



October 27th, 2023

Notice of Change of Manufacturing Status

Lentronics Multiplexer Line Items

RECLASSIFICATION TO 'DERATED' STATUS

As new systems and technologies are phased into general use, there is a decreasing demand for older equipment and diminishing availability of their associated electronic components. New versions are developed with improved features and older equipment is reclassified to MD (Manufacturer Discontinued) status. Where possible, part substitutions are made to sustain products with equivalent fit, form and function. Where that is not possible, equipment affected by component obsolescence may be derated based on the 'strength' of the substituted part and reclassified to 'Derated'. Whenever possible, advance notification is provided to allow existing customers to continue to purchase for system additions and maintenance spares and plan for the transition to recommended substitutions.

For lifecycle planning purposes, additional details are available through product management (Lentronics@ge.com) that provides a view towards the ongoing availability of all SONET/SDH and T1/E1 Multiplexer offerings. GE will gladly make this available upon request.

AFFECTED EQUIPMENT:

The following items are being **reclassified to Derated against IEC 61850-3, effective immediately.**

GE has recently received notification from a supplier that D-Sub (DB-9) connectors used on TN1Ue / TTMX chassis's and paddleboards have been discontinued. These connectors are unlike others available in the market due to their ultra-high voltage (UHV) dielectric strength, providing 1500VDC of isolation. GE didn't receive any notification prior to the supplier announcing end-of-life (EOL), nor was GE offered an opportunity to perform a Last Time Buy (LTB). Due to the specialized material used within this UHV connector, no other suppliers offer an equivalent replacement. GE has no choice but to accept a high-voltage (HV) variant connector that offers 707VDC of dielectric strength.

Certification to IEC 61850-3 is impacted by this product change. Isolation to High Voltage transients remains assured however with reduced dielectric strength (707VDC, down from 1500VDC).

GE will continue to produce affected product using the derated D-Sub connector. Please note that part numbers and product marking will remain the same, that is, no change to ordering codes. A LV (lower voltage) designation will be applied to the part description.



GE Renewables

Critical Infrastructure Communications – Lentronics Multiplexers

Affected Part TN1Ue SDH & TTMX E1 Multiplexers	
Parts containing Ultra-High Voltage (1500VDC) D-Sub connectors	
COMMON EQUIPMENT	Affected Part Numbers
TN1Ue COMM EQUIPMENT SHELF (RoHS, LVDS)	B86430-41
TN1Ue EXPANSION SHELF	B86430-42
E1MXe MULTIPLEXER SHELF	B86430-43
TTMX MULTIPLEXER SHELF	B86430-44
<u>VDC POWER</u>	
POWER UNIT PB, GOST-R Compliant (Narrow)	86431-75
POWER UNIT PB, GOST-R Compliant (Wide)	86431-76
<u>ORDERWIRE / PARTYLINE</u>	
ORDERWIRE PADDLEBOARD	86471-71
4W VF PARTYLINE PADDLEBOARD	86474-71
VC LEVEL INTERFACE	
<u>DS0 and Sync E1 DACS</u>	
CDAX PADDLEBOARD, e/w 4 DB-9 Electrical Ports	86486-71
CDAX PADDLEBOARD, e/w 3 DB-9 Elect. Ports & Alms	86486-75
<u>VC DEMUX</u>	
CMUX UNIT PADDLEBOARD	86485-75
<u>E1 INTERFACE</u>	
E1 (120 ohm) PADDLEBOARD, DB37	86437-78
64K CHANNEL INTERFACE	
<u>4W VF</u>	
4W VF SINGLE CHANNEL PADDLEBOARD	86444-71
<u>2W VF</u>	
DUAL CHANNEL FXS Unit PADDLEBOARD	86445-75
QUAD CHANNEL FXO Unit PADDLEBOARD	86445-77
<u>DATA INTERFACE</u>	
UNIVERSAL DATA-LS PADDLEBOARD	86448-71
DATA-Nx64 (V.35) PADDLEBOARD	86464-71
64Kb/s G.703 PADDLEBOARD	86466-71
DATA-PTM (RJ-45) PADDLEBOARD	86465-72
DATA-PTM (DB9) PADDLEBOARD	86465-73
<u>DIGITAL INTERFACE</u>	
CONTACT I/O PADDLEBOARD	86463-71
PROTECTIVE RELAYING INTERFACES	
<u>DIRECT TRANSFER TRIP (DUPLEX)</u>	
DTT XMT PADDLEBOARD (48VDC)	86441-82
DTT XMT PADDLEBOARD (130VDC)	86441-84
DTT XMT PADDLEBOARD (220VDC)	86441-86
<u>CURRENT DIFF. RELAY</u>	
CDR (DL91F) PADDLEBOARD	86443-52
CDR (HCB + SM) PADDLEBOARD	86443-63
CDR (HCB - SM) PADDLEBOARD	86443-64
CDR (CPD,RADHL,SPD) PADDLEBOARD	86443-67



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As stated, GE will continue to produce affected product using the derated D-Sub connector. Please note that part numbers and product marking will remain the same, that is, no change to ordering codes. A LV (lower voltage) designation will be applied to the part description as detailed below.

Part description containing new High Voltage (707VDC) D-Sub connectors	
COMMON EQUIPMENT	Affected Part Numbers
TN1Ue COMM EQUIPMENT SHELF (RoHS, LVDS) (LV)	B86430-41
TN1Ue EXPANSION SHELF (LV)	B86430-42
E1MXe MULTIPLEXER SHELF (LV)	B86430-43
TTMX MULTIPLEXER SHELF (LV)	B86430-44
<u>VDC POWER</u>	
POWER UNIT PB, GOST-R Compliant (Narrow) (LV)	86431-75
POWER UNIT PB, GOST-R Compliant (Wide) (LV)	86431-76
<u>ORDERWIRE / PARTYLINE</u>	
ORDERWIRE PADDLEBOARD (LV)	86471-71
4W VF PARTYLINE PADDLEBOARD (LV)	86474-71
VC LEVEL INTERFACE	
<u>DS0 and Sync E1 DACS</u>	
CDAX PADDLEBOARD, e/w 4 DB-9 Electrical Ports (LV)	86486-71
CDAX PADDLEBOARD, e/w 3 DB-9 Elect. Ports & Alms (LV)	86486-75
<u>VC DEMUX</u>	
CMUX UNIT PADDLEBOARD (LV)	86485-75
<u>E1 INTERFACE</u>	
E1 (120 ohm) PADDLEBOARD, DB37 (LV)	86437-78
64K CHANNEL INTERFACE	
<u>4W VF</u>	
4W VF SINGLE CHANNEL PADDLEBOARD (LV)	86444-71
<u>2W VF</u>	
DUAL CHANNEL FXS Unit PADDLEBOARD (LV)	86445-75
QUAD CHANNEL FXO Unit PADDLEBOARD (LV)	86445-77
<u>DATA INTERFACE</u>	
UNIVERSAL DATA-LS PADDLEBOARD (LV)	86448-71
DATA-Nx64 (V.35) PADDLEBOARD (LV)	86464-71
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DATA-PTM (RJ-45) PADDLEBOARD (LV)	86465-72
DATA-PTM (DB9) PADDLEBOARD (LV)	86465-73
<u>DIGITAL INTERFACE</u>	
CONTACT I/O PADDLEBOARD (LV)	86463-71
PROTECTIVE RELAYING INTERFACES	
<u>DIRECT TRANSFER TRIP (DUPLEX)</u>	
DTT XMT PADDLEBOARD (48VDC) (LV)	86441-82
DTT XMT PADDLEBOARD (130VDC) (LV)	86441-84
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CDR (HCB + SM) PADDLEBOARD (LV)	86443-63
CDR (HCB - SM) PADDLEBOARD (LV)	86443-64
CDR (CPD,RADHL,SPD) PADDLEBOARD (LV)	86443-67



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ORDER SUBSTITUTION:

Original equipment will be shipped as ordered until remaining quantities are consumed. At that time, recommended substitutions (using derated 707VDC dielectric strength) will be provided as direct replacements.

SUPPORT OF INSTALLED CUSTOMER BASE:

Unit repair service will continue to be offered substituting UHV connectors with HV connectors (if applicable). Please continue to use the current Return Material Authorization procedure, whenever a unit repair is necessary.

If you have any questions about this notice or wish to place a last-time order for these affected items, please contact your Lentronics Multiplexer Regional Sales Manager for assistance, or Lentronics@ge.com.