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## *L1-Only Product Line Transition*

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NovAtel is committed to offering the best products possible to our customers. To allow us to better focus on adding value and enhancing the performance of our L1-only products, NovAtel has taken steps to create a more streamlined L1-only product line. This will also allow us to support these products more effectively and simplify the ordering process for our customers. As a result of this product line transition, some mature products have been discontinued, while others have evolved to support new functionality.

Information on the transition is given in the sections below and a complete list of discontinued L1-only products is provided starting on page 4. For a complete list of pricing for current NovAtel products, please visit the Registered Services section of [www.novatel.com](http://www.novatel.com).

Every effort has been made to ensure customers currently using our L1-only products can be fully transitioned to this enhanced product line with minimal impact. However, if you have any questions or concerns about the transition, please contact your local dealer. To receive future information on new products and software updates, please subscribe to NovAtel AutoNews at [www.novatel.com](http://www.novatel.com).

### **1.100 Software Release with Expanded SUPERSTAR II Features**

NovAtel has completed the release of version 1.100 software, which expands the functionality of the SUPERSTAR II to include support for SBAS (Satellite-Based Augmentation System) corrections, such as those provided by the WAAS, EGNOS, and MSAS systems, RTCM-104 DGPS base station operation, and support for precise timing applications with 50 ns accuracy (typical).

### **SUPERSTAR II OEM Board Standardization**

NovAtel has begun shipping a higher-memory version of the SUPERSTAR II, which has become the standard for future development. The new version, available in 5 V and 3.3 V models, provides the same functionality and pin-out as the previous variants but includes higher flash memory and SRAM capacities to support the expanded features available in the 1.100 software release. All higher-memory SUPERSTAR II cards will be field-updateable with the new software.

### **SUPERSTAR I Discontinuation**

The SUPERSTAR I product line is being discontinued in favor of the SUPERSTAR II, which provides the same pin-out and form factor as the SUPERSTAR I at a lower price. With the new software available, the majority of the functionality previously supported on the SUPERSTAR I, including precise timing, is available on the SUPERSTAR II.

With the discontinuation of the SUPERSTAR I hardware, SMART ANTENNAS containing the SUPERSTAR I are being discontinued as well. SUPERSTAR II RS-422 SMART ANTENNAS are available as drop-in replacements now and offer the same features as the SUPERSTAR I version. SUPERSTAR II RS-232 SMART ANTENNAS will be available later in 2004. Remaining inventory of SUPERSTAR I-based products is available through your local dealer.



### Software Models and Part Numbering

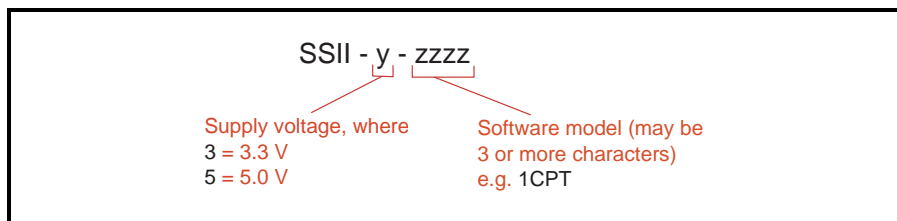
As part of the product line transition, NovAtel is simplifying the ordering of software options by introducing a standard set of models for all SUPERSTAR II-based products. These models are designed to include the functionality previously available on the SUPERSTAR I. Additional models and features, including waypoint storage, will be available later in 2004.

**Table 1 - SUPERSTAR II Family Software Models**

Model	Feature								
	SBAS	1 Hz PVT	5 Hz PVT	1 Hz Carrier Phase Output	10 Hz Carrier Phase Output	Precise Timing (50 ns typical)	RTCM-104 DGPS Base Station	Default baud rate of 9,600 bps	Default baud rate of 19,200 bps
-STD	✓	✓						✓	
-1CPT	✓	✓		✓		✓		✓	
-1CPT-19	✓	✓		✓		✓			✓
-5HZ	✓	✓	✓					✓	
-10CP-19	✓	✓		✓	✓				✓
-BASE	✓	✓		✓			✓	✓	

With the creation of these new models, NovAtel has implemented a part numbering system for our SUPERSTAR II-based products that allows our customers to specify the hardware configuration and software model with a single part number. This system is used throughout the rest of this document to indicate replacement parts and pricing. For the SUPERSTAR II OEM cards, the part number follows the format below.

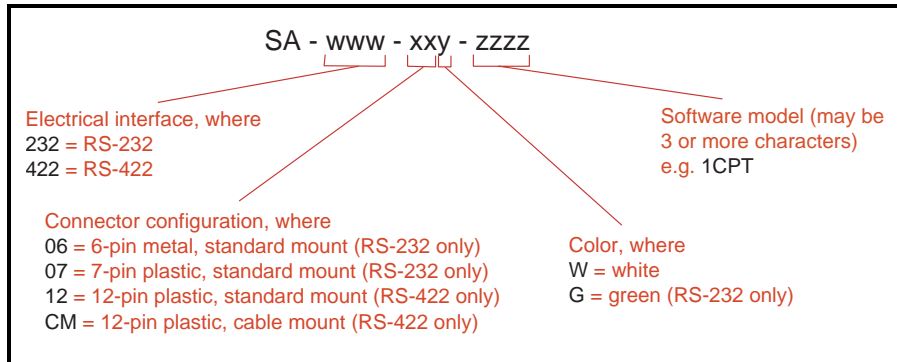
**Figure 1 - SUPERSTAR II OEM Cards Part Numbering**





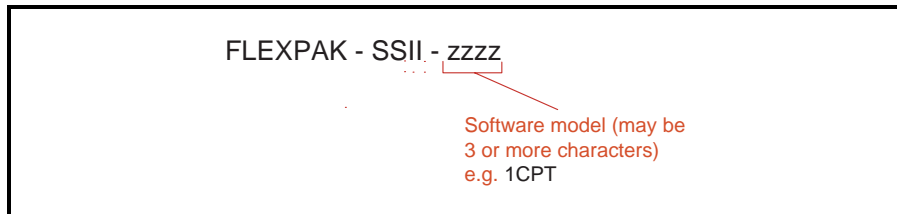
SUPERSTAR II SMART ANTENNAS use the following part number system.

**Figure 2 - SUPERSTAR II SMART ANTENNA Part Numbering**



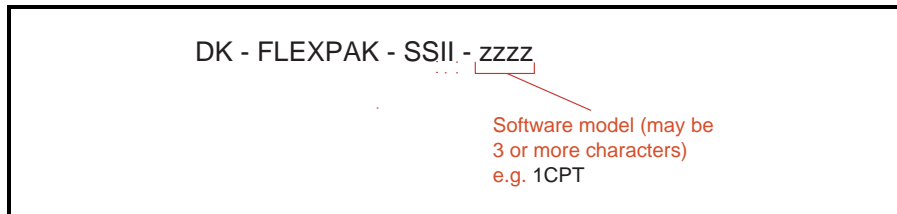
The FlexPak-SSII is denoted using the following format.

**Figure 3 – FlexPak-SSII Part Numbering**



Development kits will be indicated with the string “DK-“ preceding the receiver part number. For example, FlexPak-SSII development kits will be specified as shown below.

**Figure 4 – FlexPak-SSII Development Kit Part Numbering**





### Discontinued Products Cross-Reference

The tables below provide a complete list of L1-only items being discontinued, ordered by part number, and suggested replacements. Remaining inventory of some discontinued items may be available, however please confirm quantities prior to ordering.

**Table 2 - Discontinued L1-Only Receivers**

Discontinued Part	Description	Software Options	Suggested Replacement	Description
<b>Discontinued STARBOX Enclosures</b>				
100-600304-001	SUPERSTAR I in STARBOX enclosure	None	FLEXPAK-SSII-STD	Shock, water, and dust resistant SUPERSTAR II enclosure with 2 Mb SRAM and 8 Mb flash
		Option 1	FLEXPAK-SSII-1CPT-19	
		Option 2	FLEXPAK-SSII-1CPT	
		Option 3	FLEXPAK-SSII-10CP-19	
		Option 14	FLEXPAK-SSII-STD <sup>1</sup>	
100-600304-002	SUPERSTAR II in STARBOX enclosure	None	FLEXPAK-SSII-STD	Shock, water, and dust resistant SUPERSTAR II enclosure with 2 Mb SRAM and 8 Mb flash
		Option 1	FLEXPAK-SSII-1CPT-19	
		Option 2	FLEXPAK-SSII-1CPT	
		Option 3	FLEXPAK-SSII-10CP-19	
100-600304-041, -050	STARBOX enclosure with ALLSTAR	None	FLEXPAK-SSII-STD	Shock, water, and dust resistant SUPERSTAR II enclosure with 2 Mb SRAM and 8 Mb flash
		Option 1	FLEXPAK-SSII-1CPT-19	
		Option 3	FLEXPAK-SSII-10CP-19	
		Option 6	FLEXPAK-SSII-5HZ	
		Option 7	FLEXPAK-SSII-5HZ	
		Option 9	FLEXPAK-SSII-10CP-19	
100-600304-100	STARBOX enclosure with ALLSTAR DGPS Base Station	N/A	FLEXPAK-SSII-BASE	Shock, water, and dust resistant SUPERSTAR II enclosure with with DGPS base station operation
100-600304-400	RT-STAR in STARBOX enclosure	N/A	FLEXPAK-G2L-RT20	FlexPak enclosure containing OEM4-G2L with 20 cm real-time kinematic positioning

<sup>1</sup> Waypoint storage will be available as a standard feature later in 2004.



Discontinued Part	Description	Software Options	Suggested Replacement	Description
<b>Discontinued SUPERSTAR I RS-232 SMART ANTENNAS</b>				
100-601903-00x	White RS-232 SUPERSTAR I SMART ANTENNA with 7-pin plastic connector	None	SA-232-07W-STD <sup>2</sup>	White RS-232 SUPERSTAR II SMART ANTENNA with 7-pin plastic connector
		Option 1	SA-232-07W-1CPT-19 <sup>2</sup>	
		Option 2	SA-232-07W-1CPT <sup>2</sup>	
		Option 3	SA-232-07W-10CP-19 <sup>2</sup>	
		Option 14	SA-232-07W-STD <sup>2,3</sup>	
100-601903-05x	Green RS-232 SUPERSTAR I SMART ANTENNA with 6-pin metal connector	None	SA-232-06G-STD <sup>2</sup>	Green RS-232 SUPERSTAR II SMART ANTENNA with 6-pin metal connector
		Option 1	SA-232-06G-1CPT-19 <sup>2</sup>	
		Option 2	SA-232-06G-1CPT <sup>2</sup>	
		Option 3	SA-232-06G-10CP <sup>2</sup>	
		Option 14	SA-232-06G-STD <sup>2,3</sup>	
<b>Discontinued ALLSTAR RS-232 SMART ANTENNAS</b>				
100-601903-502	White RS-232 ALLSTAR SMART ANTENNA with 7-pin plastic connector with SBAS and 5 Hz PVT software	Option 7 & Option 12 (included)	SA-232-07W-5HZ <sup>2</sup>	White RS-232 SUPERSTAR II SMART ANTENNA with 7-pin plastic connector with SBAS and 5 Hz PVT software
100-601903-512	White RS-232 ALLSTAR SMART ANTENNA with 7-pin plastic connector with SBAS software	Option 12 (included)	SA-232-07W-STD <sup>2</sup>	White RS-232 SUPERSTAR II SMART ANTENNA with 7-pin plastic connector with SBAS software
100-601903-522	White RS-232 ALLSTAR SMART ANTENNA with 7-pin plastic connector	None	SA-232-07W-STD <sup>2</sup>	White RS-232 SUPERSTAR II SMART ANTENNA with 7-pin plastic connector
		OP07	SA-232-07W-5HZ <sup>2</sup>	
		OP09	SA-232-07W-10CP-19 <sup>2</sup>	
		OP12	SA-232-07W-STD <sup>2</sup>	
100-601903-542	White RS-232 ALLSTAR SMART ANTENNA with 6-pin metal connector	None	SA-232-06W-STD <sup>2</sup>	White RS-232 SUPERSTAR II SMART ANTENNA with 6-pin metal connector
		OP07	SA-232-06W-5HZ <sup>2</sup>	
		OP09	SA-232-06W-10CP-19 <sup>2</sup>	
		OP12	SA-232-06W-STD <sup>2</sup>	
100-601903-552	Green RS-232 ALLSTAR SMART ANTENNA with 6-pin metal connector	None	SA-232-06G-STD <sup>2</sup>	Green RS-232 SUPERSTAR II SMART ANTENNA with 6-pin metal connector
		OP07	SA-232-06G-5HZ <sup>2</sup>	
		OP09	SA-232-06G-10CP-19 <sup>2</sup>	
		OP12	SA-232-06G-STD <sup>2</sup>	

<sup>2</sup> RS-232 SUPERSTAR II SMART ANTENNAS will be available later in 2004.

<sup>3</sup> Waypoint storage will be available as a standard feature later in 2004.



Discontinued Part	Description	Software Options	Suggested Replacement	Description
<b>Discontinued SUPERSTAR I RS-422 SMART ANTENNAS</b>				
100-601910-00x	White RS-422 SUPERSTAR I SMART ANTENNA with 12-pin standard connector	None	SA-422-12W-STD	White RS-422 SUPERSTAR II SMART ANTENNA with 12-pin standard connector
		Option 1	SA-422-12W-1CPT-19	
		Option 2	SA-422-12W-1CPT	
		Option 3	SA-422-12W-10CP-19	
		Option 14	SA-422-12W-STD <sup>4</sup>	
		Option 16	SA-422-12W-1CPT	
100-601910-01x	White RS-422 SUPERSTAR I SMART ANTENNA with 12-pin central cable mount	None	SA-422-CMW-STD	White RS-422 SUPERSTAR II SMART ANTENNA with 12-pin central cable mount
		Option 1	SA-422-CMW-1CPT-19	
		Option 2	SA-422-CMW-1CPT	
		Option 3	SA-422-CMW-10CP-19	
		Option 14	SA-422-CMW-STD <sup>4</sup>	
		Option 16	SA-422-CMW-1CPT	
100-601910-11x	White RS-422 SUPERSTAR I SMART ANTENNA with 12-pin central cable mount (4 Mb flash)	None	SA-422-CMW-STD	White RS-422 SUPERSTAR II SMART ANTENNA with 12-pin central cable mount
		Option 1	SA-422-CMW-1CPT-19	
		Option 2	SA-422-CMW-1CPT	
		Option 3	SA-422-CMW-10CP-19	
		Option 14	SA-422-CMW-STD <sup>4</sup>	
		Option 16	SA-422-CMW-1CPT	
<b>Discontinued SUPERSTAR II RS-422 SMART ANTENNAS</b>				
100-601911-002	White RS-422 SUPERSTAR II SMART ANTENNA with 12-pin standard connector and low memory capacity	None	SA-422-12W-STD	White RS-422 SUPERSTAR II SMART ANTENNA with 12-pin standard connector, 2 Mb SRAM, and 8 Mb flash
		Option 1	SA-422-12W-1CPT-19	
		Option 2	SA-422-12W-1CPT	
		Option 3	SA-422-12W-10CP-19	
100-601911-012	White RS-422 SUPERSTAR II SMART ANTENNA with 12-pin central cable mount and low memory capacity	None	SA-422-CMW-STD	White RS-422 SUPERSTAR II SMART ANTENNA with 12-pin central cable mount, 2 Mb SRAM, and 8 Mb flash
		Option 1	SA-422-CMW-1CPT-19	
		Option 2	SA-422-CMW-1CPT	
		Option 3	SA-422-CMW-10CP-19	
<b>Discontinued ALLSTAR OEM Cards</b>				
220-600944-00x, -013	ALLSTAR with 1 Mb SRAM	None	SSII-5-STD	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-5-1CPT-19	
		Option 3	SSII-5-10CP-19	
		Option 6	SSII-5-5HZ	
		Option 7	SSII-5-5HZ	
220-600944-018, -019	ALLSTAR with on-board rechargeable battery and 1 Mb SRAM	Any	N/A	N/A

<sup>4</sup> Waypoint storage will be available as a standard feature later in 2004.



Discontinued Part	Description	Software Options	Suggested Replacement	Description
220-600944-041	ALLSTAR with 1 Mb SRAM	None	SSII-5-STD	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-5-1CPT-19	
		Option 3	SSII-5-10CP-19	
		Option 6	SSII-5-5HZ	
		Option 7	SSII-5-5HZ	
220-600944-050, -051, -052, -053	ALLSTAR with 4 Mb SRAM	None	SSII-5-STD	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-5-1CPT-19	
		Option 3	SSII-5-10CP-19	
		Option 6	SSII-5-5HZ	
		Option 7	SSII-5-5HZ	
		Option 9	SSII-5-10CP-19	
220-600944-056, -057	ALLSTAR with on-board rechargeable battery and 4 Mb SRAM	Any	N/A	N/A
220-600944-203 and -223	ALLSTAR with straight main connect and 1 Mb SRAM	None	SSII-5-STD	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-5-1CPT-19	
		Option 3	SSII-5-10CP-19	
		Option 6	SSII-5-5HZ	
		Option 7	SSII-5-5HZ	
220-600944-307	ALLSTAR with straight main connector, on-board rechargeable battery, and 1 Mb SRAM	Any	N/A	N/A
<b>Discontinued SUPERSTAR I OEM Cards</b>				
220-604061-xxx	SUPERSTAR I	None	SSII-5-STD	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-5-1CPT-19	
		Option 2	SSII-5-1CPT	
		Option 3	SSII-5-10CP-19	
		Option 14	SSII-5-STD <sup>5</sup>	
		Option 16	SSII-5-1CPT	
<b>Discontinued Development Kits</b>				
241-600247-xxx	ALLSTAR development kit with plastic enclosure	None	DK-FLEXPAK-SSII-STD	FlexPak-SSII development kit
		Option 1	DK-FLEXPAK-SSII-1CPT-19	
		Option 3	DK-FLEXPAK-SSII-10CP-19	
		Option 6	DK-FLEXPAK-SSII-5HZ	
		Option 7	DK-FLEXPAK-SSII-5HZ	
		Option 9	DK-FLEXPAK-SSII-10CP-19	
		Option 12	DK-FLEXPAK-SSII-STD	

<sup>5</sup> Waypoint storage will be available as a standard feature later in 2004.



Discontinued Part	Description	Software Options	Suggested Replacement	Description
241-600248-xxx	SUPERSTAR I or SUPERSTAR II development kit with plastic enclosure	None	DK-FLEXPAK-SSII-STD	FlexPak-SSII development kit
		Option 1	DK-FLEXPAK-SSII-1CPT-19	
		Option 2	DK-FLEXPAK-SSII-1CPT	
		Option 3	DK-FLEXPAK-SSII-10CP-19	
		Option 14	DK-FLEXPAK-SSII-STD <sup>6</sup>	
		Option 16	DK-FLEXPAK-SSII-1CPT	
241-600249-001	SUPERSTAR I STARBOX development kit	None	DK-FLEXPAK-SSII-STD	FlexPak-SSII development kit
		Option 1	DK-FLEXPAK-SSII-1CPT-19	
		Option 2	DK-FLEXPAK-SSII-1CPT	
		Option 3	DK-FLEXPAK-SSII-10CP-19	
		Option 14	DK-FLEXPAK-SSII-STD <sup>6</sup>	
		Option 16	DK-FLEXPAK-SSII-1CPT	
241-600249-002	SUPERSTAR II STARBOX development kit	None	DK-FLEXPAK-SSII-STD	FlexPak-SSII development kit
		Option 1	DK-FLEXPAK-SSII-1CPT-19	
		Option 2	DK-FLEXPAK-SSII-1CPT	
		Option 3	DK-FLEXPAK-SSII-10CP-19	
241-600249-041, -050, -051	Development kit containing STARBOX enclosure with ALLSTAR	None	DK-FLEXPAK-SSII-STD	FlexPak-SSII development kit
		Option 1	DK-FLEXPAK-SSII-1CPT-19	
		Option 3	DK-FLEXPAK-SSII-10CP-19	
		Option 6	DK-FLEXPAK-SSII-5HZ	
		Option 7	DK-FLEXPAK-SSII-5HZ	
		Option 9	DK-FLEXPAK-SSII-10CP-19	
241-600249-100, -101, -102, -103	ALLSTAR DGPS Base Station STARBOX development kit	N/A	DK-FLEXPAK-SSII-BASE	Development kit containing FlexPak-SSII enclosure with DGPS base station operation
		241-600249-40x	RT-STAR STARBOX development kit	N/A
241-601153-0xx	RS-232 SUPERSTAR I SMART ANTENNA development kit	None	DK-SA-232-07W-STD <sup>7</sup>	RS-232 SUPERSTAR II SMART ANTENNA development kit
		Option 1	DK-SA-232-07W-1CPT-19 <sup>7</sup>	
		Option 2	DK-SA-232-07W-1CPT <sup>7</sup>	
		Option 3	DK-SA-232-07W-10CP-19 <sup>7</sup>	
		Option 14	DK-SA-232-07W-STD <sup>6,7</sup>	
		Option 16	DK-SA-232-07W-1CPT <sup>7</sup>	
241-601153-5xx	RS-232 ALLSTAR SMART ANTENNA development kit	None	DK-SA-232-07W-STD <sup>7</sup>	Development kit with white RS-232 SUPERSTAR II SMART ANTENNA with 7-pin connector
		Option 7	DK-SA-232-07W-5HZ <sup>7</sup>	
		Option 9	DK-SA-232-07W-10CP-19 <sup>7</sup>	
		Option 12	DK-SA-232-07W-STD <sup>7</sup>	

<sup>6</sup> Waypoint storage will be available as a standard feature later in 2004.

<sup>7</sup> RS-232 SUPERSTAR II SMART ANTENNAS will be available later in 2004.





Discontinued Part	Description	Software Options	Suggested Replacement	Description
241-601156-xxx	RS-422 SUPERSTAR I SMART ANTENNA development kit	None	DK-SA-422-12W-STD	RS-422 SUPERSTAR II SMART ANTENNA development kit
		Option 1	DK-SA-422-12W-1CPT-19	
		Option 2	DK-SA-422-12W-1CPT	
		Option 3	DK-SA-422-12W-10CP-19	
		Option 14	DK-SA-422-12W-STD <sup>8</sup>	
		Option 16	DK-SA-422-12W-1CPT	
<b>Discontinued ALLSTAR and RT-STAR OEM Cards</b>				
245-601944-016	ALLSTAR with straight main connector on reverse side and RTC backup	None	SSII-5-STD	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-5-1CPT-19	
		Option 3	SSII-5-10CP-19	
		Option 6	SSII-5-5HZ	
		Option 7	SSII-5-5HZ	
245-601944-103	ALLSTAR with DGPS base station operation	N/A	SSII-5-BASE	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, DGPS base station operation
245-601944-403	RT-STAR	N/A	OEM4-G2L-RT20	OEM4-G2L with 20 cm real-time kinematic positioning
<b>Discontinued SUPERSTAR II OEM Cards</b>				
245-604090-011 thru -016	5 V SUPERSTAR II with low memory capacity	None	SSII-5-STD	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-5-1CPT-19	
		Option 2	SSII-5-1CPT	
		Option 3	SSII-5-10CP-19	
245-604090-111 thru -116	3.3 V SUPERSTAR II with low memory capacity	None	SSII-3-STD	3.3 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-3-1CPT-19	
		Option 2	SSII-3-1CPT	
		Option 3	SSII-3-10CP-19	
245-604090-153	3.3 V SUPERSTAR II with straight main connector and right-angle RF connector and without supercap	None	SSII-3-STD	3.3 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector
		Option 1	SSII-3-1CPT-19	
		Option 2	SSII-3-1CPT	
		Option 3	SSII-3-10CP-19	
245-604090-915	5 V SUPERSTAR II with straight main connector on reverse side and straight RF connector	Option 1 (included)	SSII-5-1CPT-19	5 V SUPERSTAR II with 2 Mb SRAM, 8 Mb flash, straight main connector, and straight RF connector

<sup>8</sup> Waypoint storage will be available as a standard feature later in 2004.



**Table 3 - Discontinued L1-Only Receiver Accessories**

Discontinued Part	Description	Suggested Replacement
201-990300-757	Active AVL antenna, MCX male, +26 dB, removable magnet	N/A
201-990300-758	Active AVL antenna, BNC male, +26 dB, removable magnet	N/A
201-990146-887	Active geodetic antenna, +12 dB, TNC, built-in ground plane	N/A
201-990147-679	Active geodetic antenna, +36 dB, TNC, built-in ground plane	N/A
201-990146-888	Active geodetic antenna with choke ring, +12 dB, TNC	N/A
201-990147-607	Active geodetic antenna with choke ring, +26 dB, TNC	N/A
201-990147-680	Active geodetic antenna with choke ring, +36 dB, TNC	N/A
201-990147-433	Passive AVL antenna, TNC	N/A
201-990147-684	Active geodetic antenna, 4 mounting screws, +12 dB, TNC	N/A
267-990148-137	Geodetic ground plane	N/A
282-990146-889	Tripod adapter	N/A
217-601727-010	10 cm RG-316 RF adapter cable, MCX to TNC	N/A
217-601727-020	20 cm RG-316 RF adapter cable, MCX to TNC	N/A
217-601727-030	30 cm RG-316 RF adapter cable, MCX to TNC	N/A
217-601727-110	10 cm RG-174 RF adapter cable, MCX to TNC	N/A
217-601727-115	15 cm RG-174 RF adapter cable, MCX to TNC	N/A
217-601727-130	30 cm RG-174 RF adapter cable, MCX to TNC	N/A
217-601729-000	STARBOX cable with DB-25 to automotive adapter and DB-9	N/A
217-601729-001	STARBOX cable with DB-25 to automotive adapter and 2 DB-9	N/A
217-601729-002	STARBOX cable with DB-25 to automotive adapter and 3 DB-9	N/A
217-601730-105	5 m RF cable, TNC right-angle and TNC straight	217-601730-005
217-601730-110	10 m RF cable, TNC right-angle and TNC straight	N/A
217-601730-120	20 m RF cable, TNC right-angle and TNC straight	N/A
217-601730-130	30 m RF cable, TNC right-angle and TNC straight	217-601730-030
217-601730-150	50 m RF cable, TNC right-angle and TNC straight	N/A
217-601730-180	80 m RF cable, TNC right-angle and TNC straight	N/A
217-601731-000	Cable null modem, DB-9 female to DB-9 male	N/A
217-990147-593	Cable, DB-9 male to DB-9 female	N/A
244-990147-802	Converter, 220 VAC to 115 VAC	N/A
504-990147-683	AC adapter to automotive socket	40123112
217-601742-002	15 m 7-pin RS-232 SA cable with no end conn	217-601742-001
217-601742-004	15 m 7-pin RS-232 SA cable with DB-9 and auto adapter	217-601742-003