



## Macrolink Product List

# Compact PCI Communication Products

Revised 07 December, 2006  
U.S. Domestic Price List\*

### MCCS Compact Sierra Asynchronous Communications Controller Compact PCI Bus (cPCbus) Serial Communications Controller with baud rates to 1.5 Mbps

Product Number	Description	List Price
<b>Standard 16 Port Configurations</b>		
230001-50	<b>MCCS</b> with 16 ports of RS-232	Contact Factory
230001-52	<b>MCCS</b> with 16 ports of RS-422	Contact Factory
230001-54	<b>MCCS</b> with 16 ports of RS-485	Contact Factory
230001-56	<b>MCCS</b> with 16 ports of TTL	Contact Factory
<b>Standard 8 Port Configurations</b>		
230001-51	<b>MCCS</b> with 8 ports of RS-232	Contact Factory
230001-53	<b>MCCS</b> with 8 ports of RS-422	Contact Factory
230001-55	<b>MCCS</b> with 8 ports of RS-485	Contact Factory
230001-57	<b>MCCS</b> with 8 ports of TTL	Contact Factory
<b>Custom Configuration Options</b>		
230001-00	<b>MCCS</b> without port modules, holds up to 4 port modules	Contact Factory
221044-02	RS-232 4 port serial line conditioning module	Contact Factory
221045-01	RS-422 4 port serial line conditioning module	Contact Factory
221036-02	RS-485 4 port serial line conditioning module	Contact Factory
221046-01	TTL 4 port serial line conditioning module	Contact Factory

## Software

All driver kits include a binary copy of the device driver software and right to use license to control a single Macrolink board in a single operating system environment. Additional configuration, test and example code is supplied in source format written in C. Additional run-time licenses include the right to license, and infer the right to reproduce software supplied in the initial driver kit for use with one additional Macrolink board. For quantity discounts on additional run-time licenses, contact the factory. The -XX suffix indicates the format and media of the supplied software. Please specify when ordering. For details on available formats and media, please contact the factory. Driver kits are warranted for 90 days with support via our BBS and Internet e-mail. Annual driver maintenance provides 12 months of phone support and applicable driver update releases for one OS type.

455206-XX	<b>VxWorks</b> Driver Kit.	Contact Factory
456010-01	Additional VxWorks Driver Run-Time License	Contact Factory
900026-01	<b>VxWorks</b> Driver Annual maintenance	Contact Factory
455209-XX	<b>Solaris 2.x</b> Driver Kit	Contact Factory
456010-02	Additional Solaris 2.x Driver Run-Time License	Contact Factory
900026-00	<b>Solaris 2.x</b> Driver Annual maintenance	Contact Factory

## Accessories

### I/O Transition Panels and Cables

230002-00	Rear cPCI Transition Panel: 8 ports of RJ-45 (ports 0-7 and 8 ports of HDD-80 (ports 8-15)	Contact Factory
320275-00	<b>6' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-02	<b>9' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-03	<b>12' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-00	<b>3' un-shielded ribbon cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-01	<b>6' un-shielded ribbon cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory

### Manual

343000-00	<b>MCCS</b> Sierra Installation, Programming and User's Manual	Contact Factory
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## MCCR Compact Romeo Asynchronous Communications Controller

Compact PCI Bus (cPCbus) Serial Communications Controller with baud rates to 12.5 Mbps

Product Number	Description	List Price
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### Standard 16 Port Configurations

230004-52	<b>MCCR</b> with 16 ports of RS-232, front panel I/O via 16 RJ-45 connectors, (occupies 2 cPCI card slots).	Contact Factory
230004-53	<b>MCCR</b> as above with RS-422,	Contact Factory
230004-62	<b>MCCR</b> with 16 ports of RS-232, rear panel I/O. Requires an I/O transition Panel	Contact Factory
230004-63	<b>MCCR</b> as above with RS-422	Contact Factory
230004-72	<b>MCCR</b> with RS-232. Provides 8 serial ports via RJ45 connectors on the front panel and requires an I/O Transition Panel for the remaining 8 ports.	Contact Factory
230004-73	<b>MCCR</b> as above with RS-422	Contact Factory
<b>Custom Configuration Options</b>		
230004-51	<b>MCCR</b> with front panel I/O via 16 RJ45 connectors, (occupies 2 cPCI card slots). Requires any four 4-port serial line conditioning modules.	Contact Factory
230004-61	<b>MCCR</b> with rear panel I/O. Requires any four 4-port serial line conditioning modules and an I/O Transition module	Contact Factory
230004-71	<b>MCCR</b> with combination front and rear panel I/O. Requires and four 4-port serial line conditioning modules. Provides eight serial ports via RJ45 connectors on the front panel, and requires an I/O Transition Panel for the remaining eight ports.	Contact Factory
221044-02	RS-232 4 port serial line conditioning module	Contact Factory
221045-01	RS-422 4 port serial line conditioning module	Contact Factory
221036-02	RS-485 4 port serial line conditioning module	Contact Factory
221046-01	TTL 4 port serial line conditioning module	Contact Factory
<b>Software</b>		
<p>All driver kits include a binary copy of the device driver software and right to use license to control a single Macrolink board in a single operating system environment. Additional configuration, test and example code is supplied in source format written in C. Additional run-time licenses include the right to license, and infer the right to reproduce software supplied in the initial driver kit for use with one additional Macrolink board. For quantity discounts on additional run-time licenses, contact the factory. The -XX suffix indicates the format and media of the supplied software. Please specify when ordering. For details on available formats and media, please contact the factory. Driver kits are warranted for 90 days with support via our BBS and Internet e-mail. Annual driver maintenance provides 12 months of phone support and applicable driver update releases for one OS type.</p>		
455211-XX	<b>WindowsNT</b> Driver Kit	Contact Factory
456011-07	Additional <b>WindowsNT</b> Driver Run-Time License	Contact Factory
900025-00	<b>WindowsNT</b> Driver Annual maintenance	Contact Factory
455210-XX	<b>Solaris</b> 2.x Driver Kit	Contact Factory
456004-01	Additional <b>Solaris</b> 2.x Driver Run-Time Licnese	Contact Factory
900025-01	<b>Solaris</b> 2.x Driver Annual maintenance	Contact Factory
455212-XX	VxWorks 5.x Driver Kit	Contact Factory

4560XX-XX	Additional VxWorks 5.x Driver Run-Time License	Contact Factory
900025-02	VxWorks 5.x Driver Annual maintenance	Contact Factory
<b>Accessories</b>		
<b>I/O Transition Panels and Cables</b>		
230002-00	Rear cPCI Transition Panel: 8 ports of RJ-45 (ports 0-7 and 8 ports of HDD-80 (ports 8-15)	Contact Factory
320275-00	<b>6' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-02	<b>9' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-03	<b>12' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-00	<b>3' un-shielded ribbon cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-01	<b>6' un-shielded ribbon cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
<b>Manual</b>		
343004-00	<b>MCCR</b> Sierra Installation, Programming and User's Manual	Contact Factory

## VME Communication Products

### MVCS Sierra Asynchronous Communications Controller

Asynchronous 6U VMEbus Serial Communications Controller with data rates up to 1.5 Mbps.

Product Number	Description	List Price
<b>Standard 16 Port Configurations</b>		
221048-53	<a href="#">MVCS</a> with 16 ports of RS-232	Contact Factory
221048-55	<a href="#">MVCS</a> with 16 ports of RS-422	Contact Factory
<b>Standard 8 Port Configurations</b>		
221048-52	<a href="#">MVCS</a> with 8 ports of RS-232	Contact Factory
221048-54	<a href="#">MVCS</a> with 8 ports of RS-422	Contact Factory
<b>Custom Configuration Options</b>		
221048-51	<a href="#">MVCS</a> baseboard for 16 ports with front panel I/O: requires any four serial line conditioning modules	Contact Factory
221048-50	<a href="#">MVCS</a> baseboard for 8 ports with front panel I/O: requires any two serial line conditioning modules	Contact Factory

221048-61	<b>MVCS</b> baseboard for 16 ports with P2 I/O: requires any four serial line conditioning modules and P2 I/O Adapter.	Contact Factory
221048-60	<b>MVCS</b> baseboard for 8 ports with P2 I/O: requires any two serial line conditioning modules and P2 I/O Adapter.	Contact Factory
221044-02	<b>RS-232</b> 4-port serial line conditioning module	Contact Factory
221045-01	<b>RS-422</b> 4-port serial line conditioning module	Contact Factory
221036-02	<b>RS-485</b> 4-port serial line conditioning module	Contact Factory
221046-01	<b>TTL</b> 4-port serial line conditioning module	Contact Factory
221039-00	<b>MIL-STD-188C</b> 4-port serial line conditioning module	Contact Factory

### Software

All driver kits include a binary copy of the device driver software and right to use license to control a single Macrolink board in a single operating system environment. Additional configuration, test and example code is supplied in source format written in C. Additional run-time licenses include the right to license, and infer the right to reproduce software supplied in the initial driver kit for use with one additional Macrolink board. For quantity discounts on additional run-time licenses, contact the factory. The -XX suffix indicates the format and media of the supplied software. Please specify when ordering. For details on available formats and media, please contact the factory. Driver kits are warranted for 90 days with support via our BBS and Internet e-mail. Annual driver maintenance provides 12 months of phone support and applicable driver update releases for one OS type.

455029-XX	<b>VxWorks</b> Driver Kit.	Contact Factory
456001-01	Additional VxWorks Driver Run-Time License	Contact Factory
900023-02	<b>VxWorks</b> Driver Annual maintenance	Contact Factory
455203-XX	<b>Solaris 2.x</b> Driver Kit	Contact Factory
456001-02	Additional Solaris 2.x Driver Run-Time License	Contact Factory
900023-03	<b>Solaris 2.x</b> Driver Annual maintenance	Contact Factory
455030-XX	<b>HP-UX v10.x</b> Driver Kit	Contact Factory
456001-03	Additional HP-UX v10.x Driver Run-Time License	Contact Factory
900023-04	<b>HP-UX v10.x</b> Driver Annual maintenance	Contact Factory

### Accessories

#### I/O Transition Panels

330058-50	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330058-51	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-422/RS-485; two required for 16 ports.	Contact Factory
330058-52	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 4 ports of RS-232/MIL-STD-188C & 4 ports of RS-422/ RS-485; two required for 16 ports.	Contact Factory

330058-53	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 4 ports of RS-422/RS-485 & 4 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330056-50	<b>RJ-45</b> 16-line I/O Transition panel; 6U x triple-width (12HP).	Contact Factory
<b>Cables &amp; P2 Adapters</b>		
320275-00	<b>6' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-02	<b>9' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-03	<b>12' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-00	<b>3' un-shielded ribbon cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-01	<b>6' un-shielded ribbon cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
221049-00	<b>P2 cable adapter module</b> with two 100 pin HD straight serial connectors; requires 2 serial line conditioning modules for 8 ports/4 for 16 ports.	Contact Factory
221049-01	<b>P2 cable adapter module</b> with two 100 pin HD right-angle serial connectors; requires 2 serial line conditioning modules for 8 ports/4 for 16 ports.	Contact Factory
320358-00	<b>Local Loop-back connector</b> ; 100-pin, cross couples 8 RS-232/TTL/MIL-STD-188 ports for testing.	Contact Factory
320358-01	<b>Local Loop-back connector</b> ; 100-pin, cross couples 8 RS-422/485 ports for testing.	Contact Factory
<b>Manuals</b>		
341048-00	MVCS Sierra Installation, Programming and User's Manual	Contact Factory
<p><b>MVCS High Sierra Asynchronous Communications Controller</b>  Asynchronous 6U VMEbus Serial Communications Controller with data rates up to 1.5 Mbps and extended "buffering" FIFO support.</p>		
<b>Product Number</b>	<b>Description</b>	<b>List Price</b>
<b>Standard 16 Port Configurations</b>		
221047-53	<a href="#">MVCS</a> with 16 ports of RS-232 & extended FIFO	Contact Factory
221047-55	<a href="#">MVCS</a> with 16 ports of RS-422 & extended FIFO	Contact Factory
<b>Standard 8 Port Configurations</b>		
221047-52	<a href="#">MVCS</a> with 8 ports of RS-232 & extended FIFO	Contact Factory
221047-54	<a href="#">MVCS</a> with 8 ports of RS-422 & extended FIFO	Contact Factory
<b>Custom Configuration Options</b>		

221047-51	<b>MVCS</b> baseboard for 16 ports w/extended FIFO: requires any four serial line conditioning modules	Contact Factory
221047-50	<b>MVCS</b> baseboard for 8 ports w/extended FIFO: requires any two serial line conditioning modules	Contact Factory
221047-61	<b>MVCS</b> baseboard for 16 ports w/extended FIFO & P2 I/O: requires any four serial line conditioning modules and P2 I/O Adapter.	Contact Factory
221047-60	<b>MVCS</b> baseboard for 8 ports w/extended FIFO & P2 I/O: requires any two serial line conditioning modules and P2 I/O Adapter.	Contact Factory
221044-02	<b>RS-232</b> 4-port serial line conditioning module	Contact Factory
221045-01	<b>RS-422</b> 4-port serial line conditioning module	Contact Factory
221036-02	<b>RS-485</b> 4-port serial line conditioning module	Contact Factory
221046-01	<b>TTL</b> 4-port serial line conditioning module	Contact Factory
221039-00	<b>MIL-STD-188C</b> 4-port serial line conditioning module	Contact Factory
<b>Software</b>		
<p>All driver kits include a binary copy of the device driver software and right to use license to control a single Macrolink board in a single operating system environment. Additional configuration, test and example code is supplied in source format written in C. Additional run-time licenses include the right to license, and infer the right to reproduce software supplied in the initial driver kit for use with one additional Macrolink board. For quantity discounts on additional run-time licenses, contact the factory. The -XX suffix indicates the format and media of the supplied software. Please specify when ordering. For details on available formats and media, please contact the factory. Driver kits are warranted for 90 days with support via our BBS and Internet e-mail. Annual driver maintenance provides 12 months of phone support and applicable driver update releases for one OS type.</p>		
455029-XX	<b>VxWorks</b> Driver Kit.	Contact Factory
456001-01	Additional VxWorks Driver Run-Time License	Contact Factory
900023-02	<b>VxWorks</b> Driver Annual maintenance	Contact Factory
455203-XX	<b>Solaris 2.x</b> Driver Kit	Contact Factory
456001-02	Additional Solaris 2.x Driver Run-Time License	Contact Factory
900023-03	<b>Solaris 2.x</b> Driver Annual maintenance	Contact Factory
455030-XX	<b>HP-UX v10.x</b> Driver Kit	Contact Factory
456001-03	Additional HP-UX v10.x Driver Run-Time License	Contact Factory
900023-04	<b>HP-UX v10.x</b> Driver Annual maintenance	Contact Factory
<b>Accessories</b>		
<b>I/O Transition Panels</b>		
330058-50	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330058-51	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-422/RS-485; two required for 16 ports.	Contact Factory

330058-52	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 4 ports of RS-232/MIL-STD-188C & 4 ports of RS-422/ RS-485; two required for 16 ports.	Contact Factory
330058-53	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 4 ports of RS-422/RS-485 & 4 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330056-50	<b>RJ-45</b> 16-line I/O Transition panel; 6U x triple-width (12HP).	Contact Factory
<b>Cables &amp; P2 Adapters</b>		
320275-00	<b>6' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-02	<b>9' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-03	<b>12' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-00	<b>3' un-shielded ribbon cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-01	<b>6' un-shielded ribbon cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
221049-00	<b>P2 cable adapter module</b> with two 100 pin HD straight serial connectors; requires 2 serial line conditioning modules for 8 ports/4 for 16 ports.	Contact Factory
221049-01	<b>P2 cable adapter module</b> with two 100 pin HD right-angle serial connectors; requires 2 serial line conditioning modules for 8 ports/4 for 16 ports.	Contact Factory
320358-00	<b>Local Loop-back connector</b> ; 100-pin, cross couples 8 RS-232/TTL/MIL-STD-188 ports for testing.	Contact Factory
320358-01	<b>Local Loop-back connector</b> ; 100-pin, cross couples 8 RS-422/485 ports for testing.	Contact Factory
<b>Manuals</b>		
341048-00	MVCS Sierra Installation, Programming and User's Manual	Contact Factory
<b>MVC Asynchronous Communications Controller</b> Asynchronous 6U VMEbus Serial Communications Controller with data rates from 50-38.4Kbps.		
<b>Product Number</b>	<b>Description</b>	<b>List Price</b>
<b>Standard 16 Port Configurations</b>		
221200-50	<b>MVC/16</b> with 16 ports of RS-232 & 128KB SRAM	Contact Factory
221200-52	<b>MVC/16</b> with 16 ports of RS-422 & 128KB SRAM	Contact Factory
221200-54	<b>MVC/16</b> with 8 ports (0-7) of RS-232, 8 ports (8-15) of RS-422 & 128KB SRAM	Contact Factory



<b>Standard 8 Port Configurations</b>		
221200-51	<b>MVC/08</b> with 8 ports of RS-232 & 128KB SRAM	Contact Factory
221200-53	<b>MVC/08</b> with 8 ports of RS-422 & 128KB SRAM	Contact Factory
221200-55	<b>MVC/08</b> with 4 ports (0-3) of RS-232, 4 ports (4-7) of RS-422 & 128KB SRAM	Contact Factory
<b>Custom Configuration Options</b>		
221200-56	<b>MVC baseboard for 16 ports</b> ; requires any four serial line conditioning modules and one memory kit.	Contact Factory
221200-57	<b>MVC baseboard for 8 ports</b> ; requires any two serial line conditioning modules and one memory kit.	Contact Factory
202060-00	<b>RS-232</b> 4-port serial line conditioning module	Contact Factory
221004-00	<b>RS-422</b> 4-port serial line conditioning module	Contact Factory
221007-00	<b>RS-423</b> 4-port serial line conditioning module	Contact Factory
221017-00	<b>RS-485</b> 4-port serial line conditioning module	Contact Factory
221010-00	<b>MIL-STD-188C</b> 4-port serial line conditioning module	Contact Factory
221020-01	<b>128 KB SRAM</b> Memory Kit for 8-port configuration.	Contact Factory
221020-02	<b>128 KB SRAM</b> Memory Kit for 16-port configuration.	Contact Factory
221020-05	<b>512 KB SRAM</b> Memory Kit for 8-port configuration.	Contact Factory
221020-06	<b>512 KB SRAM</b> Memory Kit for 16-port configuration.	Contact Factory
221020-07	<b>1 MB SRAM</b> Memory Kit for 8-port configuration.	Contact Factory
221020-08	<b>1 MB SRAM</b> Memory Kit for 16-port configuration.	Contact Factory
<b>Software</b>		
<p>All driver kits include a binary copy of the device driver software and right to use license to control a single Macrolink board in a single operating system environment. Additional configuration, test and example code is supplied in source format written in C. Additional run-time licenses include the right to license, and infer the right to reproduce software supplied in the initial driver kit for use with one additional Macrolink board. For quantity discounts on additional run-time licenses, contact the factory. The -XX suffix indicates the format and media of the supplied software. Please specify when ordering. For details on available formats and media, please contact the factory. Driver kits are warranted for 90 days with support via our BBS and Internet e-mail. Annual driver maintenance provides 12 months of phone support and applicable driver update releases for one OS type.</p>		
455001-XX	<b>SunOS/UNIX</b> driver kit	Contact Factory
456002-03	Additional SunOS/UNIX Driver Run-Time License	Contact Factory
900020-01	<b>SunOS/UNIX</b> driver annual maintenance	Contact Factory
455007-XX	<b>VxWorks</b> Driver Kit.	Contact Factory
456002-01	Additional VxWorks Driver Run-Time License	Contact Factory
900020-02	<b>VxWorks</b> Driver Annual maintenance	Contact Factory

455011-XX	<b>Solaris 2.x Driver Kit</b>	Contact Factory
456002-02	Additional Solaris 2.x Driver Run-Time License	Contact Factory
900020-03	<b>Solaris 2.x Driver Annual maintenance</b>	Contact Factory
455013-XX	<b>HP-UX v9.x Driver kit</b>	Contact Factory
456002-04	Additional HP-UX v9.x Driver Run-Time License	Contact Factory
900020-04	<b>HP-UX v9.x Driver Annual maintenance</b>	Contact Factory
455025-XX	<b>HP-UX v10.x Driver Kit</b>	Contact Factory
456002-05	Additional HP-UX v10.x Driver Run-Time License	Contact Factory
900020-04	<b>HP-UX v10.x Driver Annual maintenance</b>	Contact Factory
455202-XX	<b>UNIX - V/88 Driver kit</b>	Contact Factory
456002-06	Additional UNIX - V/88 Driver Run-Time License	Contact Factory
900020-01	<b>UNIX - V/88 Driver Annual maintenance</b>	Contact Factory
<b>Accessories</b>		
<b>I/O Transition Panels</b>		
330061-50	<a href="#">DB-25</a> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330061-51	<a href="#">DB-25</a> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-422/RS-423/RS-485; two required for 16 ports.	Contact Factory
330061-52	<a href="#">DB-25</a> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for 4 ports of RS-232/MIL-STD-188C & 4 ports of RS-422/RS-423/RS-485; two required for 16 ports.	Contact Factory
330061-53	<a href="#">DB-25</a> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for 4 ports of RS-422/RS-423/RS-485 & 4 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330050-50	<a href="#">RJ-45</a> 16-line 6U I/O transition panel for MVC.	Contact Factory
<b>Cables</b>		
320126-01	<b>3' shielded cable</b> ; 80-pin HD to 80-pin HD; two required for 16 ports	Contact Factory
320126-00	<b>6' shielded cable</b> ; 80-pin HD to 80-pin HD; two required for 16 ports	Contact Factory
320126-02	<b>10' shielded cable</b> ; 80-pin HD to 80-pin HD; two required for 16 ports	Contact Factory
320138-00	<b>3' un-shielded ribbon cable</b> ; 80-pin HD to 80-pin HD; two required for 16 ports	Contact Factory
320138-01	<b>6' un-shielded ribbon cable</b> ; 80-pin HD to 80-pin HD; two required for 16 ports	Contact Factory
	<b>2' un-shielded ribbon cable</b> ; 80-pin HD to 8 DB-25 connector;	

320281-00	two required for 16 ports	Contact Factory
320149-00	<b>Local loop-back connector</b> Cross couples 8 channels for testing.	Contact Factory
<b>Manuals</b>		
340001-00	MVC Installation, Programming & Users Manual.	Contact Factory
<b>MVCP Synchronous/Asynchronous Multi-Protocol Communications Processor</b> <b>Synchronous/Asynchronous 6U VMEbus Serial communications Controller with data rates from 300-2 Mbps</b>		
<b>Product Number</b>	<b>Description</b>	<b>List Price</b>
<b>Standard 16 Port Configurations</b>		
221025-61	<b>MVCP</b> with 16 ports of RS-232 & 1MB SRAM; D32 support.	Contact Factory
221025-81	<b>MVCP</b> As above with D32/D64 support.	Contact Factory
221025-62	<b>MVCP</b> with 16 ports of RS-232 & 4MB SRAM; D32 support.	Contact Factory
221025-82	<b>MVCP</b> As above with D32/D64 support.	Contact Factory
221025-64	<b>MVCP</b> with 16 ports of RS-422 & 1MB SRAM; D32 support.	Contact Factory
221025-84	<b>MVCP</b> As above with D32/D64 support.	Contact Factory
221025-65	<b>MVCP</b> with 16 ports of RS-422 & 4MB SRAM; D32 support.	Contact Factory
221025-85	<b>MVCP</b> As above with D32/D64 support.	Contact Factory
<b>Standard 8 Port Configurations</b>		
221025-51	<b>MVCP</b> with 8 ports of RS-232 & 1MB SRAM; D32 support.	Contact Factory
221025-71	<b>MVCP</b> As above with with D32/D64 support	Contact Factory
221025-52	<b>MVCP</b> with 8 ports of RS-232 & 4MB SRAM; D32 support.	Contact Factory
221025-72	<b>MVCP</b> As above with with D32/D64 support	Contact Factory
221025-54	<b>MVCP</b> with 8 ports of RS-422 & 1MB SRAM; D32 support.	Contact Factory
221025-74	<b>MVCP</b> As above with with D32/D64 support	Contact Factory
221025-55	<b>MVCP</b> with 8 ports of RS-422 & 4MB SRAM; D32 support.	Contact Factory
221025-75	<b>MVCP</b> As above with with D32/D64 support	Contact Factory
<b>Custom Configuration Options</b>		
221025-91	<b>MVCP</b> 16 port baseboard; D32 support. Requires any four serial line conditioning modules & one memory kit.	Contact Factory

221025-93	<b>MVCP</b> 16 port baseboard; D32/D64 support. Requires any four serial line conditioning modules & one memory kit.	Contact Factory
221025-90	<b>MVCP</b> 8 port baseboard; D32 support. Requires any two serial line conditioning modules & one memory kit.	Contact Factory
221025-92	<b>MVCP</b> 8 port baseboard; D32/D64 support. Requires any two serial line conditioning modules & one memory kit.	Contact Factory
221044-00	<b>RS-232-D</b> 4-port serial line conditioning module	Contact Factory
221035-00	<b>RS-422</b> 4-port serial line conditioning module	Contact Factory
221036-00	<b>RS-485</b> 4-port serial line conditioning module	Contact Factory
221039-00	<b>MIL-STD-188C</b> 4-port serial line conditioning module	Contact Factory
221046-00	<b>Buffered TTL</b> 4-port serial line conditioning module	Contact Factory
221030-03	<b>1 MB SRAM</b> Memory Kit	Contact Factory
221030-04	<b>4 MB SRAM</b> Memory Kit	Contact Factory
<b>Software</b>		
All software development kits (SDK) include source in C. Software supplied with an SDK includes unlimited rights to use and to reproduce. -XX defines media distribution type and format. Please specify when ordering. SDKs are warranted for 90 days with support via our BBS and Internet e-mail. Annual SDK maintenance provides 12 months of phone support and applicable SDK update releases for one OS type.		
455022-XX	<b>VxWorks</b> based Developer Kit for the MVCP.	Contact Factory
900021-02	VxWorks SDK Annual maintenance.	Contact Factory
<b>Accessories</b>		
<b>I/O Transition Panels</b>		
330058-50	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330058-51	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-422/RS-485; two required for 16 ports.	Contact Factory
330058-52	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for 4 ports of RS-232/MIL-STD-188C & 4 ports of RS-422/RS-485; two required for 16 ports.	Contact Factory
330058-53	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for 4 ports of RS-422/RS-485 & 4 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330056-50	<b>RJ-45</b> 16-port I/O transition panel; 6U xx triple-width (12HP)	Contact Factory
<b>Cables &amp; P2 Adapter Modules</b>		
320275-00	<b>6' shielded cable</b> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory

320275-02	<a href="#">9' shielded cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-03	<a href="#">12' shielded cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-00	<a href="#">3' un-shielded ribbon cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-01	<a href="#">6' un-shielded ribbon cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
221041-00	<a href="#">P2 cable adapter module</a> with two 100-pin HD straight serial connectors.	Contact Factory
221041-01	<a href="#">P2 cable adapter module</a> with two 100-pin HD right-angle serial connectors.	Contact Factory
320358-00	<b>Local Loop-back connector</b> ; 100-pin; cross couples 8 RS-232/TTL/MIL-STD-188 ports for testing.	Contact Factory
320358-01	<b>Local Loop-back connector</b> ; cross couples 8 RS-422/RS-485 ports for testing.	Contact Factory
<b>Manuals</b>		
341025-00	MVCP Installation & User's Manual	Contact Factory
<b>MVCQuick Synchronous/Asynchronous Communications Controller</b> Synchronous/Asynchronous 6U VMEbus Serial communications controller with data rates to 12 Mbps. VMED32/D64 support.		
<b>Product Number</b>	<b>Description</b>	<b>List Price</b>
<b>Standard 16 Port Configurations</b>		
221027-51	<a href="#">MVCQ</a> with 16 ports of RS-232 & 4MB DRAM	Contact Factory
221027-61	<a href="#">MVCQ</a> with 16 ports of RS-422 & 4MB DRAM	Contact Factory
<b>Standard 8 Port Configurations</b>		
221027-50	<a href="#">MVCQ</a> with 8 ports of RS-232 & 4MB DRAM	Contact Factory
221027-60	<a href="#">MVCQ</a> with 8 ports of RS-422 & 4MB DRAM	Contact Factory
<b>Custom Configuration Options</b>		
221027-72	<a href="#">MVCQ</a> 16 port baseboard with 4MB DRAM; requires any 4 serial line conditioning modules.	Contact Factory
221027-74	<a href="#">MVCQ</a> 16 port baseboard with 8MB DRAM; requires any 4 serial line conditioning modules.	Contact Factory
221027-76	<a href="#">MVCQ</a> 16 port baseboard with 16MB DRAM; requires any 4 serial line conditioning modules.	Contact Factory
221027-71	<a href="#">MVCQ</a> 8 port baseboard with 4MB DRAM; requires any 2 serial line conditioning modules.	Contact Factory

221027-73	<b>MVCQ</b> 8 port baseboard with 8MB DRAM; requires any 2 serial line conditioning modules.	Contact Factory
221027-75	<b>MVCQ</b> 8 port baseboard with 16MB DRAM; requires any 2 serial line conditioning modules.	Contact Factory
221044-01	<b>RS-232</b> 4-port serial line conditioning module.	Contact Factory
221045-00	<b>RS-422</b> 4-port serial line conditioning module.	Contact Factory
221036-01	<b>RS-485</b> 4-port serial line conditioning module.	Contact Factory
221039-00	<b>MIL-STD-188C</b> 4-port serial line conditioning module.	Contact Factory
221046-0	<b>Buffered TTL</b> 4-port serial line conditioning module.	Contact Factory

### Software

Software available includes both VxWorks Board Support Packages and VxWorks Driver Software Development Kits. VxWorks Board Support Packages (BSP) include a single VxWorks Right-To-Use (RTU) license and binary run-time. Source code files all on-board device drivers, as well as any user-modifiable code or example code required to set up, use and test the VxWorks device drivers included in the BSP are also included. Additional VxWorks Right-To-Use Licenses are available from Wind River Systems or from Macrolink. Please contact Wind River Systems or Macrolink for pricing and discount information. VxWorks software licenses are subject to the terms and conditions of Wind River Systems and of Macrolink, and require a valid VxWorks Software Developers License, available from Wind River Systems. Software Development Kits (SDK) include example drivers and test code supplied as source in C. -XX defines media distribution type and format. Please specify when ordering. BSPs and SDKs are warranted for 90 days with support via our BBS and Internet e-mail. Annual BSP or SDK maintenance provides 12 months of phone support and applicable BSP or SDK update releases for one host OS type.

455031-XX	<b>VxWorks</b> Board Support Package Software for the MVCQuick	Contact Factory
P10010-00	Additional VxWorks Right-To-Use License for the MVCQuick	Contact Factory
900024-00	<b>VxWorks</b> BSP Annual maintenance	Contact Factory
455023-XX	<b>VxWorks</b> based Software Development Kit for the MVCQuick	Contact Factory
900021-XX	<b>VxWorks</b> SDK Annual maintenance	Contact Factory

### Accessories

#### I/O Transition Panels

330058-50	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330058-51	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for all 8 ports of RS-422/RS-485; two required for 16 ports.	Contact Factory
330058-52	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for 4 ports of RS-232/MIL-STD-188C & 4 ports of RS-422/RS-485; two required for 16 ports.	Contact Factory
330058-53	<b>DB-25</b> 8-port I/O transition panel; 6U x dual-width (8HP); Factory configured for 4 ports of RS-422/RS-485 & 4 ports of RS-232/MIL-STD-188C; two required for 16 ports.	Contact Factory
330056-50	<b>RJ-45</b> 16-port I/O transition panel; 6U xx triple-width (12HP)	Contact Factory

**Cables & P2 Adapter Modules**

320275-00	<a href="#">6' shielded cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-02	<a href="#">9' shielded cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320275-03	<a href="#">12' shielded cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-00	<a href="#">3' un-shielded ribbon cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
320271-01	<a href="#">6' un-shielded ribbon cable</a> ; 100-pin HD to 100-pin HD; two required for 16 ports.	Contact Factory
221041-00	<a href="#">P2 cable adapter module</a> with two 100-pin HD straight serial connectors.	Contact Factory
221041-01	<a href="#">P2 cable adapter module</a> with two 100-pin HD right-angle serial connectors.	Contact Factory
320358-00	<a href="#">Local Loop-back connector</a> ; 100-pin; cross couples 8 RS-232/TTL/MIL-STD-188 ports for testing.	Contact Factory

**Manuals**

341027-00	MVCQ Installation & User's Manual	Contact Factory
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# SCSI VME Host Adapters

**MVS/200 8-Bit SCSI-2 Fast Host Adapters, up to 7MB/s sustained with P2 connection**

Product Number	Description	List Price
<b>Single-Port Configurations</b>		
222001-50	<a href="#">MVS/200</a> Single-port, single-ended SCSI	Contact Factory
222001-53	<a href="#">MVS/200</a> Single-port, differential SCSI	Contact Factory
<b>Dual-Port Configurations</b>		
222001-51	<a href="#">MVS/200</a> Dual-port, single-ended SCSI	Contact Factory
222001-55	<a href="#">MVS/222</a> Dual-port, differential SCSI	Contact Factory
	<a href="#">MVS/212</a> Dual-port, port 1 single-ended port 2 differential w/P2	

222001-52	differential SCSI	Contact Factory
<b>Software</b>		
All MVS/200 software driver kits include source in C. -XX defines media distribution type and format. Please specify when ordering. Driver kits are warranted for 90 days with support via our BBS and Internet e-mail. Annual driver maintenance provides 12 months of phone support and applicable driver update releases for one OS type.		
455008-XX	<b>VxWorks</b> driver kit.	Contact Factory
900022-02	<b>VxWorks</b> Annual maintenance for driver kit.	Contact Factory
455010-XX	<b>Solaris 2.x</b> driver kit.	Contact Factory
900022-03	<b>Solaris 2.x</b> Annual maintenance for driver kit.	Contact Factory
455004-XX	<b>SunOS/UNIX</b> driver kit.	Contact Factory
900022-01	<b>SunOS/UNIX</b> Annual maintenance for driver kit.	Contact Factory
455020-XX	<b>HP-UX v9.x</b> driver kit.	Contact Factory
900022-04	<b>HP-UX v9.x</b> Annual maintenance for driver kit.	Contact Factory
<b>Accessories</b>		
<b>I/O Panels</b>		
330091-00	<b>Internal SCSI cable</b> assembly. 18" . P2 cable, 6U bezel and shielded high-density connector.	Contact Factory
330092-00	<a href="#">Internal SCSI cable</a> assembly. 18". P2 cable, 6U bezel and shielded D ribbon connector.	Contact Factory
<b>Cables</b>		
320183-00	<b>1 ft. shielded SCSI cable.</b> Shielded 50-pin HD to 50-pin HD connectors.	Contact Factory
320183-01	<b>2 ft. shielded SCSI cable.</b> Shielded 50-pin HD to 50-pin HD connectors.	Contact Factory
320183-02	<b>6 ft. shielded SCSI cable.</b> Shielded 50-pin HD to 50-pin HD connectors.	Contact Factory
320183-03	<b>10 ft. shielded SCSI cable.</b> Shielded 50-pin HD to 50-pin HD connectors.	Contact Factory
320183-04	<b>15 ft. shielded cable;</b> shielded 50-pin HD to shielded 50-pin HD connectors.	Contact Factory
320174-00	<b>2m shielded cable;</b> shielded 50-pin HD to shielded 50-pin "D"-ribbon connectors	Contact Factory
320167-00	<b>2m shielded cable;</b> shielded 50-pin HD to shielded DB-50 connectors	Contact Factory
320156-00	<a href="#">2m internal ribbon cable;</a> P2 (3-row DIN) to six unshielded 50-pin SCSI connectors	Contact Factory
<b>Manuals</b>		



340004-00	MVS/200 Installation, Programming & Users Manual	Contact Factory
<b>MVS/216 16-Bit SCSI-2 Fast/Wide Host Adapters, up to 12MB/s sustained with P2 connection</b>		
<b>Product Number</b>	<b>Description</b>	<b>List Price</b>
<b>Single-Port Configurations</b>		
222015-51	<a href="#">MVS/216</a> Single-port, single-ended SCSI	Contact Factory
222015-52	<a href="#">MVS/216</a> Single-port, differential SCSI	Contact Factory
<b>Dual-Port Configurations</b>		
222015-53	<a href="#">MVS/216</a> Dual-port, single-ended SCSI	Contact Factory
222015-54	<a href="#">MVS/216</a> Dual-port, differential SCSI	Contact Factory
222015-55	<a href="#">MVS/216</a> Dual-port, port 1 single-ended; port 2 differential SCSI	Contact Factory
<b>Software</b>		
All MVS/216 software driver kits include source in C. -XX defines media distribution type and format. Please specify when ordering. Driver kits are warranted for 90 days with support via our BBS and Internet e-mail. Annual driver maintenance provides 12 months of phone support and applicable driver update releases for one OS type.		
455008-XX	<b>VxWorks</b> driver kit.	Contact Factory
900022-02	VxWorks Annual maintenance for driver kit	Contact Factory
455010-XX	<b>Solaris 2.x</b> driver kit; Release 2.2 and later.	Contact Factory
900022-03	<b>Solaris 2.x</b> Annual maintenance for driver kit	Contact Factory
455004-XX	<b>SunOS/UNIX</b> driver kit.	Contact Factory
900022-01	<b>SunOS/UNIX</b> Annual maintenance for driver kit	Contact Factory
455020-XX	<b>HP-UX v9.x</b> driver kit.	Contact Factory
900022-04	<b>HP-UX v9.x</b> Annual maintenance for driver kit	Contact Factory
<b>Accessories</b>		
<b>P2 Adapter Module</b>		
222014-00	<a href="#">P2 cable adapter</a> panel for MVS/216	Contact Factory
<b>Cables</b>		
T40000-01	<a href="#">1m shielded SCSI cable</a> Shielded high-density to shielded high-density connectors.	Contact Factory
T40000-02	<b>2m shielded SCSI cable.</b> Shielded high-density to shielded high-density connectors.	Contact Factory
T40000-03	<b>3m shielded SCSI cable.</b> Shielded high-density to shielded high-density connectors.	Contact Factory

T40000-04	<b>4m shielded SCSI cable.</b> Shielded high-density to shielded high-density connectors.	Contact Factory
T40000-05	<b>5m shielded SCSI cable.</b> Shielded high-density to shielded high-density connectors.	Contact Factory
320273-01	<b>2 ft. internal, Wide SCSI ribbon cable</b> with three 68-pin HD male connectors	Contact Factory
320273-04	<b>4 ft. internal, Wide SCSI ribbon cable</b> with five 68-pin HD male connectors	Contact Factory
320273-07	<b>6 ft.9 in. internal, Wide SCSI ribbon cable</b> with seven 68-pin HD male connectors	Contact Factory
320273-09	<b>5 ft. internal, Wide SCSI ribbon cable</b> with six 68-pin HD male connectors	Contact Factory
<b>Manual</b>		
340015-00	MVS/216 Installation, Programming & Users Manual	Contact Factory
<b>MVS/316 16-Bit Ultra SCSI Host Adapters, up to 32MB/s sustained with P2 connection</b>		
<b>Product Number</b>	<b>Description</b>	<b>List Price</b>
<b>Single-Port Configurations</b>		
222030-50	<a href="#">MVS/316</a> Single-port, single-ended SCSI	Contact Factory
222030-58	MVS/316 Single-port, Low-Voltage-Differential (LVD) SCSI	Contact Factory
222030-51	<b>MVS/316</b> Single-port, differential SCSI	Contact Factory
222030-52	<b>MVS/316</b> Single-port, differential SCSI No Terminator	Contact Factory
<b>Dual-Port Configurations</b>		
222030-53	<b>MVS/316</b> Dual-port, single-ended w/P2 SCSI	Contact Factory
222030-59	MVS/316 Dual-Port, Low-Voltage-Differential (LVD) SCSI	Contact Factory
222030-54	<b>MVS/316</b> Dual-port, differential w/P2 SCSI	Contact Factory
222030-55	<b>MVS/316</b> Dual-port, differential SCSI No Terminator	Contact Factory
<b>Software</b>		
All MVS/316 software driver kits include source in C. -XX defines media distribution type and format. Please specify when ordering. Driver kits are warranted for 90 days with support via our BBS and Internet e-mail. Annual driver maintenance provides 12 months of phone support and applicable driver update releases for one OS type.		
455027-XX	<b>VxWorks</b> driver kit.	Contact Factory
900024-02	<b>VxWorks</b> Annual maintenance for driver kit.	Contact Factory
455026-XX	<b>Solaris 2.x</b> driver kit	Contact Factory
900024-03	<b>Solaris 2.x</b> Annual maintenance for driver kit	Contact Factory

455028-XX	<b>HP-UX v9.x</b> driver kit	Contact Factory
900024-04	<b>HP-UX v9.x</b> Annual maintenance for driver kit.	Contact Factory
<b>Accessories</b>		
<b>Mezzanine Modules, Conversion Kits &amp; P2 Adapter Module</b>		
222021-00	<b>Low-Voltage-Differential (LVD) mezzanine module</b> for the MVS/316	Contact Factory
330099-00	<b>Mezzanine module mounting kit</b> for the MVS/216 & MVS/316. Includes all hardware and standoffs to install one mezzanine module.	Contact Factory
330098-00	<b>Single-Port to Dual-Port conversion kit</b> for the MVS/216 & MVS/316. Includes front bezel assembly and all mezzanine module mounting hardware.	Contact Factory
222014-00	<a href="#">P2 cable adapter</a> panel for MVS/216	Contact Factory
<b>Cables</b>		
T40000-01	<a href="#">1m shielded SCSI cable</a> Shielded high-density to shielded high-density connectors.	Contact Factory
T40000-02	<b>6ft. shielded SCSI cable.</b> Shielded high-density to shielded high-density connectors.	Contact Factory
T40000-03	<b>3m shielded SCSI cable.</b> Shielded high-density to shielded high-density connectors.	Contact Factory
T40000-04	<b>4m shielded SCSI cable.</b> Shielded high-density to shielded high-density connectors.	Contact Factory
T40000-05	<b>5m shielded SCSI cable.</b> Shielded high-density to shielded high-density connectors.	Contact Factory
320273-01	<b>2 ft. internal, Wide SCSI ribbon cable</b> with three 68-pin HD male connectors	Contact Factory
320273-04	<b>4 ft. internal, Wide SCSI ribbon cable</b> with five 68-pin HD male connectors	Contact Factory
320273-07	<b>6 ft.9 in. internal, Wide SCSI ribbon cable</b> with seven 68-pin HD male connectors	Contact Factory
320273-09	<b>5 ft. internal, Wide SCSI ribbon cable</b> with six 68-pin HD male connectors	Contact Factory
<b>Manual</b>		
342030-00	MVS/316 Installation, Programming & Users Manual.	Contact Factory
<b>ATR Products</b>		
530147-100	JRE Server 19 inch 4U Rack Mount enclosure. Input voltage 28VDC/115VAC per MIL-STD-704. Aluminum alloy structure brazed per MIL-B-7883	Contact Factory
530762-100	Falcon V-B: 1 ATR modified tall long convection cooled aluminum brazed enclosure per MIL-B-7883. 9 slot VME64X, 115 VAC,	Contact Factory

	400Hz per MIL-STD-704, output voltages +3.3, +5, +12, -12 and +28VDC. Includes integral fan assembly, and Mercury Raceway (ILK2P-T2VH). Plus the addition of 2 SMA connectors.	
530468-100	ATR Tall, Long, 20-Slot VME64x, forced air convection cooled aluminum-brazed enclosure per MIL-B-7883 with the following: Structure design to meet MIL-E-5400T and MIL-STD-810 environments. Standard 20-Slot VME64x J1/J0/J2 monolithic backplane (shrouded J0/P2). Includes internal power cabling. Uses Rotron fan model number 57504 or equivalent. Qualification testing optional. Operating temperature: -22C to +10C. System input power will be +28VDC per MIL-STD-704E. Power Supply voltage output -2 VDC, +3.3 VDC, +5 VDC, -5.2 VDC, +12 VDC, -12VDC, +15 VDC. Customer to define external color per MIL-C-83286B, Type I. Customer to approve I/O panel layout.	Contact Factory
530125-115	Falcon IV: 1 ATR long side loading convection cooled aluminum brazed enclosure per MIL-B-7883, 9 slot VME64X, 115 VAC, 400Hz per MIL-STD-704, output voltages +3.3 @ 7.5 amp, +5 @ 20.0amp, +12 @ 2.0 amps, -12 @ 4.0 amps and +28VDC @ 4.0 amps. Included integral fan assembly, ARINC 404A compliant, lusterless gray per FED-STD 595-26231.	Contact Factory
530323-100	1 ATR Tall Long per ARINC 404A, 12 slot VME64X card cage IEEE1101.10. Enclosure brazed per MIL-B-7883. Input voltage +28VDC per MIL-STD-704.	Contact Factory
530822-100	Digital Unit, modified 1 ATR long, forced air conduction cooled, 15-Slot custom 6U VME, conduction cooled sealed aluminum 6061-T651, brazed enclosure per MIL-B-7883. Power supply outputs + 5 VDC @ 40.0 amps, +12 VDC @ 1.0 amp, -7 VDC @ 1.0 amp.	Contact Factory
512292-03	Digital brazed structure - no paint	Contact Factory
530823-100	RF Unit modified 1 ATR Long forced air conduction cooled, 15-slot custom 6U VME, conduction cooled sealed aluminum 6061-T651, brazed enclosure per MIL-B-7883. Power supply outputs +5 VDC @ 2.0 amps, +12 VDC @ 3.0 amp.	Contact Factory
512293-03	RF brazed structure - no paint	Contact Factory
<b>Engineering Change Notice Distribution</b>		
300950-00	Provides a one year subscription service to field ECNs.	Contact Factory
* All pricing is for U.S. domestic addresses only.		