48PB-C		
UCE-3.3/30-D48PBH-C	UEE-3.3/30-D48PBH-C		
UCE-3.3/30-D48PBH-Y	UEE-3.3/30-D48PBH-Y		
UCE-3.3/30-D48PB-Y	UEE-3.3/30-D48PB-Y		
UCE-3.3/30-D48P-C	UEE-3.3/30-D48P-C		
UCE-3.3/30-D48PH-C	UEE-3.3/30-D48PH-C		
UCE-3.3/30-D48PH-Y	UEE-3.3/30-D48PH-Y		
UCE-3.3/30-D48P-Y	UEE-3.3/30-D48P-Y		
UCE-31169-C	None		
UCE-31231-C	None		
UCE-5/10-D48NHL2-C-HW	UEE-5/30-D48N-C	ULE-5/12-D48N-C	

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCE-5/10-D48NHL2-Y	None		
UCE-5/10-D48NH-Y	None		
UCE-5/10-D48NL2-C-CIS	UEE-5/30-D48N-C	ULE-5/12-D48N-C	
UCE-5/10-D48N-Y	None		
UCE-5/10-D48P-C	UEE-5/30-D48P-C	ULE-5/12-D48P-C	
UCE-5/10-D48PH-Y	None		
UCE-5/10-D48P-Y	None		
UCE-5/20-D48NBH-Y	None		
UCE-5/20-D48NB-Y	None		
UCE-5/20-D48NH-Y	None		
UCE-5/20-D48N-Y	None		
UCE-5/20-D48PB-C	UEE-5/30-D48PB-C		
UCE-5/20-D48PBH-Y	None		
UCE-5/20-D48PB-Y	None		
UCE-5/20-D48P-C	UEE-5/30-D48P-C		
UCE-5/20-D48PH-Y	None		
UCE-5/20-D48P-Y	None		
UCH-1.8/40-D48NB-C	None		
UCH-1.8/40-D48NBH-C	None		
UCH-1.8/40-D48NBH-Y	None		
UCH-1.8/40-D48NB-Y	None		
UCH-1.8/40-D48N-C	None		
UCH-1.8/40-D48NH-C	None		
UCH-1.8/40-D48NH-Y	None		
UCH-1.8/40-D48N-Y	None		
UCH-1.8/40-D48PB-C	None		
UCH-1.8/40-D48PBH-C	None		
UCH-1.8/40-D48PBH-Y	None		
UCH-1.8/40-D48PB-Y	None		
UCH-1.8/40-D48P-C	None		
UCH-1.8/40-D48PH-C	None		
UCH-1.8/40-D48PH-Y	None		
UCH-1.8/40-D48P-Y	None		
UCH-12/12.5-D48NBH-C	None		
UCH-12/12.5-D48NBH-Y	None		
UCH-12/12.5-D48NB-Y	None		
UCH-12/12.5-D48NH-C	None		
UCH-12/12.5-D48NH-Y	None		
UCH-12/12.5-D48N-Y	None		
UCH-12/12.5-D48PB-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCH-12/12.5-D48PBH-C	None		
UCH-12/12.5-D48PBH-Y	None		
UCH-12/12.5-D48PB-Y	None		
UCH-12/12.5-D48P-C	None		
UCH-12/12.5-D48PH-C	None		
UCH-12/12.5-D48PH-Y	None		
UCH-12/12.5-D48P-Y	None		
UCH-12/4.2-D48-31163-Y	None		
UCH-12/4.2-D48NBH-C	None		
UCH-12/4.2-D48NBH-Y	None		
UCH-12/4.2-D48NB-Y	None		
UCH-12/4.2-D48NH-C	None		
UCH-12/4.2-D48NH-Y	None		
UCH-12/4.2-D48N-Y	None		
UCH-12/4.2-D48PB-C	None		
UCH-12/4.2-D48PBH-C	None		
UCH-12/4.2-D48PBH-Y	None		
UCH-12/4.2-D48PB-Y	None		
UCH-12/4.2-D48P-C	None		
UCH-12/4.2-D48PH-C	None		
UCH-12/4.2-D48PH-Y	None		
UCH-12/4.2-D48P-Y	None		
UCH-15/6.7-D48NB-C	None		
UCH-15/6.7-D48NBH-C	None		
UCH-15/6.7-D48NBH-Y	None		
UCH-15/6.7-D48NB-Y	None		
UCH-15/6.7-D48N-C	None		
UCH-15/6.7-D48NH-C	None		
UCH-15/6.7-D48NH-Y	None		
UCH-15/6.7-D48N-Y	None		
UCH-15/6.7-D48PB-C	None		
UCH-15/6.7-D48PBH-C	None		
UCH-15/6.7-D48PBH-Y	None		
UCH-15/6.7-D48PB-Y	None		
UCH-15/6.7-D48P-C	None		
UCH-15/6.7-D48PH-C	None		
UCH-15/6.7-D48PH-Y	None		
UCH-15/6.7-D48P-Y	None		
UCH-2.5/40-D48NB-C	None		
UCH-2.5/40-D48NBH-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCH-2.5/40-D48NBH-Y	None		
UCH-2.5/40-D48NB-Y	None		
UCH-2.5/40-D48N-C	None		
UCH-2.5/40-D48NH-C	None		
UCH-2.5/40-D48NH-Y	None		
UCH-2.5/40-D48N-Y	None		
UCH-2.5/40-D48PB-C	None		
UCH-2.5/40-D48PBH-C	None		
UCH-2.5/40-D48PBH-Y	None		
UCH-2.5/40-D48PB-Y	None		
UCH-2.5/40-D48P-C	None		
UCH-2.5/40-D48PH-C	None		
UCH-2.5/40-D48PH-Y	None		
UCH-2.5/40-D48P-Y	None		
UCH-3.3/10-D24NB-C	None		
UCH-3.3/10-D24NBH-C	None		
UCH-3.3/10-D24NBH-Y	None		
UCH-3.3/10-D24NB-Y	None		
UCH-3.3/10-D24N-C	None		
UCH-3.3/10-D24NH-C	None		
UCH-3.3/10-D24NH-Y	None		
UCH-3.3/10-D24N-Y	None		
UCH-3.3/10-D24PB-C	None		
UCH-3.3/10-D24PBH-C	None		
UCH-3.3/10-D24PBH-Y	None		
UCH-3.3/10-D24PB-Y	None		
UCH-3.3/10-D24P-C	None		
UCH-3.3/10-D24PH-C	None		
UCH-3.3/10-D24PH-Y	None		
UCH-3.3/10-D24P-Y	None		
UCH-3.3/10-D48-31159-C	None		
UCH-3.3/10-D48NB-C	None		
UCH-3.3/10-D48NBH-C	None		
UCH-3.3/10-D48NBH-Y	None		
UCH-3.3/10-D48NB-Y	None		
UCH-3.3/10-D48N-C	None		
UCH-3.3/10-D48NH-C	None		
UCH-3.3/10-D48NH-Y	None		
UCH-3.3/10-D48N-Y	None		
UCH-3.3/10-D48PB-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCH-3.3/10-D48PBH-C	None		
UCH-3.3/10-D48PBH-Y	None		
UCH-3.3/10-D48PB-Y	None		
UCH-3.3/10-D48P-C	None		
UCH-3.3/10-D48PH-C	None		
UCH-3.3/10-D48PH-Y	None		
UCH-3.3/10-D48P-Y	None		
UCH-3.3/15-D48-31160-Y	None		
UCH-3.3/15-D48NB	None		
UCH-3.3/15-D48NB-C	None		
UCH-3.3/15-D48NBH-C	None		
UCH-3.3/15-D48NBHL2-C	None		
UCH-3.3/15-D48NBHL2-C-HW	None		
UCH-3.3/15-D48NBHL2-Y	None		
UCH-3.3/15-D48NBH-Y	None		
UCH-3.3/15-D48NB-Y	None		
UCH-3.3/15-D48N-C	None		
UCH-3.3/15-D48NH-C	None		
UCH-3.3/15-D48NH-Y	None		
UCH-3.3/15-D48N-Y	None		
UCH-3.3/15-D48PB-C	None		
UCH-3.3/15-D48PBH-C	None		
UCH-3.3/15-D48PBH-Y	None		
UCH-3.3/15-D48PB-Y	None		
UCH-3.3/15-D48P-C	None		
UCH-3.3/15-D48PH-C	None		
UCH-3.3/15-D48PH-Y	None		
UCH-3.3/15-D48P-Y	None		
UCH-3.3/30-D48-31161-Y	None		
UCH-3.3/30-D48NB	None		
UCH-3.3/30-D48NB-C	None		
UCH-3.3/30-D48NBH-C	None		
UCH-3.3/30-D48NBHL2-C	None		
UCH-3.3/30-D48NBHL2-C-HW	None		
UCH-3.3/30-D48NBHL2-Y	None		
UCH-3.3/30-D48NBH-Y	None		
UCH-3.3/30-D48NB-Y	None		
UCH-3.3/30-D48N-C	None		
UCH-3.3/30-D48NH-C	None		
UCH-3.3/30-D48NH-Y	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCH-3.3/30-D48N-Y	None		
UCH-3.3/30-D48PB-C	None		
UCH-3.3/30-D48PBH-C	None		
UCH-3.3/30-D48PBH-Y	None		
UCH-3.3/30-D48PB-Y	None		
UCH-3.3/30-D48P-C	None		
UCH-3.3/30-D48PH-C	None		
UCH-3.3/30-D48PH-Y	None		
UCH-3.3/30-D48P-Y	None		
UCH-3.3/35-D24NB	None		
UCH-3.3/35-D24NB-C	None		
UCH-3.3/35-D24NBH-31123-Y	None		
UCH-3.3/35-D24NBH-C	None		
UCH-3.3/35-D24NBHL2-C	None		
UCH-3.3/35-D24NBHL2-C-HW	None		
UCH-3.3/35-D24NBHL2-Y	None		
UCH-3.3/35-D24NBH-Y	None		
UCH-3.3/35-D24NB-Y	None		
UCH-3.3/35-D24N-C	None		
UCH-3.3/35-D24NH-C	None		
UCH-3.3/35-D24NH-Y	None		
UCH-3.3/35-D24N-Y	None		
UCH-3.3/35-D24PB-C	None		
UCH-3.3/35-D24PBH-C	None		
UCH-3.3/35-D24PBH-Y	None		
UCH-3.3/35-D24PB-Y	None		
UCH-3.3/35-D24P-C	None		
UCH-3.3/35-D24PH-C	None		
UCH-3.3/35-D24PH-Y	None		
UCH-3.3/35-D24P-Y	None		
UCH-31173-C	None		
UCH-5/10-D48-31162-Y	None		
UCH-5/10-D48NB	None		
UCH-5/10-D48NB-C	None		
UCH-5/10-D48NBH-C	None		
UCH-5/10-D48NBHL2-C	None		
UCH-5/10-D48NBHL2-C-HW	None		
UCH-5/10-D48NBHL2-Y	None		
UCH-5/10-D48NBH-Y	None		
UCH-5/10-D48NB-Y	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCH-5/10-D48N-C	None		
UCH-5/10-D48NH-C	None		
UCH-5/10-D48NH-Y	None		
UCH-5/10-D48N-Y	None		
UCH-5/10-D48PB-C	None		
UCH-5/10-D48PBH-C	None		
UCH-5/10-D48PBH-Y	None		
UCH-5/10-D48PB-Y	None		
UCH-5/10-D48P-C	None		
UCH-5/10-D48PH-C	None		
UCH-5/10-D48PH-Y	None		
UCH-5/10-D48P-Y	None		
UCH-5/20-D24NB-C	None		
UCH-5/20-D24NBH-C	None		
UCH-5/20-D24NBH-Y	None		
UCH-5/20-D24NB-Y	None		
UCH-5/20-D24N-C	None		
UCH-5/20-D24NH-C	None		
UCH-5/20-D24NH-Y	None		
UCH-5/20-D24N-Y	None		
UCH-5/20-D24PBH-C	None		
UCH-5/20-D24PBH-Y	None		
UCH-5/20-D24PB-Y	None		
UCH-5/20-D24P-C	None		
UCH-5/20-D24PH-C	None		
UCH-5/20-D24PH-Y	None		
UCH-5/20-D24P-Y	None		
UCH-5/30-D48NB-C	None		
UCH-5/30-D48NBH-C	None		
UCH-5/30-D48NBH-Y	None		
UCH-5/30-D48NB-Y	None		
UCH-5/30-D48N-C	None		
UCH-5/30-D48NH-C	None		
UCH-5/30-D48NH-Y	None		
UCH-5/30-D48N-Y	None		
UCH-5/30-D48PB-C	None		
UCH-5/30-D48PBH-C	None		
UCH-5/30-D48PBH-Y	None		
UCH-5/30-D48PB-Y	None		
UCH-5/30-D48P-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCH-5/30-D48PH-C	None		
UCH-5/30-D48PH-Y	None		
UCH-5/30-D48P-Y	None		
UCQ-1.2/30-D48NB-C	None		
UCQ-1.2/30-D48NBH-C	None		
UCQ-1.2/30-D48NBH-Y	None		
UCQ-1.2/30-D48NB-Y	None		
UCQ-1.2/30-D48N-C	None		
UCQ-1.2/30-D48NH-C	None		
UCQ-1.2/30-D48NHL2-C	None		
UCQ-1.2/30-D48NHL2-C-HW	None		
UCQ-1.2/30-D48NHL2-Y	None		
UCQ-1.2/30-D48NH-Y	None		
UCQ-1.2/30-D48N-Y	None		
UCQ-1.2/30-D48PB-C	None		
UCQ-1.2/30-D48PBH-C	None		
UCQ-1.2/30-D48PBH-Y	None		
UCQ-1.2/30-D48PB-Y	None		
UCQ-1.2/30-D48P-C	None		
UCQ-1.2/30-D48PH-C	None		
UCQ-1.2/30-D48PH-Y	None		
UCQ-1.2/30-D48P-Y	None		
UCQ-1.5/25-D48NB-C	UVQ-1.5/40-D48NB-C		
UCQ-1.5/25-D48NBH-C	None		
UCQ-1.5/25-D48NBH-Y	None		
UCQ-1.5/25-D48NB-Y	None		
UCQ-1.5/25-D48N-C	UVQ-1.5/40-D48N-C		
UCQ-1.5/25-D48NH-C	None		
UCQ-1.5/25-D48NH-Y	None		
UCQ-1.5/25-D48N-Y	None		
UCQ-1.5/25-D48PB-C	UVQ-1.5/40-D48PB-C		
UCQ-1.5/25-D48PBH-C	None		
UCQ-1.5/25-D48PBH-Y	None		
UCQ-1.5/25-D48PB-Y	None		
UCQ-1.5/25-D48P-C	UVQ-1.5/40-D48P-C		
UCQ-1.5/25-D48PH-C	None		
UCQ-1.5/25-D48PH-Y	None		
UCQ-1.5/25-D48P-Y	None		
UCQ-1.5/40-D48N-C	UVQ-1.5/40-D48N-C		
UCQ-1.5/40-D48NH-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCQ-1.5/40-D48NH-Y	None		
UCQ-1.5/40-D48N-Y	None		
UCQ-1.5/40-D48P-C	UVQ-1.5/40-D48P-C		
UCQ-1.5/40-D48PH-C	None		
UCQ-1.5/40-D48PH-Y	None		
UCQ-1.5/40-D48P-Y	None		
UCQ-1.8/30-D48NB-C	None		
UCQ-1.8/30-D48NBH-C	None		
UCQ-1.8/30-D48NBH-Y	None		
UCQ-1.8/30-D48NB-Y	None		
UCQ-1.8/30-D48N-C	None		
UCQ-1.8/30-D48NH-C	None		
UCQ-1.8/30-D48NHL2-C	None		
UCQ-1.8/30-D48NHL2-C-HW	None		
UCQ-1.8/30-D48NHL2-Y	None		
UCQ-1.8/30-D48NH-Y	None		
UCQ-1.8/30-D48N-Y	None		
UCQ-1.8/30-D48PB-C	None		
UCQ-1.8/30-D48PBH-C	None		
UCQ-1.8/30-D48PBH-Y	None		
UCQ-1.8/30-D48PB-Y	None		
UCQ-1.8/30-D48P-C	None		
UCQ-1.8/30-D48PH-C	None		
UCQ-1.8/30-D48PH-Y	None		
UCQ-1.8/30-D48P-Y	None		
UCQ-1.8/40-D48N-C	None		
UCQ-1.8/40-D48NH-C	None		
UCQ-1.8/40-D48NHL2-C	None		
UCQ-1.8/40-D48NHL2-C-HW	None		
UCQ-1.8/40-D48NHL2-Y	None		
UCQ-1.8/40-D48NH-Y	None		
UCQ-1.8/40-D48N-Y	None		
UCQ-1.8/40-D48P-C	None		
UCQ-1.8/40-D48PH-C	None		
UCQ-1.8/40-D48PH-Y	None		
UCQ-1.8/40-D48P-Y	None		
UCQ-12/8.3-D48NBH-C	None		
UCQ-12/8.3-D48NBH-Y	None		
UCQ-12/8.3-D48NB-Y	None		
UCQ-12/8.3-D48NH-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCQ-12/8.3-D48NHL2-C	None		
UCQ-12/8.3-D48NHL2-C-HW	None		
UCQ-12/8.3-D48NHL2-Y	None		
UCQ-12/8.3-D48NH-Y	None		
UCQ-12/8.3-D48N-Y	None		
UCQ-12/8.3-D48PB-C	UVQ-12/10-D48PB-C		
UCQ-12/8.3-D48PBH-C	None		
UCQ-12/8.3-D48PBH-Y	None		
UCQ-12/8.3-D48PB-Y	None		
UCQ-12/8.3-D48P-C	UVQ-12/10-D48P-C		
UCQ-12/8.3-D48PH-C	None		
UCQ-12/8.3-D48PH-Y	None		
UCQ-12/8.3-D48P-Y	None		
UCQ-15/6.7-D48NB-C	UVQ-15/7-D48NB-C		
UCQ-15/6.7-D48NBH-C	None		
UCQ-15/6.7-D48NBH-Y	None		
UCQ-15/6.7-D48NB-Y	None		
UCQ-15/6.7-D48N-C	UVQ-15/7-D48N-C		
UCQ-15/6.7-D48NH-C	None		
UCQ-15/6.7-D48NH-Y	None		
UCQ-15/6.7-D48N-Y	None		
UCQ-15/6.7-D48PB-C	UVQ-15/7-D48PB-C		
UCQ-15/6.7-D48PBH-C	None		
UCQ-15/6.7-D48PBH-Y	None		
UCQ-15/6.7-D48PB-Y	None		
UCQ-15/6.7-D48P-C	UVQ-15/7-D48P-C		
UCQ-15/6.7-D48PH-C	None		
UCQ-15/6.7-D48PH-Y	None		
UCQ-15/6.7-D48P-Y	None		
UCQ-2.5/30-D48NB-C	UVQ-2.5/35-D48NB-C		
UCQ-2.5/30-D48NBH-C	None		
UCQ-2.5/30-D48NBH-Y	None		
UCQ-2.5/30-D48NB-Y	None		
UCQ-2.5/30-D48N-C	UVQ-2.5/35-D48N-C		
UCQ-2.5/30-D48NH-C	None		
UCQ-2.5/30-D48NHL2-C	None		
UCQ-2.5/30-D48NHL2-C-HW	None		
UCQ-2.5/30-D48NHL2-Y	None		
UCQ-2.5/30-D48NH-Y	None		
UCQ-2.5/30-D48N-Y	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCQ-2.5/30-D48PB-C	UVQ-2.5/35-D48PB-C		
UCQ-2.5/30-D48PBH-C	None		
UCQ-2.5/30-D48PBH-Y	None		
UCQ-2.5/30-D48PB-Y	None		
UCQ-2.5/30-D48P-C	UVQ-2.5/35-D48P-C		
UCQ-2.5/30-D48PH-C	None		
UCQ-2.5/30-D48PH-Y	None		
UCQ-2.5/30-D48P-Y	None		
UCQ-2.5/40-D24NB-C	UVQ-2.5/35-D24NB-C		
UCQ-2.5/40-D24NBH-C	None		
UCQ-2.5/40-D24NBH-Y	None		
UCQ-2.5/40-D24NB-Y	None		
UCQ-2.5/40-D24N-C	UVQ-2.5/35-D24N-C		
UCQ-2.5/40-D24NH-C	None		
UCQ-2.5/40-D24NH-Y	None		
UCQ-2.5/40-D24N-Y	None		
UCQ-2.5/40-D24PB-C	UVQ-2.5/35-D24PB-C		
UCQ-2.5/40-D24PBH-C	None		
UCQ-2.5/40-D24PBH-Y	None		
UCQ-2.5/40-D24PB-Y	None		
UCQ-2.5/40-D24P-C	UVQ-2.5/35-D24P-C		
UCQ-2.5/40-D24PH-C	None		
UCQ-2.5/40-D24PH-Y	None		
UCQ-2.5/40-D24P-Y	None		
UCQ-2.5/40-D48NB-C	UVQ-2.5/40-D48NB-C		
UCQ-2.5/40-D48NBH-C	None		
UCQ-2.5/40-D48NBH-Y	None		
UCQ-2.5/40-D48NB-Y	None		
UCQ-2.5/40-D48N-C	UVQ-2.5/40-D48N-C		
UCQ-2.5/40-D48NH-C	None		
UCQ-2.5/40-D48NHL2-C	None		
UCQ-2.5/40-D48NHL2-C-HW	None		
UCQ-2.5/40-D48NHL2-Y	None		
UCQ-2.5/40-D48NH-Y	None		
UCQ-2.5/40-D48N-Y	None		
UCQ-2.5/40-D48PB-C	UVQ-2.5/40-D48PB-C		
UCQ-2.5/40-D48PBH-C	None		
UCQ-2.5/40-D48PBH-Y	None		
UCQ-2.5/40-D48PB-Y	None		
UCQ-2.5/40-D48P-C	UVQ-2.5/40-D48P-C		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCQ-2.5/40-D48PH-C	None		
UCQ-2.5/40-D48PH-Y	None		
UCQ-2.5/40-D48P-Y	None		
UCQ-3.3/20-D48-31158-Y	None		
UCQ-3.3/20-D48NB	UVQ-3.3/35-D48NB-C	UEE-3.3/25-D48NB-C	
UCQ-3.3/20-D48NB-C	UVQ-3.3/35-D48NB-C	UEE-3.3/25-D48NB-C	
UCQ-3.3/20-D48NB-C	UVQ-3.3/35-D48NB-C	UEE-3.3/25-D48NB-C	
UCQ-3.3/20-D48NBH-C	None		
UCQ-3.3/20-D48NBH-Y	None		
UCQ-3.3/20-D48NB-Y	None		
UCQ-3.3/20-D48N-C	UVQ-3.3/35-D48N-C	UEE-3.3/25-D48N-C	
UCQ-3.3/20-D48NH-C	None		
UCQ-3.3/20-D48NH-Y	None		
UCQ-3.3/20-D48N-Y	None		
UCQ-3.3/20-D48PB-C	UVQ-3.3/35-D48PB-C	UEE-3.3/25-D48PB-C	
UCQ-3.3/20-D48PBH-C	None		
UCQ-3.3/20-D48PBH-Y	None		
UCQ-3.3/20-D48PB-Y	None		
UCQ-3.3/20-D48P-C	UVQ-3.3/35-D48P-C	UEE-3.3/25-D48P-C	
UCQ-3.3/20-D48PH-C	None		
UCQ-3.3/20-D48PH-Y	None		
UCQ-3.3/20-D48P-Y	None		
UCQ-3.3/30-D48-31155-Y	None		
UCQ-3.3/30-D48-31156-Y	None		
UCQ-3.3/30-D48N	UVQ-3.3/35-D48N-C	UEE-3.3/30-D48N-C	
UCQ-3.3/30-D48NB	UVQ-3.3/35-D48NB-C	UEE-3.3/30-D48NB-C	
UCQ-3.3/30-D48NBH-C	None		
UCQ-3.3/30-D48NBHL2-C	None		
UCQ-3.3/30-D48NBH-Y	None		
UCQ-3.3/30-D48NBL1-C	UVQ-3.3/35-D48NB-C	UEE-3.3/30-D48NB-C	
UCQ-3.3/30-D48NBL1-C-CIS	UVQ-3.3/35-D48NB-C	UEE-3.3/30-D48NB-C	
UCQ-3.3/30-D48NB-Y	None		
UCQ-3.3/30-D48NH-C	None		
UCQ-3.3/30-D48NH-Y	None		
UCQ-3.3/30-D48N-Y	None		
UCQ-3.3/30-D48P	UVQ-3.3/35-D48P-C	UEE-3.3/30-D48P-C	
UCQ-3.3/30-D48PB	UVQ-3.3/35-D48PB-C	UEE-3.3/30-D48PB-C	
UCQ-3.3/30-D48PB-C	UVQ-3.3/35-D48PB-C	UEE-3.3/30-D48PB-C	
UCQ-3.3/30-D48PBH-C	None		
UCQ-3.3/30-D48PBH-Y	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCQ-3.3/30-D48PB-Y	None		
UCQ-3.3/30-D48P-C	UVQ-3.3/35-D48P-C	UEE-3.3/30-D48P-C	
UCQ-3.3/30-D48PH-C	None		
UCQ-3.3/30-D48PH-Y	None		
UCQ-3.3/30-D48P-Y	None		
UCQ-3.3/35-D24-C	None		
UCQ-3.3/35-D24NB-C	UVQ-3.3/30-D24NB-C		
UCQ-3.3/35-D24NBH-C	None		
UCQ-3.3/35-D24NBH-Y	None		
UCQ-3.3/35-D24NB-Y	None		
UCQ-3.3/35-D24N-C	UVQ-3.3/30-D24N-C		
UCQ-3.3/35-D24NH-C	None		
UCQ-3.3/35-D24NH-Y	None		
UCQ-3.3/35-D24N-Y	None		
UCQ-3.3/35-D24PB-C	UVQ-3.3/30-D24PB-C		
UCQ-3.3/35-D24PBH-C	None		
UCQ-3.3/35-D24PBH-Y	None		
UCQ-3.3/35-D24PB-Y	None		
UCQ-3.3/35-D24P-C	UVQ-3.3/30-D24P-C		
UCQ-3.3/35-D24PH-C	None		
UCQ-3.3/35-D24PH-Y	None		
UCQ-3.3/35-D24P-Y	None		
UCQ-3.3/40-D48NB-C	UVQ-3.3/35-D48NB-C	UEE-3.3/45-D48NB-C	
UCQ-3.3/40-D48NBH-C	None		
UCQ-3.3/40-D48NBHL2-C	None		
UCQ-3.3/40-D48NBHL2-C-HW	None		
UCQ-3.3/40-D48NBHL2-Y	None		
UCQ-3.3/40-D48NBH-Y	None		
UCQ-3.3/40-D48NBL2-C	UVQ-3.3/35-D48NB-C	UEE-3.3/45-D48NB-C	
UCQ-3.3/40-D48NB-Y	None		
UCQ-3.3/40-D48N-C	UVQ-3.3/35-D48N-C	UEE-3.3/45-D48N-C	
UCQ-3.3/40-D48NH-C	None		
UCQ-3.3/40-D48NH-Y	None		
UCQ-3.3/40-D48NL2-C	UVQ-3.3/35-D48N-C	UEE-3.3/45-D48N-C	
UCQ-3.3/40-D48N-Y	None		
UCQ-3.3/40-D48PB-C	UVQ-3.3/35-D48PB-C	UEE-3.3/45-D48PB-C	
UCQ-3.3/40-D48PBH-C	None		
UCQ-3.3/40-D48PBH-Y	None		
UCQ-3.3/40-D48PB-Y	None		
UCQ-3.3/40-D48P-C	UVQ-3.3/35-D48P-C	UEE-3.3/45-D48P-C	

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCQ-3.3/40-D48PH-C	None		
UCQ-3.3/40-D48PH-Y	None		
UCQ-3.3/40-D48P-Y	None		
UCQ-31197-C	None		
UCQ-5/20-D24NB-C	UVQ-5/20-D24NB-C		
UCQ-5/20-D24NBH-C	None		
UCQ-5/20-D24NBH-Y	None		
UCQ-5/20-D24NB-Y	None		
UCQ-5/20-D24N-C	UVQ-5/20-D24N-C		
UCQ-5/20-D24NH-C	None		
UCQ-5/20-D24NH-Y	None		
UCQ-5/20-D24N-Y	None		
UCQ-5/20-D24PB-C	UVQ-5/20-D24PB-C		
UCQ-5/20-D24PBH-C	None		
UCQ-5/20-D24PBH-Y	None		
UCQ-5/20-D24PB-Y	None		
UCQ-5/20-D24P-C	UVQ-5/20-D24P-C		
UCQ-5/20-D24PH-C	None		
UCQ-5/20-D24PH-Y	None		
UCQ-5/20-D24P-Y	None		
UCQ-5/20-D48-31157-Y	None		
UCQ-5/20-D48N	None		
UCQ-5/20-D48NB	UVQ-5/20-D48NB-C		
UCQ-5/20-D48NBH-C	None		
UCQ-5/20-D48NBH-Y	None		
UCQ-5/20-D48NB-Y	None		
UCQ-5/20-D48NH-C	None		
UCQ-5/20-D48NHL2-C	None		
UCQ-5/20-D48NH-Y	None		
UCQ-5/20-D48NL1-C	UVQ-5/20-D48NB-C	UEE-5/30-D48NB-C	
UCQ-5/20-D48N-Y	None		
UCQ-5/20-D48P	UVQ-5/20-D48P-C	UEE-5/30-D48P-C	
UCQ-5/20-D48PB	UVQ-5/20-D48PB-C	UEE-5/30-D48PB-C	
UCQ-5/20-D48PB-C	UVQ-5/20-D48PB-C	UEE-5/30-D48PB-C	
UCQ-5/20-D48PBH-C	None		
UCQ-5/20-D48PBH-Y	None		
UCQ-5/20-D48PB-Y	None		
UCQ-5/20-D48P-C	UVQ-5/20-D48P-C	UEE-5/30-D48P-C	
UCQ-5/20-D48PH-C	None		
UCQ-5/20-D48PH-Y	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UCQ-5/20-D48P-Y	None		
UCQ-5/25-D48NBH-C	None		
UCQ-5/25-D48NBH-Y	None		
UCQ-5/25-D48NB-Y	None		
UCQ-5/25-D48NH-C	None		
UCQ-5/25-D48NH-Y	None		
UCQ-5/25-D48NL2-C	UVQ-5/20-D48N-C	UEE-5/30-D48N-C	
UCQ-5/25-D48N-Y	None		
UCQ-5/25-D48PB-C	UVQ-5/20-D48PB-C	UEE-5/30-D48PB-C	
UCQ-5/25-D48PBH-C	None		
UCQ-5/25-D48PBH-Y	None		
UCQ-5/25-D48PB-Y	None		
UCQ-5/25-D48P-C	UVQ-5/20-D48P-C	UEE-5/30-D48P-C	
UCQ-5/25-D48PH-C	None		
UCQ-5/25-D48PH-Y	None		
UCQ-5/25-D48P-Y	None		
UCQ-75/0.7-D48-C	None		
UST-12/250-D12	None		
UST-12/250-D12-C	None		
UST-12/250-D48	UST-12/250-D48-C		
UST-12/250-D48L1	None		
UST-12/250-D48L1-C	None		
UST-12/250-D5	None		
UST-15/200-D12	None		
UST-15/200-D12-C	None		
UST-15/200-D48	UST-15/200-D48-C		
UST-15/200-D5	None		
UST-30573	None		
UST-31099	None		
UST-31233-C	None		
UST-5/500-D12	UST-5/500-D12-C		
UST-5/500-D48	UST-5/500-D48-C		
UST-5/500-D48L1	None		
UST-5/500-D48L1-C	None		
UWR-12/1250-D12AC	None		
UWR-12/1250-D12AC-C	None		
UWR-12/1250-D12ACT	SPM15-120-Q12P-C		
UWR-12/1250-D12ACT-C	SPM15-120-Q12P-C		
UWR-12/1250-D12AN	None		
UWR-12/1250-D12AN-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UWR-12/1250-D12ANT	SPM15-120-Q12N-C		
UWR-12/1250-D12ANT-C	SPM15-120-Q12N-C		
UWR-12/1250-D12AT	None		
UWR-12/1250-D12AT-C	None		
UWR-12/1250-D24A	SPM15-120-Q12-C		
UWR-12/1250-D24AC	None		
UWR-12/1250-D24AC-C	None		
UWR-12/1250-D24ACT	SPM15-120-Q12P-C		
UWR-12/1250-D24ACT-C	SPM15-120-Q12P-C		
UWR-12/1250-D24AN	None		
UWR-12/1250-D24AN-C	None		
UWR-12/1250-D24ANT	SPM15-120-Q12N-C		
UWR-12/1250-D24ANT-C	SPM15-120-Q12N-C		
UWR-12/1250-D24AT	None		
UWR-12/1250-D24AT-C	None		
UWR-12/1250-D48A	SPM15-120-Q48-C		
UWR-12/1250-D48AC	None		
UWR-12/1250-D48A-C	SPM15-120-Q48-C		
UWR-12/1250-D48AC-C	None		
UWR-12/1250-D48ACT	SPM15-120-Q48P-C		
UWR-12/1250-D48ACT-C	SPM15-120-Q48P-C		
UWR-12/1250-D48AL1-C	None		
UWR-12/1250-D48AL1-Y	None		
UWR-12/1250-D48AN	None		
UWR-12/1250-D48AN-C	None		
UWR-12/1250-D48ANT	SPM15-120-Q48N-C		
UWR-12/1250-D48ANT-C	SPM15-120-Q48N-C		
UWR-12/1250-D48ANTL2	SPM15-120-Q48N-C		
UWR-12/1250-D48AT	None		
UWR-12/1250-D48AT-C	None		
UWR-12/1250-D48A-Y	None		
UWR-15/1000-D12A	SPM15-150-Q12-C		
UWR-15/1000-D12AC	None		
UWR-15/1000-D12A-C	SPM15-150-Q12-C		
UWR-15/1000-D12AC-C	None		
UWR-15/1000-D12ACL1	None		
UWR-15/1000-D12ACT	SPM15-150-Q12P-C		
UWR-15/1000-D12ACT-C	SPM15-150-Q12P-C		
UWR-15/1000-D12AN	None		
UWR-15/1000-D12AN-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UWR-15/1000-D12ANT	SPM15-150-Q12N-C		
UWR-15/1000-D12ANT-C	SPM15-150-Q12N-C		
UWR-15/1000-D12AT	None		
UWR-15/1000-D12AT-C	None		
UWR-15/1000-D24A	SPM15-150-Q12-C		
UWR-15/1000-D24AC	None		
UWR-15/1000-D24A-C	SPM15-150-Q12-C		
UWR-15/1000-D24AC-C	None		
UWR-15/1000-D24ACT	SPM15-150-Q12P-C		
UWR-15/1000-D24ACT-C	SPM15-150-Q12P-C		
UWR-15/1000-D24AN	None		
UWR-15/1000-D24AN-C	None		
UWR-15/1000-D24ANT	SPM15-150-Q12N-C		
UWR-15/1000-D24ANT-C	SPM15-150-Q12N-C		
UWR-15/1000-D24AT	None		
UWR-15/1000-D48A	SPM15-150-Q48-C		
UWR-15/1000-D48AC	None		
UWR-15/1000-D48A-C	SPM15-150-Q48-C		
UWR-15/1000-D48AC-C	None		
UWR-15/1000-D48ACT	SPM15-150-Q48P-C		
UWR-15/1000-D48ACT-C	SPM15-150-Q48P-C		
UWR-15/1000-D48AN	None		
UWR-15/1000-D48AN-C	None		
UWR-15/1000-D48ANT	SPM15-150-Q48N-C		
UWR-15/1000-D48ANT-C	SPM15-150-Q48N-C		
UWR-15/1000-D48AT	None		
UWR-15/1000-D48AT-C	None		
UWR-3.3/4250-D12A	SPM15-033-Q12-C		
UWR-3.3/4250-D12AC	None		
UWR-3.3/4250-D12AC-C	None		
UWR-3.3/4250-D12ACT	SPM15-033-Q12P-C		
UWR-3.3/4250-D12ACT-C	SPM15-033-Q12P-C		
UWR-3.3/4250-D12ACTL1	SPM15-033-Q12P-C		
UWR-3.3/4250-D12AE	None		
UWR-3.3/4250-D12AN	None		
UWR-3.3/4250-D12AN-C	None		
UWR-3.3/4250-D12ANT	SPM15-033-Q12N-C		
UWR-3.3/4250-D12ANT-C	SPM15-033-Q12N-C		
UWR-3.3/4250-D12ANTL1	SPM15-033-Q12N-C		
UWR-3.3/4250-D12ANTL2	SPM15-033-Q12N-C		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UWR-3.3/4250-D12AT	None		
UWR-3.3/4250-D12AT-C	None		
UWR-3.3/4250-D24A	SPM15-033-Q12-C		
UWR-3.3/4250-D24AC	None		
UWR-3.3/4250-D24AC-C	None		
UWR-3.3/4250-D24ACT	SPM15-033-Q12P-C		
UWR-3.3/4250-D24ACTL1	SPM15-033-Q12P-C		
UWR-3.3/4250-D24AN	None		
UWR-3.3/4250-D24AN-C	None		
UWR-3.3/4250-D24ANT	SPM15-033-Q12N-C		
UWR-3.3/4250-D24ANT-C	SPM15-033-Q12N-C		
UWR-3.3/4250-D24AT	None		
UWR-3.3/4250-D24AT-C	None		
UWR-3.3/4250-D48A	UWR-3.3/4250-D48A-C		
UWR-3.3/4250-D48A-31085	None		
UWR-3.3/4250-D48AC-C	None		
UWR-3.3/4250-D48ACT	SPM15-033-Q48P-C		
UWR-3.3/4250-D48ACT-C	SPM15-033-Q48P-C		
UWR-3.3/4250-D48ACTL1	SPM15-033-Q48P-C		
UWR-3.3/4250-D48ACTL2	SPM15-033-Q48P-C		
UWR-3.3/4250-D48AE	None		
UWR-3.3/4250-D48AN	None		
UWR-3.3/4250-D48AN-C	None		
UWR-3.3/4250-D48ANT	SPM15-033-Q48N-C		
UWR-3.3/4250-D48ANT-C	SPM15-033-Q48N-C		
UWR-3.3/4250-D48AT	None		
UWR-3.3/4250-D48AT-C	None		
UWR-3.3/4500-D48ANT	SPM15-033-Q48N-C		
UWR-3.3/4500-D48ANT-31138-C	None		
UWR-3.3/4500-D48ANT-31138-Y	None		
UWR-3.3/4500-D48ANT-C	SPM15-033-Q48N-C		
UWR-3.3/4500-D48ANTHL2-C	None		
UWR-3.3/4500-D48ANTHL2-C-HW	None		
UWR-3.3/4500-D48ANTHL2-Y	None		
UWR-3.3/9-D24A-C	UEI-3.3/15-Q12P-C		
UWR-5/3000-D12A	SPM15-050-Q12-C		
UWR-5/3000-D12AC	None		
UWR-5/3000-D12AC-C	None		
UWR-5/3000-D12ACT	SPM15-050-Q12P-C		
UWR-5/3000-D12ACT-C	SPM15-050-Q12P-C		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UWR-5/3000-D12ACTL2	SPM15-050-Q12P-C		
UWR-5/3000-D12AN	None		
UWR-5/3000-D12AN-C	None		
UWR-5/3000-D12ANT	SPM15-050-Q12N-C		
UWR-5/3000-D12ANT-C	SPM15-050-Q12N-C		
UWR-5/3000-D12ANTL1	SPM15-050-Q12N-C		
UWR-5/3000-D12AT	None		
UWR-5/3000-D12AT-C	None		
UWR-5/3000-D24A	SPM15-050-Q12-C		
UWR-5/3000-D24AC	None		
UWR-5/3000-D24AC-C	None		
UWR-5/3000-D24ACT	SPM15-050-Q12P-C		
UWR-5/3000-D24ACT-C	SPM15-050-Q12P-C		
UWR-5/3000-D24ACTL1	SPM15-050-Q12P-C		
UWR-5/3000-D24AL2	None		
UWR-5/3000-D24AN	None		
UWR-5/3000-D24AN-C	None		
UWR-5/3000-D24ANT	SPM15-050-Q12N-C		
UWR-5/3000-D24ANT-C	SPM15-050-Q12N-C		
UWR-5/3000-D24AST	None		
UWR-5/3000-D24AST-C	None		
UWR-5/3000-D24AT	None		
UWR-5/3000-D48A	SPM15-050-Q48-C		
UWR-5/3000-D48A-31086	None		
UWR-5/3000-D48AC	None		
UWR-5/3000-D48AC-C	None		
UWR-5/3000-D48ACT	SPM15-050-Q48P-C		
UWR-5/3000-D48ACT-30770	None		
UWR-5/3000-D48ACT-30770-Y	None		
UWR-5/3000-D48ACT-C	SPM15-050-Q48P-C		
UWR-5/3000-D48ACTL1	SPM15-050-Q48P-C		
UWR-5/3000-D48ACTL1-C	SPM15-050-Q48P-C		
UWR-5/3000-D48ACTL2	SPM15-050-Q48P-C		
UWR-5/3000-D48ACTL2-C	SPM15-050-Q48P-C		
UWR-5/3000-D48AN	None		
UWR-5/3000-D48AN-C	None		
UWR-5/3000-D48ANST	None		
UWR-5/3000-D48ANST-31140-Y	None		
UWR-5/3000-D48ANST-C	None		
UWR-5/3000-D48ANSTHL2-C	None		

Product	Recommended Alternate	Recommended Alternate	Recommended Alternate
UWR-5/3000-D48ANSTHL2-C-HW	None		
UWR-5/3000-D48ANSTHL2-Y	None		
UWR-5/3000-D48ANT	SPM15-050-Q48N-C		
UWR-5/3000-D48ANT-C	SPM15-050-Q48N-C		
UWR-5/3000-D48AT	None		
UWR-5/3000-D48AT-C	None		
UWR-5/7-D12A	UEI-5/10-Q12P-C		
UWR-5/7-D12A-C	UEI-5/10-Q12P-C		
UWR-5/8-D24AN-C	UEI-5/10-Q12N-C		
UWR-5/8-D48A	UEI-5/12-Q48P-C		
UWR-5/8-D48A-C	UEI-5/12-Q48P-C		
UWR-5/8-D48AN	UEI-5/12-Q48N-C		
UWR-5/8-D48AN-C	UEI-5/12-Q48N-C		
VR091B080CL-1	None		
VR091B080CS-1C	None		
VR091B080CS-1Y	None		
VR091B080CS-2	None		
VR091B080CS-2C	None		
VR091B080CS-C	None		
VR091B080TU-1C	None		
VR091B080TU-1Y	None		
VR100B080CU-2C	None		
VR102-31115	None		
VR102B120CS	None		
VR102B120CS-2C	None		
VR102B120CS-C	None		
VR102B150CS-2C	None		
VR102B150CU-2	None		
VR102B150CU-2C	None		
VR102B150CU-3C	None		
VR102B150CUE-3C	None		
VR10CB150CU-1C	None		
VR102B150CU-C	None		
VRK81-31114	None		
VRK81B080CU-1C	None		
VRK81B080CU-1Y	None		
VRK81B100CS-1C	None		
VRK81B100TH-3	None		