

PROPRIETARY NOTICE
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NOTICE
FREEDOM OF INFORMATION ACT (5 USC 552) AND
DISCLOSURE OF CONFIDENTIAL INFORMATION GENERALLY
(18 USC 1905)
THIS DOCUMENT IS BEING FURNISHED IN CONFIDENCE BY HONEYWELL INC. THE INFORMATION DISCLOSED HEREIN FALLS WITHIN EXEMPTION (b) (4) OF 5 USC 552 AND THE PROHIBITIONS OF 18 USC 1905.

DWG NO.		7510706		REV		REVISIONS		DATE		APPROVED	
AK		REV		THRU AJ TO MAKE ROOM FOR NEW REVISIONS. SEE MICROFILM FOR PREVIOUS REVISION HISTORY. SH 10X REV.		107448(B)		03DEC98		N. HAWK	
AL		REV		-B50 VAR. -B50 VAR CONVERTED TO SIMILAR FORMAT FOR SALE TO L-3 ACSS. SH 10X REV. 26321A (NA)		26321A (NA)		28 Aug 01		B. BURKE	

- NOTES:
(UNLESS OTHERWISE SPECIFIED):
- ALL DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETERS.
 - UNIT WEIGHT (SEE UNIT WEIGHT TABLE), WEIGHT TOLERANCE $\pm .20$ LBS.
 - WHEN INSTALLING MOUNT ON A FLAT SURFACE (SEE DETAIL F, SHEET 4) USE SPACER KIT 7510351-901 TO ALLOW REMOVAL OF RADIO FROM MOUNTING TRAY.
 - FOR CONNECTOR PART NUMBERS AND APPROVED RF CABLE, SEE RF CONNECTOR PART NUMBER TABLE. WHEN 7500335-10 IS USED FOR J2 AND J6, CONNECTORS J4, J7, P1 AND P2 ARE NOT REQUIRED.
 - TO ASSURE PROPER GROUNDING OF THIS SYSTEM, THE AIRCRAFT SURFACE TO WHICH ALL MOUNTINGS OR UNITS ARE ATTACHED MUST BE CLEAN BARE METAL. MOUNT TO AIRCRAFT RESISTANCE SHALL BE 2.5 MILLIOHMS MAX. WITHOUT WIRING INSTALLED.
 - STRAP BUS MOUNTED ON MOUNT SHOWN, FOR REMOTE MOUNTED STRAP BUS SEE DETAIL E AND WIRE LIST (REMOTE MOUNTED).
 - DENOTES APPROXIMATE CENTER OF GRAVITY.
 - FOR ASSEMBLIES, KITS AND ACCESSORIES SEE:
7510707 SYSTEM LIST
7510359 CONNECTOR KIT
 - SEE TRANSPONDER RF CABLE LENGTHS TABLE FOR CABLE LENGTH REQUIRED FOR 2dB $\pm$ 1dB INSERTION LOSS.
 - SECURE THUMB NUTS USING LOCKING WIRE 2 PLACES.
 - MAXIMUM RECOMMENDED TIGHTENING TORQUE 32 IN.-LBS.
 - CONNECTORS J1, J2, J3, J5 AND J6 MUST FLOAT. ALLOW 6 INCHES MIN OF CABLE LENGTH FROM REAR OF CONNECTORS J1, J2, J3, J5 AND J6 TO ANY CABLE CLAMPING DEVICE.
 - HOLE AND CONNECTOR ARE OMITTED ON 7510700-803 (RCZ-851A) UNITS AND 7510814-802, 7510814-911 MT-852 MOUNTS. CONNECTOR IS OMITTED ON 7510700-804 (RCZ-851C) AND 7510700-864 (RCZ-833C).
 - ALL INTEGRATED COMMUNICATIONS UNIT SHALL MEET THE LIGHTNING REQUIREMENTS AT THE AIRCRAFT LEVEL (REF: FAA AC20-136).

UNIT WEIGHT AND SHEET NUMBER TABLE				
UNIT PART NO.	MODEL NO.	LBS	(KG)	SEE SHEETS
7510700-901	RCZ-850	10.50	4.77	1 THRU 8
7510700-902	RCZ-850A	10.50	4.77	1 THRU 8
7510700-801	RCZ-851	10.50	4.77	1 THRU 8
7510700-803	RCZ-851A	8.30	3.76	1 THRU 8
7510700-802	RCZ-851B	11.30	5.13	9 THRU 11
7510700-804	RCZ-851C	8.00	3.63	1 THRU 8
7510700-805	RCZ-851D	10.50	4.77	1 THRU 8
7510700-806	RCZ-851E	11.00	4.99	9 THRU 11
7510700-807	RCZ-851F	11.00	4.99	9 THRU 11
7510700-808	RCZ-851G	11.00	4.99	9 THRU 11
7510700-809	RCZ-851H	8.50	3.86	9 THRU 11
7510700-853	RCZ-853	6.90	3.13	12 THRU 14
7510700-720	RCZ-854A	11.43	5.18	9 THRU 11
7510700-726	RCZ-854E	11.13	5.05	9 THRU 11
7510700-826	RCZ-854E	11.00	4.99	9 THRU 11
7510700-727	RCZ-854F	11.13	5.05	9 THRU 11
7510700-827	RCZ-854F	11.00	4.99	9 THRU 11
7510700-728	RCZ-854G	11.13	5.05	9 THRU 11
7510700-828	RCZ-854G	11.00	4.99	9 THRU 11
7510700-729	RCZ-854H	8.63	3.91	9 THRU 11
7510700-829	RCZ-854H	8.50	3.86	9 THRU 11
7510700-861	RCZ-831	10.63	4.82	1 THRU 8
7510700-762	RCZ-833B	11.43	5.18	9 THRU 11
7510700-862	RCZ-833B	11.43	5.18	9 THRU 11
7510700-864	RCZ-833C	8.13	3.69	1 THRU 8
7510700-865	RCZ-833D	10.63	4.82	1 THRU 8
7510700-766	RCZ-833E	11.13	5.05	9 THRU 11
7510700-866	RCZ-833E	11.13	5.05	9 THRU 11
7510700-767	RCZ-833F	11.13	5.05	9 THRU 11
7510700-867	RCZ-833F	11.13	5.05	9 THRU 11
7510700-768	RCZ-833G	11.13	5.05	9 THRU 11
7510700-868	RCZ-833G	11.13	5.05	9 THRU 11
7510700-769	RCZ-833H	8.63	3.91	9 THRU 11
7510700-869	RCZ-833H	8.63	3.91	9 THRU 11
7510700-833	RCZ-833	6.90	3.13	12 THRU 14

RF CONNECTOR PART NUMBERS

MOUNT CONNECTOR REF DESIGNATION	RF CABLE USED					
	RG-58C/U	RG-142/U, RG-142A/U, RG-142B/U, RG-400/U, OR TIMES AA6343	RG-214/U OR RG-225/U	RAYCHEM 5020A3311	HONEYWELL APPROVED 50 Ω COAX CABLE	ECS 311201
J2	7500335-11	7500335-18 OR 7500335-19	7500335-10	7500335-17	7500335-20	7500335-21
J3	7500335-11	7500335-18 OR 7500335-19	N/A	7500335-17	7500335-20	N/A
J4, J7	7500631-1	7500631-1	N/A	7500621-2	CUSTOMER SUPPLIED	N/A
P1, P2	N/A	N/A	4008064	N/A	CUSTOMER SUPPLIED	N/A

TRANSPONDER RF CABLE LENGTHS

CABLE TYPE	CABLE LENGTH (MIN/MAX)	MOUNT CONNECTORS J4 AND P1
RG-214/U	10FT/25FT	USED
RG-225/U	13FT/34FT	OMIT
ECS 311201	14FT/48FT	
RG-142/U, RG-142A/U, RG-142B/U, RG-400/U OR TIMES AA6343	7FT/16FT	
RAYCHEM 5020A3311	5FT/15FT	

FOR HONEYWELL REFERENCE		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES: TOLERANCES:	
MFG REF NO.		MATERIAL PROCESS-FINISH		MATERIAL, PROCESS, FINISH, SEE 00.40.	
OPA NO. R-0621		MILITARY DESIGNATION		ITEM CODE (PER E8699384)	
PRODUCT LINE NO. 3851		MATERIAL		THIRD ANGLE PROJECTION	
AW/PS ANALYSIS EB 7510800		PROCESS		DWG CLASS A	
REF DWG		FINISH		FIRST USED ON 7510700	
REF SPEC					
7510814	7510814				
7510700	7510700				
NEXT ASSY	USED ON (SYS)				
APPLICATION					

CONTRACT RCZ-850/851 AND MT-852		OPERATIONAL NOTE	
DRAWN BY A. WHIDDEN		DATE 3 FEB 87	
DESIGNED BY J. E. GHER		DATE 3 FEB 87	
CHECKED BY L. BURNETT		DATE 3 FEB 87	
APVD FOR MFG		DATE	
APVD FOR QE		DATE	
APVD FOR ENGRG A. METZGER		DATE 3 FEB 87	
APVD FOR ENGRG		DATE	
APVD FOR		DATE	
Honeywell		COMMERCIAL FLIGHT SYSTEMS GROUP PHOENIX, ARIZONA	
TITLE		OUTLINE AND INSTALLATION RCZ-8XX AND MT-8XX	
SIZE/CAGE CODE D155939		DRAWING NO. 7510706	
SCALE 1/1		SHEET 1 OF 14	

REVISIONS					REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED	ZONE	REV	DESCRIPTION	DATE	APPROVED
	AB	SH NOTE WAS THIS --- B05, 901 AND 902. 92363 (NA)	01MAR96	T. EUROPA 20FEB96 BEGAY JI		A	ADD THIS SHEET. 85671 (N/A)	10OCT87	G. GIER AW
	AE	RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-B01, 803, 804, 805, 861, 863, 864, 865, 901 AND 902. 96448 (M)	17APR87	T. EUROPA 11APR87 HAYWOOD CB		B	UPDTD DIMENSIONS. 106334 (N/A)	7APR88	G. GIER RE
D1,2	AH	VIEW: GUIDE --- RCZ-851D CALLOUT WAS GUIDE --- FOR RCZ-850, --- RCZ-851D. 97773 (NA)	21NOV88 Haywood	Haywood CB		C	UPDTD VIEWS AND DIMENSIONS. 18802 (NA)	15MAY88	T. EUROPA RE
						D	ADD P/NS FOR P1, P2, P3. 02756 (NA)	22SEP88	T. EUROPA AW
					B-D2	J	VIEW: ADD GUIDE PIN CALLOUT AND DIM .250. MODE 5 CALLOUT ADD NOTE 16 (REF) 45208 (NA)	14AUG90	T. EUROPA 6AUG90 BEILER JW
					A1,2	L	ADD SHEET NOTE. 42882 (NA)	15AUG91	T. EUROPA 15AUG91 JURGENS JW
					D2	M	VIEW: GUIDE PIN --- RCZ-851D WAS GUIDE --- RCZ-851 AND RCZ-851C. SH NOTE WAS THIS --- B04 AND 901 FOR --- 10. 111025 (NA)	13NOV91	J. HOWELL 17OCT91 BARLOW BJ
						N	SH NOTE WAS THIS --- AND 902 FOR 7510700 -B02 SEE SHEETS 9 AND 10. 56874 (B)	15MAY92	J. HOWELL 15MAY92 BARLOW BJ

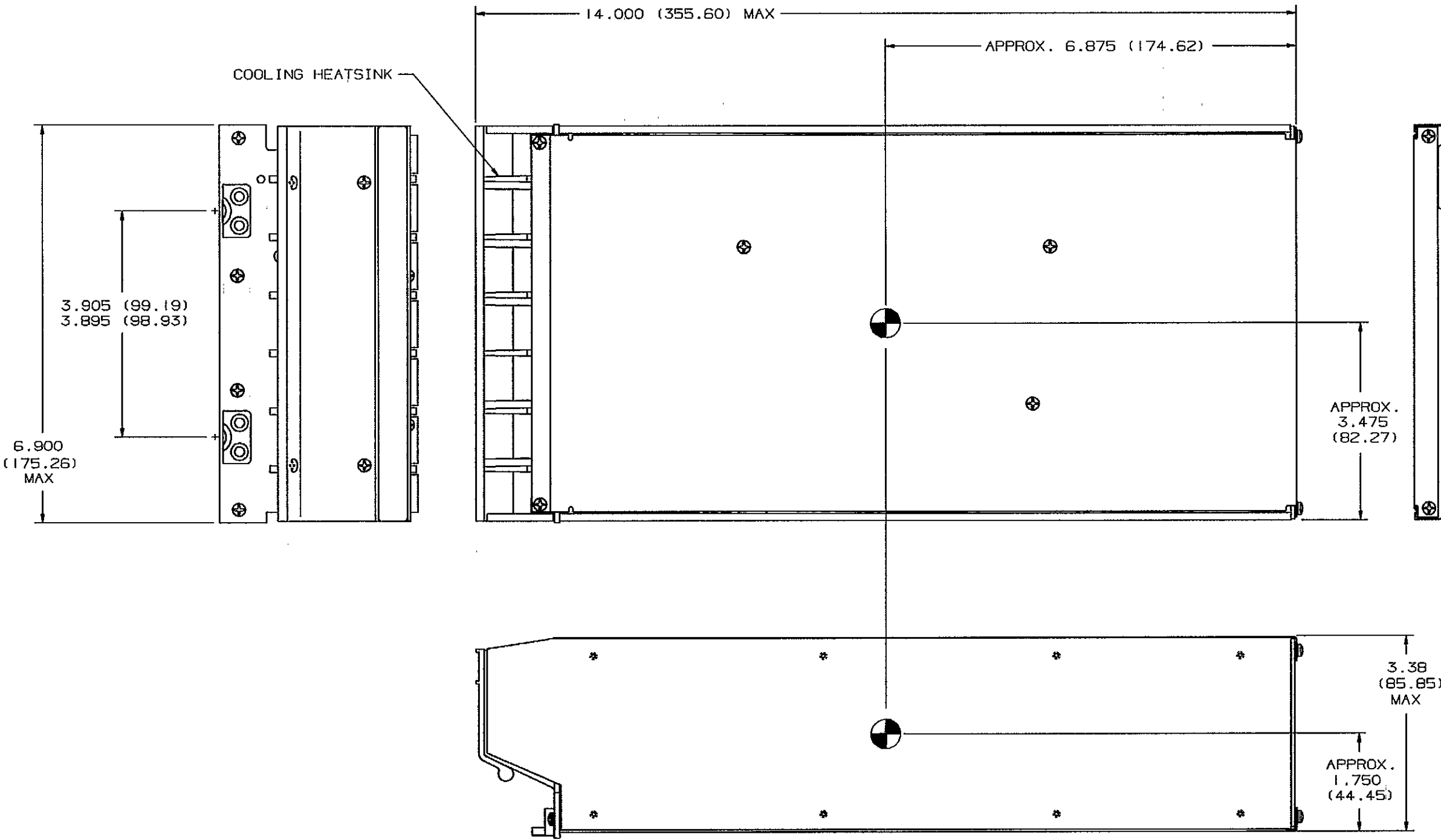
D

C

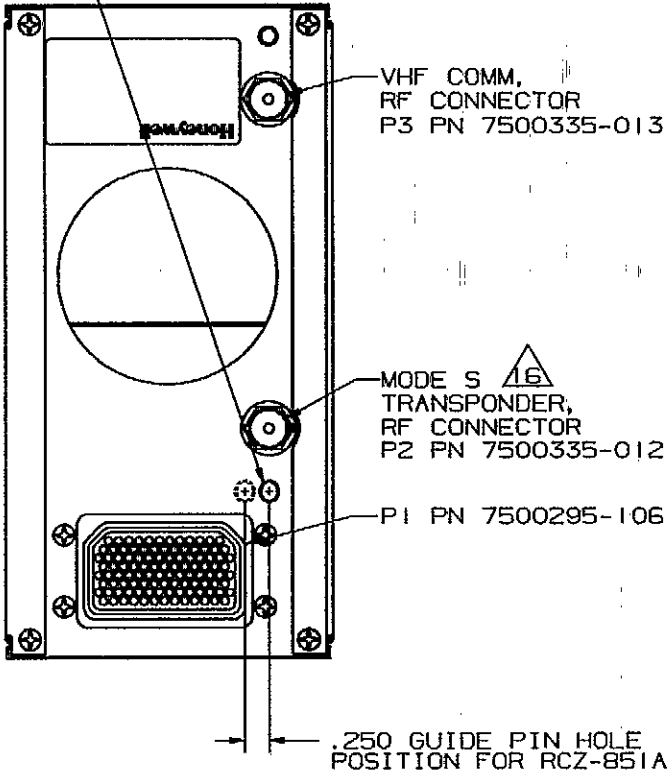
B

A

COOLING HEATSINK



GUIDE PIN HOLE POSITION FOR RCZ-831, RCZ-833C, RCZ-833D, RCZ-850, RCZ-850A, RCZ-851, RCZ-851C AND RCZ-851D



8840A Apr 22, 1998 10:17 MS

Honeywell

SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.

SIZE/CAGE CODE
D 55939

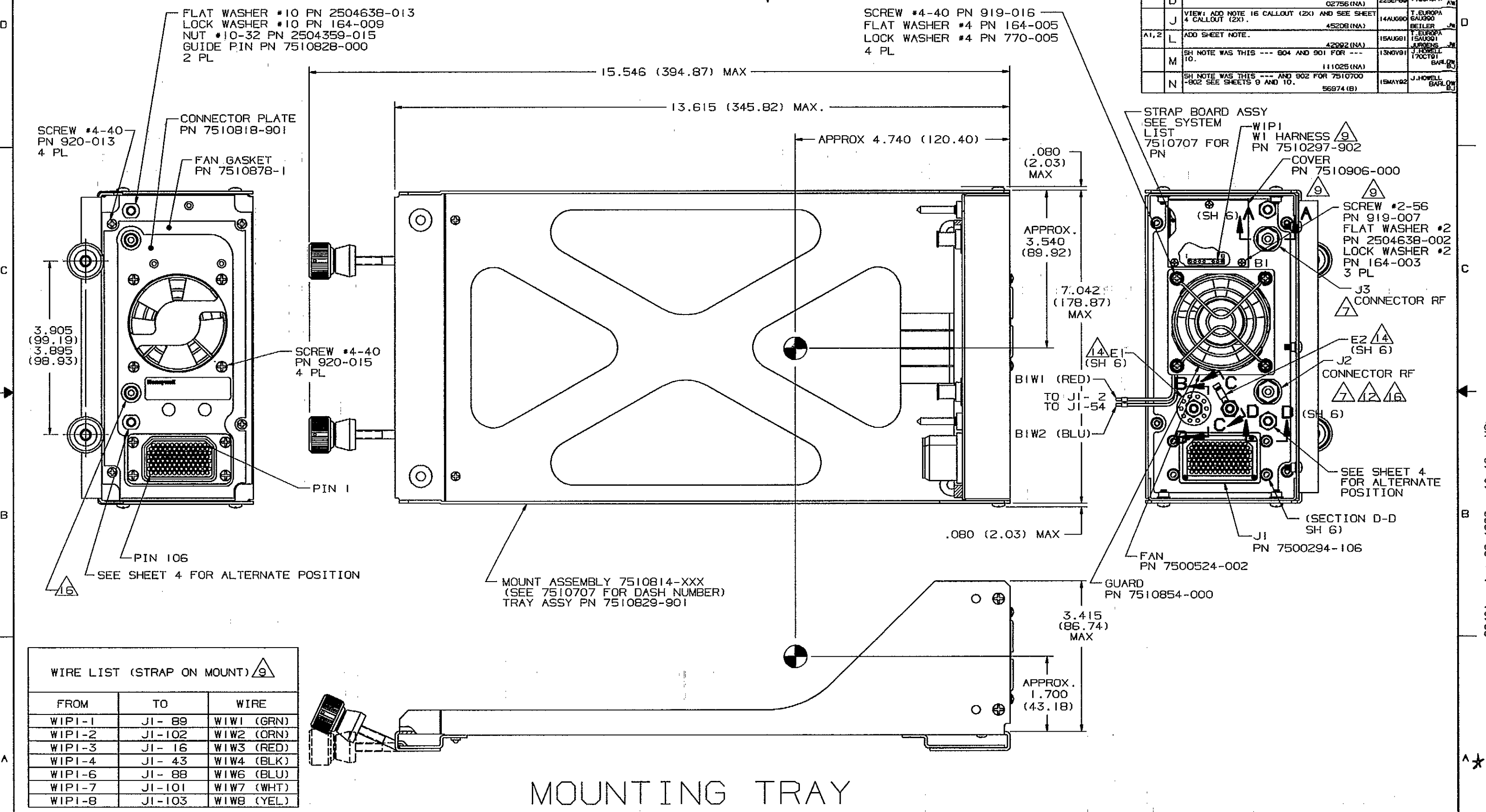
DRAWING NO.
7510706

SCALE 1/1

REV
AH

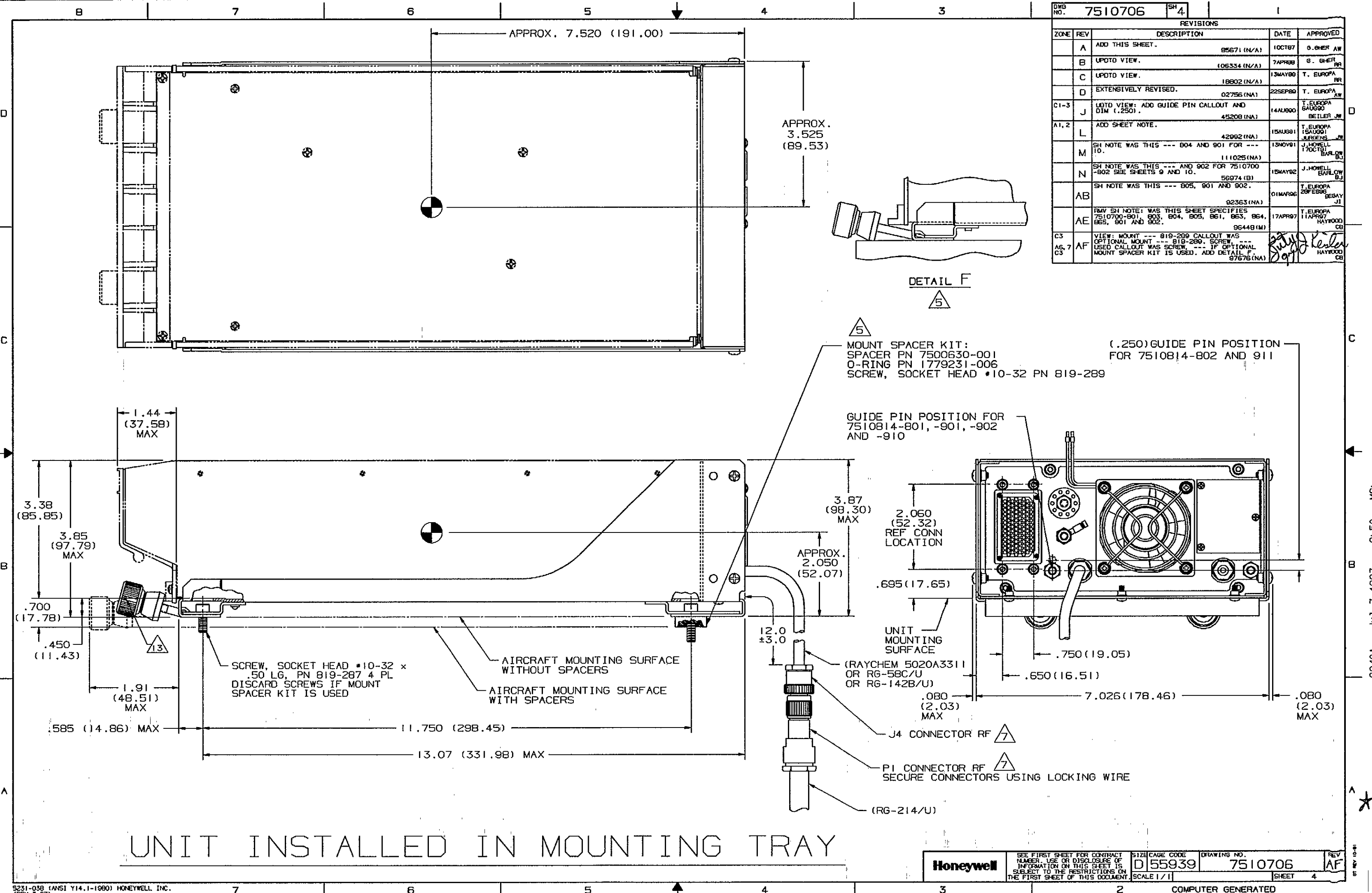
SHEET 2

REV 3				REV 3				REV 3			
ZONE	REV	DESCRIPTION	DATE	APPROVED	ZONE	REV	DESCRIPTION	DATE	APPROVED	ZONE	REV
AE		RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-901, 903, 904, 905, 906, 907, 908, 909, 910 AND 902.	17APR97	T.EUROPA 11/11/97 HAYWOOD CB	AB		SH NOTE WAS THIS --- 905, 901 AND 902.	01MAR96	T.EUROPA 20/03/96 BEGAY JI	A	
BI		VIEW: (SECTION D-D SH 6) CALLOUT WAS (SECTION C-C SH 6).	97773 (NA)	97773 (NA)	AD		VIEW: MOUNT --- 7510829-901 CALLOUT WAS MOUNT PN 7510829-901.	18OCT96	T.EUROPA 10/01/96 HAYWOOD CB	B	
										C	
										D	
										J	
										A1,2	
										M	
										N	



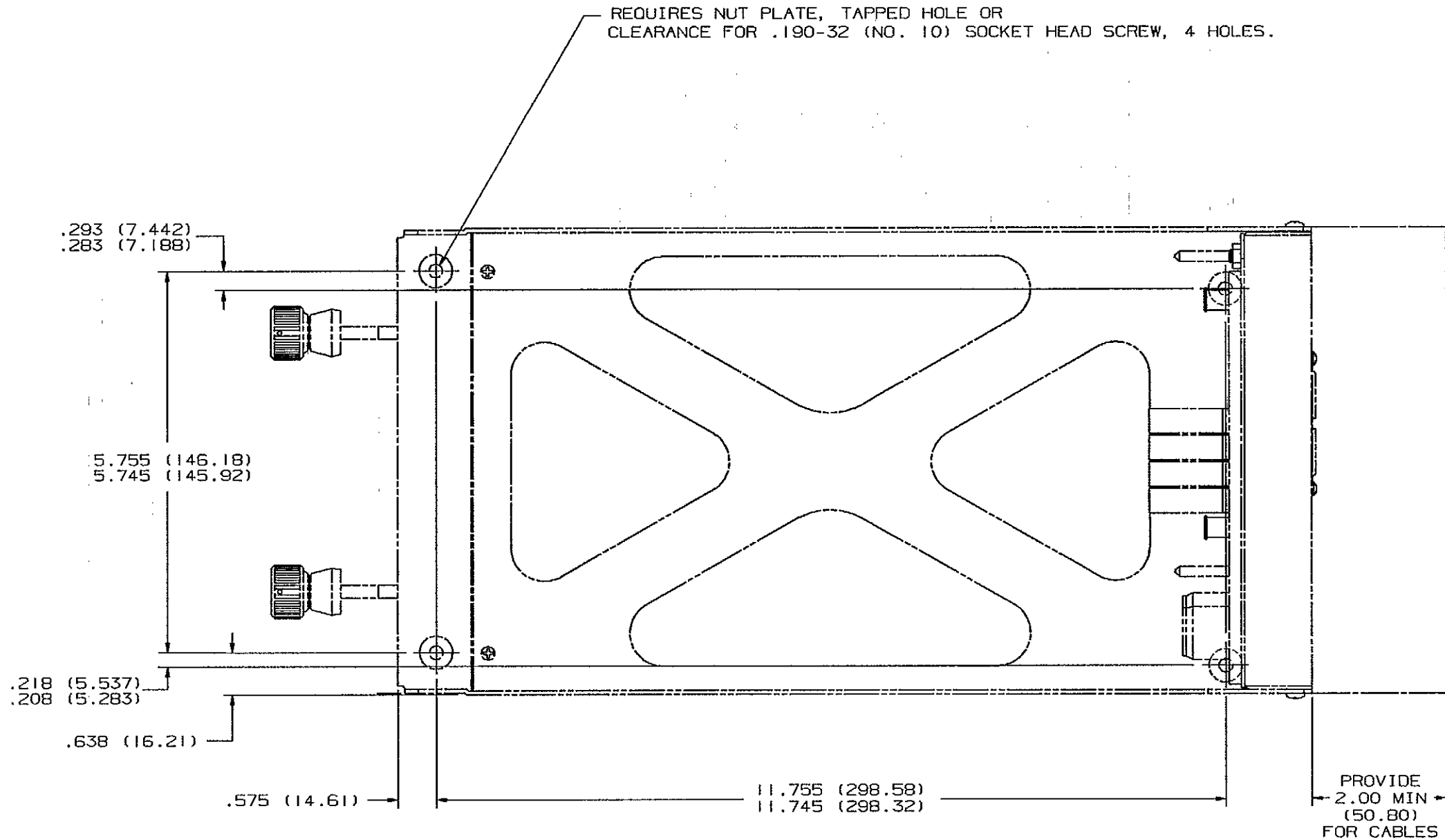
WIRE LIST (STRAP ON MOUNT) 9		
FROM	TO	WIRE
WIPI-1	J1- 89	WIW1 (GRN)
WIPI-2	J1-102	WIW2 (ORN)
WIPI-3	J1- 16	WIW3 (RED)
WIPI-4	J1- 43	WIW4 (BLK)
WIPI-6	J1- 88	WIW6 (BLU)
WIPI-7	J1-101	WIW7 (WHT)
WIPI-8	J1-103	WIW8 (YEL)

MOUNTING TRAY

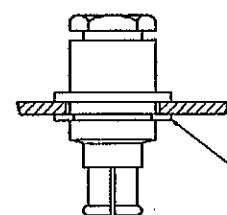


DWG NO. 7510706		SH 4	REVISONS	
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	ADD THIS SHEET. 85671 (N/A)	10CT87	G. OHER AW
	B	UPD TO VIEW. 106334 (N/A)	7APR88	G. OHER AW
	C	UPD TO VIEW. 18802 (N/A)	13MAY88	T. EUROPA AW
	D	EXTENSIVELY REVISED. 02756 (NA)	22SEP88	T. EUROPA AW
C1-3	J	UPD TO VIEW: ADD GUIDE PIN CALLOUT AND DIM (.250). 45208 (NA)	14AUG90	T. EUROPA SAUG90 BEILER JW
A1,2	L	ADD SHEET NOTE. 42992 (NA)	15AUG91	T. EUROPA SAUG91 JURGENSE JW
	M	SH NOTE WAS THIS --- 804 AND 901 FOR --- 10. 111025 (NA)	13NOV91	J. HOWELL 17OCT91 BARLOW BJ
	N	SH NOTE WAS THIS --- AND 902 FOR 7510700 -802 SEE SHEETS 9 AND 10. 56974 (B)	15MAY92	J. HOWELL BARLOW BJ
	AB	SH NOTE WAS THIS --- 805, 901 AND 902. 92363 (NA)	01MAR96	T. EUROPA 26FEB96 BEGAY JI
	AE	RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-801, 803, 804, 805, 861, 863, 864, 865, 901 AND 902. 96448 (M)	17APR97	T. EUROPA 11APR97 HAYWOOD CB
C3	AF	VIEW: MOUNT --- 819-289 CALLOUT WAS OPTIONAL MOUNT --- 819-289. SCREW --- USED CALLOUT WAS SCREW, --- IF OPTIONAL MOUNT SPACER KIT IS USED. ADD DETAIL F. 97676 (NA)		

DWG NO.	7510706	SH 5	1	
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	A	ADD THIS SHEET. 85671 (N/A)	10CT87	G. GHER AW
	B	UPDTD VIEW AND DIMENSIONS. 106334 (N/A)	7APR88	G. GHER RR
	C	UPDTD VIEW AND DIMENSIONS. 18602 (N/A)	15MAY89	T. EUROPA RR
	D	UPDTD VIEW. 02756 (NA)	22SEP89	T. EUROPA AW
A1,2	L	ADD SHEET NOTE. 42992 (NA)	15AUG91	T. EUROPA 15AUG91 JURGENS JW
	M	SH NOTE WAS THIS --- 804 AND 901 FOR --- 10. 111025 (NA)	13NOV91	J. HOWELL 17OCT91 BARLOW BJ
	N	SH NOTE WAS THIS --- AND 902 FOR 7510700 -802 SEE SHEETS 9 AND 10. 56974 (B)	15MAY92	J. HOWELL BARLOW BJ
	AB	SH NOTE WAS THIS --- 805, 901 AND 902. 92363 (NA)	01MAR96	T. EUROPA 28FEB96 BEGAY JI
	AE	RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-801, 803, 804, 805, 861, 863, 864, 865, 901 AND 902. 96448 (M)	17JUN97	<i>[Signature]</i> HAYWOOD CB



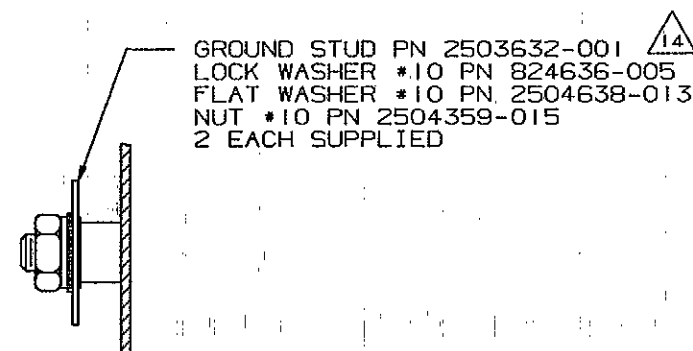
MOUNTING TRAY HOLE PATTERN



RETAINING RING
PN 493-18

SECTION A-A (SH 3)

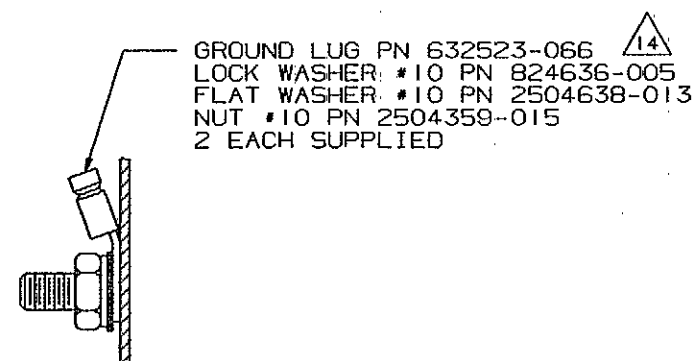
SCALE: 2/1
(J2 AND J3)



GROUND STUD PN 2503632-001
LOCK WASHER #10 PN 824636-005
FLAT WASHER #10 PN 2504638-013
NUT #10 PN 2504359-015
2 EACH SUPPLIED

SECTION B-B (SH 3)

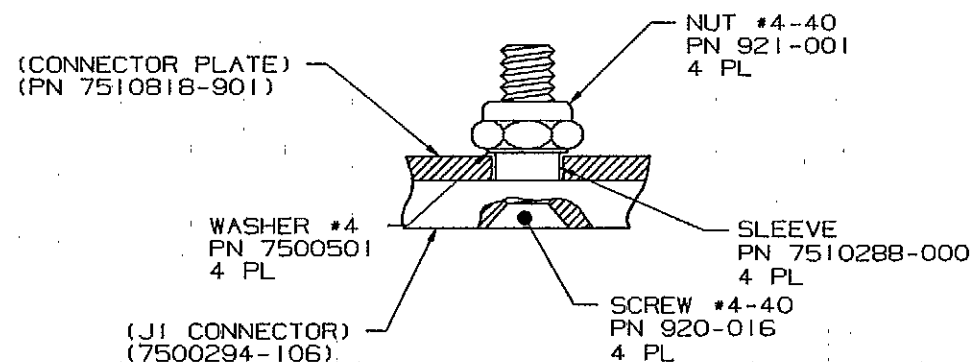
SCALE: 2/1
OPTIONAL 2 PL (E1 AND E2)



GROUND LUG PN 632523-066
LOCK WASHER #10 PN 824636-005
FLAT WASHER #10 PN 2504638-013
NUT #10 PN 2504359-015
2 EACH SUPPLIED

SECTION C-C (SH 3)

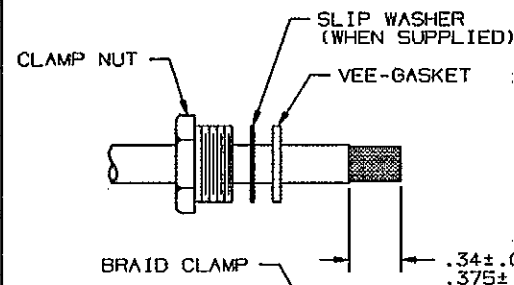
(ROTATED 30° CLOCKWISE)
SCALE: 2/1
OPTIONAL 2 PL (E1 AND E2)



SECTION D-D (SH 3)

SCALE: 2/1

ASSEMBLY INSTRUCTIONS
FOR 7510631-001, 4008064-000,
AND 7500631-002



1. CUT CABLE END SQUARE, PLACE CLAMP NUT, SLIP WASHER (WHEN SUPPLIED), AND GASKET OVER JACKET. REMOVE JACKET TO DIMENSION SHOWN.

2. COMB OUT BRAID AND TAPER FORWARD. PLACE BRAID CLAMP OVER BRAID AGAINST JACKET CUT.

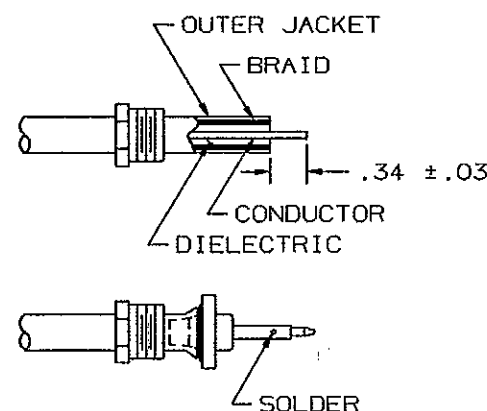
3. FOLD BRAID BACK OVER BRAID CLAMP AND TRIM AS SHOWN. REMOVE DIELECTRIC TO DIMENSION SHOWN. CUT CENTER CONDUCTOR TO DIMENSION SHOWN.

4. SOLDER CONTACT TO CENTER CONDUCTOR.

5. THREAD ASSEMBLY INTO CONNECTOR AND LOCK SECURELY. VEE-GASKET MUST BE SPLIT BY BRAID CLAMP.

ASSEMBLY INSTRUCTIONS

FOR 7500335-011



CLEANLY CUT OUTER JACKET, BRAID, AND DIELECTRIC (PRIMARY INSULATION), EXPOSING CENTER CONDUCTOR $.34 \pm .03$ AS SHOWN. SLIDE CABLE NUT ONTO CABLE.

INSERT CENTER CONDUCTOR INTO CONTACT ASSEMBLY AND FORCE THE EDGE OF THE TAPERED CLAMPING SLEEVE BETWEEN THE BRAID AND THE DIELECTRIC (PRIMARY INSULATION). DIELECTRIC AND CENTER CONDUCTOR SLIDE INTO TAPERED CLAMPING SLEEVE WHILE BRAID AND OUTER JACKET SHOULD RIDE WELL UP ON TAPER. SOLDER CENTER CONDUCTOR TO CONTACT.

INSERT CONTACT SUB-ASSEMBLY INTO CONNECTOR BODY, TIGHTEN CABLE NUT INTO BODY, COMPRESSING OUTER JACKET INTO BRAID.

SCALE: NONE

DWG NO.		7510706	SH 6	1
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVE
	A	ADD THIS SHEET.	05671 (N/A)	10CT87 J. OHER
	C	UPDTE SECTIONS AND ASSEMBLY INSTRUCTIONS.	15MAY89	T. EUROPA
	D	EXTENSIVELY REVISED.	02756 (NA)	22SEP89 T. EUROPA
	N	ADD SHEET NOTE.	56974 (B)	15MAY82 J. HOWELL BARL
	AB	SH NOTE WAS THIS --- 805, 901 AND 902.	92363 (NA)	01MARG6 T. EUROPA 28 FEB89 BEG
	AE	RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-801, 803, 804, 805, 861, 863, 864, 865, 901 AND 902.	96449 (M)	17 OCT 91 HAYWOOD CB

Honeywell

SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.

SIZE/CAGE CODE
D 55939

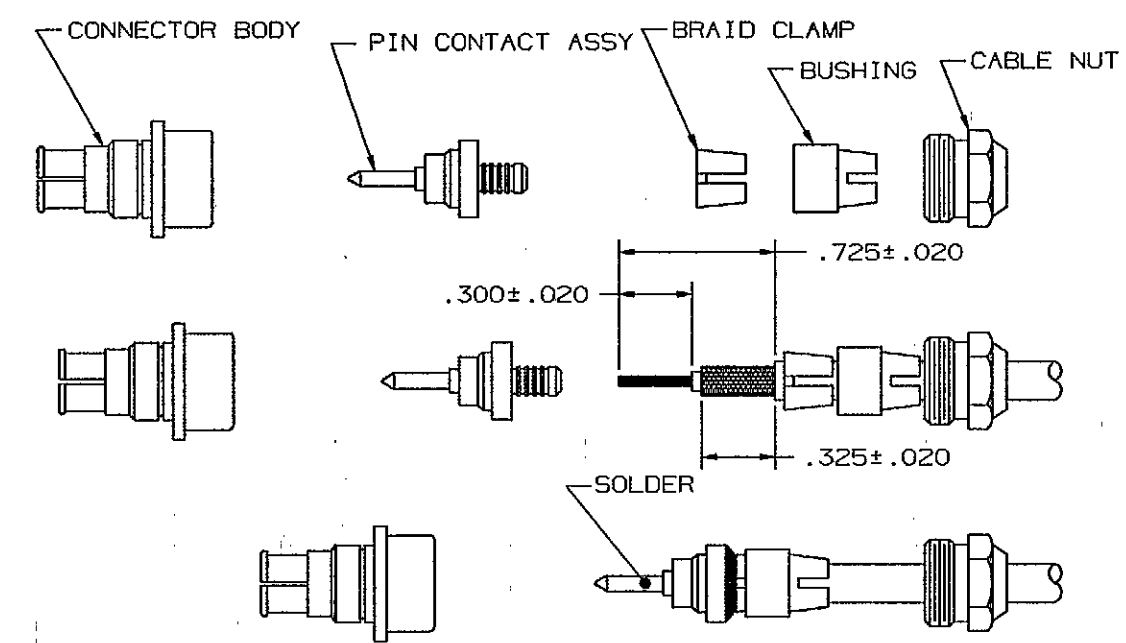
DRAWING NO.
7510706

REV
AE

COMPUTER GENERATED

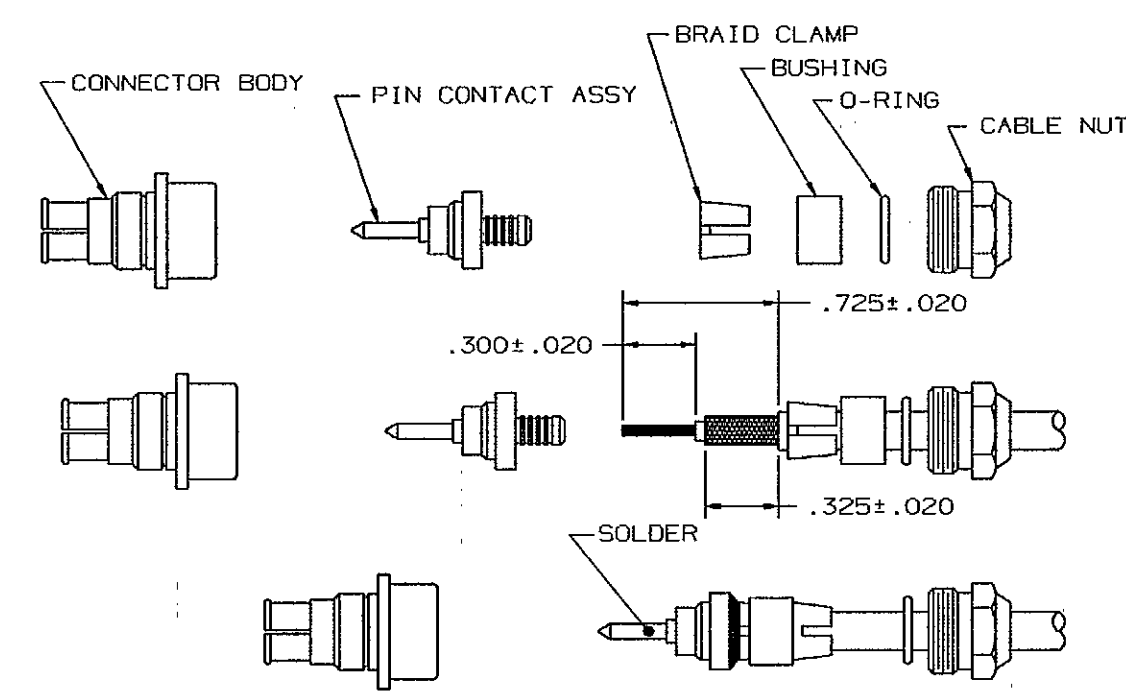
DWG NO.	7510706	SH 7	1
REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	D	ADD THIS SHEET.	12SEP89
	E	ADDED ASSY INST FOR 7510335-010	17OCT89
	F	ADDED ASSY INST FOR 7500335-019. MOVE -010 AND DETAIL TO SH B.	6JAN90
	N	ADD SHEET NOTE.	15MAY92
	AB	SH NOTE WAS THIS --- 905, 901 AND 902.	01MAR95
	AE	RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-901, 903, 904, 905, 961, 963, 964, 965, 901 AND 902.	049711/11/97

ASSEMBLY INSTRUCTIONS
FOR 7500335-017 AND 7500335-018



1. PLACE CABLE NUT, BUSHING AND BRAID CLAMP OVER CABLE OUTER JACKET AS SHOWN. TRIM CABLE JACKET, BRAID AND DIELECTRIC TO DIMENSIONS SHOWN. TWIST CENTER CONDUCTOR STRANDS, LIGHTLY TIN.
2. SLIDE PIN CONTACT ASSEMBLY OVER INNER DIELECTRIC AND CENTER CONDUCTOR. MAKE CERTAIN CENTER CONDUCTOR IS VISIBLE THROUGH HOLE AND CONTACT ASSEMBLY IS PUSHED ON CABLE AS FAR AS POSSIBLE. SOLDER THIS ASSEMBLY AS SHOWN. PUSH BRAID CLAMP AND BUSHING OVER SHIELD AS FAR AS POSSIBLE. INSERT FINISHED CABLE ASSEMBLY INTO CONNECTOR BODY. SLIDE CABLENUT FORWARD AGAINST BACK END OF CONTACT ASSEMBLY AND TIGHTEN CABLE NUT.

ASSEMBLY INSTRUCTIONS
FOR 7500335-019



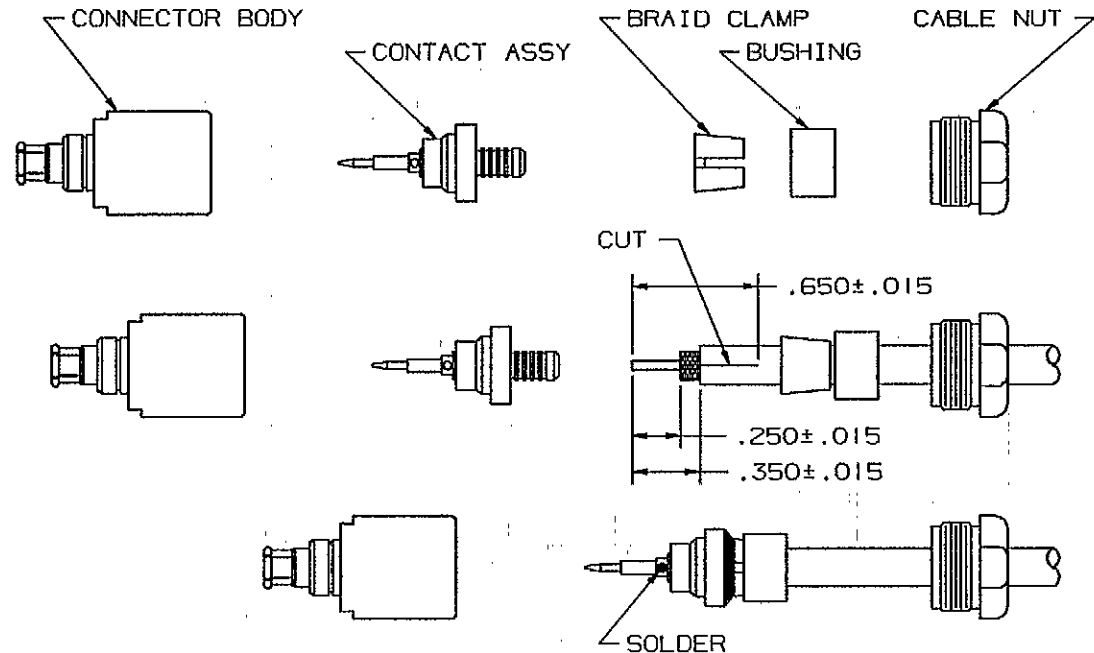
1. PLACE CABLE NUT, O-RING, BUSHING AND BRAID CLAMP OVER CABLE OUTER JACKET AS SHOWN. TRIM CABLE JACKET, BRAID AND DIELECTRIC TO DIMENSIONS SHOWN. TWIST CENTER CONDUCTOR STRANDS, LIGHTLY TIN.
2. SLIDE PIN CONTACT ASSEMBLY OVER INNER DIELECTRIC AND CENTER CONDUCTOR. MAKE CERTAIN CENTER CONDUCTOR IS VISIBLE THROUGH HOLE AND CONTACT ASSEMBLY IS PUSHED ON CABLE AS FAR AS POSSIBLE. SOLDER THIS ASSEMBLY AS SHOWN. PUSH BRAID CLAMP AND BUSHING OVER SHIELD AS FAR AS POSSIBLE. INSERT FINISHED CABLE ASSEMBLY INTO CONNECTOR BODY. SLIDE CABLENUT FORWARD AGAINST BACK END OF BUSHING AND TIGHTEN CABLE NUT.

8840A Apr 10, 1997 10:45 MS: B A

DWG NO. 7510706		SH 8	I	
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	F	ADD THIS SHEET. VIEWS WERE ON SH 7. 113780 (NA)	8JAN90	T. EUROPA 2JAN90 GB
	K	ADD ASSY INSTRUCTIONS FOR 7500335-021. 42968 (NA)	18JUL91	T. EUROPA 16JUL91 WALTHER BJ
	N	ADD SHEET NOTE. 56974 (B)	15MAY92	J. HOWELL BARLOW BJ
	AA	UTD VIEW: DETAIL E: ADD DIM 1.94, 1.045, 2X .20, 2.16, 1.80 AND 2X 6 FT. ADD KIT --- 7510359-955 CALLOUT, ADD WEIGHT .25 LB. 83249-2 (NA)	02MAR95	T. EUROPA 28FEB95 HAYWOOD JI
	AB	SH NOTE WAS THIS --- 805, 801 AND 802. 92363 (NA)	01MAR96	T. EUROPA 28FEB96 BEGAY JI
	AE	RAV SH NOTE: WAS THIS SHEET SPECIFICS 7510700-801, 803, 804, 805, 861, 863, 864, 865, 901 AND 902. 96449 (M)	17.0.0 04/01/97	Handwritten signature HAYWOOD 11/28/97 JB

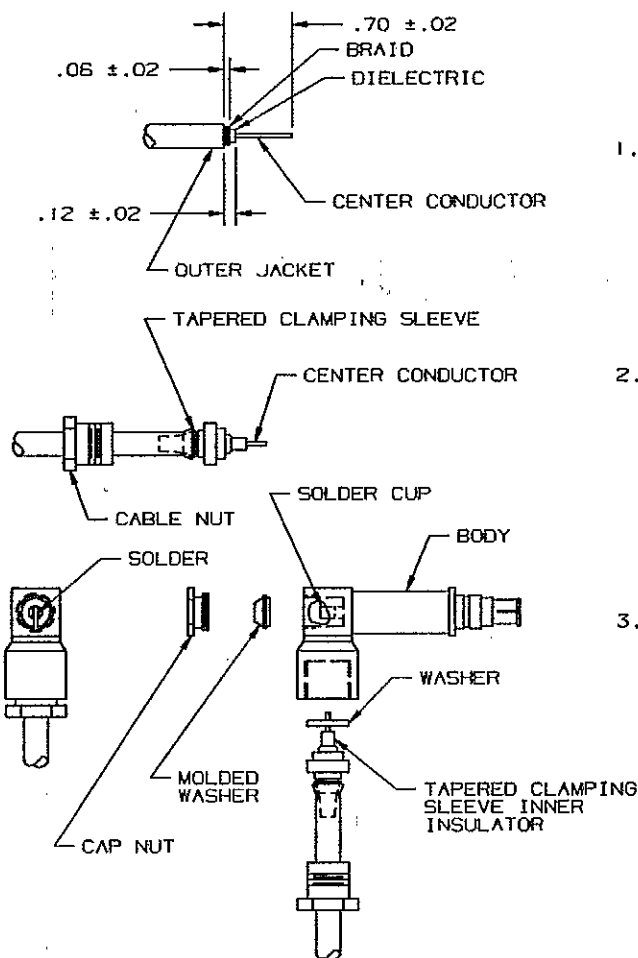
ASSEMBLY INSTRUCTIONS FOR 7500335-021

1. CUT CABLE END SQUARE BY ROLLING BETWEEN KNIFE AND FLAT SURFACE.
2. CUT THRU TO CENTER CONDUCTOR .250±.015 FROM CABLE END WITH METHOD DESCRIBED IN NOTE 1.
3. CUT BLACK JACKET .350±.015 FROM CABLE END AND CUT TWO LONGITUDINAL CUTS 180°±10° APART .650±.015 FROM CABLE END, LIGHTLY TIN CENTER CONDUCTOR.
4. PLACE CABLE NUT AND BUSHING OVER JACKET. EXPAND BRAID CLAMP AND SLIDE OVER CABLE JACKET. LOCATE SLOT ON CLAMP 90°±10° FROM CUTS IN CABLE JACKET.
5. CAREFULLY FAN OUTER WIRE BRAID OUTWARD. LEAVE MIDDLE FOIL SHIELD AND INNER RIBBON UNDISTURBED.
6. SLIDE CONTACT ASSEMBLY BARREL BETWEEN MIDDLE FOIL SHIELD AND OUTER WIRE BRAID MAKING SURE THAT THE CENTER CONDUCTOR IS VISIBLE THRU INSPECTION HOLE. SOLDER CONTACT.
7. PUSH BRAID CLAMP AND BUSHING FORWARD OVER SHIELD AS FAR AS POSSIBLE. SLIDE CABLE NUT OVER BUSHING AND INSERT FINISHED ASSEMBLY INTO CONNECTOR BODY. TIGHTEN CABLE NUT COMPLETELY TO SEAL CABLE ASSEMBLY.



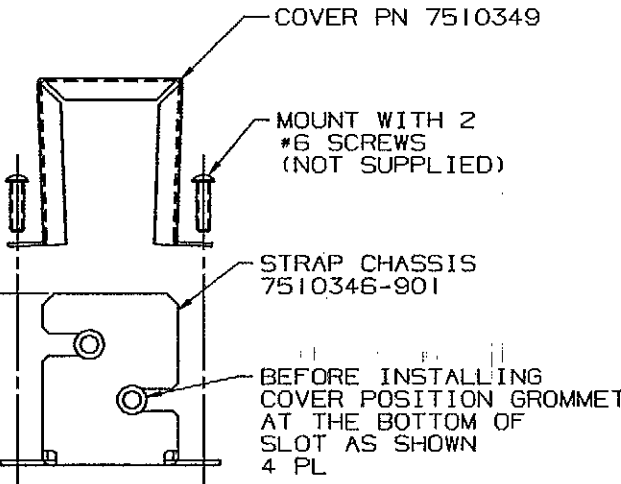
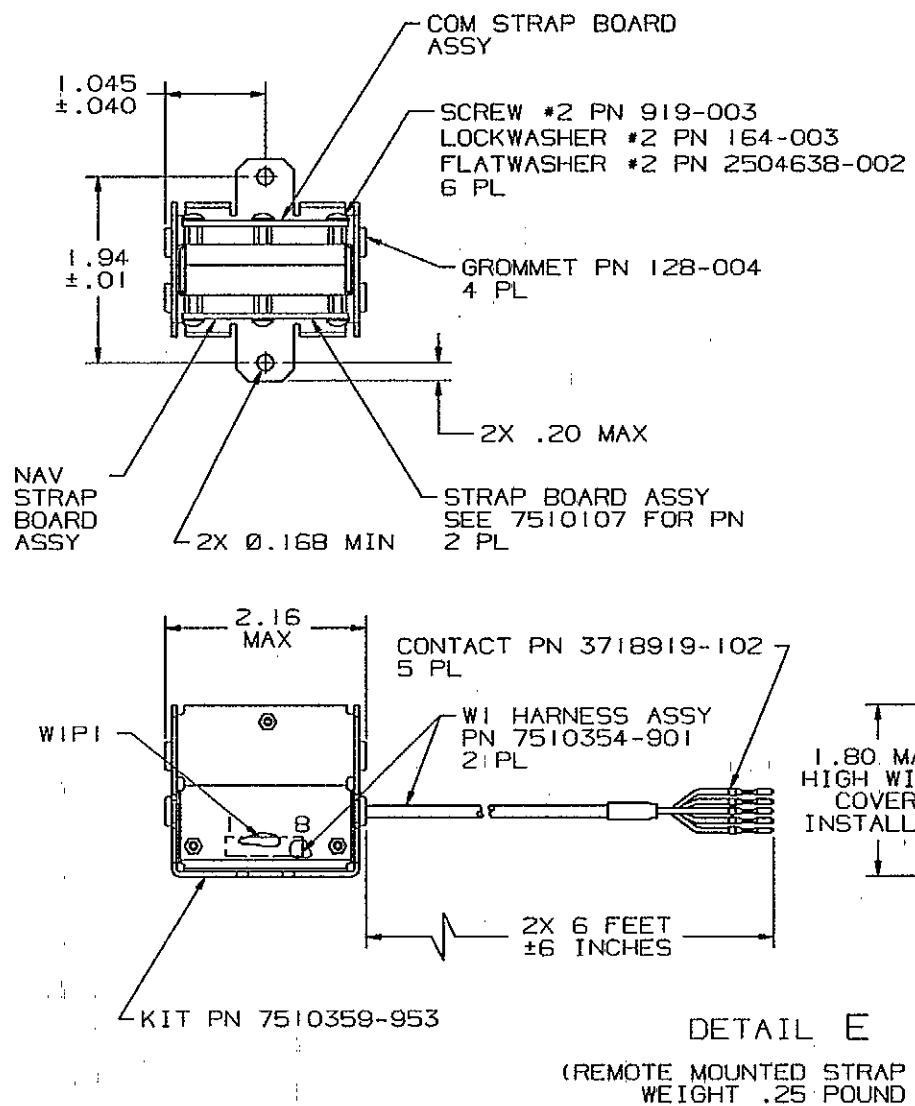
ASSEMBLY INSTRUCTIONS FOR 7510335-010

1. CUT CABLE TO DIMENSIONS SHOWN.
2. INSERT CABLE INTO TAPERED CLAMPING SLEEVE. FORCE SLEEVE BETWEEN THE BRAID AND DIELECTRIC. DIELECTRIC AND CENTER CONDUCTOR SLIDE INTO TAPERED CLAMPING SLEEVE AND INSULATOR WHILE BRAID AND OUTER CONDUCTOR SHOULD RIDE WELL UP ON TAPER.
3. INSTALL WASHER AROUND TAPERED CLAMPING SLEEVE INNER INSULATOR AND INSERT INTO CONNECTOR BODY. TIGHTEN CABLE NUT INTO BODY, COMpressing OUTER JACKET INTO BODY, SOLDER CENTER CONDUCTOR TO SOLDER CUP. INSTALL MOLDED WASHER AND CAP NUT.



FOR NAV WIRE LIST SEE DWG 7510106

WIRE LIST (REMOVE MOUNTED)		
FROM	TO	WIRE
WIPI-2	J1-102	W1 (WHT)
WIPI-6	J1- 88	W1 (BLK)
WIPI-7	J1-101	W2 (WHT)
WIPI-3	J1- 16	W2 (BLK)
WIPI-4	J1- 43	W3 (BLK)

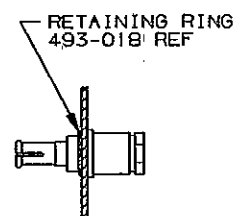


DETAIL E
(REMOTE MOUNTED STRAP BUS)
WEIGHT .25 POUND

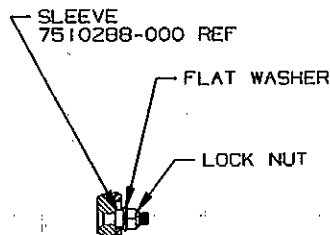
COMPUTER GENERATED

WIRE LIST (STRAP ON MOUNT)

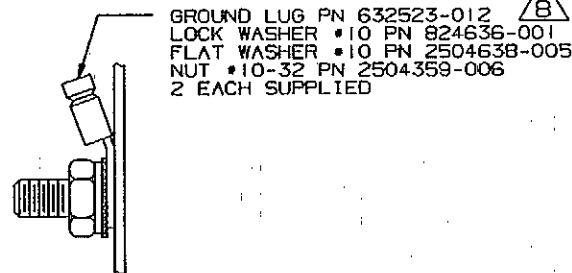
FROM	TO	WIRE
WIPI-1	J1- 89	WIW1 (GRN)
WIPI-2	J1-102	WIW2 (ORN)
WIPI-3	J1- 16	WIW3 (RED)
WIPI-4	J1- 43	WIW4 (BLK)
WIPI-6	J1- 88	WIW6 (BLU)
WIPI-7	J1-101	WIW7 (WHT)
WIPI-8	J1-103	WIW8 (YEL)



SECTION F-F
SCALE: NONE
TYP J2, J3 AND J6

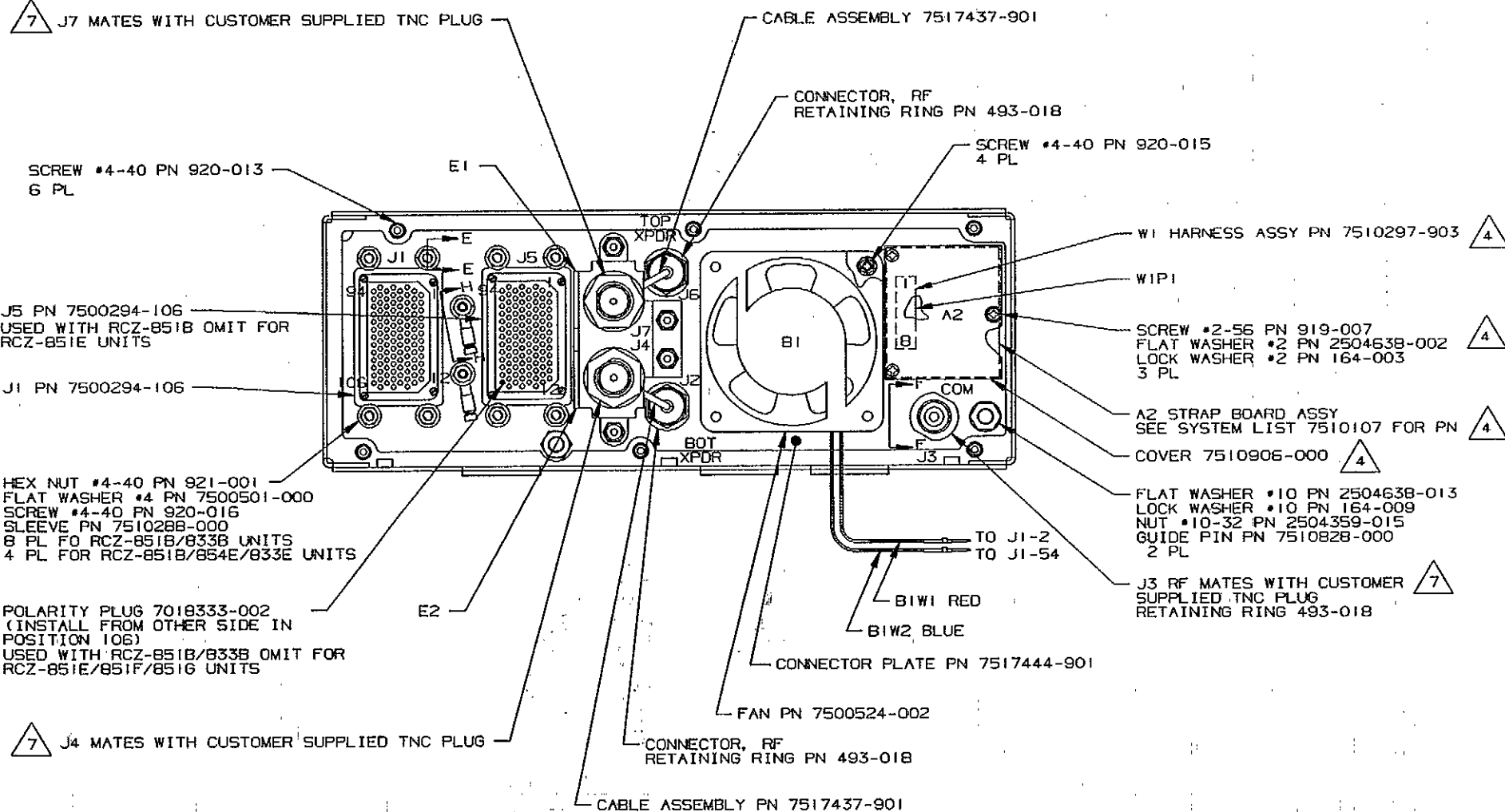


SECTION E-E
SCALE: NONE



SECTION H-H
SCALE: NONE
OPTIONAL 2 PL (E1 AND E2)
ROTATED 180°

 J7 MATES WITH CUSTOMER SUPPLIED TNC PLUG



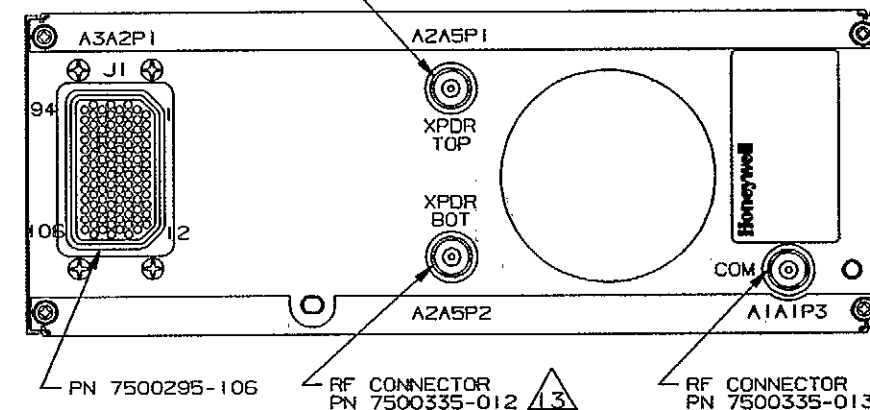
VIEW X-X
WITH MOUNTING TRAY REMOVED

ZONE	REV	DESCRIPTION	DATE	APPROVED
A2	AK	VIEW Y-Y: ADD RCZ-854A REF.	3 Dec 99	
		107448(B)		

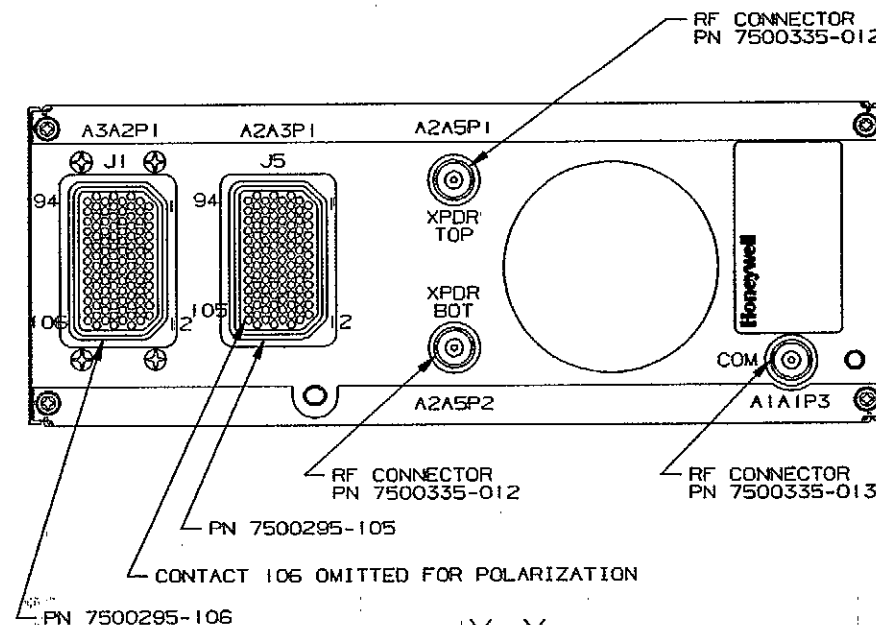
ZONE	REV	DESCRIPTION	DATE	APPROVED
AB		SH NOTE WAS THIS --- -806, -807, -808 AND -809.	1MAR96	T.EUROPA 29FEB96
		92363(NA)		
AC		VIEW Y-Y: SH NOTE WAS: WITH --- RCZ-851B/851F/851G, ADD NOTE 13 REF. VIEW Y-Y: SH NOTE WAS: WITH --- FOR RCZ-851B.	18OCT96	T.EUROPA 10OCT96
		92089(B)		
AE		RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-802, -805 THRU -809, -828 THRU -829, -852 AND -865 THRU -869.	17APR97	T.EUROPA 11APR97
		96448(M)		
AB		VIEW X-X: HEX --- UNITS CALLOUT WAS HEX --- FOR RCZ-851B UNITS, 4 PL FOR RCZ-851E UNITS. POLARITY --- UNITS CALLOUT WAS POLARITY --- WITH RCZ-851B OMIT --- UNITS. VIEW Y-Y FOR RCZ-851E --- RCZ-833H WAS FOR RCZ-851E --- RCZ-854H/851E/851F/851G/851H, VIEW Y-Y FOR RCZ-851B/833B WAS FOR RCZ-851B/851B.	27APR98	M.HOWK
		97773(NA)		

ZONE	REV	DESCRIPTION	DATE	APPROVED
N		ADD THIS SHEET.	15MAY92	J.TROXEL
		56974(B)		
R		VIEW Y-Y: MARKING A2ASP1 (2X), A2ASP2 (2X) AND A2A3P1 WAS A2A2A2P1 (2X), A2A2A2P2 (2X) AND A2A1A3P1 RESP. ADD MARKING J1 (2X) AND JS.	14DEC92	T.WELLENSTEIN
		62972(NA)		
T		VIEW X-X: J3 --- 493-018 CALLOUT WAS: J3 75000335-200CONNECTOR, RF MATES --- TNC PLUG (P3) RETAINING RING 493-018. J4 --- TNC PLUG CALLOUT WAS: J4 --- TNC PLUG (P1), J7 --- TNC PLUG CALLOUT WAS: J7 --- TNC PLUG (P2). POLARITY --- RCZ-851E/851F/851G UNITS CALLOUT WAS: POLARITY --- RCZ-851E UNITS. VIEW Y-Y: WITH --- RCZ-851B/851F/851G REF WAS: WITH --- RCZ-851E. SH NOTE WAS THIS SHEET SPECIFIES 7510700-802 AND 806.	6JUL93	J.TROXEL
		62683(NA)		
Y		SH NOTE WAS THIS --- -807 AND -809.	06OCT94	R.PAULSEN
		83614(NA)		

 RF CONNECTOR PN 7500335-012



VIEW Y-Y
WITH MOUNTING TRAY REMOVED
RCZ-851E/851F/851G/851H
RCZ-854E/854F/854G/854H
RCZ-833E/833F/833G/833H



VIEW Y-Y
WITH MOUNTING TRAY REMOVED
FOR RCZ-851B/833B/854A

Honeywell	SEE FIRST SHEET FOR CONTRACT NUMBER, USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.	SIZE/CAGE CODE D 55939	DRAWING NO. 7510706	REV AK
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NOTES:
(UNLESS OTHERWISE SPECIFIED):

1. ALL DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETERS.

2. WHEN INSTALLING MOUNT ON A FLAT SURFACE (SEE DETAIL F, SHEET 4) USE SPACER KIT 7510351-901 TO ALLOW REMOVAL OF RADIO FROM MOUNTING TRAY.

3. TO ASSURE PROPER GROUNDING OF THIS SYSTEM, THE AIRCRAFT SURFACE TO WHICH ALL MOUNTINGS OR UNITS ARE ATTACHED MUST BE CLEAN BARE METAL. MOUNT TO AIRCRAFT RESISTANCE SHALL BE 2.5 MILLIOHMS MAX. WITHOUT WIRING INSTALLED.

4.  DENOTES APPROXIMATE CENTER OF GRAVITY.

5. FOR ASSEMBLIES, KITS AND ACCESSORIES SEE:

7517455-904 MT-855 MOUNTING TRAY
7510707 SYSTEM LIST
7510359 CONNECTOR KIT

6.  SECURE THUMB NUTS OF MOUNT USING LOCKING WIRE.

7.  CONNECTORS J1 AND J2 MUST FLOAT. ALLOW 6 INCHES MIN OF CABLE LENGTH FROM REAR OF CONNECTORS J1 AND J2 TO ANY CABLE CLAMPING DEVICE.

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	AE	ADD THIS SHEET. 96448 (M)	17 APR 97	T. EUROPA 11 APR 97 HAYWOOD CB
	AF	NOTES: NOTE 2 EXTENSIVELY REVISED. 97676 (NA)	22 JUL 97	J. KE (STA HAYWOOD CB
	AL	WAS SH 15. SEE SH 1. 26321 A (NA)	21 01	BURKE AM

MOUNT WEIGHT (TOL ± .20 LBS)			
MOUNT PART NO.	MODEL NO.	LBS	(KG)
7517455-904	MT-855	1.25	.57

Honeywell

SEE FIRST SHEET FOR CONTRACT
NUMBER, USE OR DISCLOSURE OF
INFORMATION ON THIS SHEET IS
SUBJECT TO THE RESTRICTIONS ON
THE FIRST SHEET OF THIS DOCUMENT.

SIZE/CAGE CODE
D 55939

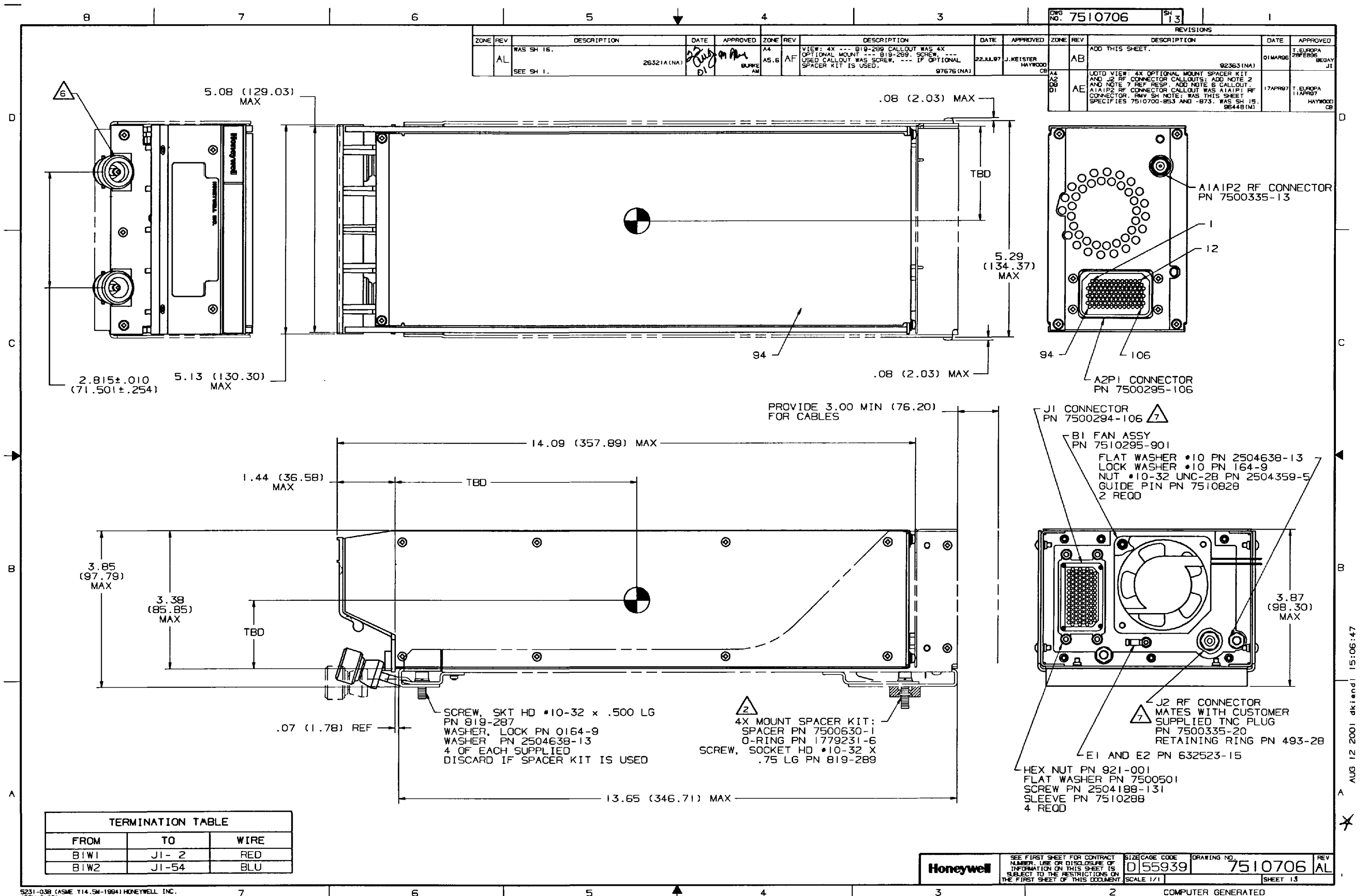
DRAWING NO.
7510706

REV

AL

SHEET 12

COMPUTER GENERATED



REVISIONS				REVISIONS			
ZONE	REV	DESCRIPTION	DATE	APPROVED	ZONE	REV	DESCRIPTION
AL		WAS SH 15.	26321A (NA)		AB		ADD THIS SHEET.
		SEE SH 1.			AE		UOTO VIEW: 4X OPTIONAL MOUNT SPACER KIT AND J2 RF CONNECTOR CALLOUTS: ADD NOTE 2 AND NOTE 7 REF RESP. ADD NOTE 6 CALLOUT. A1A1P2 RF CONNECTOR CALLOUT WAS A1A1P1 RF CONNECTOR. RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-853 AND -873. WAS SH 15. 86448 (N)

TERMINATION TABLE		
FROM	TO	WIRE
BIW1	J1-2	RED
BIW2	J1-54	BLU

8

7

6

5

4

3

DWG
NO. 7510706SH
14

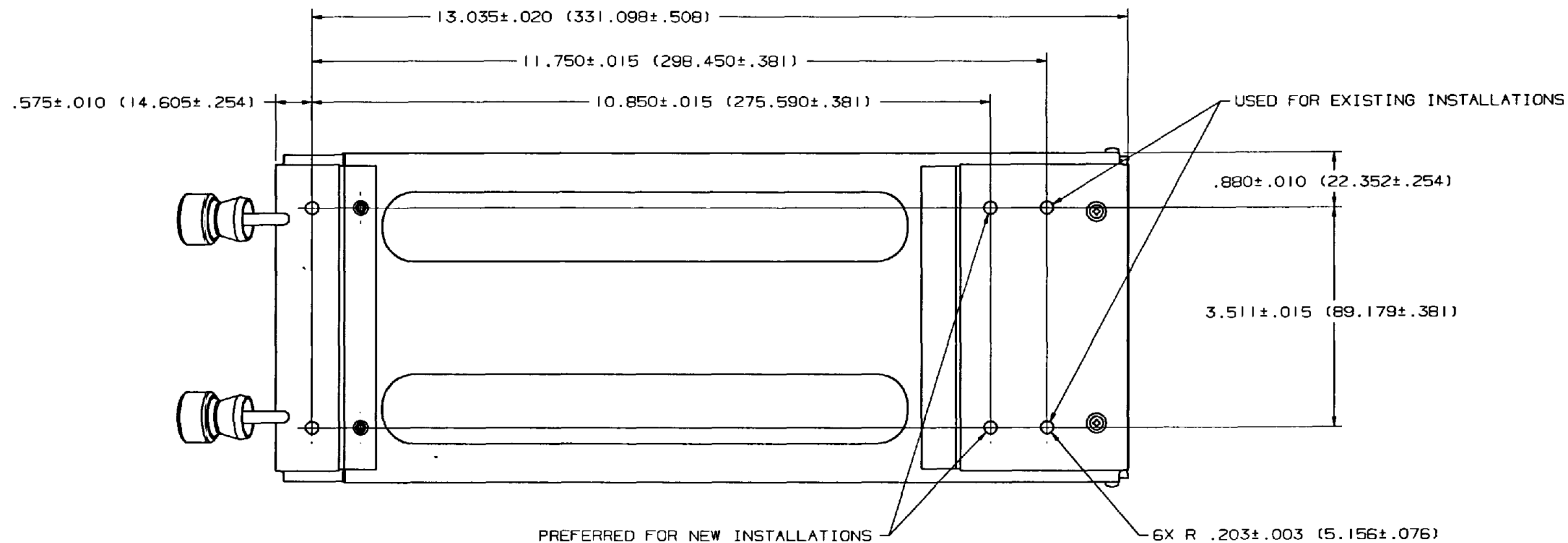
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REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	AB	ADD THIS SHEET.	01MAR96
	AE	RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-853 AND -873. WAS SH 16.	17APR97
	AL	WAS SH 17. SEE SH 1.	26321A (NA)

T. EUROPA
28FEB96
BEGAY
J1

T. EUROPA
11APR97
HAYWOOD
CB

T. EUROPA
26321A (NA)
BURKE
AM



7

6

5

4

3

2

COMPUTER GENERATED

AUG 12 2001 dkiend 15:06:47

Honeywell

SEE FIRST SHEET FOR CONTRACT
NUMBER, USE OR DISCLOSURE OF
INFORMATION ON THIS SHEET IS
SUBJECT TO THE RESTRICTIONS ON
THE FIRST SHEET OF THIS DOCUMENT

SIZE/CAGE CODE
D155939

DRAWING NO.
7510706

REV
AL

SHEET 14

NOTES:
(UNLESS OTHERWISE SPECIFIED):

1. ALL DIMENSIONS IN PARENTHESIS () ARE IN MILLIMETERS.

2. WHEN INSTALLING MOUNT ON A FLAT SURFACE (SEE DETAIL F, SHEET 4)
USE SPACER KIT 7510351-901 TO ALLOW REMOVAL OF RADIO FROM
MOUNTING TRAY.

3. TO ASSURE PROPER GROUNDING OF THIS SYSTEM, THE AIRCRAFT
SURFACE TO WHICH ALL MOUNTINGS OR UNITS ARE ATTACHED
MUST BE CLEAN BARE METAL. MOUNT TO AIRCRAFT RESISTANCE
SHALL BE 2.5 MILLIOHMS MAX. WITHOUT WIRING INSTALLED.

4.  DENOTES APPROXIMATE CENTER OF GRAVITY.

5. FOR ASSEMBLIES, KITS AND ACCESSORIES SEE:

7517455-904 MT-855 MOUNTING TRAY
7510707 SYSTEM LIST
7510359 CONNECTOR KIT

6. SECURE THUMB NUTS OF MOUNT USING LOCKING WIRE.

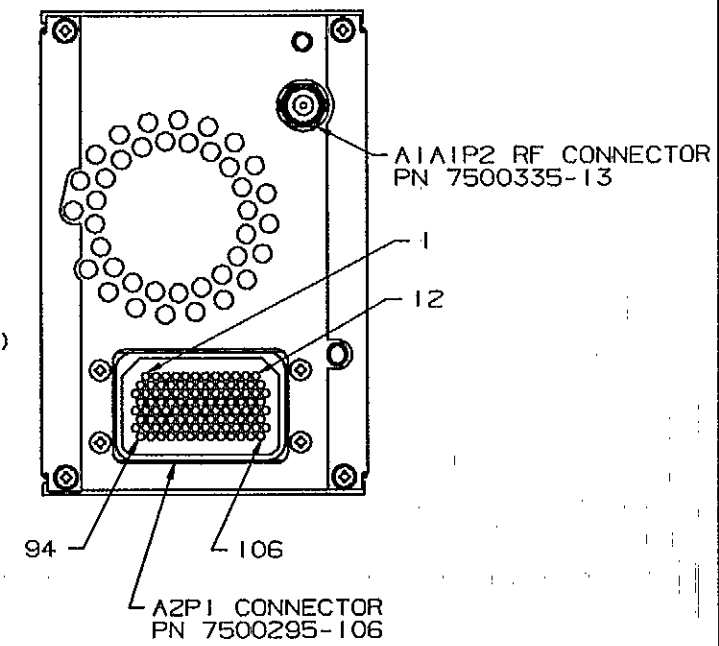
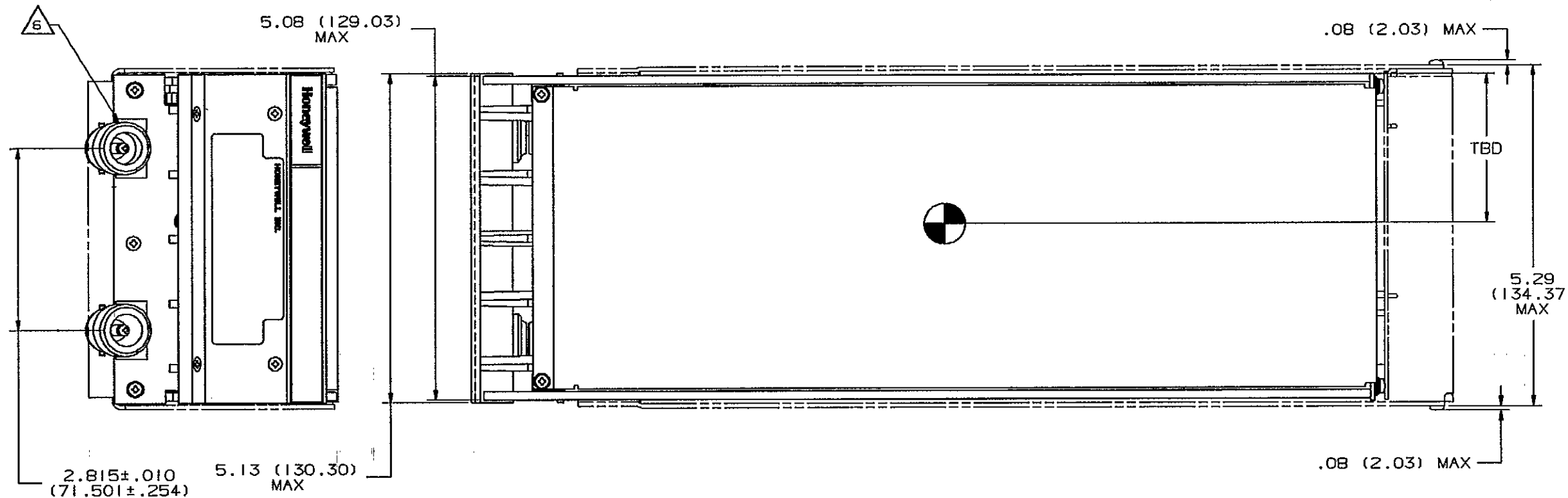
7. CONNECTORS J1 AND J2 MUST FLOAT. ALLOW 6 INCHES MIN OF
CABLE LENGTH FROM REAR OF CONNECTORS J1 AND J2 TO ANY
CABLE CLAMPING DEVICE.

DWG NO.		7510706		REV		15		1	
REVISIONS									
ZONE	REV	DESCRIPTION					DATE	APPROVED	
	AE	ADD THIS SHEET.					17APR97	T. EUROPA 11APR97 HAYWOOD	
	AF	NOTES: NOTE 2 EXTENSIVELY REVISED.					96448 (M)	22 July 97 K. J. J. J. HAYWOOD	
							97676 (NA)		

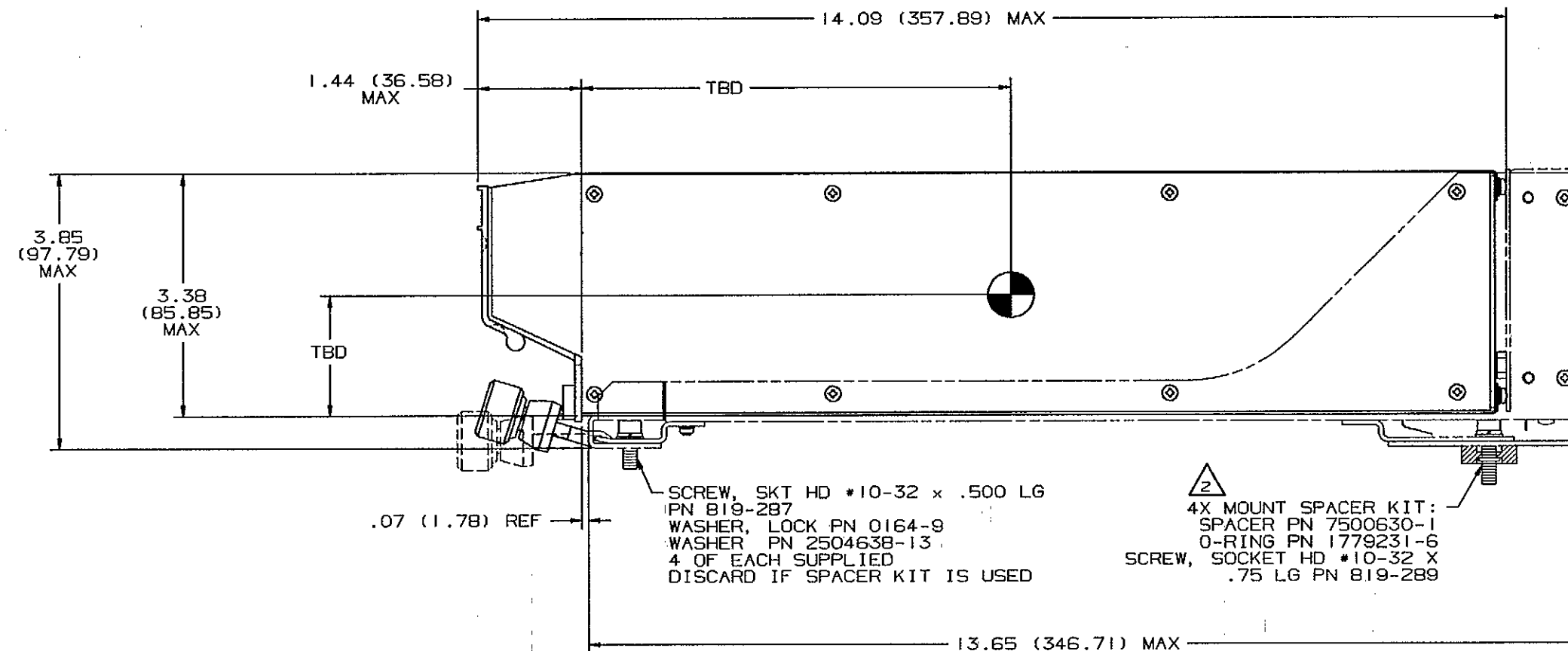
MOUNT WEIGHT (TOL±.20 LBS)			
MOUNT PART NO.	MODEL NO.	LBS	(KG)
7517455-904	MT-855	1.25	.57

Honeywell		SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.		SIZE	CAGE CODE	DRAWING NO.	REV
				D	55939	7510706	AF
				SCALE 1/1		SHEET 15	

DWG NO. 7510706				REVISIONS			
ZONE	REV	DESCRIPTION	DATE	APPROVED	ZONE	REV	DESCRIPTION
A4	AF	VIEW: 4X --- 819-289 CALLOUT WAS 4X OPTIONAL MOUNT --- 819-289. SCREW --- USED CALLOUT WAS SCREW --- IF OPTIONAL SPACER KIT IS USED.	97676 (NA)	HAYWOOD CB	AB	ADD THIS SHEET.	01MAR96
A4	A2	UTD VIEW: 4X OPTIONAL MOUNT SPACER KIT AND J2 RF CONNECTOR CALLOUTS: ADD NOTE 2 AND NOTE 7 REF RESP. ADD NOTE 6 CALLOUT. A1A1P2 RF CONNECTOR CALLOUT WAS A1A1P1 RF CONNECTOR. RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-653 AND -673. WAS SH 15. 95448 (M)	17APR97	HAYWOOD CB	AE		17APR97



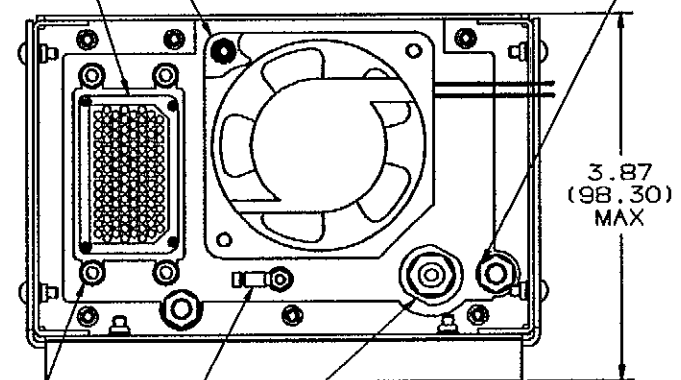
PROVIDE 3.00 MIN (76.20) FOR CABLES



J1 CONNECTOR PN 7500294-106

B1 FAN ASSY PN 7510295-901

FLAT WASHER #10 PN 2504638-13
LOCK WASHER #10 PN 164-9
NUT #10-32 UNC-2B PN 2504359-5
GUIDE PIN PN 7510828
2 REOD



J2 RF CONNECTOR MATES WITH CUSTOMER SUPPLIED TNC PLUG PN 7500335-20
RETAINING RING PN 493-28

E1 AND E2 PN 632523-15

HEX NUT PN 921-001
FLAT WASHER PN 7500501
SCREW PN 2504188-131
SLEEVE PN 7510288
4 REOD

TERMINATION TABLE		
FROM	TO	WIRE
BIW1	J1-2	RED
BIW2	J1-54	BLU

Honeywell		SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.	SIZE/CAGE CODE	D155939	DRAWING NO.	7510706	REV	AF
			SCALE 1/1					

8 7 6 5 4 3

DWG NO. 7510706		SH 17	I	
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	AB	ADD THIS SHEET.	01MAR96	T. EUROPA 26FEB96
	AE	RMV SH NOTE: WAS THIS SHEET SPECIFIES 7510700-853 AND -873. WAS SH 16.	01MAY96	BE8AY JI
		86448(M)	01MAY96	11 APR 96

