

PRODUCT DISCONTINUANCE NOTICE

October 31, 2014

Dear Customer,

Murata Power Solutions (MPS) hereby gives official notification that the following product(s) you may have purchased from us are becoming discontinued 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 March 31, 2015. 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 September 30, 2015. Once placed, LTB orders cannot be canceled, 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.com/en-us/support/locations/americas/find>.

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

Applications Engineers/Technical Support:

| Area | Name | E-mail Address |
|-----------------|--------------------|--|
| East Coast, USA | Ron Jungling | rjungling@murata.com |
| West Coast, USA | Tomo Hashimoto | tomoaki.hashimoto@murata.com |
| Europe | Hiroki Tatsumi | hiroki_tatsumi@murata.com |
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| APAC | Neil Yang | neil.yang@murata.com |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|--------------------|-----------------------|-------------------------------|-----------------------|-------------------------------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| MAPC-104 | None | | None | | None |
| MAPC-104-5V | None | | None | | None |
| MAPC-104-5V-C | None | | None | | None |
| MAPC-104-C | None | | None | | None |
| MAPC-104-Y | None | | None | | None |
| MAPC-104-Y-CIS | None | | None | | None |
| RBC-12/17-D48NB-C | UWQ-12/17-Q48NB-C | 4:1 input | RBE-12/20-D48NB-C | 1/8 brick | None |
| RBC-12/17-D48N-C | UWQ-12/17-Q48N-C | 4:1 input | RBE-12/20-D48N-C | 1/8 brick | None |
| RBC-12/17-D48PB-C | UWQ-12/17-Q48PB-C | 4:1 input | RBE-12/20-D48PB-C | 1/8 brick | None |
| RBC-12/17-D48P-C | UWQ-12/17-Q48P-C | 4:1 input | RBE-12/20-D48P-C | 1/8 brick | None |
| TWR-31065 | None | | None | | None |
| UHE-12/2500-D12 | UHE-12/2500-D12-C | | UEI30-120-Q12P-C | 4:1 input, open frame package | None |
| UHE-12/2500-D12N | UEI30-120-Q12N-C | 4:1 input, open frame package | None | | None |
| UHE-12/2500-D12N-C | UEI30-120-Q12N-C | 4:1 input, open frame package | None | | None |
| UHE-12/2500-D24 | UEI30-120-Q12P-C | 4:1 input, open frame package | None | | None |
| UHE-12/2500-D24N | UEI30-120-Q12N-C | 4:1 input, open frame package | None | | None |
| UHE-12/2500-D24N-C | UEI30-120-Q12N-C | 4:1 input, open frame package | None | | None |
| UHE-12/2500-D48 | UEI30-120-Q48P-C | 4:1 input, open frame package | None | | None |
| UHE-12/2500-D48N | UEI30-120-Q48N-C | 4:1 input, open frame package | None | | None |
| UHE-12/2500-D48N-C | UEI30-120-Q48N-C | 4:1 input, open frame package | None | | None |
| UHE-12/2500-Q12 | UEI30-120-Q12P-C | Open frame package | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|--------------------|-----------------------|-------------------------------|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| UHE-12/2500-Q12N | UEI30-120-Q12N-C | Open frame package | None | | None |
| UHE-12/2500-Q12N-C | UEI30-120-Q12N-C | Open frame package | None | | None |
| UHE-12/2500-Q48 | UEI30-120-Q48P-C | Open frame package | None | | None |
| UHE-12/2500-Q48N | UEI30-120-Q48N-C | Open frame package | None | | None |
| UHE-12/2500-Q48N-C | UEI30-120-Q48N-C | Open frame package | None | | None |
| UHE-12/2500-Q48-Y | None | | None | | None |
| UHE-15/2000-D12 | UEI30-150-Q12P-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-D12N | UEI30-150-Q12N-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-D12N-C | UEI30-150-Q12N-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-D24 | UEI30-150-Q12P-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-D24N | UEI30-150-Q12N-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-D24N-C | UEI30-150-Q12N-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-D48 | UEI30-150-Q48P-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-D48N | UEI30-150-Q48N-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-D48N-C | UEI30-150-Q48N-C | 4:1 input, open frame package | None | | None |
| UHE-15/2000-Q12 | UEI30-150-Q12P-C | Open frame package | None | | None |
| UHE-15/2000-Q12N | UEI30-150-Q12N-C | Open frame package | None | | None |
| UHE-15/2000-Q48 | UEI30-150-Q48P-C | Open frame package | None | | None |
| UHE-15/2000-Q48N | UEI30-150-Q48N-C | Open frame package | None | | None |
| UHE-15/2000-Q48N-C | UEI30-150-Q48N-C | Open frame package | None | | None |
| UHE-3.3/7500-D48 | UEI30-033-Q48P-C | 4:1 input, open frame | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|---------------------------|-----------------------|-------------------------------|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| | | package | | | |
| UHE-3.3/7500-D48N | UEI30-033-Q48N-C | 4:1 input, open frame package | None | | None |
| UHE-3.3/7500-D48N-31016 | None | | None | | None |
| UHE-3.3/7500-D48N-C | UEI30-033-Q48N-C | 4:1 input, open frame package | None | | None |
| UHE-3.3/7500-D48NR-C | UEI-3.3/18-Q48NR-C | 4:1 input, open frame package | None | | None |
| UHE-3.3/7500-D48R-C | UEI-3.3/18-Q48PR-C | 4:1 input, open frame package | None | | None |
| UHE-3.3/7500-D48T | None | | None | | None |
| UHE-3.3/7500-D48T-31137-Y | None | | None | | None |
| UHE-3.3/7500-D48T-C | None | | None | | None |
| UHE-3.3/7500-D48THL2-C | None | | None | | None |
| UHE-3.3/7500-D48THL2-C-HW | None | | None | | None |
| UHE-3.3/7500-D48THL2-Y | None | | None | | None |
| UHE-3.3/7500-Q12 | UEI30-033-Q12P-C | Open frame package | None | | None |
| UHE-3.3/7500-Q12N | UEI30-033-Q12N-C | Open frame package | None | | None |
| UHE-3.3/7500-Q12N-C | UEI30-033-Q12N-C | Open frame package | None | | None |
| UHE-3.3/7500-Q12NR | UEI-3.3/15-Q12NR-C | 4:1 input, open frame package | None | | None |
| UHE-3.3/7500-Q12NR-C | UEI-3.3/15-Q12NR-C | 4:1 input, open frame package | None | | None |
| UHE-3.3/7500-Q12R | UEI-3.3/15-Q12PR-C | 4:1 input, open frame package | None | | None |
| UHE-3.3/7500-Q12R-C | UEI-3.3/15-Q12PR-C | 4:1 input, open frame package | None | | None |
| UHE-3.3/7500-Q48 | UEI30-033-Q48P-C | Open frame package | None | | None |
| UHE-3.3/7500-Q48N | UEI30-033-Q48N-C | Open frame package | None | | None |
| UHE-3.3/7500-Q48N-C | UEI30-033-Q48N-C | Open frame package | None | | None |
| UHE-3.3/7500-Q48NR-C | UEI-3.3/18-Q48NR-C | Open frame package | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|---------------------|-----------------------|--------------------|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| UHE-3.3/7500-Q48R-C | UEI-3.3/18-Q48PR-C | Open frame package | None | | None |
| UHE-30827 | UHE-30827-C | | None | | None |
| UHE-30952 | None | | None | | None |
| UHE-30980 | None | | None | | None |
| UHE-30984 | None | | None | | None |
| UHE-30987 | None | | None | | None |
| UHE-31003 | None | | None | | None |
| UHE-31003-C | None | | None | | None |
| UHE-31004 | None | | None | | None |
| UHE-31004-C | None | | None | | None |
| UHE-31006 | None | | None | | None |
| UHE-31007 | None | | None | | None |
| UHE-31048 | None | | None | | None |
| UHE-31075-C | None | | None | | None |
| UHE-31080 | None | | None | | None |
| UHE-31118-C | None | | None | | None |
| UHE-31119-C | None | | None | | None |
| UHE-31148-C | None | | None | | None |
| UHE-31148-Y | None | | None | | None |
| UHE-31226-C | None | | None | | None |
| UHE-31247-C | None | | None | | None |
| UHE-5/5000-Q12 | UEI30-050-Q12P-C | Open frame package | None | | None |
| UHE-5/5000-Q12N | UEI30-050-Q12N-C | Open frame package | None | | None |
| UHE-5/5000-Q12N-C | UEI30-050-Q12N-C | Open frame package | None | | None |
| UHE-5/5000-Q12NR | UEI-5/10-Q12NR-C | Open frame package | None | | None |
| UHE-5/5000-Q12NR-C | UEI-5/10-Q12NR-C | Open frame package | None | | None |
| UHE-5/5000-Q12R | UEI-5/10-Q12PR-C | Open frame package | None | | None |
| UHE-5/5000-Q12R-C | UEI-5/10-Q12PR-C | Open frame package | None | | None |
| UHE-5/5000-Q48 | UEI30-050-Q48P-C | Open frame package | None | | None |
| UHE-5/5000-Q48N | UEI30-050-Q48N-C | Open frame package | None | | None |
| UHE-5/5000-Q48N-C | UEI30-050-Q48N-C | Open frame package | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|-------------------------|-----------------------|-------------------------------|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| UHE-5/5000-Q48NR | UEI-5/12-Q48NR-C | Open frame package | None | | None |
| UHE-5/5000-Q48NR-C | UEI-5/12-Q48NR-C | Open frame package | None | | None |
| UHE-5/5000-Q48R | UEI-5/12-Q48PR-C | Open frame package | None | | None |
| UHE-5/5000-Q48R-C | UEI-5/12-Q48PR-C | Open frame package | None | | None |
| UHE-5/6000-D48N-30749-Y | None | | None | | None |
| UHE-5/6000-D48N-C | UEI30-050-Q48N-C | Open frame package | None | | None |
| UHE-5/6000-D48NR | UEI-5/12-Q48NR-C | 4:1 input, open frame package | None | | None |
| UHE-5/6000-D48NR-C | UEI-5/12-Q48NR-C | 4:1 input, open frame package | None | | None |
| UHE-5/6000-D48R | UEI-5/12-Q48PR-C | 4:1 input, open frame package | None | | None |
| UHE-5/6000-D48R-C | UEI-5/12-Q48PR-C | 4:1 input, open frame package | None | | None |
| UHE-5/6000-D48T-31136-C | None | | None | | None |
| UHE-5/6000-D48T-31136-Y | None | | None | | None |
| UHE-5/6000-D48T-C | None | | None | | None |
| UHE-5/6000-D48THL2-C | None | | None | | None |
| UHE-5/6000-D48THL2-C-HW | None | | None | | None |
| UHE-5/6000-D48THL2-Y | None | | None | | None |
| UHE-5/6000-D48-Y | None | | None | | None |
| UHE-5/6000-D48-Y-CIS | None | | None | | None |
| UHE-5/6000-Q12N | UEI30-050-Q12N-C | Open frame package | None | | None |
| UHE-5/6000-Q12N-C | UEI30-050-Q12N-C | Open frame package | None | | None |
| UHE-5/6000-Q48T-C | None | | None | | None |
| ULE-1.2/30-D48N-C | None | | None | | None |
| ULE-1.2/30-D48P-C | None | | None | | None |
| ULE-1.5/20-D24N-C | None | | None | | None |
| ULE-1.5/20-D24NM-C | None | | None | | None |
| ULE-1.5/20-D24P-C | None | | None | | None |
| ULE-1.5/20-D24PM-C | None | | None | | None |
| ULE-1.5/20-D48N-C | None | | None | | None |
| ULE-1.5/20-D48NM | None | | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|---------------------|-----------------------|---|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| ULE-1.5/20-D48NM-C | None | | None | | None |
| ULE-1.5/20-D48P-C | None | | None | | None |
| ULE-1.5/20-D48PM | None | | None | | None |
| ULE-1.5/20-D48PM-C | None | | None | | None |
| ULE-1.8/20-D24N-C | None | | None | | None |
| ULE-1.8/20-D24NM-C | None | | None | | None |
| ULE-1.8/20-D24P-C | None | | None | | None |
| ULE-1.8/20-D24PM-C | None | | None | | None |
| ULE-1.8/20-D48N-C | None | | None | | None |
| ULE-1.8/20-D48NL2-C | None | | None | | None |
| ULE-1.8/20-D48NM-C | None | | None | | None |
| ULE-1.8/20-D48P | None | | None | | None |
| ULE-1.8/20-D48P-C | None | | None | | None |
| ULE-1.8/20-D48PM-C | None | | None | | None |
| ULE-12/4.2-D24NM-C | None | | None | | None |
| ULE-12/4.2-D24PM-C | None | | None | | None |
| ULE-12/4.2-D48NM-C | UEE-12/12.5-D48NM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULE-12/4.2-D48PM-C | UEE-12/12.5-D48PM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULE-2.5/20-D24N-C | None | | None | | None |
| ULE-2.5/20-D24PM | None | | None | | None |
| ULE-2.5/20-D24PM-C | None | | None | | None |
| ULE-2.5/20-D48N-C | None | | None | | None |
| ULE-2.5/20-D48NL2 | None | | None | | None |
| ULE-2.5/20-D48NM-C | None | | None | | None |
| ULE-2.5/20-D48P-C | None | | None | | None |
| ULE-2.5/20-D48PM | None | | None | | None |
| ULE-2.5/20-D48PM-C | None | | None | | None |
| ULE-3.3/20-D12NM-C | None | | None | | None |
| ULE-3.3/20-D12PM | None | | None | | None |
| ULE-3.3/20-D12PM-C | None | | None | | None |
| ULE-3.3/20-D24PM-C | None | | None | | None |
| ULE-3.3/20-D48NM-C | UEE-3.3/25-D48NM-C | Straight SMT pins instead of gull wing. | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|---------------------|-----------------------|---|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| ULE-3.3/20-D48PM-C | UEE-3.3/25-D48PM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULE-31103 | None | | None | | None |
| ULE-31104 | None | | None | | None |
| ULE-31106 | None | | None | | None |
| ULE-31131-C | None | | None | | None |
| ULE-31131-Y | None | | None | | None |
| ULE-31199-C | None | | None | | None |
| ULE-48/1.25-D48NM-C | None | | None | | None |
| ULE-48/1.25-D48PM-C | None | | None | | None |
| ULE-5/10-D12N-C | UWE-5/15-Q12N-C | 4:1 input | None | | None |
| ULE-5/10-D12NM | None | | None | | None |
| ULE-5/10-D12NM-C | None | | None | | None |
| ULE-5/10-D12P-C | UWE-5/15-Q12P-C | 4:1 input | None | | None |
| ULE-5/10-D12PM-C | None | | None | | None |
| ULE-5/12-D24PM | None | | None | | None |
| ULE-5/12-D24PM-C | None | | None | | None |
| ULE-5/12-D48NM-C | UEE-5/30-D48NM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULE-5/12-D48PM-C | UEE-5/30-D48PM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULQ-12/10-D48NM-C | UEE-12/12.5-D48NM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULQ-12/10-D48PM-C | UEE-12/12.5-D48PM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULQ-12/8-D24NM-C | None | | None | | None |
| ULQ-12/8-D24PM-C | None | | None | | None |
| ULQ-3.3/15-D48NM-C | UEE-3.3/15-D48NM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULQ-3.3/15-D48PM-C | UEE-3.3/15-D48PM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULQ-3.3/20-D24NM-C | None | | None | | None |
| ULQ-3.3/20-D24PM-C | None | | None | | None |
| ULQ-3.3/20-D48NM-C | UEE-3.3/25-D48NM-C | Straight SMT pins instead of gull wing. | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|--------------------|-----------------------|---|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| ULQ-3.3/20-D48PM-C | UEE-3.3/25-D48PM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULQ-31031 | None | | None | | None |
| ULQ-31031-C | None | | None | | None |
| ULQ-5/15-D24NB | UWE-5/15-Q12NB-C | 1/8 brick, 4:1 input | None | | None |
| ULQ-5/15-D24NM-C | None | | None | | None |
| ULQ-5/15-D24PB | UWE-5/15-Q12PB-C | 1/8 brick, 4:1 input | None | | None |
| ULQ-5/15-D24PM-C | None | | None | | None |
| ULQ-5/15-D48NM-C | UEE-5/30-D48NM-C | Straight SMT pins instead of gull wing. | None | | None |
| ULQ-5/15-D48PM-C | UEE-5/30-D48PM-C | Straight SMT pins instead of gull wing. | None | | None |
| UVQ-1.5/40-D24NB-C | None | | None | | None |
| UVQ-1.5/40-D24N-C | None | | None | | None |
| UVQ-1.5/40-D24PB-C | None | | None | | None |
| UVQ-1.5/40-D24P-C | None | | None | | None |
| UVQ-2.5/35-D24N | None | | None | | None |
| UVQ-2.5/35-D24NB-C | None | | None | | None |
| UVQ-2.5/35-D24N-C | None | | None | | None |
| UVQ-2.5/35-D24P | None | | None | | None |
| UVQ-2.5/35-D24PB | None | | None | | None |
| UVQ-2.5/35-D24PB-C | None | | None | | None |
| UVQ-2.5/35-D24P-C | None | | None | | None |
| UVQ-2.5/40-D48NB-C | None | | None | | None |
| UVQ-2.5/40-D48N-C | None | | None | | None |
| UVQ-2.5/40-D48PB | None | | None | | None |
| UVQ-2.5/40-D48PB-C | None | | None | | None |
| UVQ-2.5/40-D48P-C | None | | None | | None |
| UVQ-3.3/30-D24NB-C | None | | None | | None |
| UVQ-3.3/30-D24N-C | None | | None | | None |
| UVQ-3.3/30-D24PB-C | None | | None | | None |
| UVQ-3.3/30-D24P-C | None | | None | | None |
| UVQ-3.3/35-D48NB-C | UEE-3.3/45-D48NB-C | 1/8 brick package | None | | None |
| UVQ-3.3/35-D48N-C | UEE-3.3/45-D48N-C | 1/8 brick package | None | | None |
| UVQ-3.3/35-D48PB-C | UEE-3.3/45-D48PB-C | 1/8 brick | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|-------------------------|-----------------------|-------------------|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| | | package | | | |
| UVQ-3.3/35-D48P-C | UEE-3.3/45-D48P-C | 1/8 brick package | None | | None |
| UVQ-31076-C | None | | None | | None |
| UVQ-31108 | None | | None | | None |
| UVQ-31128-C | None | | None | | None |
| UVQ-31177-C | None | | None | | None |
| UVQ-31186-C | None | | None | | None |
| UWR-30548 | UWR-30548-C | | None | | None |
| UWR-30832 | UWR-30832-C | | None | | None |
| LSM2-T/6-D12-C | None | | None | | OKL2-T/6-W12 |
| LSM-T/16-W3-C | None | | None | | OKL-T/20-W5 |
| LSN-1.8/10-D3HJHL2-C | None | | None | | None |
| LSN-2.5/10-D12J-C | None | | None | | OKX-T/10-D12 |
| LSN-3.3/10-D12J-C | None | | None | | OKX-T/10-D12 |
| LSN-3.3/10-D5HJHL2-C-HW | None | | None | | None |
| LSN-3.3/10-D5HJHL2-Y | None | | None | | None |
| LSN-T/10-D12J-Y | None | | None | | OKX-T/10-D12 |
| LSN-T/16-W3HHL2-C-HW | None | | None | | None |
| LSN-T/16-W3HHL2-Y | None | | None | | None |
| OKX2-T/10-D12NJ-C | None | | None | | OKX2-T/10-D12N-C |
| OKX2-T/10-W5NJ-C | None | | None | | OKX2-T/10-W5N-C |
| OKX2-T/16-D12NJ-C | None | | None | | OKX2-T/16-D12N-C |
| OKX-T/10-D12NJ-C | None | | None | | OKX-T/10-D12N-C |
| OKX-T/10-W5NJ-C | None | | None | | OKX-T/10-W5N-C |
| OKX-T/16-D12NJ-C | None | | None | | OKX-T/16-D12N-C |
| OKX-T/16-D12PJ-C | None | | None | | OKX-T/16-D12P-C |
| OKX-T/16-W5NJ-C | None | | None | | OKX-T/16-W5N-C |
| VR110-31121C | None | | None | | None |
| VR110B080CA-1C | None | | None | | None |
| VR110B080CU-1C | None | | None | | None |
| VR110B150CL-1C | None | | None | | None |
| VR110B150CS-1C | None | | None | | None |
| VR110B150CU-1C | None | | None | | None |
| VR11C-31120C | None | | None | | None |

| EOL Product | Recommended Alternate | | Recommended Alternate | | Non-pin compatible alternate |
|----------------|-----------------------|---------|-----------------------|---------|------------------------------|
| | Product | Remarks | Product | Remarks | Product |
| VR11CB080CA-1C | None | | None | | None |
| VR11CB080CE-1C | None | | None | | None |
| VR11CB080CU-1C | None | | None | | None |
| VR11CB150CS-1C | None | | None | | None |
| VR11CB150CU-1C | None | | None | | None |
| VR11EB080CU-1C | None | | None | | None |
| CPCI200A-1C | None | | None | | None |