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NOTICE

PROPRIETARY NOTICE

NOTICE

DISCLOSURE 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.

REVISIONS

DATE

APPROVED

INITIAL RELEASE

NOTES:

1. ASSEMBLE PER M7012784.

CAUTION

THIS ASSEMBLY INCLUDES COMPONENTS WHICH ARE SUBJECT TO DAMAGE BY ELECTROSTATIC CHARGES; THEREFORE, ALL COMPONENTS SHALL BE HANDLED IN ACCORDANCE WITH GUIDELINES FOR ELECTROSTATIC DISCHARGE CONTROL.

2. MAXIMUM COMPONENT HEIGHT:

3. AREAS A AND B SHALL BE FREE OF CONDUCTORS, COMPONENT LEADS, AND COMPONENTS, BOTH SIDES.

4. SIDE B: CONDUCTIVE .375 MAXIMUM, NON-CONDUCTIVE OR GROUNDED CONDUCTIVE CASE .425 MAXIMUM, EXCEPT AREAS C, E, AND L SHALL BE FREE OF COMPONENTS AND COMPONENT LEADS.

5. SIDE A: CONDUCTIVE .110 MAXIMUM, NON-CONDUCTIVE OR GROUNDED CONDUCTIVE CASE .150 MAXIMUM, EXCEPT AREA K CONDUCTIVE .050 MAXIMUM, NON-CONDUCTIVE OR GROUNDED CONDUCTIVE CASE .100 MAXIMUM, AREAS C, D, E, F, G, AND L SHALL BE FREE OF COMPONENT LEADS AND COMPONENTS, AREAS H AND J SHALL BE FREE OF NON-GROUNDED CONDUCTORS, COMPONENT LEADS AND COMPONENTS.

6. UNLESS OTHERWISE SPECIFIED COMPONENT LEAD PROTRUSION SHALL BE .060 MAXIMUM AND BARE COPPER IS PERMISSIBLE ON TRIMMED SURFACES ON BOTH SIDES.

7. SQUARE PADS ON PRINTED WIRING BOARD INDICATE PIN 1, EXCEPT P1 ROWS 1, 5, 10, P2 ROWS 1, 5, 10, 15, AND 20 SHALL BE SQUARE PADS.

8. APPLY CONFORMAL COAT PER M7010975 TO SIDE A AND B OF CIRCUIT CARD ASSEMBLY, EXCEPT P1 AND P2, AREAS A AND B (BOTH SIDES) AND ITEM 1 (BOTH SIDES). ITEMS 2 THRU 6 MAY BE FREE OF CONFORMAL COAT.

9. ITEM 6 SHALL BE FLUSH TO .015 TO SIDE B OF PRINTED CIRCUIT BOARD.

10. P1 AND P2 SHALL BE INSTALLED USING TOOLS SPECIFIED IN AND PER AMP INSTRUCTION SHEET 408-4382, REVISION A OR LATER.

11. THIS ASSEMBLY SHALL MEET THE REQUIREMENTS OF HONEYWELL, INC. TECHNICAL REQUIREMENTS SPECIFICATION A72-5111-450.

12. LOCATE PRINTED WIRING BOARD AND CIRCUIT CARD PART NUMBER AND REVISION LETTER ON SIDE A.

13. IF SOLDER MASK IS USED, BOTH SIDES OF AREAS A AND B SHALL BE FREE OF IT.

14. COMPONENTS WEIGHING MORE THAN 1/4 OUNCE PER LEAD SHALL BE BONDED TO THE PRINTED WIRING BOARD USING HONEYWELL PN 97P577800 (DOW CORNING RTV 3146 TRANSLUCENT PER MIL-A-46146, GROUP II, TYPE I).

15. COMPONENTS WEIGHING MORE THAN 1/2 OUNCE SHALL BE LOCATED ALONG THE BOTTOM EDGE (UNIT BOTTOM) OF THE PRINTED WIRING BOARD.

16. PRINTED WIRING BOARD THICKNESS SHALL BE .080±.008 INCH.

17. PREFIX ALL REFERENCE DESIGNATIONS WITH A1.

18. THIS ASSEMBLY SHALL CONTAIN THE FOLLOWING PARTS:

ITEM NO.	QTY	HONEYWELL PN	HONEYWELL/VENDOR PN	DESCRIPTION	REMARKS OR VENDOR
1	2	3719221-4	98-3	EXTRACTOR	EG AND BIRTCHE
2	2	4051759-9	4051759-9	BUMPER .208 X .390 (SPECIAL)	ARIZONA INDUSTRIAL HDWR
3	2	2504188-131	MS24693C5	SCREW, FHD, 100", .112-40UNC X .44LG	FOR ITEM 2
4	2	2504638-5	NA5620C4L	WASH, FLAT, #4 REDUCED	FOR ITEM 3
5	2	2500929-2	MS21042L04	NUT, .112-40, SELF-LOCKING, REDUCED	FOR ITEM 3
6	2	7517828-3	B-250-12-0.5-0	BUS BAR	CIRCUIT COMPONENTS
10	1	7024422-55	352115-1	CONNECTOR, 55 SOCKET, 2MM, P1	AMP
11	1	7024422-125	352069-1	CONNECTOR, 125 SOCKET, 2MM, P2	AMP

5231-040 (ASME Y14.5M-1994) HONEYWELL INC. (REV 3-87)

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APPLICATION

7519314

7519300

NEXT ASSY

USED ON (SYS)

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SHEET INDEX

CONTRACT

HS-600

DRAWN BY

A. WHIDDEN

DATE

21 MAR 01

DESIGNED BY

DATE

CHECKED BY

DATE

APVD FOR MFG

DATE

APVD FOR ENG

DATE

APVD FOR QA

DATE

THIRD ANGLE PROJECTION

DWG CLASS

A

FIRST USED ON

7519300

OPERATIONAL NOTE

SIMILAR ASSEMBLY

Honeywell

COMMERCIAL FLIGHT SYSTEMS GROUP PHOENIX, ARIZONA

TITLE

CIRCUIT CARD ASSEMBLY-DIGITAL, A1

SIZE

E155939

DRAWING NO.

7519309-1

REV

-

SHEET

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OF 2

APR 11 2001

awnidden 16:23:57

HOLE CHART			
SYMBOL	DESCRIPTION		QTY
A	Ø.098±.002 THRU NO PLATING	⊕ Ø.010 Ⓢ A B C	1
B	Ø.098±.002 THRU NO PLATING	⊕ Ø.010 Ⓢ A D C	1
C	Ø.098±.002 THRU NO PLATING	⊕ Ø.010 Ⓢ A D E	1
UNMARKED	Ø.0236±.0020 THRU PLATED	⊕ Ø.010 Ⓢ A D E	180 (P1 AND P2)
E	Ø.109±.003 THRU PLATED	⊕ Ø.010 Ⓢ A D E	2
F	Ø.113±.002 THRU NO PLATING	⊕ Ø.010 Ⓢ A D E	2
G	Ø.187±.003 THRU PLATED	⊕ Ø.014 Ⓢ A D E	1

