

# NEC

# DSX

## Reseller Parts List *2013 Issue 2*



NEC Corporation of America | General Channel

4 Forest Parkway, Shelton, CT 06484

[www.necdsx.com](http://www.necdsx.com)

800-365-1928

[GeneralSales@necam.com](mailto:GeneralSales@necam.com)

**DSX 2013 Issue 2 Parts List Changes:**

- Deleted Cordless Lite II Telephone (730087) – *no longer available*
- Modifications to existing product descriptions

**AP20 / ML440 IP DECT**

The AP20 IP DECT Access Point and ML440 IP DECT Handsets provide a complete, in-building mobility solution that seamlessly integrates with the NEC DSX system. This exciting new product uniquely combines the benefits of IP telephony and Digitally Enhanced Cordless Telephone (DECT) technology to deliver true, onsite mobility to small-to-medium-sized businesses.

**HAI (Home Automation Integration) Compatibility**

DSX telephones can now control the features of HAI-compatible\* Home Automation Systems. From uniquely programmed feature keys, access the Home Automation System controls to dim or turn lights on and off, view and arm a security system, view gate lock status and open the gate, access and control an audio system, and manage the heating and air conditioning system.

\* HAI-compatible systems include Omni He, OmniPro II, Lumina, and Lumina Pro.

**DSX SIP Trunking**

Please visit the DSX Website to view the current list of compatible DSX SIP Trunking Service Providers. SIP Trunking requires DSX system software 3.33 or higher and the DSX VoIP Daughter Board (1091044).

***Be sure to visit the DSX Website: [www.necdsx.com](http://www.necdsx.com)***

This exciting Website, designed exclusively for the DSX, provides many valuable features:

**Sales & User Information -**

- Brochures, Product Presentation, Image Library
- DSX-80/160 Configuration Guidelines
- System Configurator  
***Please contact NEC Sales Support at 800-365-1928 for a 5-minute walk-through of the DSX Configurator.***
- NEC Financial Services/Leasing
- Parts List
- User Guides, Interactive User Tutorial

**Technical Information & Downloads -**

- Documentation (hardware/software/etc.), application solutions
- Free software downloads (system software, DESI labeling software)
- "Ask Another Dealer" forums
- Installation Animations

**Training -**

- On-Line Technical Training modules
- Calendar of live Webex events

***See the "Quick Reference Parts List" on the back page!***

<b>DSX-40 System Kits</b>	
<b>Part #</b>	<b>Description</b>
1091015	<b>DSX-40 System Kit (4 x 8 x 2) with (3) 22-Button Telephones / Black</b> Consists of: (1) 1090001 DSX-40 Key Service Unit (4 x 8 x 2) (3) 1090020 DSX 22-Button Display Telephones (Black)
1091026	<b>DSX-40 System Kit w/ 2-Pt IntraMail and (3) 34-Btn Tels / Black</b> Consists of: (1) 1090001 DSX-40 Key Service Unit (4 x 8 x 2) (1) 1091060 DSX 2-Port / 8-Hour IntraMail (3) 1090021 DSX 34-Button Backlit Display Telephone (Black)
1091027	<b>DSX-40 System Kit w/ 2-Pt IntraMail and (3) 34-Btn Tels / White</b> Consists of: (1) 1090001 DSX-40 Key Service Unit (4 x 8 x 2) (1) 1091060 DSX 2-Port / 8-Hour IntraMail (3) 1090026 DSX 34-Button Backlit Display Telephone (White)

<b>DSX-40 Key Service Unit</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
1090001	<b>DSX-40 Key Service Unit (4 x 8 x 2)</b> Contains: <ul style="list-style-type: none"> <li>▪ Central Processor &amp; Power Supply</li> <li>▪ (4) Central Office line ports</li> <li>▪ (8) DSX digital key telephone ports</li> <li>▪ (2) Conventional analog telephone ports</li> </ul> Also contains interface circuits for (2) Analog Door Chime Boxes (including associated relays). Maximum system capacities: <ul style="list-style-type: none"> <li>▪ (8) lines x (24) digital stations x (2) analog stations</li> <li>▪ (8) lines x (16) digital stations x (10) analog stations</li> <li>▪ (8) lines x (8) digital stations x (18) analog stations</li> </ul> Compatible with any DSX IntraMail (1091060, 1091011 & 1091013) and either DSX IntraMail Pro (1091051 & 1091053).	<b>DX7NA-40M</b>

<b>DSX-40 Expansion Equipment</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
1091001	<b>DSX-40 4-Port Loop-Start CO Line Card</b> Provides interface for (4) <i>additional</i> CO Lines. Maximum one per system.	<b>4COIU-S1</b>
1091002	<b>DSX-40 8-Port Digital Station Card</b> Provides interface for (8) <i>additional</i> DSX Digital Key Telephones. Maximum two per system ( <i>See note below</i> ).	<b>8ESIU-S1</b>
1091003	<b>DSX-40 8-Port Analog Station Card</b> Provides interface for (8) <i>additional</i> analog telephones. Maximum two per system ( <i>See note below</i> ).	<b>8SLIU-S1</b>
<p><b>NOTE:</b> A <u>combined</u> maximum of (2) additional Station Cards can be installed:</p> <ul style="list-style-type: none"> <li>▪ (2) Digital Station Cards (1091002) or</li> <li>▪ (2) Analog Station Cards (1091003) or</li> <li>▪ (1) Digital Station Card (1091002) &amp; (1) Analog Station Card (1091003)</li> </ul>		

<b>DSX-80 Common Equipment Kit</b>		
<b>Part #</b>	<b>Description</b>	
1091022	<b>DSX-80 Common Equipment Kit (8 x 16)</b> Consists of: <ul style="list-style-type: none"> <li>▪ (1) 1090002 DSX-80 4-Slot Common Equipment Cabinet</li> <li>▪ (1) 1091008 DSX-80/160 Power Supply</li> <li>▪ (1) 1090010 DSX-80/160 Central Processor Card</li> <li>▪ (1) 1091009 DSX-80/160 8-Port CO Line Card</li> <li>▪ (1) 1091004 DSX-80/160 16-Port Digital Station Card</li> </ul>	
<b>DSX-80 &amp; DSX-160 Common Equipment</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
1090002	<b>DSX-80 4-Slot Common Equipment Cabinet (KSU)</b> Contains (1) Power Supply slot, CPU card slot, and (4) universal card slots.	<b>80M</b>
1090003	<b>DSX-160 8-Slot Common Equipment Cabinet (KSU)</b> Contains (3) Power Supply slots, CPU card slot, & (8) universal card slots.	<b>160M</b>
1091008	<b>DSX-80/160 Power Supply</b> One required (maximum) per DSX-80 system. One to three required per DSX-160 system. Refer to the Load Factor Worksheet (page 11) for details.	<b>PSU</b>
1090010	<b>DSX-80/160 Central Processor Card</b> One required per system. Plugs into dedicated CPU card slot.	<b>NXCPU-A1</b>
<b>DSX-40/80/160 IntraMail &amp; IntraMail Pro</b>		
<b>Part #</b>	<b>Description</b>	
<b><i>IntraMail Hardware (CompactFlash)</i></b>		
1091060	<b>DSX IntraMail 2-Port/8-Hour Voice Mail – 128 Mailboxes</b>	
1091011	<b>DSX IntraMail 4-Port/8-Hour Voice Mail – 128 Mailboxes</b>	
1091013	<b>DSX IntraMail 8-Port/16-Hour Voice Mail – 128 Mailboxes</b>	
<b><i>IntraMail Pro Hardware (CompactFlash)</i></b>		
Same features as the standard IntraMail, but also provides: <i>Email notification of voice messages / Cascading Message Notification / Find Me Follow Me</i>		
1091051	<b>DSX IntraMail Pro 4-Port/16-Hour Voice Mail – 128 Mailboxes</b>	
1091053	<b>DSX IntraMail Pro 8-Port/32-Hour Voice Mail – 128 Mailboxes</b>	
Note: The IntraMail or IntraMail Pro is a CompactFlash that plugs into a dedicated slot in the DSX-40 KSU or the DSX-80/160 CPU Card.		
<b><i>IntraMail Upgrade &amp; Expansion Licenses (Requires DSX System Software 3.0 or higher)</i></b>		
- See "Licensing Notes" on page 3		
1091050	<b>DSX IntraMail to IntraMail Pro Feature Upgrade License</b> Adds "IntraMail Pro" features to an existing standard IntraMail: <ul style="list-style-type: none"> <li>▪ <i>Email notification of voice messages</i></li> <li>▪ <i>Cascading Message Notification</i></li> <li>▪ <i>Find Me Follow Me.</i></li> </ul> <i>Does not increase port size or storage capacity.</i>	
1091048	<b>DSX IntraMail/IntraMail Pro 2-Port Expansion License</b> Expand an existing IntraMail or IntraMail Pro – up to a max of (8) ports.	
1091049	<b>DSX IntraMail/IntraMail Pro 4-Port Expansion License</b> Expand an existing IntraMail or IntraMail Pro – up to a max of (8) ports.	

<b>DSX-80 &amp; DSX-160 Line Cards</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
1091009	<b>DSX-80/160 8-Port Loop-Start CO Line Card</b> <i>Plugs into universal card slot.</i>	<b>8COIU-B1</b>
1091005	<b>DSX-80/160 16-Port Loop-Start CO Line Card</b> <i>Plugs into universal card slot.</i>	<b>16COIU-B1</b>
1091006	<b>DSX-80/160 T1/PRI Card</b> <i>Plugs into universal card slot.</i>	<b>T1/PRIU-A1</b>

<b>DSX-80 &amp; DSX-160 Station Cards</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
1091004	<b>DSX-80/160 16-Port Digital Station Card</b> <i>Plugs into universal card slot.</i>	<b>16ESIU-A1</b>
1091010	<b>DSX-80/160 8-Port Analog Station Card</b> <i>Plugs into universal card slot</i>	<b>8SLIU-A1</b>
1091007	<b>DSX-80/160 16-Port Analog Station Card</b> <i>Plugs into universal card slot</i>	<b>16SLIU-A1</b>

<b>DSX-40/80/160 Miscellaneous Equipment</b>	
<b>Part #</b>	<b>Description</b>
808920	<b>Installation Cable</b> – 14Ft. Open Ended 25-pair with (6) 8-pin Plugs Provides connection to MDF for line and station ports.
1091014	<b>DSX SMDR Adapter</b> – DB9 Female to 6-conductor Modular Jack Also used to capture and output trouble-shooting data. Requires 6-conductor modular line cord, not included.

***DSX Licensing notes:***

Licenses can only be ordered if the DSX system software is Version 3 or higher.  
*To determine a system's software version, at any DSX phone, press Intercom and dial # \* # \* .  
 The software version will be shown in the top line of the telephone's display.*

In order to purchase a license for a system that has a system software level lower than Version 3, you must first upgrade the specific DSX system with Version 3 software.

Placing orders for DSX Licenses requires that you provide your NEC authorized distributor with a unique 13-character code, which is obtained from the working Version 3 DSX system. This code is unique to each DSX site and can easily be retrieved at any DSX telephone on the associated system or through the DSX Admin Program. NEC will then email the Reseller a new 13-character license code, which will enable the feature.

- To determine the code required to order a VoIP Expansion License (p/n 1091046) –
- The VoIP Daughter Board and system software Version 3 or higher must be installed.
  - At any idle DSX phone, press the **CHECK** and **CONF** keys.
  - The 13-character VoIP code will be visible in the telephone's display.

- To determine the code required to order an IntraMail Expansion License (p/n 1091048 or 1091049) or IntraMail Pro Upgrade License (p/n 1091050) –
- An IntraMail or IntraMail Pro CompactFlash and system software Version 3 or higher must be installed.
  - At any idle DSX phone, press the **CHECK** and **V-MAIL** keys.
  - The 13-character IntraMail code will be visible in the telephone's display.

For additional details on DSX licenses, please refer to the DSX Website ([www.necdsx.com](http://www.necdsx.com)).

<b>DSX VoIP Equipment &amp; Expansion License – For SIP Trunks and IP Telephones –</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
1091028	<p><b>DSX VoIP Starter Package</b> Consists of:</p> <ul style="list-style-type: none"> <li>(1) 1091044 DSX 4-Port VoIP Daughter Board</li> <li>(1) 1090034 DSX VoIP 34-Button Display Telephone / Black</li> <li>(1) 1091045 DSX IP Phone Adapter</li> </ul>	
1091044	<p><b>DSX VoIP Daughter Board with 4-Port License</b> Provides VoIP gateway ports for:</p> <ul style="list-style-type: none"> <li>▪ SIP Trunk</li> <li>▪ DSX VoIP telephone</li> <li>▪ Standard SIP telephone</li> <li>▪ Standard SIP softphone</li> <li>▪ Standard SIP ATA (Analog Terminal Adapter)</li> </ul> <p>Installs in DSX-40 KSU or on DSX-80/160 CPU. DSX System Software should be 3.33 or higher for all VoIP applications. Maximum (1) VoIP Daughter Board per system.</p> <p>In DSX-40, daughter board can be expanded with (1) 4-Port VoIP Expansion License (1091046), to a maximum of (8) VoIP gateway ports.</p> <p>In DSX-80/160, daughter board can be expanded with up to (3) 4-Port VoIP Expansion Licenses (1091046), to a maximum of (16) VoIP gateway ports.</p> <p>Maximum of (32) VoIP telephone extensions per DSX-40 or DSX-80/160 system, although IP extension access to voice mail, CO/SIP trunks, and analog/digital telephones is limited by available VoIP gateway ports.</p>	<b>VOIPDB-A1</b>
1091046	<p><b>DSX 4-Port VoIP Expansion License</b> (See Licensing Notes on page 3) Requires DSX VoIP Daughter Board (1091044). Maximum of (1) additional 4-Port License allowed per DSX-40 system. Maximum of (3) additional 4-Port Licenses allowed per DSX-80/160 system.</p>	

Refer to DSX technical documentation for additional details.

<b>DSX VoIP Station Equipment</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
1090034	<p><b>DSX VoIP 34-Button Full-Duplex Backlit Display Telephone / Black</b> (24) Programmable Feature Keys      Backlit 3-Line Display (10) Speed Dial Keys                      Backlit Dialpad (4) Soft Keys                                      Built-in wall-mounting hardware Requires VoIP Phone Adapter (1091045) or PoE (Power over Ethernet).</p>	<b>34BTIXH</b>
1091045	<p><b>DSX VoIP Phone Adapter</b> Consists of VoIP Adapter and AC Adapter (48VDC, 0.3A, center positive). VoIP Adapter provides (2) functions:</p> <ul style="list-style-type: none"> <li>▪ Input for AC Adapter (Model UV315-48)</li> <li>▪ Data jack for an associated PC.</li> </ul> <p>Required to provide power for (1) DSX VoIP Telephone, if not using PoE (Power Over Ethernet).</p>	<b>IPA-A1</b>

Refer to DSX technical documentation for additional details.

<b>DSX Digital Station Equipment</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
1090020	<b>DSX 22-Button Display Telephone / Black</b> (12) Programmable Feature Keys (10) Speed Dial Keys (4) Soft Keys 3-Line Display Half-duplex speakerphone Built-in wall-mounting hardware	<b>22BTXH(BK)</b>
1090021	<b>DSX 34-Button Backlit Display Telephone / Black</b> (24) Programmable Feature Keys (10) Speed Dial Keys (4) Soft Keys Backlit 3-Line Display Backlit Dialpad Half-duplex speakerphone Built-in wall-mounting hardware	<b>34BTXBH(BK)</b>
1090023	<b>DSX 34-Button Full-Duplex Backlit Super Display Tel / Black</b> (24) Programmable Feature Keys (10) Speed Dial Keys (12) Soft Keys Backlit 9-Line Display Backlit Dialpad Full-duplex speakerphone Built-in wall-mounting hardware	<b>34BTSXBF(BK)</b>
1090024	<b>DSX 60-Button DSS Console / Black</b> (60) buttons provide one-touch access to extensions, lines, and features. Additional (3) buttons for <i>Answer, Release, and Transfer</i> . Connects to (1) DSX digital station port. Maximum (4) per system. One telephone can have up to (4) DSS consoles.	<b>60BD DSS(BK)</b>
1090025	<b>DSX 22-Button Display Telephone / White</b> (12) Programmable Feature Keys (10) Speed Dial Keys (4) Soft Keys 3-Line Display Half-duplex speakerphone Built-in wall-mounting hardware	<b>22BTXH(WH)</b>
1090026	<b>DSX 34-Button Backlit Display Telephone / White</b> (24) Programmable Feature Keys (10) Speed Dial Keys (4) Soft Keys Backlit 3-Line Display Backlit Dialpad Half-duplex speakerphone Built-in wall-mounting hardware	<b>34BTXBH(WH)</b>
1090028	<b>DSX 34-Button Full-Duplex Backlit Super Display Tel / White</b> (24) Programmable Feature Keys (10) Speed Dial Keys (12) Soft Keys Backlit 9-Line Display Backlit Dialpad Full-duplex speakerphone Built-in wall-mounting hardware	<b>34BTSXBF(WH)</b>
1090029	<b>DSX 60-Button DSS Console / White</b> (60) buttons provide one-touch access to extensions, lines, and features. Additional (3) buttons for <i>Answer, Release, and Transfer</i> . Connects to (1) DSX digital station port. Maximum (4) per system. One telephone can have up to (4) DSS consoles.	<b>60BD DSS(WH)</b>

DSX Door Box Equipment		
Part #	Description	Model #
0891027	<p><b>Doorbox/Audio Interface Adapter</b>                      Provides (2) interface circuits and (2) relay contacts for:</p> <ul style="list-style-type: none"> <li>▪ Door Chime Boxes</li> <li>▪ Additional sources for Music-on-Hold &amp; Background Music</li> <li>▪ External paging zones</li> </ul> <p>Connects to one Digital Station Port.</p>	<b>2PGDAD</b>
922450	<p><b>Analog Door Chime Box</b>                      Connects to built-in Doorbox ports on DSX-40 or the 0891027 2PGDAD Adapter on DSX-40/80/160.                      Color: Dark Brown      Dimensions: 3¾" W x 5" H x 1" D</p>	
DSX Wireless Headset Adapter		
1091054	<p><b>Wireless Headset Adapter (WHA)</b>                      Provides a seamless interface for those Plantronics wireless headsets that currently support the Plantronics HL10 Handset Lifter.  <b><i>When using the WHA, the Plantronics Handset Lifter is <u>not</u> required!</i></b>                      The WHA requires system software level of 2.25 or higher.                      Compatible with:</p> <ul style="list-style-type: none"> <li>▪ DSX Digital 34-Button Telephone / series 2* (1090021/1090026)</li> <li>▪ DSX Digital <i>Full-Duplex</i> Super Disp. Telephone (1090023/1090028)</li> <li>▪ DSX IP 34-Button Telephone (1090034)</li> <li>▪ DSX IP Super Display Telephone (1090035)</li> </ul> <p>* To determine if a 34-Button Telephone is series 2, look at the 3rd digit of the MFG Code, on the bottom of the telephone, as well as on the outside of the carton. This digit will be "2" for Series 2 telephones.                      For additional details, please visit the DSX Website: <a href="http://www.necdsx.com">www.necdsx.com</a></p>	<b>WHA-A1</b>
DSX Cordless Telephone		
730095	<p><b>Cordless DECT Telephone / Black</b>                      Integrated to DSX system.                      Uses DECT 6.0 1.9GHz technology.                      Consists of:</p> <ul style="list-style-type: none"> <li>• Base Unit with Stand and AC Adapter</li> <li>• Handset with Ni-Mh Battery and Belt Clip</li> <li>• Charging Cradle with AC Adapter</li> <li>• Wall-Mounting Hardware.</li> </ul> <p>Handset is equipped with (8) Programmable Feature Keys for access to DSX features &amp; lines, speakerphone (hands-free), headset jack (2.5mm).                      Charger equipped with second slot for charging spare battery.                      Battery provides 16-hour talk time and 7-day standby.                      Used as stand-alone station or in conjunction with a DSX key telephone.  <i>If required, DTL-RPT-2 Repeaters can be added to extend the range.</i>                      Connects to (1) DSX digital station port.</p>	<b>DTL-8R-1</b>
730643	<p><b>Spare/Replacement Battery for Cordless DECT Tel</b>                      Nickel Metal Hydride / 2.4VDC 910mAh</p>	<b>BT-1009</b>
730649	<p><b>Cordless DECT Repeater</b>                      Extends the range of the 730095 Cordless DECT Telephone.                      Consists of Repeater, AC Adapter, and mounting hardware.                      Repeater must be placed within range of DECT base unit or other repeater.                      Maximum (6) repeaters per Cordless DECT Base Unit.                      - Maximum (3) in one direction &amp; (3) in the opposite direction.                      For additional details, please refer to the DSX Website: <a href="http://www.necdsx.com">www.necdsx.com</a>.                      Does <u>not</u> require a DSX station port.  <i>Although the previous repeater model (DTL-RPT-1) required a Repeater Programming Kit to "pair" a repeater to another repeater, that is <u>not</u> required for the DTL- RPT-2 model. <b>Replaces DTL-RPT-1 (730639).</b></i></p>	<b>DTL-RPT-2</b>



AP20 & ML440 IP DECT Equipment		
Part #	Description	Model #
730653	<p><b>AP20 / ML440 Kit</b>                      Consists of:</p> <ul style="list-style-type: none"> <li>▪ (1) AP20 IP DECT Access Point</li> <li>▪ (3) ML440 IP DECT Handsets</li> </ul>	Requires DSX Software Version 3.41 or higher.
730651	<p><b>AP20 IP DECT Access Point</b></p> <p>Omni-directional 1.9GHz access point for ML440 IP DECT Handsets. Connects to LAN via a Level 2 POE dataswitch port. Includes wall-mounting hardware. Can be ceiling-mounted with optional hardware (730658). Simultaneous conversations allowed per AP20:</p> <ul style="list-style-type: none"> <li>▪ (10) if only (1) AP20 is installed</li> <li>▪ (8) if multiple AP20's are installed</li> </ul> <p>Maximum of (20) AP20 Access Points allowed per system. Maximum of (30) ML440 Handsets can be registered to (1) AP20. Maximum of (32) ML440 Handsets allowed per system, but usage is limited by available DSX VoIP ports. System <b>MUST</b> be equipped with DSX VoIP Daughter Board (1091044) and appropriate number of IP ports.</p>	Requires DSX Software Version 3.41 or higher.
730650	<p><b>ML440 IP DECT Handset / Black</b></p> <p>Consists of:</p> <ul style="list-style-type: none"> <li>▪ ML440 IP DECT Handset</li> <li>▪ Battery Pack (see details below)</li> <li>▪ Belt Clip</li> <li>▪ Charger Unit with slot to charge spare battery</li> <li>▪ AC Adapter for Charger Unit</li> </ul> <p>Features:</p> <ul style="list-style-type: none"> <li>▪ Dialpad</li> <li>▪ Speakerphone</li> <li>▪ Illuminated Color LCD Display</li> <li>▪ Navigator Key</li> <li>▪ Volume Keys</li> <li>▪ Mute Key</li> <li>▪ (4) Fixed Feature Keys</li> <li>▪ (3) Soft Keys</li> <li>▪ (4) Programmable Function Keys</li> <li>▪ Headset Jack (2.4mm)</li> </ul> <p>Requires one or more AP20 IP DECT Access Points (730651). Maximum (32) ML440 Handsets allowed per system, but usage is limited by available DSX VoIP ports.</p>	<p>Requires DSX Software Version 3.41 or higher.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>IMPORTANT:</b>                      In order to be compatible with the DSX system, the AP20 Access Points and ML440 Handsets must have a "B" suffix in their lot numbers, which are printed on the product cartons.                      For example: Lot no. 115B</p> </div>
730658	<b>Ceiling-Mount for AP20 Access Point</b>	<b>AP20 Ceiling Mt</b>
730657	<p><b>Spare/Replacement Battery Pack</b>                      Lithium-Ion 3.7VDC 1100mAh</p>	<b>CE-MB206-5C-02</b>
730659	<p><b>Spare/Replacement Charger Unit for ML440 Handset</b>                      Includes slot to charge spare battery.                      Includes hardware for wall-mounting.</p>	
730660	<p><b>Spare/Replacement AC Adapter for ML440 Charger Unit</b>                      Switching power supply:                      Input: 100-240VAC 50/60Hz 250mA                      Output: 5.5VDC 600mA (Center positive plug)</p>	
730661	<b>Leather Case for ML440 Handset</b>	

<b>NEC Analog Station Equipment</b>	
<b>Part #</b>	<b>Description</b>
780020	<b>DTR-1-1 Single Line Telephone / Black</b> Features Include: Data Jack, Flash key, Redial key, MW LED, and Wall-Mount hardware. <i>No Speed Dial keys.</i>
780021	<b>DTR-1-1 Single Line Telephone / White</b> Features Include: Data Jack, Flash key, Redial key, MW LED, and Wall-Mount hardware. <i>No Speed Dial keys.</i>
780025	<b>DTR-1HM-1 Single Line Telephone / Black</b> Features Include: (8) Speed Dial keys, Data Jack, Flash key, Hold key, Redial key, Monitor/Speaker key, MW LED, and Wall-Mount hardware.
780026	<b>DTR-1HM-1 Single Line Telephone / White</b> Features Include: (8) Speed Dial keys, Data Jack, Flash key, Hold key, Redial key, Monitor/Speaker key, MW LED, and Wall-Mount hardware.

<b>DSX Demo Kit</b>	
<b>Part #</b>	<b>Description</b>
1091024	<b>DSX-40 Demo Kit</b> Includes: <ul style="list-style-type: none"> <li>▪ (1) 1090001 DSX-40 Key Service Unit (4x8x2)</li> <li>▪ (1) 1090020 DSX 22-Button Display Telephone (Black)</li> <li>▪ (1) 1090021 DSX 34-Button Display Telephone (Black)</li> <li>▪ (1) 1090026 DSX 34-Button Display Telephone (White)</li> <li>▪ (1) 1091011 DSX IntraMail 4-Port 8-Hour Voice Mail</li> <li>▪ (1) 80890 Adaptor Box – (2)RJ61X to (8)RJ11C</li> <li>▪ (2) 80891 8-Conductor Cords for 80890 Adaptor Box</li> <li>▪ (1) 0893500 NEC Soft Sided Demo Case with Wheels</li> <li>▪ (1) 1093061 DSX Demo Kit Quick Start Guide</li> <li>▪ (1) 1093087 DSX System Document CD</li> </ul>

<b>DSX DESI Labels for DSX Digital Telephones &amp; DSS</b>			
<b>Part #</b>	<b>Description</b>		
1093085	DESI Labels – DSX 22B	<i>(For Black Tels)</i>	Pkg/20
1093083	DESI Labels – DSX 34B	<i>(For Black Tels)</i>	Pkg/20
1093081	DESI Labels – DSX Super Display	<i>(For Black Tels)</i>	Pkg/20
1093079	DESI Labels – DSX 60B DSS	<i>(For Black DSS)</i>	Pkg/20
1093086	DESI Labels – DSX 22B	<i>(For White Tels)</i>	Pkg/20
1093084	DESI Labels – DSX 34B	<i>(For White Tels)</i>	Pkg/20
1093082	DESI Labels – DSX Super Display	<i>(For White Tels)</i>	Pkg/20
1093080	DESI Labels – DSX 60B DSS	<i>(For White DSS)</i>	Pkg/20
1093072	DESI Labels – DSX 22B	<i>Blank</i>	Pkg/25
1093071	DESI Labels – DSX 34B	<i>Blank</i>	Pkg/25
1093070	DESI Labels – DSX Super Display	<i>Blank</i>	Pkg/25
1093069	DESI Labels – DSX 60B DSS	<i>Blank</i>	Pkg/25

*“DESI Plus” labeling software is provided on the DSX System Document CD, which is included with each telephone system, or you can download “DESI Lite” software from our Website: <http://www.necdsx.com> The “Blank” labels are plain white and allow pre-printing of photos, logos, and other images. The dial, feature, and volume keys are not identified on the blank labels.*

<b>Replacement Components for DSX Digital Telephones &amp; DSS</b>			
<b>Part #</b>	<b>Description</b>		
1091016	DSX Handset & Cord Assembly	Black	
1091038	DSX Handset & Cord Assembly	White	
1091031	DSX Handset Cord – 9Ft.	Black	Pkg/5
1091032	DSX Handset Cord – 13Ft.	Black	Pkg/5
1091033	DSX Handset Cord – 25Ft.	Black	Pkg/5
1091041	DSX Handset Cord – 9Ft.	White	Pkg/5
1091042	DSX Handset Cord – 13Ft.	White	Pkg/5
1091043	DSX Handset Cord – 25Ft.	White	Pkg/5
1091018	Clear Plastic Panel for DSX 22-Button Tel		Pkg/5
1091019	Clear Plastic Panel for DSX 34-Button Tel		Pkg/5
1091020	Clear Plastic Panel for DSX Super Display Tel		Pkg/5
1091021	Clear Plastic Panel for DSX 60-Button DSS		Pkg/5
1091034	DSX Wall Mount Handset Holder (Black)		Pkg/10
1091035	DSX Wall Mount Handset Holder (White)		Pkg/10
1093102	Replacement Footpads for DSX Telephones		Pkg/36

<b>Replacement Items for DSX Cordless DECT Telephone (730095)</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
730643	Spare/Replacement Battery Nickel Metal Hydride / 2.4VDC 910mAh	BT-1009
730641	Replacement Charger	EXP10000
730662	Replacement AC Adapter for Base Unit 10VDC 500mA	PS-0001
730644	Replacement AC Adapter for Charger Unit 9VDC 350mA	PS-0005
730642	Spare/Replacement Belt Clip	UP680F

<b>Replacement Items for DSX Cordless Lite II Telephone (730087)</b>		
<b>Part #</b>	<b>Description</b>	<b>Model #</b>
730631	Replacement Battery (Ni-MH, DC 3.6V 750 mAh)	BT-930
730634	Replacement Belt Clip	EXP9302
730632	Replacement Charger Unit (w/o AC Adapter)	EXP9385
730662	Replacement AC Adapter for Base Unit 10VDC 500mA	PS-0001
730644	Replacement AC Adapter for Charger Unit 9VDC 350mA	PS-0005

<b>Replacement/Add-On Items for Conference Max Speakerphones</b>	
<b>Part #</b>	<b>Description</b>
750152	<i>Replacement</i> 120VAC/12VDC Power Supply Charger For Conference Max Plus Pod Charger.
750153	<i>Replacement/Spare</i> Battery Pack For Conference Max Plus Pod.

<b>DSX DESI Labels for NEC Analog Telephones</b>			
<b>Part #</b>	<b>Description</b>		
780402	DESI Labels for DTR-1-1 (780020/780021) –	Metallic Silver	Pkg/25
780404	DESI Labels for DTR-1HM-1 (780025/780026) –	Black	Pkg/25
780406	DESI Labels for DTR-1HM-1 (780025/780026) –	Metallic Silver	Pkg/25

*“DESI Plus” labeling software is provided on the DSX System Document CD, which is included with each telephone system, or you can download “DESI Lite” software from our Website: <http://www.necdsx.com>*

**DSX-80 and DSX-160 Load Factor Worksheet**

Each DSX Power Supply provides two outputs: 5VDC and 40VDC. The quantity of required power supplies depends on the system's card configuration. In the tables below, enter the appropriate cards and their load factors. The load factor totals will determine how many power supplies are required.

**DSX-80 Cabinet (1091002)**

**Maximum (1) Power Supply Card**

Maximum Load Factors provided:                      5VDC = 40                      40VDC = 48

	CARD	5VDC	40VDC
CPU	Central Processor Card	12	0
Slot 1	DSX Digital Station Card *	8	20
Slot 2			
Slot 3			
Slot 4			
Totals			

*Important: If the maximum DSX-80 load factor totals are exceeded, the DSX-160 system must be used.*

**DSX-160 Cabinet (1091003)**

**Maximum (3) Power Supply Cards**

Maximum Load Factors provided:  
 With (1) Power Supply Card:                      5VDC = 40                      40VDC = 48  
 With (2) Power Supply Cards:                      5VDC = 80                      40VDC = 80  
 With (3) Power Supply Cards:                      5VDC = 120                      40VDC = 120

	CARD	5VDC	40VDC
CPU	Central Processor Card	12	0
Slot 1	DSX Digital Station Card *	8	20
Slot 2			
Slot 3			
Slot 4			
Slot 5			
Slot 6			
Slot 7			
Slot 8			
Totals			

Power Supplies Required (1091008): \_\_\_\_\_

Load Factors of Cards  (Refer to the DSX-80/160 Hardware Manual for more details)	Part #	Description	Load Factor	
			5VDC	40VDC
	1090010	Central Processor Card	12	0
	1091004	16-Pt Digital Station Card	8	20
	1091010	8-Pt Analog Station Card	5	8
	1091007	16-Pt Analog Station Card	10	16
	1091009	8-Pt Analog CO Line Card	3	0
	1091005	16-Pt Analog CO Line Card	6	0
	1091006	T1/PRI Digital Line Card	8	0
	109xxxx	DSX IntraMail (Any version)	0	0
	1091044	VoIP Daughter Board	0	0

*Note: If DS2000 cards are being installed in a DSX, refer to the technical document: "Upgrading DS2000 to DSX-80/160" for load factor specifications.*

*\* A DSX Digital Station Card should be installed in the first card slot!*

<b>DSX-40 KSU and System Kits</b>	
1091015	DSX-40 System Kit (4 x 8 x 2) & (3) 22B Telephones (Black)
1091026	DSX-40 System/IntraMail Kit & (3) 34B Telephones (Black)
1091027	DSX-40 System/IntraMail Kit & (3) 34B Telephones (White)
1090001	DSX-40 Key Service Unit
<b>DSX-40 Expansion Cards</b>	
1091001	4-Port CO Line Card
1091002	8-Port Digital Station Card
1091003	8-Port Analog Station Card
<b>DSX-80 Common Equipment</b>	
1091022	DSX-80 Common Equip Kit
1090002	DSX-80 4-Slot KSU
1090003	DSX-160 8-Slot KSU
1091008	DSX-80/160 Power Supply
1090010	DSX-80/160 CPU Card
<b>DSX IntraMail (Standard)</b>	
1091060	DSX IntraMail 2-Port/8-Hour
1091011	DSX IntraMail 4-Port/8-Hour
1091013	DSX IntraMail 8-Port/16-Hour
<b>DSX IntraMail Pro</b>	
1091051	DSX IntraMail Pro 4-Pt/16-Hr
1091053	DSX IntraMail Pro 8-Pt/32-Hr
<b>DSX IntraMail Licenses</b>	
1091050	Upgrade to IntraMail Pro License
1091048	2-Port Expansion License
1091049	4-Port Expansion License
<b>DSX-80/160 CO Line Cards</b>	
1091009	8-Port CO Line Card
1091005	16-Port CO Line Card
1091006	T1/PRI Card
<b>DSX Station Cards</b>	
1091004	16-Port Digital Station Card
1091010	8-Port Analog Station Card
1091007	16-Port Analog Station Card
<b>DSX VoIP Equipment</b>	
1091028	VoIP Starter Package (1) 1091044 VoIP DB (1) 1090034 VoIP 34-B Tel (1) 1091045 IP Phone Adapter
1091044	VoIP Daughter Board
1091046	VoIP 4-Port Expansion License
<b>DSX Miscellaneous Equipment</b>	
808920	25-Pair Installation Cable
1091014	DSX SMDR Adapter

<b>DSX VoIP Telephones</b>	
1090034	VoIP 34-Button Disp. Tel / Black
1091045	VoIP Phone Adapter
<b>DSX Multibutton Telephones – Black</b>	
1090020	22-B Display Telephone / Black
1090021	34-B Backlit Display Tel / Black
1090023	Super Display FD Tel / Black
<b>DSX Multibutton Telephones – White</b>	
1090025	22-B Display Telephone / White
1090026	34-B Backlit Display Tel / White
1090028	Super Display FD Tel / White
<b>DSX DSS Consoles</b>	
1090024	60-Button DSS Console / Black
1090029	60-Button DSS Console / White
<b>DSX Cordless Telephones</b>	
730095	Cordless DECT Telephone / Bk
730643	Cordless DECT Battery
730649	Cordless DECT Repeater (RPT-2)
<b>AP20 / ML440 IP DECT Equipment</b>	
730653	AP20/ML440 Kit (1) AP20 & (3) ML440
730651	AP IP DECT Access Point
730650	ML440 IP DECT Handset / Black
<b>Doorbox Equipment</b>	
0891027	2PGDAD Doorbox Adapter
922450	Analog Door Chime Box
<b>Wireless Headset Adapter</b>	
1091054	Wireless Headset Adapter (WHA)
<b>Analog Single Line Telephones</b>	
780020	DTR-1-1 SLT/Black
780021	DTR-1-1 SLT/White
780025	DTR-1HM-1 SLT/Black
780026	DTR-1HM-1 SLT/White
<b>Designation Labels for DSX Telephones</b>	
1093085	For Black 22-Btn Tels Pkg/20
1093083	For Black 34-Btn Tels Pkg/20
1093081	For Black S-Disp Tels Pkg/20
1093079	For Black 60-Btn DSS Pkg/20
1093086	For White 22-Btn Tels Pkg/20
1093084	For White 34-Btn Tels Pkg/20
1093082	For White S-Disp Tels Pkg/20
1093080	For White 60-Btn DSS Pkg/20
1093072	Blank – for 22-Btn Tels Pkg/25
1093071	Blank – for 34-Btn Tels Pkg/25
1093070	Blank – for S-Disp Tels Pkg/25
1093069	Blank – for 60-Btn DSS Pkg/25