

8

7

6

5

4

3

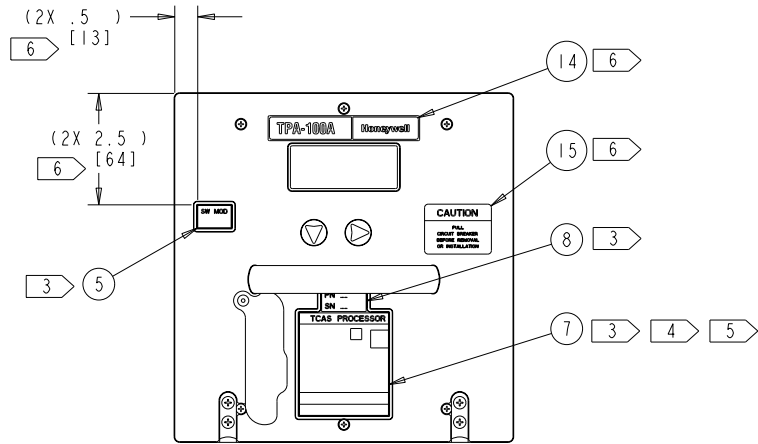
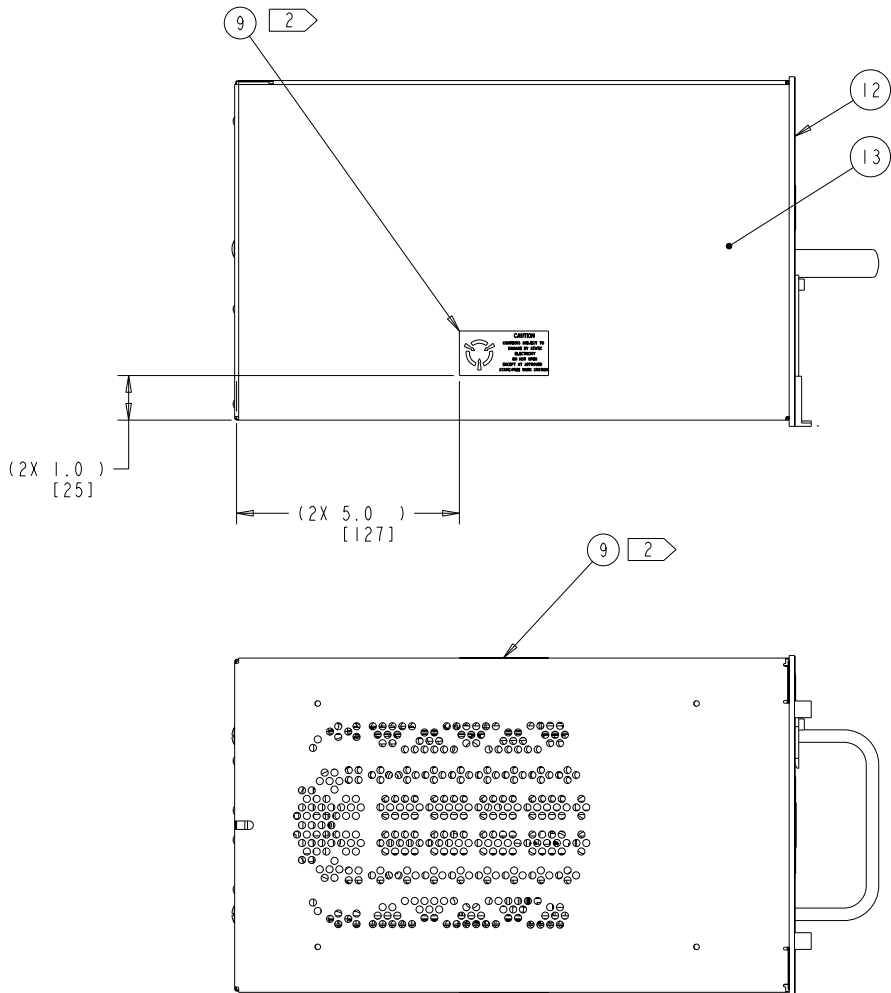
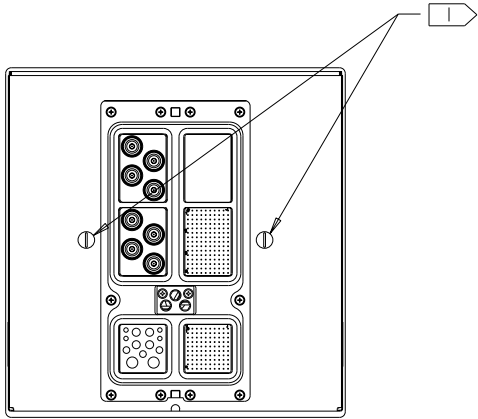
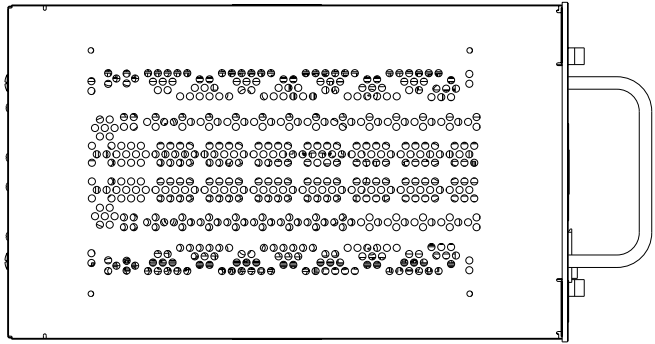
DRAWING NO.
940-0300-001

SHEET
1

1

NOTES: UNLESS OTHERWISE SPECIFIED,

- QUARTER-TURN FASTENERS: SLIDE SHEET METAL COVER (FIND NO 3) OVER CONFIGURATION ASSEMBLY (FIND NO 2) AND FULLY ENGAGE FASTENERS. ROTATE FASTENER ONE-QUARTER TURN CLOCKWISE AND ENSURE SPRING ENGAGEMENT.
- LOCATE LABEL APPROXIMATELY AS SHOWN.
- CENTER LABEL IN RECESS.
- APPROPRIATE DASH NUMBER AND SERIAL NUMBER SHALL BE ON DATA MATRIX IDENTIFICATION PLATE PRIOR TO SHIPMENT.
- MARK APPLICABLE MOD DOTS USING FIND NO. 11.
- ONLY APPLIES TO FIND NO. 2. DOES NOT APPLY TO FIND NO. 12.
- THE DRAWING AND BOM REVISION LEVELS SHOWN REPRESENT THE "RELEASED AT" LEVEL. ALL FUTURE REVISIONS AND DASHES OF SAME BASE NUMBERED DOCUMENT WILL INCORPORATE PREVIOUS MODS.



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	E	REV DESCRIPTIONS A THRU D DELETED. DIRECT UPDATE: ER 732257 ADDED MOD DOT 4. REASON: 02, SEVERITY: 08	9/24/03	KSHAYATSU J CHUNGBIN L KING D CHACE G CHILDS
C3-2	F	DIRECT UPDATE: ER 732631 ADDED MOD DOT 5. REASON: 02, SEVERITY: 08	10/3/03	KSHAYATSU J SPENCE L KING D CHACE G CHILDS
C3-2	G	DIRECT UPDATE: ER 732948 ADDED MOD DOT 6. REASON: 02, SEVERITY: 08	10/10/03	KSHAYATSU J SPENCE L KING D CHACE G CHILDS
C8-1 D8-2	H	DIRECT UPDATE: ER 733380 ADDED FLAGNOTE 7. REVISED/ADDED INFO TO TABLE, SH2-3. REASON: 02, SEVERITY: 08	10/24/03	KSHAYATSU J SPENCE L KING D CHACE W LAMBERT

SEE SEPARATE PARTS LIST

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SOFTWARE. NOT TO BE MANUALLY ALTERED.

UNLESS OTHERWISE SPECIFIED

ALL DIMS ARE IN INCHES	± .XX 0.03	± .XXX 0.010	± ANGLE 0.5°
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INTERPRET DRAWING PER
ASME Y14.100-2000

ANGLE PROJECTION

PRECIOUS METAL INDICATOR CODE
NA

CONTRACT NO.

TYPED SIGNATURES CONSTITUTE
APPROVAL. ACTUAL SIGNATURES
ARE ON FILE AT HONEYWELL IN
REDMOND, WA.

DWN	KSHAYATSU	10/2/02
CHECK	J CHUNGBIN	10-3-02
ENGR	L KING	10-7-02
MFG	D CHACE	10-11-02
QA	G CHILDS	10/8/02
APPD		

HONEYWELL INTERNATIONAL INC.
REDMOND, WASHINGTON 98073-9701

Honeywell

TITLE
TOP ASSEMBLY,
TPA-100A, 6MCU

SIZE	CAGE CODE	DRAWING NO.	REV
D	97896	940-0300-001	H

SCALE: 1/2 WT: — SHEET: 1 OF 3

H	H
G	G
F	F
E	E

SHEET	1	2
REVISION STATUS OF SHEETS		

-001	-	940-0300
DASH	NEXT ASSY	USED ON
APPLICATION		

TPA-100A

8		7		6		5		4		3		DRAWING NO. 940-0300-001		SHEET 2		1	
RED LABEL UNITS ONLY																	
MOD DOT 5		ECP NO.		ER NO.		REASON FOR CHANGE				PARTS CHANGE				ASSEMBLY DESCRIPTION		ASSEMBLY/BOM, REV 7	
1		14860		727100		Historical Data.				Add Find No. 161 (R575 and R576) P/N: 104-5058-134. Add Find No. 162 (R577) P/N: 104-5058-018.				CCA, TCAS DATA PROCESSOR (CPU)		PL722-4350-003, G	
				727814		Change A/D input Bias.				Replaced Find No. 162 (R577) from P/N: 104-5058-018 RES, 18.2K, 0805, 1%,.1W with P/N: 104-5058-135 RES, 14.0K, 0805, 1%,.1W.				CCA, TCAS DATA PROCESSOR (CPU)		PL722-4350-003, H	
				733038		Change A/D input Bias.				Replaced Find No. 162 (R577) from P/N: 104-5058-018 RES, 18.2K, 0805, 1%,.1W with P/N: 104-5058-135 RES, 14.0K, 0805, 1%,.1W.				CCA, TCAS DATA PROCESSOR (CPU)		PL722-4350-003, F	
2		14832		729115		Unit fails antenna E4 BITE test at low temperature (-40°C).				Add jumper wire only.				CCA, RECEIVER		722-4435-001, G	
3		14853		731642		1. To change Pulse transformer (T6, T9 & T10) and inductors (L8, L9 & L17) for structural weakness. 2. To change 429 line drivers due to low temperature instability. 3. Need to change Pushbutton switches due to high temperature susceptibility.				1A. Replace Find No. 95 (L8 and L9) from P/N: 320-0243-001 with P/N: 320-0243-012. 1B. Replace Find No. 99 (L17) from P/N: 320-0242-001 with P/N: 320-0242-002. 1C. Replace Find No. 188 (T9) from P/N: 310-0537-001 with P/N: 310-0537-002. 1D. Replace Find No. 185 (T9) from P/N: 310-0536-001 with P/N: 310-0536-002. 2A. Replace Find No. 27 (U44 - U48, U56 - U60) from P/N: 321-2633-001 with P/N: 321-2633-004. 3A. Replace Find No. 9 (SW 1 AND 2) from P/N: 031-22207-0004 with P/N: 031-22207-0007.				1. CCA, POWER SUPPLY 2. CCA, TCAS DATA PROCESSOR (CPU) 3. CCA, FRONT INTERCONNECT		PL722-4348-004, C PL722-4350-005, C PL722-4354-004, F	
		14853R1		732360		1. To change Pulse transformer (T6, T9 & T10) and inductors (L8, L9 & L17) for structural weakness. 2. To change 429 line drivers due to low temperature instability.				1A. Replace Find No. 94 (L8 and L9) from P/N: 320-0243-001 with P/N: 320-0243-012. 1B. Replace Find No. 98 (L17) from P/N: 320-0242-001 with P/N: 320-0242-002. 1C. Replace Find No. 187 (T9) from P/N: 310-0537-001 with P/N: 310-0537-002. 1D. Replace Find No. 184 (T9) from P/N: 310-0536-001 with P/N: 310-0536-002. 2A. Replace Find No. 27 (U44 U48, U56 U60) P/N: 321-2633-001 with P/N: 321-2633-004.				1. CCA, POWER SUPPLY 2. CCA, TCAS DATA PROCESSOR (CPU)		PL722-4348-003, K PL722-4350-003, J	
4		14840		732257		DE11026 (Six channel Discrete-to Digital interface) discrete switch transitions to ground at 3.2 volts.				Replace Find No. 31, 14 places (U65 - U69, U73 - U76, U277 - U229 & U233 - U234) P/N: 321-2622-001 Adds P/N: 321-2622-002.				CCA, TCAS DATA PROCESSOR (CPU)		PL722-4350-003, G	
		14840R1		732360		Per ARINC 735A, they should transition at 3.5 volts.								CCA, TCAS DATA PROCESSOR (CPU)		PL722-4350-003, J	
5		14843		731921		1. Corrects a problem with the undervoltage and overvoltage operating limits to meet DO-160D requirements. 2. Corrects a problem during warm start conditions between 200 - 300 ms that prevented the unit from meeting the DO-160D 200 ms. Power transparency requirements.				Replaces CCA, POWER SUPPLY P/N: 722-4348-003 with P/N: 722-4348-004.				CCA, POWER SUPPLY		PL722-4348-004, D & 722-4348-004, * ONLY	
PROPRIETARY NOTICE ON TITLE PAGE APPLIES																	
SIZE D		CAGE CODE 97896		DRAWING NO. 940-0300-001				REV H									
SCALE: 1/2		WT: —		SHEET: 2													

