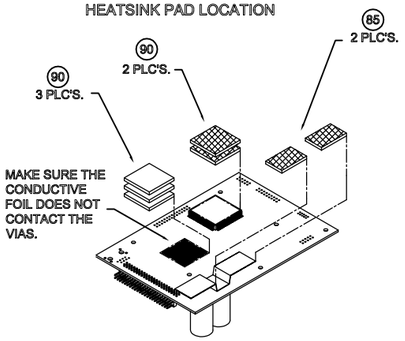
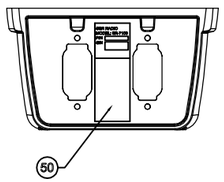
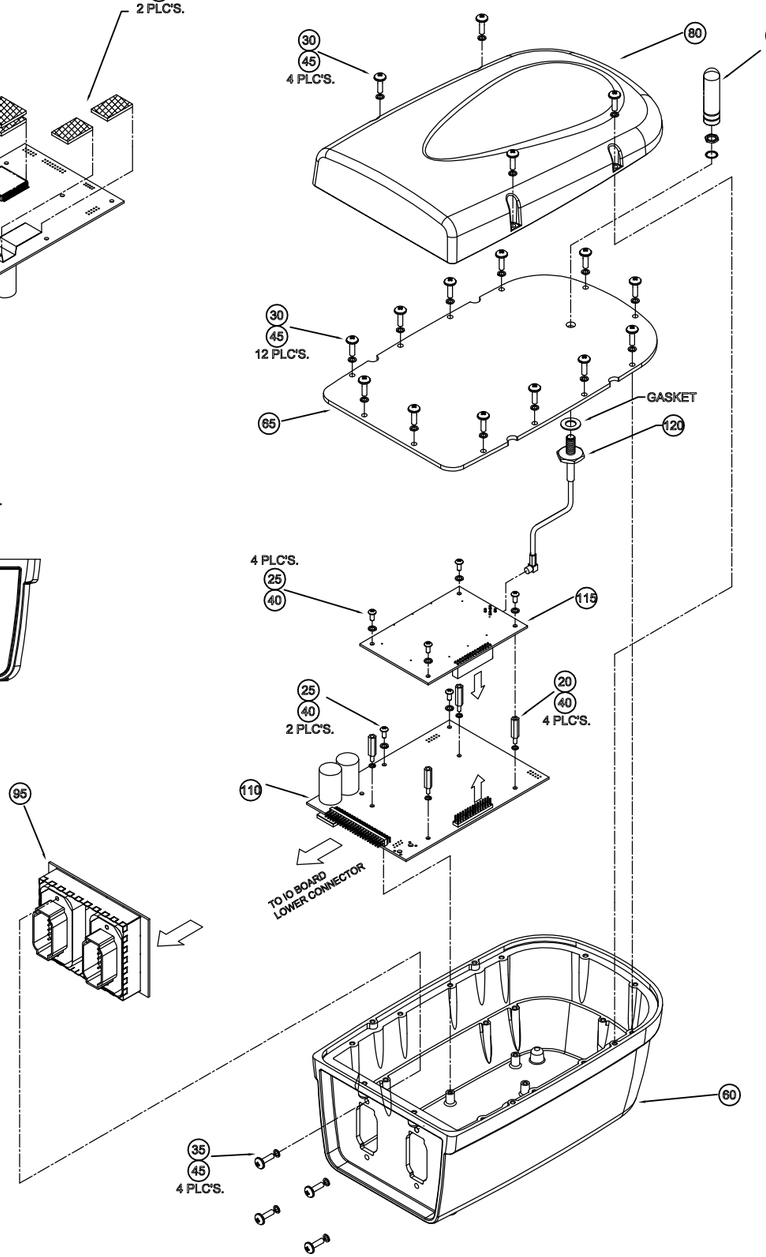
REVISIONS			
LTR	DESCRIPTION	APPROVED	DATE
1	ENGINEERING RELEASE		

DETAIL A
HEATSINK PAD LOCATION



DETAIL B
LABEL PLACEMENT





NOTES: UNLESS OTHERWISE SPECIFIED.

TORQUE SPECIFICATIONS:

#2 SCREWS:	2-2.5 INCH-POUNDS
#4 SCREWS:	5 INCH-POUNDS
#6 SCREWS:	9.5-10 INCH-POUNDS
RF CONNECTOR BULKHEAD MOUNTING NUT:	15 INCH-POUNDS

1- INSTALL THE SSR IO BOARD (95) TO THE HOUSING (60) USING 4 SELF TAPPING SCREWS (35) WITH WASHERS (45).
2- INSTALL HEATSINK PADS TO THE SOLDER SIDE OF THE DIGITAL BOARD (110). EACH PAD HAS CONDUCTIVE FOIL ON ONE SIDE. REFER TO DETAIL A.
   a) 2 PADS (90) ARE STACKED ON U43.
   b) 3 PADS (90) ARE STACKED OVER THE VIAS ON THE OPPOSITE SIDE OF U9. MAKE SURE THE CONDUCTIVE SIDE DOES NOT CONTACT THE VIAS.
   c) 1 PAD (85) IS APPLIED TO EACH FIN OF THE BRASS HEATSINK INSTALLED UNDER U32.
3- INSERT THE DIGITAL BOARD INTO THE LOWER SSR IO BOARD CONNECTOR. SECURE THE BOARD TO THE ENCLOSURE USING 2 SCREWS (25) WITH WASHERS (40) AND 4 M/F STANDOFFS (20).
4- INSERT MAIN RF CABLE (120) INTO THE RF BOARD CONNECTOR.
5- INSERT THE RF BOARD INTO THE DIGITAL BOARD CONNECTOR AND SECURE WITH 4 SCREWS (25) WITH WASHERS (40).
6- ATTACH MAIN RF CABLE (120) TO THE COVER (65) WITH GASKET, LOCKWASHER AND NUT.
7- ATTACH ANTENNA (55) TO MAIN RF CONNECTOR ON THE COVER.
8- INSTALL COVER USING 12 SCREWS (30) WITH WASHERS (45).
9- INSTALL RADOME (80) USING 4 SCREWS (30) WITH WASHERS (45).
10- APPLY FCC/PRODUCT ID LABEL (50) TO THE CONNECTOR END OF THE HOUSING. REFER TO DETAIL B.

-2001

COM1: RS232

DO NOT SCALE THIS DRAWING			ORIGINATOR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES SURFACE FINISH: 63 BREAK SHARP EDGES .015 MAX			CHECKER	
			PROJECT ENGINEER	
			PRODUCT ENGINEER	
TOLERANCES			DOCUMENT CONTROL	
FRACT ±1/64	.XX ±.010	.XXX ±.005	ANGLES ±0°30'	NEXT ASSY

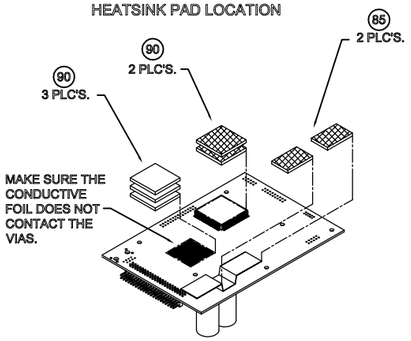
NAVCOM TECHNOLOGY, INC.
www.navcomtech.com

TITLE
ASSY DWG,
SSR RADIO NCU/REMOTE

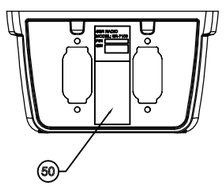
MAT'L	SIZE		DWG NO.	REV
SEE BOM: 92-210021-2001	B	SSR	92-210021	1
FINISH	SCALE: NONE	WEIGHT	SHEET 1/2	

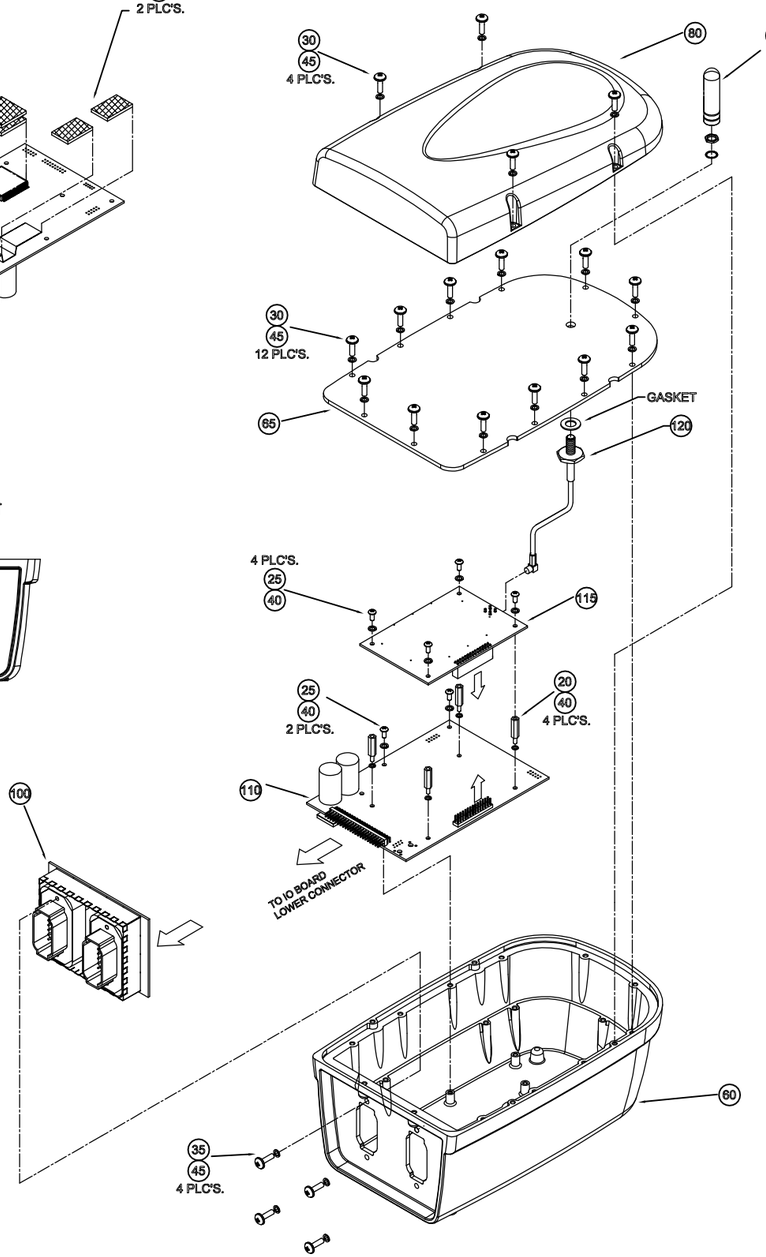
REVISIONS			
LTR	DESCRIPTION	APPROVED	DATE
1	ENGINEERING RELEASE		

DETAIL A
HEATSINK PAD LOCATION



DETAIL B
LABEL PLACEMENT





NOTES: UNLESS OTHERWISE SPECIFIED.

TORQUE SPECIFICATIONS:

#2 SCREWS:	2-2.5 INCH-POUNDS
#4 SCREWS:	5 INCH-POUNDS
#6 SCREWS:	9.5-10 INCH-POUNDS
RF CONNECTOR BULKHEAD MOUNTING NUT:	15 INCH-POUNDS

1- INSTALL THE SSR IO BOARD (100) TO THE HOUSING (60) USING 4 SELF TAPPING SCREWS (35) WITH WASHERS (45).
2- INSTALL HEATSINK PADS TO THE SOLDER SIDE OF THE DIGITAL BOARD (110). EACH PAD HAS CONDUCTIVE FOIL ON ONE SIDE. REFER TO DETAIL A.
   a) 2 PADS (90) ARE STACKED ON U43.
   b) 3 PADS (90) ARE STACKED OVER THE VIAS ON THE OPPOSITE SIDE OF U9. MAKE SURE THE CONDUCTIVE SIDE DOES NOT CONTACT THE VIAS.
   c) 1 PAD (85) IS APPLIED TO EACH FIN OF THE BRASS HEATSINK INSTALLED UNDER U32.
3- INSERT THE DIGITAL BOARD INTO THE LOWER SSR IO BOARD CONNECTOR. SECURE THE BOARD TO THE ENCLOSURE USING 2 SCREWS (25) WITH WASHERS (40) AND 4 M/F STANDOFFS (20).
4- INSERT MAIN RF CABLE (120) INTO THE RF BOARD CONNECTOR.
5- INSERT THE RF BOARD INTO THE DIGITAL BOARD CONNECTOR AND SECURE WITH 4 SCREWS (25) WITH WASHERS (40).
6- ATTACH MAIN RF CABLE (120) TO THE COVER (65) WITH GASKET, LOCKWASHER AND NUT.
7- ATTACH ANTENNA (55) TO MAIN RF CONNECTOR ON THE COVER.
8- INSTALL COVER USING 12 SCREWS (30) WITH WASHERS (45).
9- INSTALL RADOME (80) USING 4 SCREWS (30) WITH WASHERS (45).
10- APPLY FCC/PRODUCT ID LABEL (50) TO THE CONNECTOR END OF THE HOUSING. REFER TO DETAIL B.

-2002

COM1: ETHERNET

DO NOT SCALE THIS DRAWING			ORIGINATOR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES SURFACE FINISH: 63 BREAK SHARP EDGES .015 MAX			CHECKER	
			PROJECT ENGINEER	
			PRODUCT ENGINEER	
TOLERANCES			DOCUMENT CONTROL	
FRACT ±1/64	.XX ±.010	.XXX ±.005	ANGLES ±0°30'	NEXT ASSY

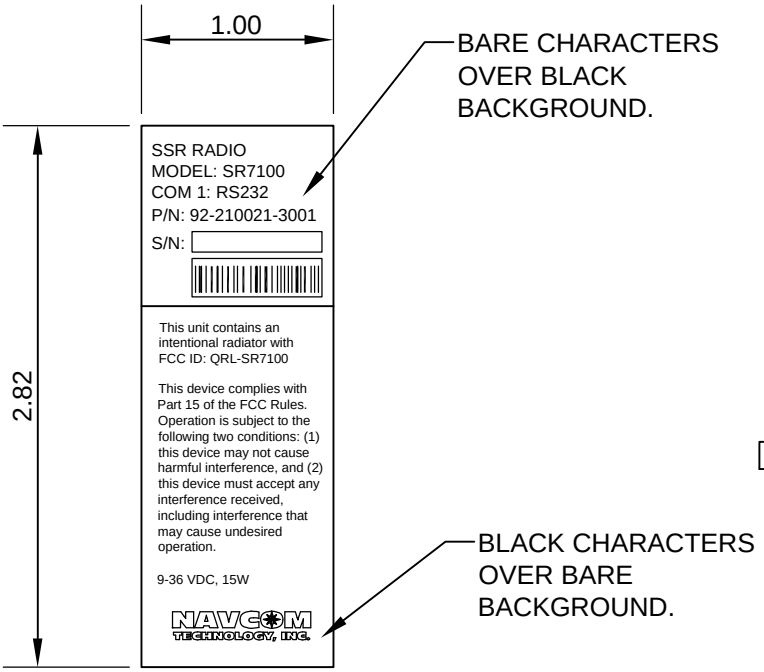
NAVCOM TECHNOLOGY, INC.
www.navcomtech.com

TITLE
ASSY DWG,
SSR RADIO NCU/REMOTE

MAT'L: SEE BOM: 92-210021-2002	SIZE: B	DWG NO.: 92-210021	REV: 1
FINISH	SSR	SCALE: NONE	WEIGHT: SHEET 2/2

REVISIONS			
LTR	DESCRIPTION	APPROVED	DATE
A	PRODUCTION RELEASE		

-3001 SHOWN



CONFIGURATION CHART	
DASH NO.	ARTWORK P/N
-3001	AW-75-130002-3001
-3002	AW-75-130002-3002
-3003	AW-75-130002-3003
-3004	AW-75-130002-3004
-3005	AW-75-130002-3005
-3006	AW-75-130002-3006
5 -3XXX	AW-75-130002-3XXX

PRELIMINARY
DO NOT FABRICATE PARTS TO THIS PRINT.

NOTES: UNLESS OTHERWISE SPECIFIED

1- LABELS ARE TO BE SERIALIZED PER PURCHASE ORDER INSTRUCTIONS.
2- BAR CODE MUST INDICATE SERIAL NUMBER INFORMATION.
3- SERIAL NUMBER AND BAR CODE TO BE PRINTED USING BLACK CHARACTERS OVER BARE ALUMINUM WINDOWS.
4- LABELS SHALL BE FABRICATED PER ARTWORK AW-75-130002-3XXX WHERE THE -3XXX SHALL MATCH WITH THAT OF 75-130002-3XXX.
5 ADDITIONAL CONFIGURATIONS MAY BE ADDED. ARTWORK PART NUMBER SHALL FOLLOW SAME SEQUENCE.
6- INK USED FOR THE PRINTING PROCESS MUST BE PERMANENT.
7- LABELS ARE TO BE ORDERED SEQUENTIALLY BY SERIAL NUMBER. PACKAGING TO IDENTIFY BEGINNING AND ENDING SERIAL NUMBERS, AND NAVCOM PART NUMBERS.

DO NOT SCALE THIS DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
SURFACE FINISH: 63
BREAK SHARP EDGES .015 MAX

TOLERANCES			
FRACT ±1/64	.XX ±.010	.XXX ±.005	ANGLES ±0°30'

ORIGINATOR	
CHECKER	
PROJECT ENGINEER	
PRODUCT ENGINEER	
DOCUMENT CONTROL	
NEXT ASSY	

NAVCOM TECHNOLOGY, INC.
www.navcomtech.com

TITLE
PRODUCT LABEL, SSR, FCC ID & S/N

MAT'L: ALUMINUM ALLOY 1100-H14-020 0.005" THICK WITH 9472LE 3M ADHESIVE 0.005"THICK.

FINISH: SATIN SURFACE

SIZE		DWG NO.	REV
A	SSR	75-130002	A

SCALE: 1/1	WEIGHT	SHEET 1 OF 1