REV	ECO#	DESCRIPTION OF REVISION
01		INITIAL RELEASE FOR EVT M.KEDAMBADI 01/14/25

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. GEOMETRIC DATA FILES PROVIDED BY APPLE INC. SHALL BE USED FOR MASTER DATA. A DRAWING OF EQUAL FILENAME AND REVISION TO THE GEOMETRIC DATA SHALL BE USED TO DETERMINE GEOMETRIC CHARACTERISTICS AND TOLERANCES. DRAWING DIMENSIONS ARE SUBORDINATE TO GEOMETRIC DATA UNLESS SPECIFIED ON DRAWING TO BE MASTER, AS MAY BE THE CASE OF CABLE LENGTHS OR TABULATED VARIABLE DIMENSIONS. THE SUPPLIER MUST COMPLY WITH THE STANDARDS PERTAINING TO THE TOLERANCE METHOD APPLIED.

2. GD&T - GEOMETRIC TOLERANCE METHODS IN ACCORDANCE TO ASME Y14.5-2009. DATUM REFERENCE FRAMES RANK AS DATUM A PRIMARY, B SECONDARY AND C TERTIARY. FEATURE CONTROL FRAMES MAY RE-ORDER DATUMS PER THE FEATURES DATUM DEPENDENCE. DIMENSIONS THAT LOCATE GEOMETRIC TOLERANCE CHARACTERISTICS ARE BASIC (EXACT). NO TOLERANCES APPLY TO BASIC DIMENSIONS.

3. DIRECT TOLERANCE DIMENSIONING - INTERPRET DIMENSIONS THAT DO NOT LOCATE GD&T CHARACTERISTICS OR GD&T CONTROLLED FEATURES AS THE DIRECT TOLERANCE DIMENSION SYSTEM. THE LOCAL PLUS+/MINUS-, LOCAL LIMIT AND TITLE BLOCK TOLERANCES APPLY.

4. IN THE ABSENCE OF DRAWING DIMENSIONS AND DATUMS, THE GEOMETRIC DATA IS BASIC. THE PLANES OF THE ABSOLUTE COORDINATE SYSTEM DENOTE THE DATUM REFERENCE PLANES AS X-Y = DATUM A, Y-Z = B AND X-Z = C. ALL GEOMETRIC DATA SURFACES ⌓ 0.2 A B C.

5. PERFECT ORIENTATION AND/OR PERFECT LOCATION AT MMC AS REQUIRED FOR THE INTERRELATIONSHIP OF ALL DATUM FEATURES OF SIZE.

6. ON PARTS SUBJECT TO FREE STATE VARIATION, ALL TOLERANCES APPLY WHEN THE PART IS RESTRAINED ACCORDING TO FUNCTIONAL MATING CONDITIONS AS DEFINED BY THE DATUM REFERENCE FEATURE RANK OR FEATURE CONTROL FRAME DATUM RANK PER THE FEATURE INSPECTED. CONSULT PROPER APPLE INC. SUPPLY QUALITY ENGINEER (SQE) FOR APPROVAL/CLARIFICATION ON INDIVIDUAL PARTS.

7. TOLERANCES DESIGNATED WITH THE SYMBOL (SPC) SHALL BE MONITORED WITH STATISTICAL PROCESS CONTROLS. THE PROCESS CONTROL DATA (CP, CPK, ETC.) OF THE PART MUST BE VALIDATED AND APPROVED BY APPLE INC. SQE.

8. DIMENSIONS DESIGNATED WITH THE (FAI) SYMBOL SHALL BE FIRST ARTICLE INSPECTION DIMENSIONS. THREE SAMPLE PARTS MUST BE FULLY INSPECTED. FAI REPORT MUST BE VALIDATED AND APPROVED BY APPLE INC. SQE.

9. ALL TOOLING, FIXTURING AND OTHER UNIQUE ITEMS THAT ARE USED TO CREATE THIS PART ARE THE PROPERTY OF APPLE INC. AND SHALL BE PERMANENTLY MARKED IN ACCORDANCE WITH DOCUMENT SRAS-2018.

10. THE DESIGN OF ALL TOOLING OR FIXTURING REQUIRED FOR THE MANUFACTURING OR VERIFICATION OF THE PART SHALL BE APPROVED BY THE APPROPRIATE APPLE INC. ENGINEER PRIOR TO TOOL OR FIXTURE FABRICATION.

11. PART MUST BE PACKAGED AND LABELED IN A MANNER TO ENSURE THAT EACH INDIVIDUAL PIECE CANNOT BE COMPRESSED, DAMAGED, CRUSHED OR ALTERED FROM ITS ORIGINAL STATE DUE TO SHIPPING OR REMOVAL FROM PACKAGING.

12. PART TO BE FREE FROM CONTAMINANTS, LUBRICANTS, AND FLAKES AS SPECIFIED BY APPLE INC. SBE OR SQE.

13. ALL HOMOGENEOUS MATERIALS MUST COMPLY WITH THE FOLLOWING ENVIRONMENTAL SPECIFICATIONS:
    * APPLE INC. REGULATED SUBSTANCES SPECIFICATION, 069-0135
    *APPLE REGULATED SUBSTANCES SPECIFICATION AND TEST PLAN FOR MATERIALS WITH PROLONGED SKIN CONTACT, 099-3470
    *ALL ADHESIVES, COATINGS, AND PAINTS, PRINTING INKS, AND CLEANING AGENTS USED IN THE MANUFACTURING OF THIS PART MUSH COMPLY WITH APPLE VOC SPECIFICATION, 099-22549
    *ALL MATERIALS WITH RECYCLED OR RENERABLE CONTENT MUST COMPLY WITH APPLE RECYCLED & RENEWABLE MATERIAL SPECIFICATION, 099-15583
    FLEX COPPER MUST BE 100% RC HA/ED/HTE COPPER AND 100% RC COPPER SALT BUTTON PLATED.
    COPPER THEORETICAL VOLUME: XX.XX mm3

14. ALL ADHESIVES, COATINGS AND PAINTS, PRINTING INKS, AND CLEANING AGENTS USED IN THE MANUFACTURING OF THIS PART MUST COMPLY WITH THE APPLE INC. VOC SPECIFICATION (099-22549).

15. ALL MATERIALS MUST COMPLY WITH APPLE INC. SPECIFICATION 062-9728, BE UL RECOGNIZED AND MEET THE FOLLOWING REQUIREMENTS:
    * FLEX & STIFFENER MATERIALS MUST HAVE A MINIMUM FLAMMABILITY RATING OF V-2, VTM-2, VW-1 OR BETTER.
    * PCB & FLEX PCB WITH COMPONENTS MUST HAVE MINIMUM FLAMMABILITY RATING OF V-1 OR BETTER.

16. REFER TO APPLE INC. SPECIFICATION DOCUMENT 080-2265 FOR DESIGN REQUIREMENTS.
    REFER TO APPLE INC. SPECIFICATION DOCUMENT 080-3842 FOR CONNECTOR INSPECTION REQUIREMENTS.

17. REFER TO THE PCB RELEASE PACKAGE PROVIDED BY APPLE INC. FOR MASTER GEOMETRY DATA. THIS DRAWING IS SUPPLEMENTAL TO THE MASTER DATA AND TO BE USED TO INDICATE CRITICAL MECHANICAL FEATURES AND TOLERANCES. TOLERANCES ON THIS DRAWING ARE ONLY INTENDED FOR DIMENSIONS ON THIS DRAWING AND NOT FOR ALL DATA IN THE RELEASE PACKAGE.

18. MAXIMUM STRAIN ALLOWED FOR ANY LOCATION ON THE PCBA: ±500 MICROSTRAIN DURING PCB ASSEMBLY, ASSEMBLY PROCESS, SERVICING AND HANDLING. APPLE INC. STANDARD 080-2263 SECTION 4.0 & IPC-JEDEC9704.

19. UNLESS OTHERWISE INDICATED, ALL PANEL TABS TO BE FLUSH/SUB-FLUSH 0.50mm MAX. NO BREAK OUT TAB PROTRUSION ALLOWED PAST OUTLINE.

20. FLEX 3 LAYERS. SEE SHEET 5 FOR THICKNESS & LAYER TRANSITION DETAILS.

21. APPROXIMATE BARE FLEX PART VOLUME: X.XX mm^3 (REF ONLY)
    APPROXIMATE BARE FLEX PART SURFACE AREA: X.XX mm^2 (REF ONLY)

22. PRE-BEND IN LOCATIONS SHOWN.

23. DIMENSION MEASURED PERPENDICULAR TO LINEAR EDGE.

24. MEASUREMENT TO BE TAKEN AFTER SMA & DEPANEL

25. SOLDERMASK AND COVERLAY COLOR: BLACK

26. REFER TO APPLE 080-2265 FOR PLATING ON ALL EXPOSED PADS IN FLEX REGIONS.

27. DO NOT EXTEND EXPOSED COPPER PAST ODB++ FOOTPRINT INTO PANEL.

28. REFERENCE ERS TEST SPEC 099-26734 FOR ALL EE TESTING

29. PRE-BEND IN LOCATIONS SHOWN. PRE-BENDING TO BE PERFORMED POST SMA.

30. PRE-BEND AND ORT TO USE 0.6 MM DIAMETER MANDREL

31. BEND OUT OF PAGE (INNER RADIUS IS ON TOP OF BOARD).

32. BEND INTO PAGE (INNER RADIUS IS ON BOTTOM OF BOARD).

33. PRE-BEND IN LOCATIONS SHOWN. PRE-BEND TO BE PERFORMED AT FATP.

34. CONFORMAL COATING: REQUIRED ON INDICATED COMPONENT OR REGION.

35. NO CONFORMAL COATING ON THIS COMPONENT OR REGION. FULL AREA OF INDICATED COPPER PADS MUST BE FREE OF COATING.

36. DYNAMIC BENDS. FATP VENDORS TO DEVELOP FIXTURE TO DYNAMICALLY TEST. PASS/FAIL CRITERIA: MIN 2000 BEND CYCLES

37. REFER TO APPLE INC. SPECIFICATION DOCUMENT 062-9728 (APPENDIX A SECTION 4) FOR PCB AND FLEX SAFETY REQUIREMENTS.

38. CYCLE TEST THE INDICATED BENDS ON A LOT BASIS. USE R 0.XX mm MANDREL FOR BENDING.
    UNLESS OTHERWISE SPECIFIED, TESTING SHALL BE COMPLETED ACCORDING TO 080-2265.
    CRITERIA: ALL UNITS MUST PASS CONTINUITY TEST AFTER BEND PROCESS IS COMPLETE.
    SAMPLE RATE: 5X SAMPLES PER LOT, CYCLE COUNT: 10X CYCLES PER LOCATION

39. APPLY UNDER FILL TO COMPONENTS AS INDICATED.
    UNDERFILL MATERIAL: UF3810
    INSPECTION: FILLET AROUND ALL SIDES OF PACKAGE TO AT LEAST 1/4 SUBSTRATE HEIGHT. UNDERFILL CONTAMINATION IS NOT ALLOWED IN B2B PINS, TEST POINTS, OR EXPOSED COPPER REGIONS USED FOR ASSEMBLY.

40. APPLY ENCAPSULATION TO COMPONENTS AS INDICATED.
    ENCAPSULATION MATERIAL: EN3945TF
    INSPECTION: COMPLETE ENCAPSULATION OF COMPONENTS REQUIRED IN REGIONS SHOWN. ENCAPSULATION CONTAMINATION IS NOT ALLOWED IN B2B PINS, TEST POINTS, OR EXPOSED COPPER REGIONS USED FOR ASSEMBLY. ENCAPSULATION SHALL NOT EXCEED THE SPECIFIED HEIGHTS.

41. ONGOING RELIABILITY TESTING (ORT) - BEND TESTING
    PROCEDURE: BENDING PROCEDURE FOR CRITICAL LOCATIONS SPECIFIED ON PAGE 9.
    UNLESS OTHERWISE SPECIFIED, TESTING SHALL BE COMPLETED ACCORDING TO 080-02999
    CRITERIA: ALL UNITS MUST PASS CONTINUITY TEST AFTER BEND PROCESS IS COMPLETE.
    SAMPLE RATE: 5X SAMPLES PER LOT
    CYCLE COUNT: 10X CYCLES PER LOCATION

42. THIS DOCUMENT WAS GENERATED BY THE APPLE INC. PRODUCT DESIGN MCO CAD FILE FOR COMPONENT RESTRICTION OUTLINES & BOARD OUTLINE DIMENSIONS.

43. LASER BARCODE ON PI STIFFENER, CENTERED ON STIFFENER SURFACE. 2.5X2.5MM IN SIZE.

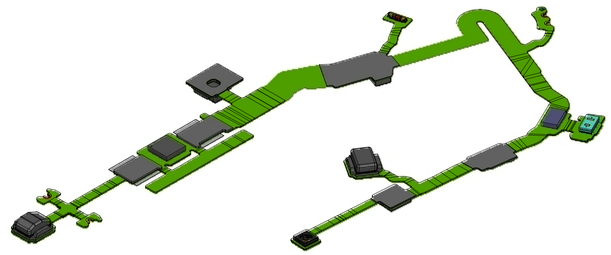
44. BARE FLEX VENDOR TO APPLY ATMOSPHERE PLASMA TO ENTIRE FLEX SURFACE. FOLLOW APPLE DFM APPROVED PARAMETERS.

45. ALL DIMENSIONS MEASURED FROM NOMINAL SIZE COMPONENT EDGE TO NOMINAL SIZE FLEX OUTLINE
    MEASURED AT DOWNSTREAM SMT VENDOR CM

46. FLEX FAB VENDOR / DV TO IGNORE

47. APPLY UV GLUE TO REGIONS AS INDICATED.
    UV GLUE MATERIAL: UV COLLTECH CT2288GIF
    INSPECTION: UV GLUE CONTAMINATION IS NOT ALLOWED

48. APPLY UNDER FILL TO COMPONENTS AS INDICATED.
    UNDERFILL MATERIAL: NAMICS 42
    INSPECTION: FILLET AROUND ALL SIDES OF PACKAGE TO AT LEAST 1/4 SUBSTRATE HEIGHT. UNDERFILL CONTAMINATION IS NOT ALLOWED IN B2B PINS, TEST POINTS, OR EXPOSED COPPER REGIONS USED FOR ASSEMBLY.



METRIC		Apple Inc.
DRAFTER: APPLE PD	DATE: 01/14/25	NOTICE OF PROPRIETARY PROPERTY: THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSSESSOR AGREES TO THE FOLLOWING: (i) TO MAINTAIN THIS DOCUMENT IN CONFIDENCE (ii) NOT TO REPRODUCE OR COPY IT (iii) NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART (iv) ALL RIGHTS RESERVED
DESIGNER: APPLE PD	DATE: 01/14/25	
DIMENSIONS ARE IN MILLIMETERS TOLERANCES X.X ±0.2 X.XX ±0.10 X.XXX ±0.050 ANGLES ±0.5° DO NOT SCALE DRAWINGS		TITLE: MCO,FLEX,SYSTEM,LEFT,EVT,B788
		DRAWING NUMBER: 056-22440 REV. 11
THIRD ANGLE PROJECTION	SIZE D	SCALE: NONE SHT 1 OF 14

NX GENERATED

DRAWING CONTENTS LIST

SHEET NUMBER	DESCRIPTION	INSTRUCTIONS
1	NOTES	ASSOCIATE SMART NOTE CALL-OUTS PER DRAWING SHEET/VIEWS
2	OUTLINE DIMENSION	HIGHLIGHT MAX X & Y DIRECTION OUTLINE DIMENSIONS
3	STIFFENER AREAS	HIGHLIGHT STIFFENER AREAS VIA ASSOCIATIVE NOTES AND FILL WITH CROSS-HATCH
4	INSPECTION DIMENSION	HIGHLIGHT POST-SMT DIMENSIONS
5	STACK-UP ZONES	HIGHLIGHT ALL ZONES, TRANSITONS WITH LABELS AND UPDATE MATERIAL/THICKNESS VALUES
6	SMT COMPONENTS LIST	HIGHLIGHT COMPONENT POSITION AND DATUM REFERENCES. UPDATED REF DES CALL-OUT TABLE
7	EXPOSED COPPER AREAS	HIGHLIGHT COPPER AREAS VIA ASSOCIATIVE NOTES AND FILL WITH CROSS-HATCH
8	BEND AREAS	HIGHLIGHT CRITICAL BEND AREAS AND PRE-BEND REQUIREMENTS ALONG WITH AXIS ORIENTATION
9	COATED AREAS	HIGHLIGHT COATED AREAS VIA ASSOCIATIVE NOTES AND FILL WITH CROSS-HATCH
10	APPLIED GLUE AREAS	HIGHLIGHT GLUE AREAS VIA ASSOCIATIVE NOTES AND FILL WITH CROSS-HATCH
11	ADHESIVE PARTS LIST	CREATE PARTS LIST FOR ADHESIVES AND TAG APPROPRIATE AREAS WITH CALL-OUTS
12	APPLIED ADHESIVE AREAS	HIGHLIGHT ADHESIVE AREAS VIA ASSOCIATIVE NOTES AND FILL WITH CROSS-HATCH
13	AUTO-PLACED COMPONENTS	FOR REFERENCE ONLY
14		

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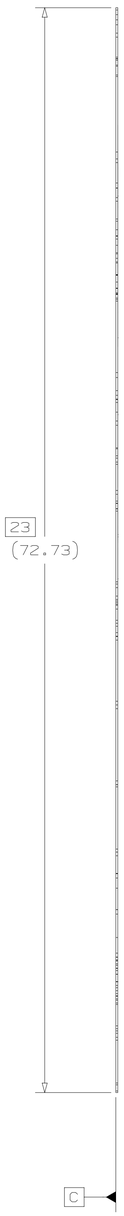
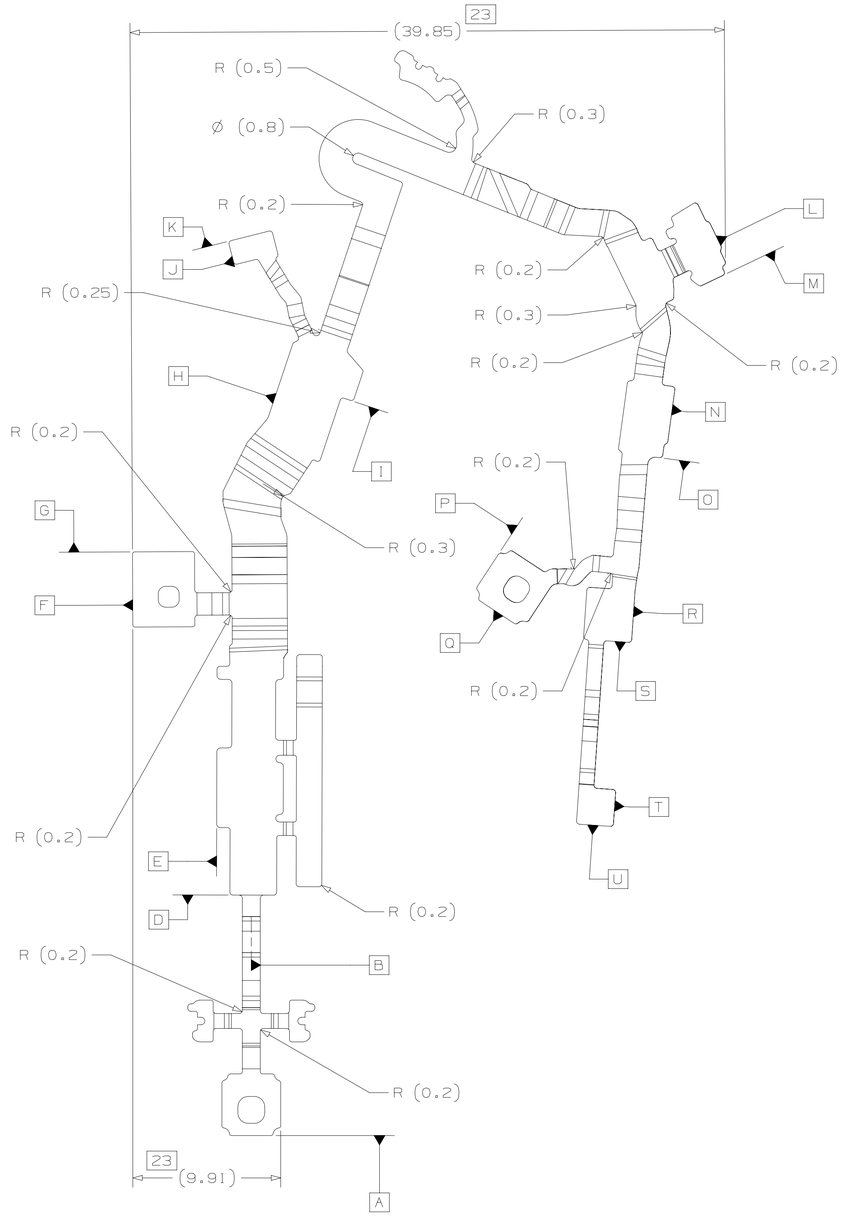
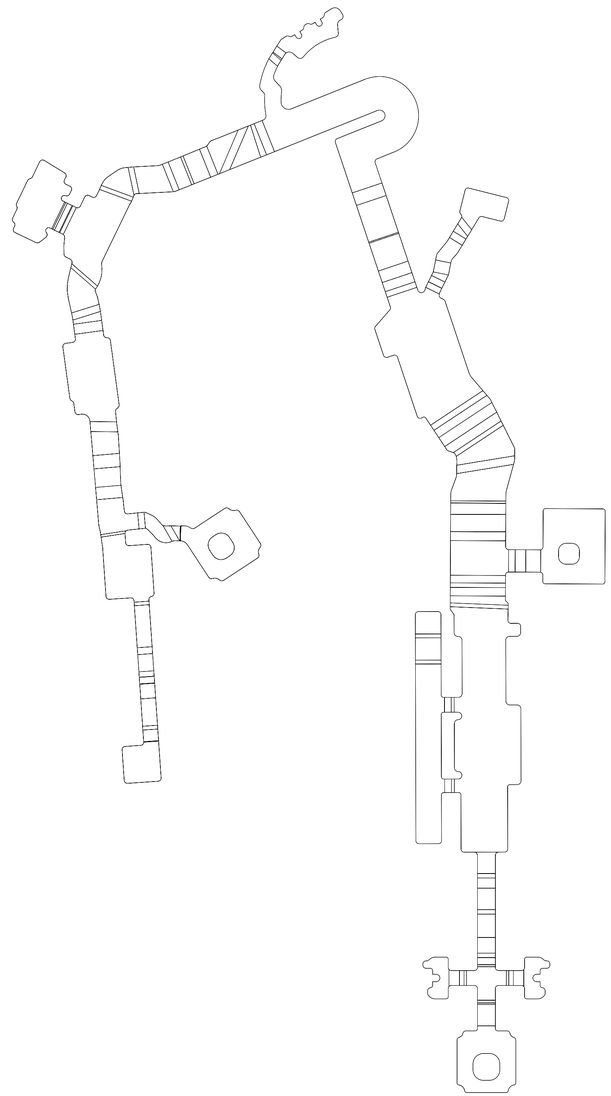
SIZE	DRAWING NUMBER	REV.
D	056-22440	11
SCALE: NONE	SHT 2 OF 14	

TOPSIDE VIEWED FROM TOP





BOTTOM SIDE VIEWED FROM BOTTOM



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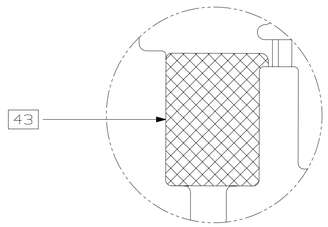
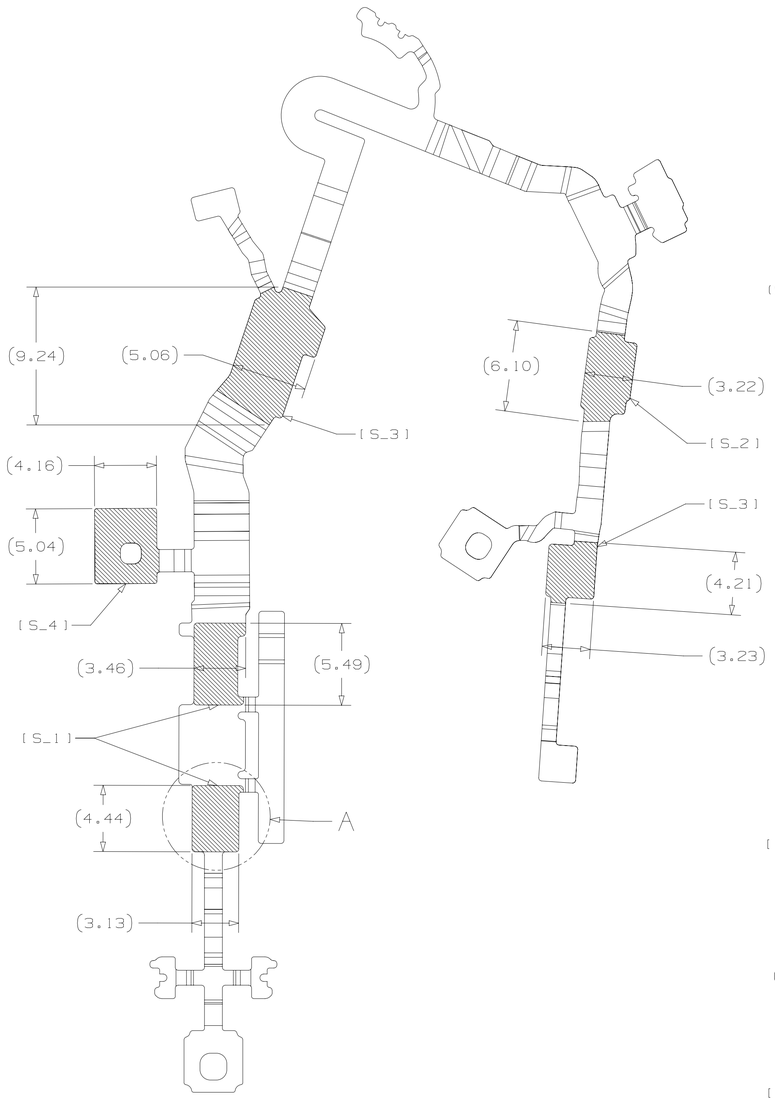
REGION	DESCRIPTION
S_1	PI STIFFENER, 0.20MM INCLUDING ADHESIVE
S_2	PI STIFFENER, 0.10MM INCLUDING ADHESIVE
S_3	PI STIFFENER, 0.05MM INCLUDING ADHESIVE
S_4	FUNCTIONAL STIFFENER (821-05726), 0.095MM INCLUDING CONDUCTIVE ADHESIVE (TSC200-60GD)
S_5	304 1/2H STIFFENER, 0.100MM INCLUDING 0.025MM ADHESIVE

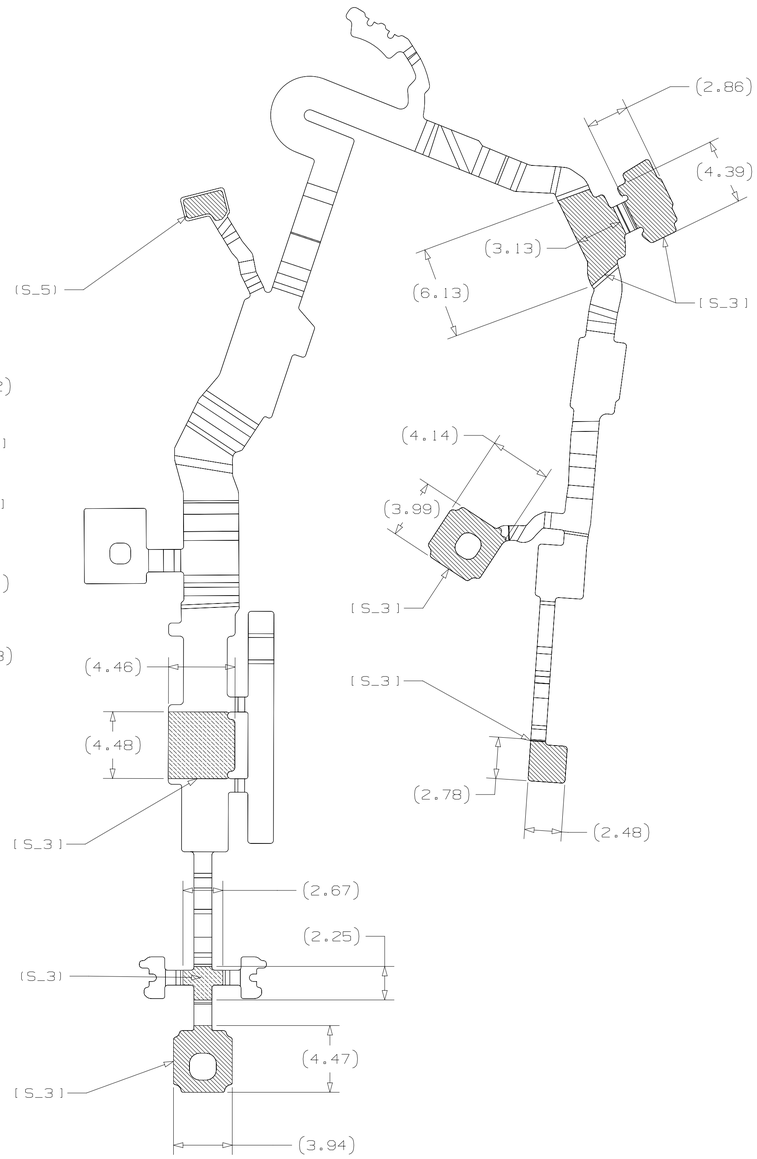


DETAIL A
SCALE 10:1

TOPSIDE STIFFENERS VIEWED FROM TOP [24] [46]



BOTTOMSIDE STIFFENERS VIEWED THRU TOP [24] [46]



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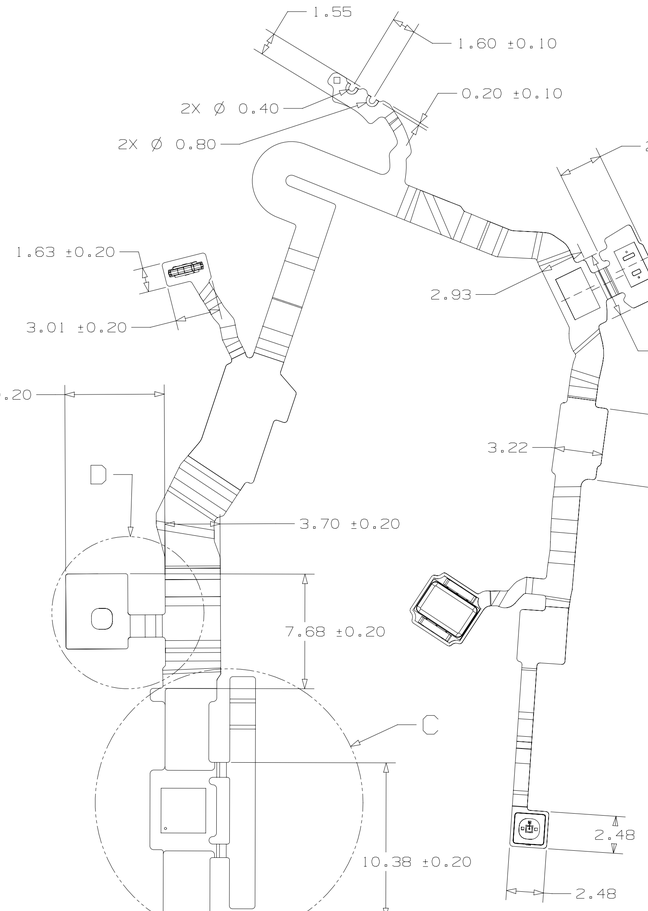
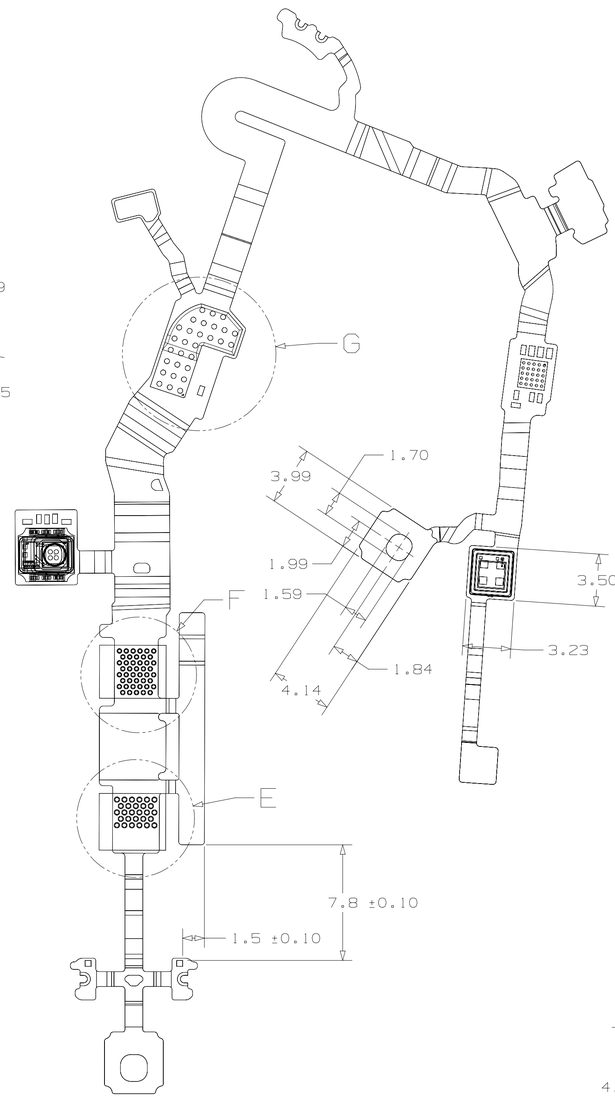
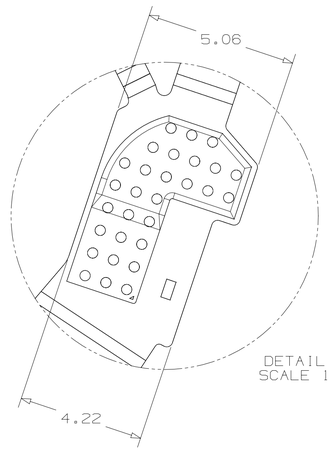
SIZE	DRAWING NUMBER	REV.
D	056-22440	11
SCALE: NONE	SHT 4 OF 14	

TOP VIEW 46 47

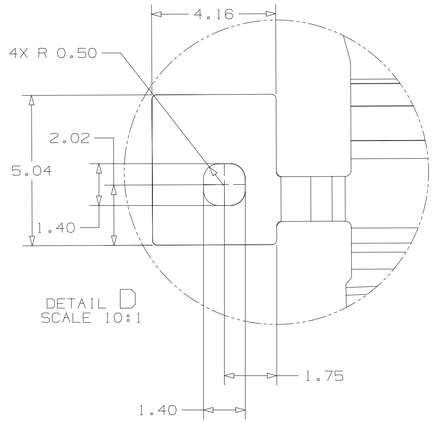


BOT VIEW (VIEWED THRU TOP) 46 47

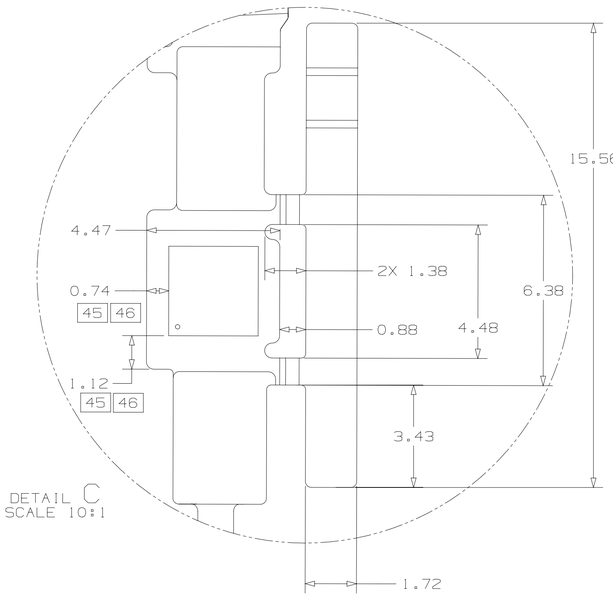




DETAIL G
SCALE 10:1



DETAIL D
SCALE 10:1



DETAIL C
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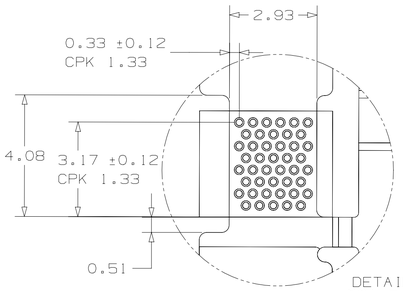

DETAIL F
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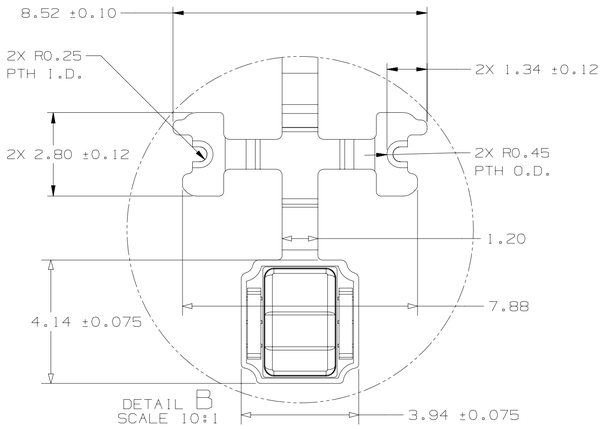
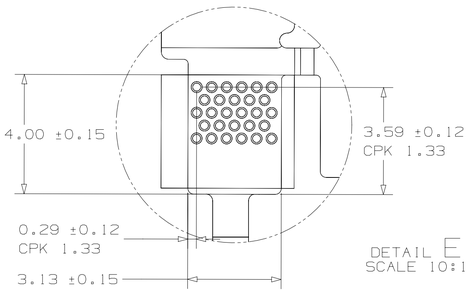


DETAIL B
SCALE 10:1



DETAIL E
SCALE 10:1

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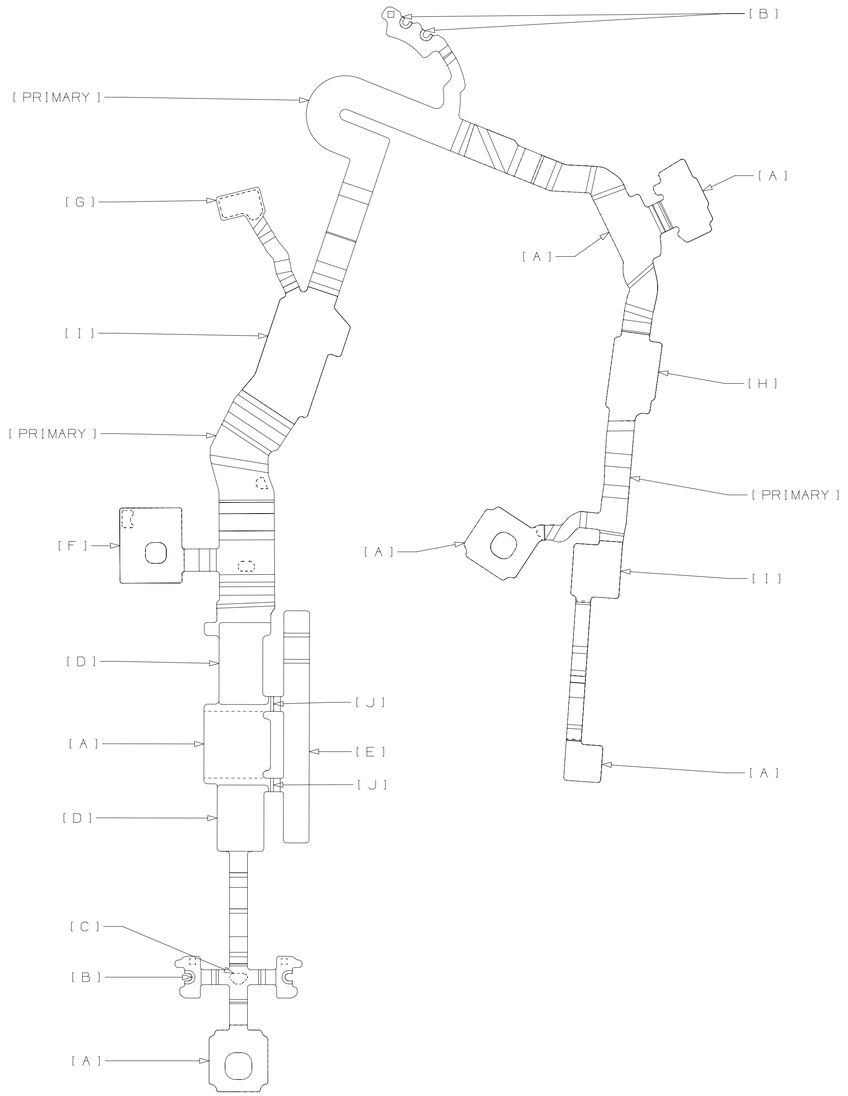
MATERIALS

	CONFIG 1
SINGLE SIDE FCCL	NEXFLEX RI205SPX(II)
LPI	TAMURA APB-280-32HR
COVERLAY	DUPONT HXC 1220
BONDING SHEET	TAIFLEX BT20
50 MICRON THICK PI STIFFENER	TAIFLEX FHB1025L3
100 MICRON THICK PI STIFFENER	TAIFLEX RGSB3025
200 MICRON THICK PI STIFFENER	TAIFLEX RHB7025
DOUBLE SIDE FCCL (ETCH DOWN TO 12UM CU BOTH SIDES PER STACKUP)	NEXFLEX RI805DNX(II)
100 MICRON THICK SUS 304 1/2H STIFFENER	AASM
115 MICRON THICK SUS 304 1/2H STIFFENER	AASM

STACK UP ZONES

REGION	THICKNESS	TOLERANCE	DESCRIPTION
PRIMARY	0.1311	0.020	CVL TOP, 3 LAYER CU, CVL BOTTOM
A	0.1684	0.025	ENIG TOP W/SELECTIVE PLATING, 3L CU, CVL + 0.05 PI STIFFENER BOTTOM
B	0.1057	0.016	ENIG W/SELECTIVE PLATE TOP AND BOTTOM, 3L CU
C	0.1564	0.034	CVL TOP, 3L CU, ENIG W/SELECTIVE PLATE BOTTOM, 0.05 PI STIFFENER BOTTOM
D	0.3224	0.048	0.200 PI STIFFENER + CVL TOP, 3L CU, LPI BOTTOM
E	0.1311	0.020	CVL TOP, 3L CU, CVL BOTTOM
F	0.2174	0.033	FUNCT STIFF AND CVL TOP, 3L CU, LPI BOTTOM
G	0.2154	0.032	ENIG TOP W/SELECTIVE PLATING, 3L CU, CVL + 0.100 SUS STIFFENER INC ADHESIVE BOTTOM
H	0.2224	0.033	0.100 PI STIFFENER + CVL TOP, 3L CU, LPI BOTTOM
I	0.1724	0.026	0.05 PI STIFFENER + CVL TOP, 3L CU, LPI BOTTOM
J	0.0517	0.008	PSEUDO 1L CU ON L2

THICKNESS & STACKUP



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SMT COMPONENTS
APPLE INC. REFERENCE ONLY
TOP COMPS VIEWED FROM TOP

45 46

FLEX FAB VENDOR TO IGNORE

SMT COMPONENTS
APPLE INC. REFERENCE ONLY
BOT COMPS VIEWED THRU TOP

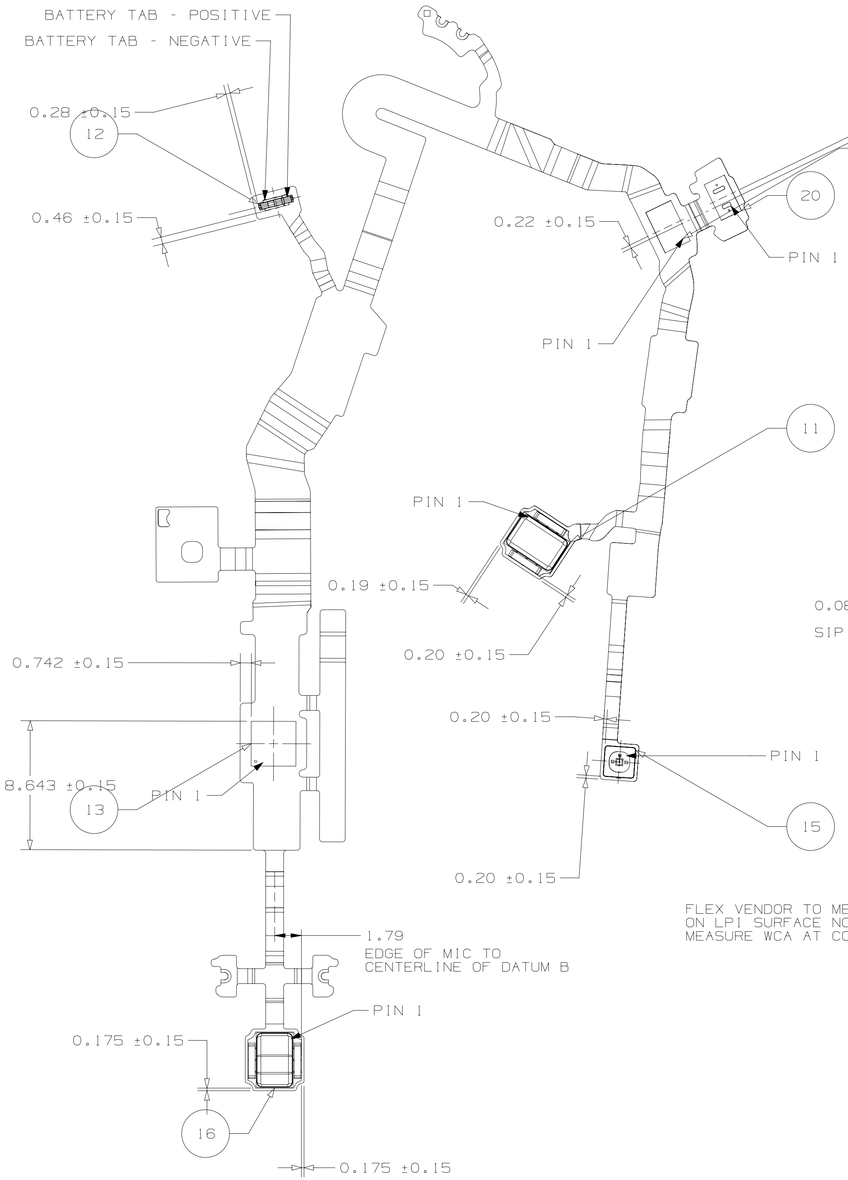
45 46

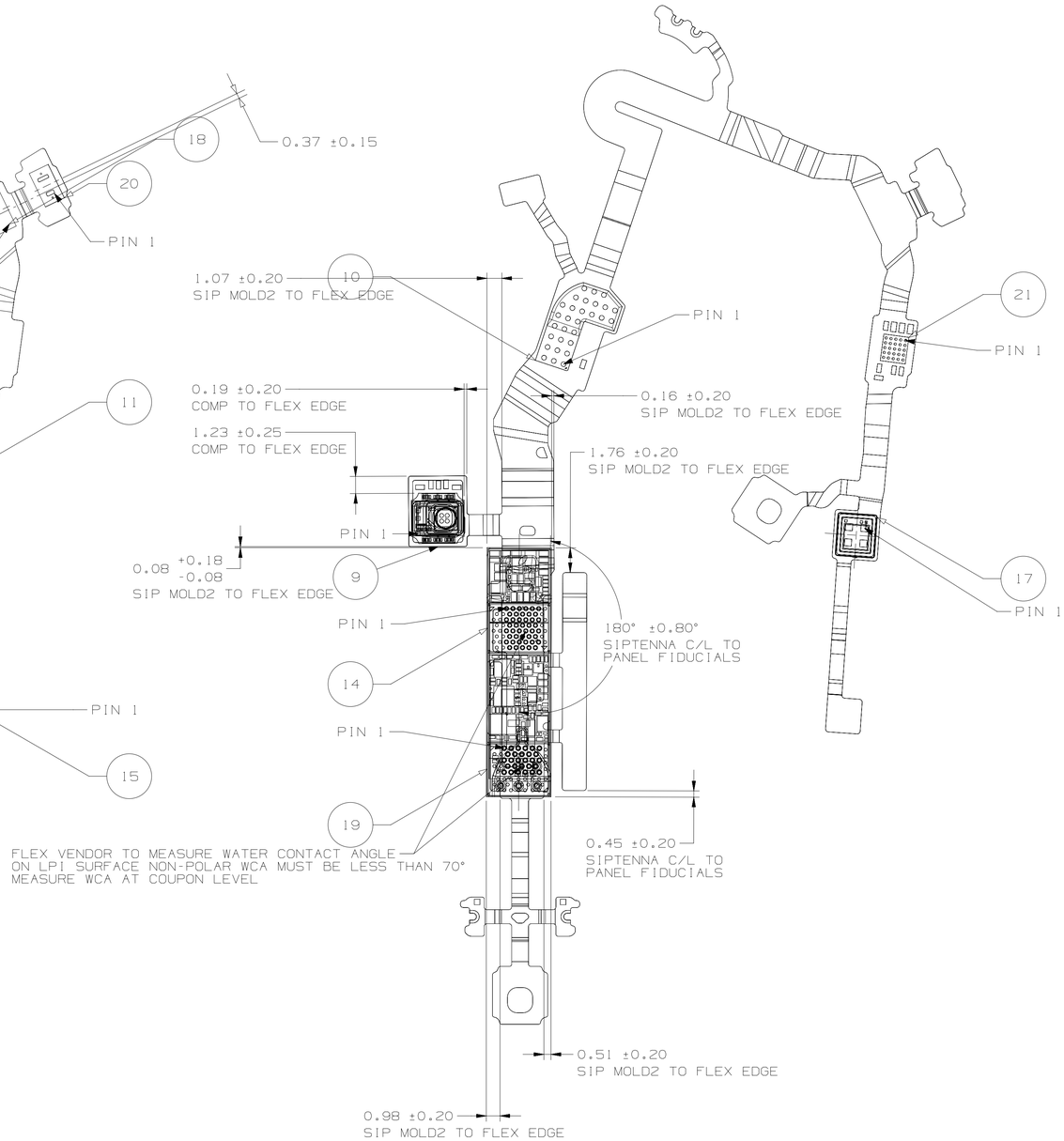
FLEX FAB VENDOR TO IGNORE

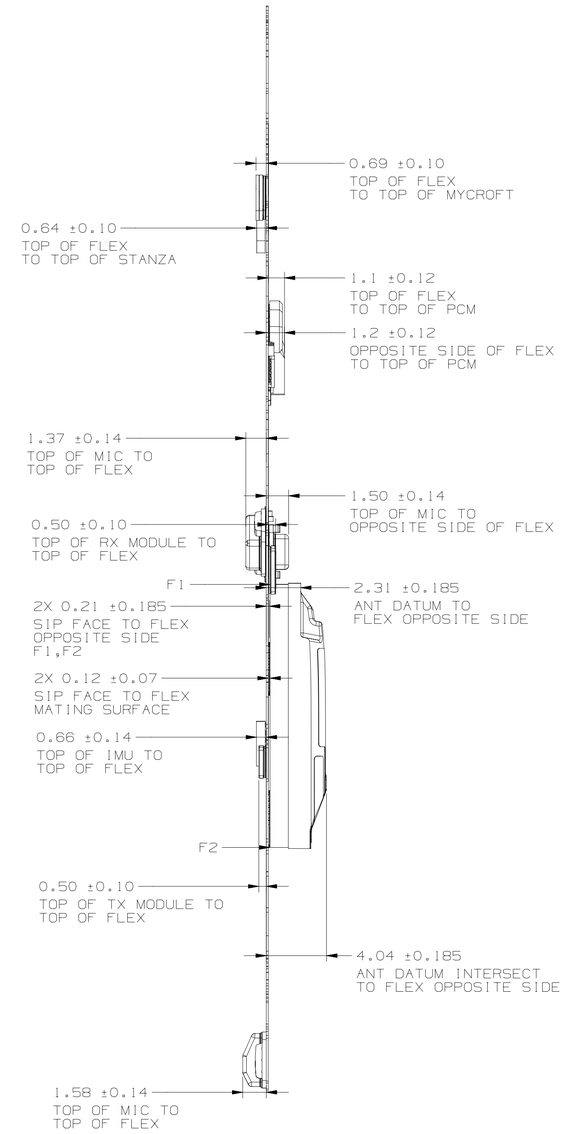
▽PC ALL POSITIONAL DIMENSION SHOWN ON THIS PAGE
DESTRUCTIVE MEASUREMENT QUANTITY PER BUILD = 3pcs

SMT COMPONENTS LIST

COMP NO.	REF_DES	PART NUMBER	OFFICIAL PART DESCRIPTION	LAYER
21	U0701	353S04047	353S04047	22
20	SP0700	380-00323	MODULE,VIM,LARGE,MYCROFTLITE,X2544	21
19	J0301	998-35831	INTERPOSER,FOOTPRINT D,DRAGONET,P2,B788	22
18	U0700	339M00373	339M00373	21
17	U0703	380-00275	MODULE,RX,IR,ASE,X3769	22
16	U0501	731-00346	731-00346	21
15	U0702	380-00273	MODULE,TX,IR,ASE,X3769	21
14	J0300	998-35832	INTERPOSER,FOOTPRINT D,GOBY,P2,B788	22
13	U0401	338S00858	338S00858	21
12	J0600	516S01381	CONN,PLG,HRS,BKI9PE,1+2P,H0.5,P0.3,W1.0	21
11	[...]	731-00345	731-00345	[...]
10	U0402	339M00354	339M00354	22
[9	U0500]	[731-00345	[731-00345	[21]







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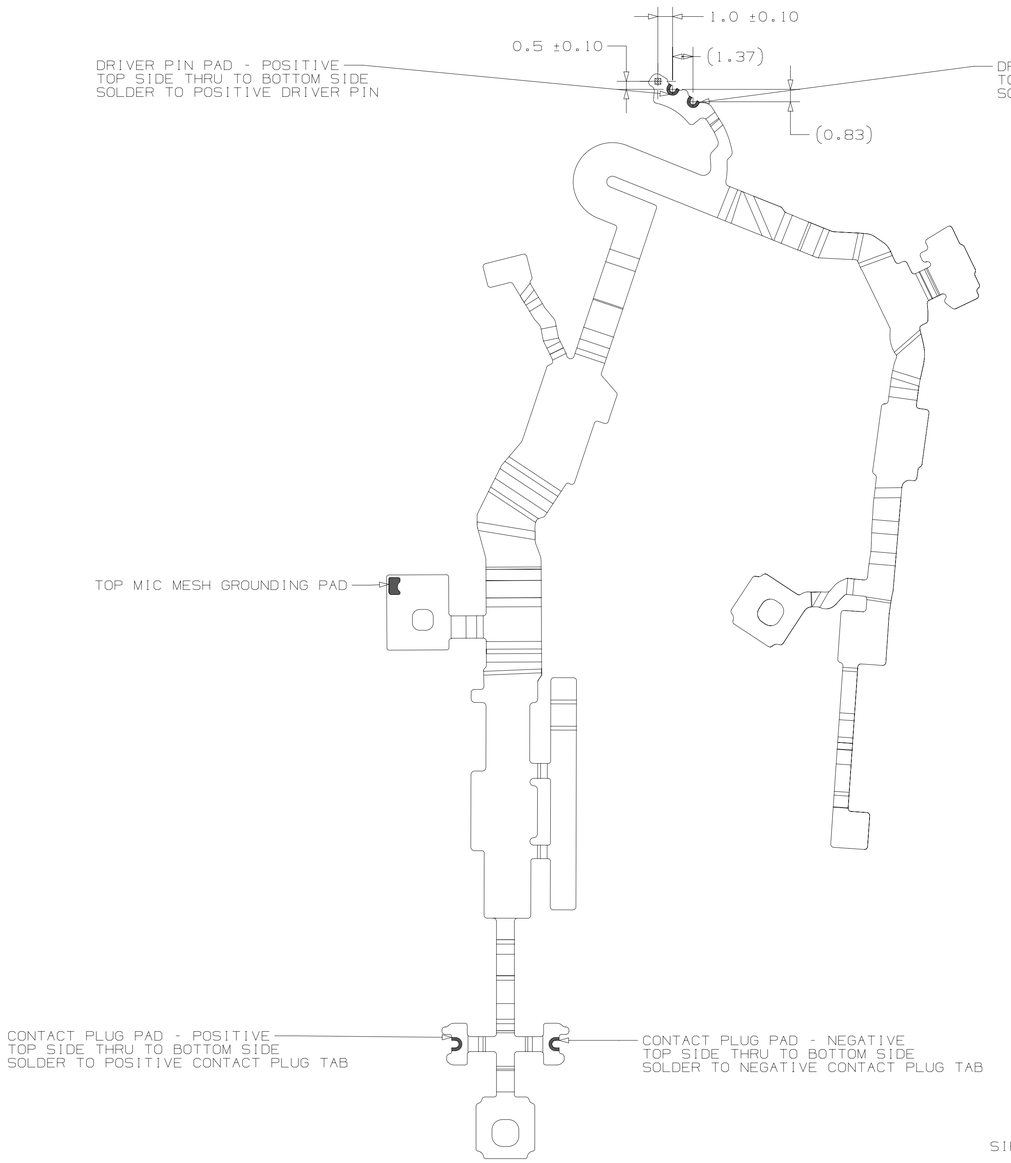
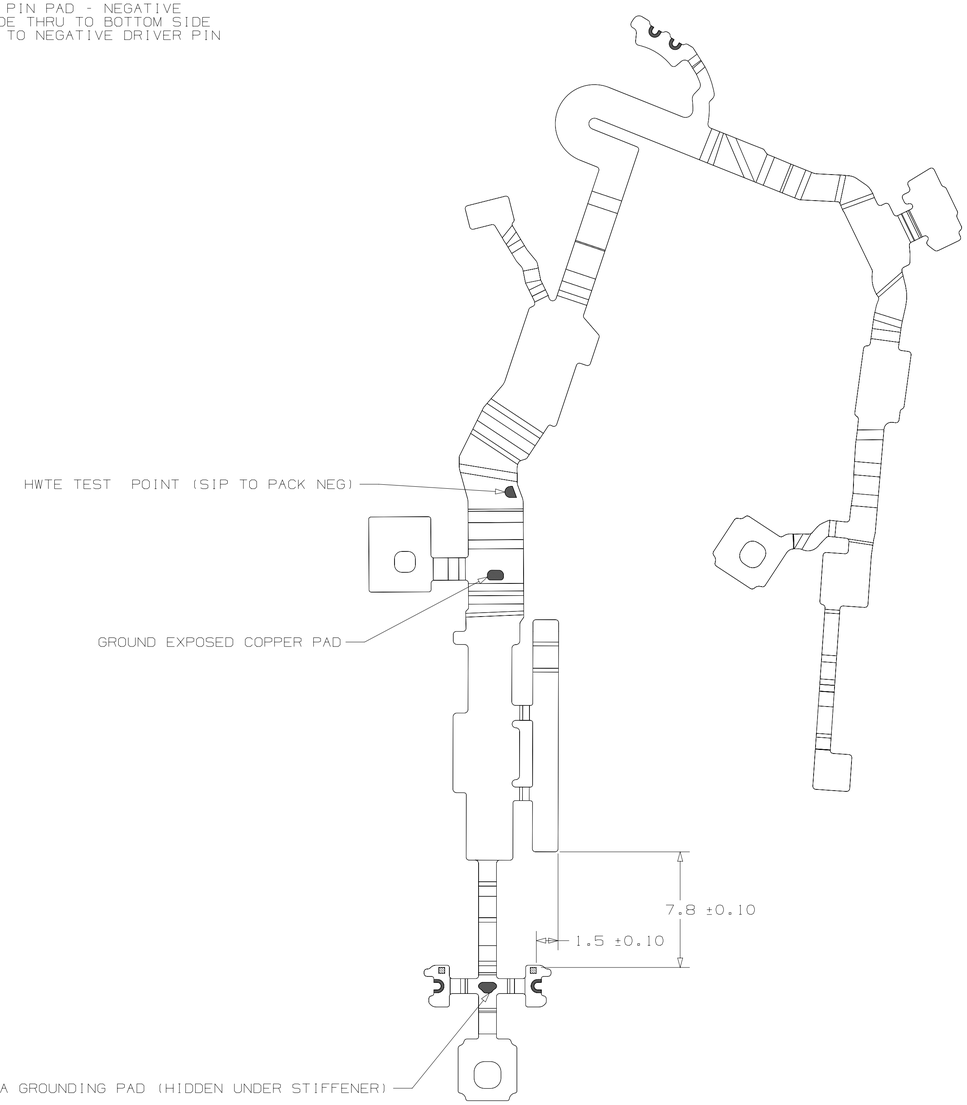
COPPER PAD MATING AREAS
APPLE INC. REFERENCE ONLY
TOP SIDE VIEWED FROM TOP



COPPER PAD MATING AREAS
APPLE INC. REFERENCE ONLY
BOTTOM SIDE VIEWED THRU TOP



Apple Inc.

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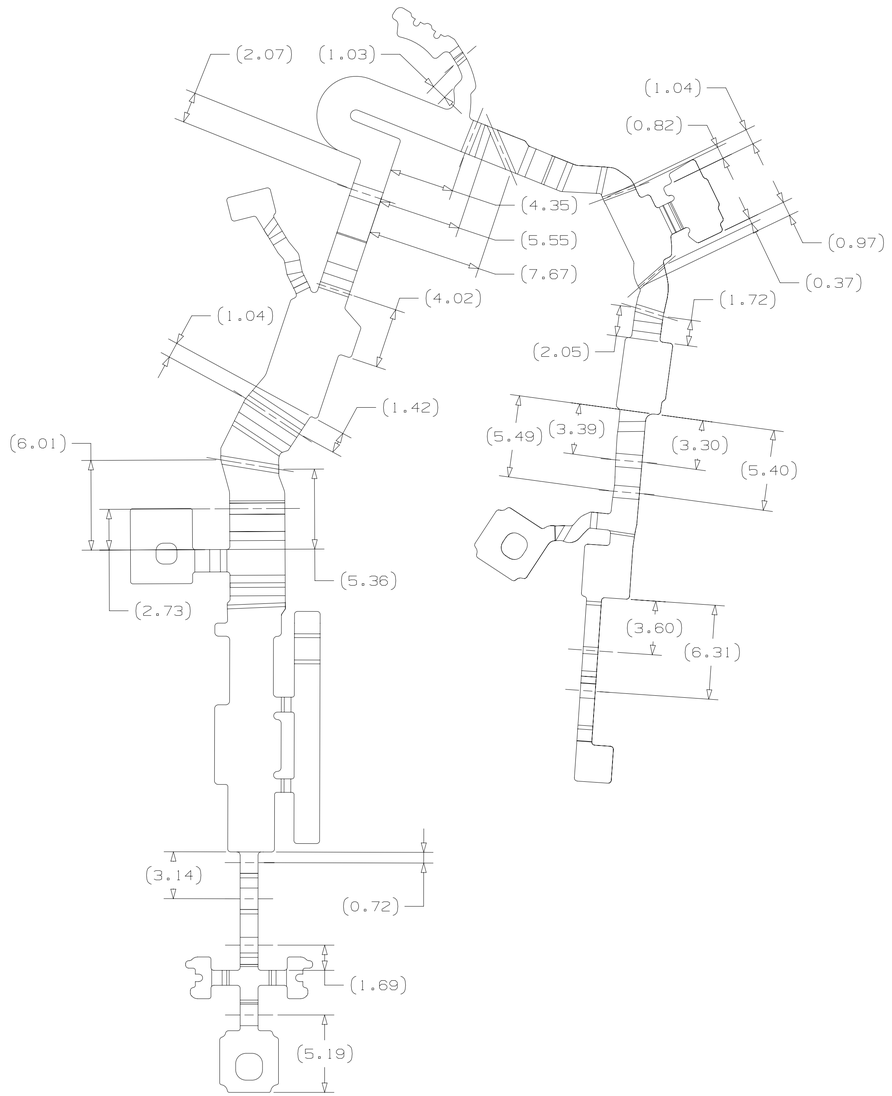
D	056-22440	11
SCALE: NONE	SHT 8 OF 14	

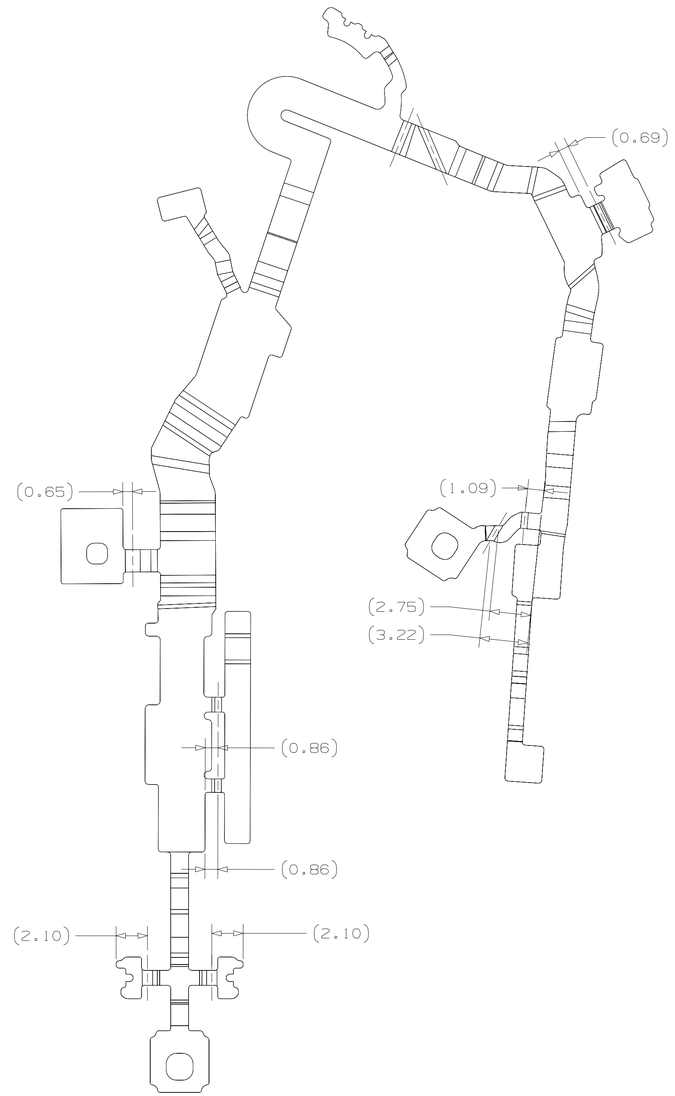
NX GENERATED

POR BENDS (FATP TO PERFORM) VIEWED FROM TOP

22 31 36 38 41

BEND PARAMETERS INCLUDED IN IDX
ONLY PRE-BEND LOCATIONS, SIZE,
AND DIMENSIONS SHOWN





Apple Inc.

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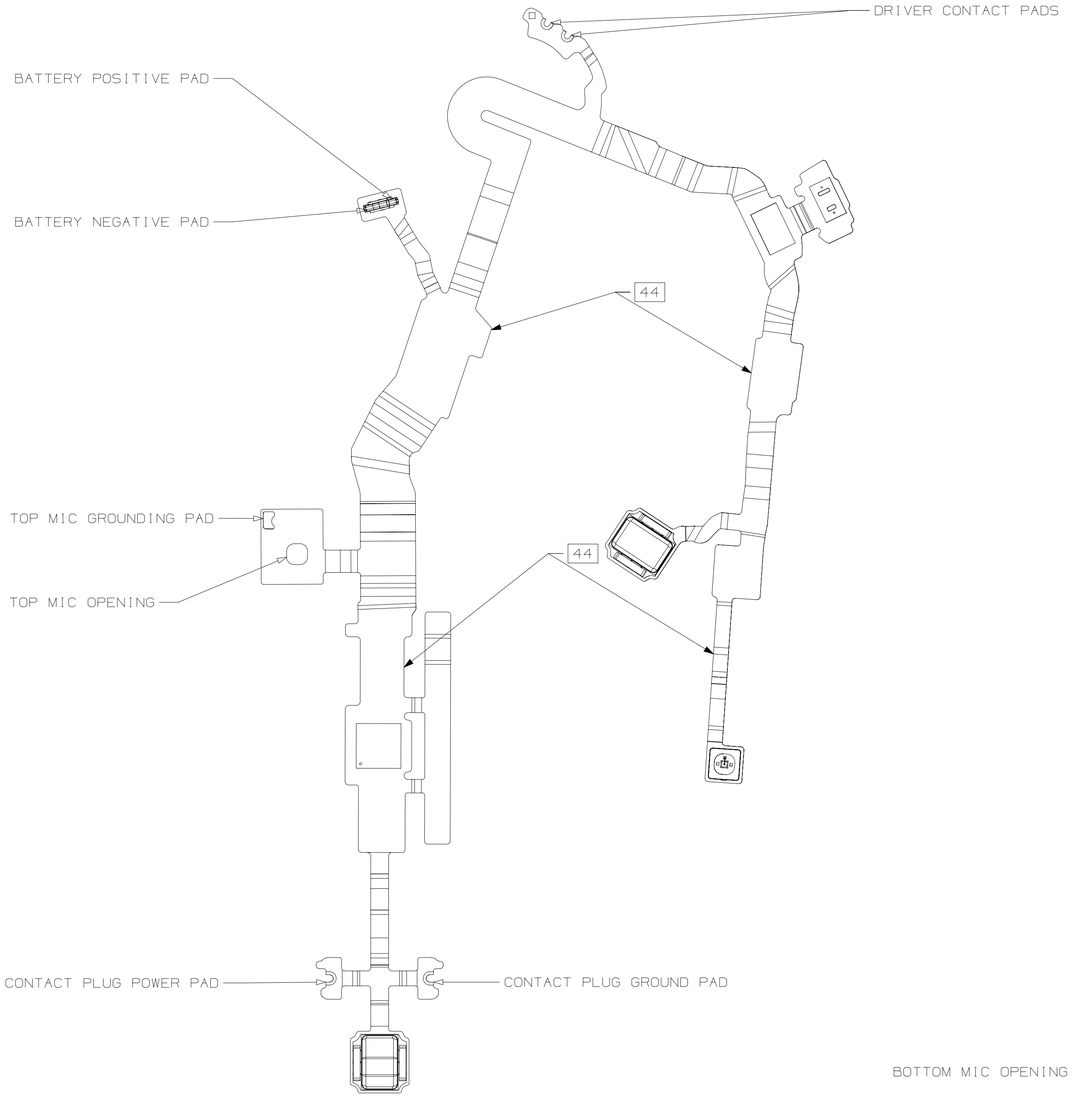
SCALE: NONE	SHT 9 OF 14	

NX GENERATED

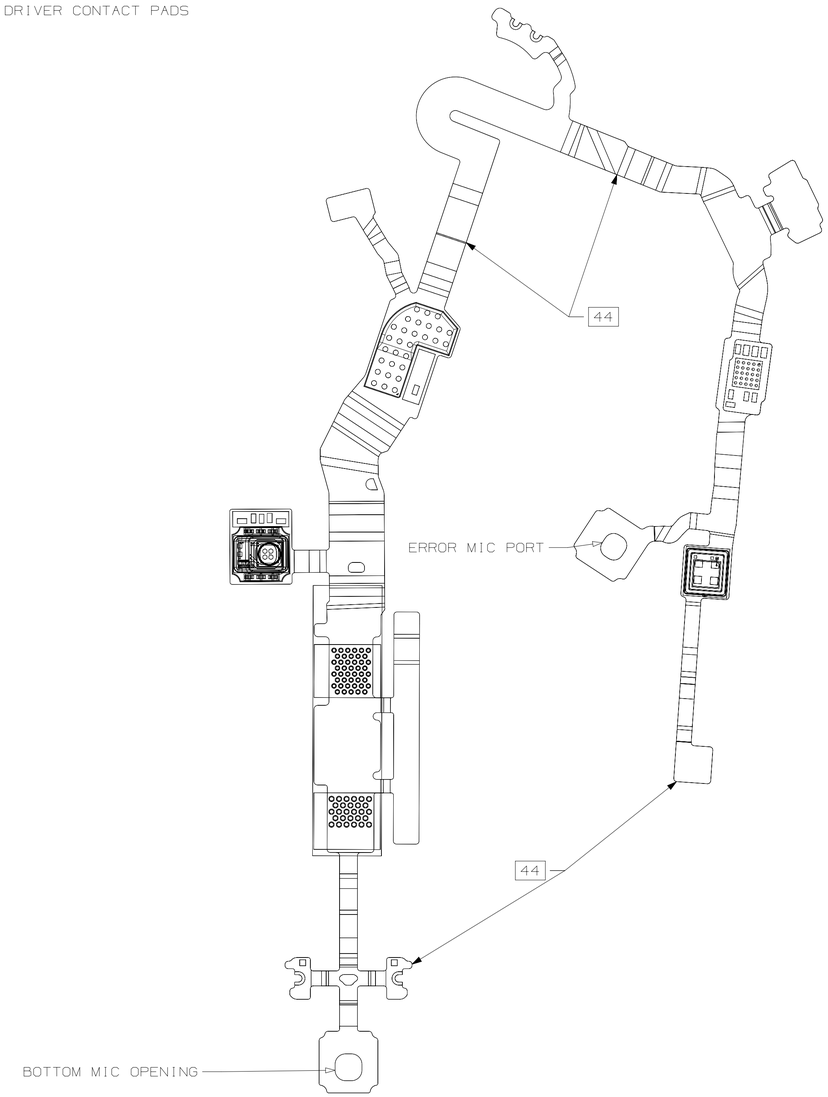
TOP SIDE ATMOSPHERE PLASMA ENTIRE FLEX (TOP SIDE VIEWED FROM TOP)

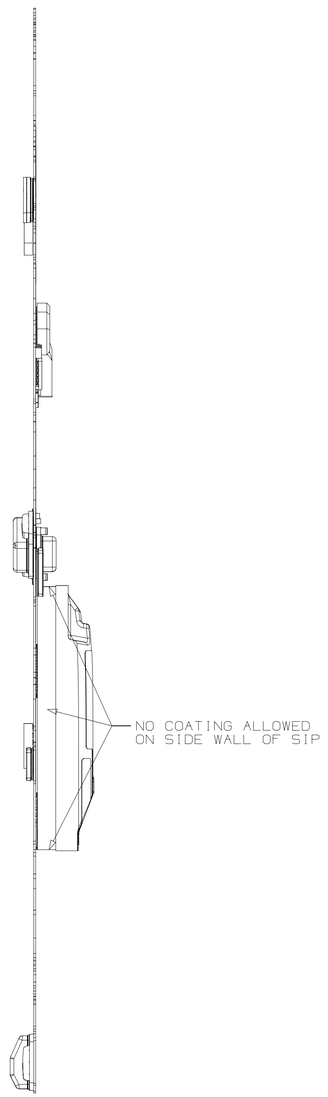
35 44 46



BOT SIDE ATMOSPHERE PLASMA ENTIRE FLEX (BOTTOM SIDE VIEWED THRU TOP)

35 44 46

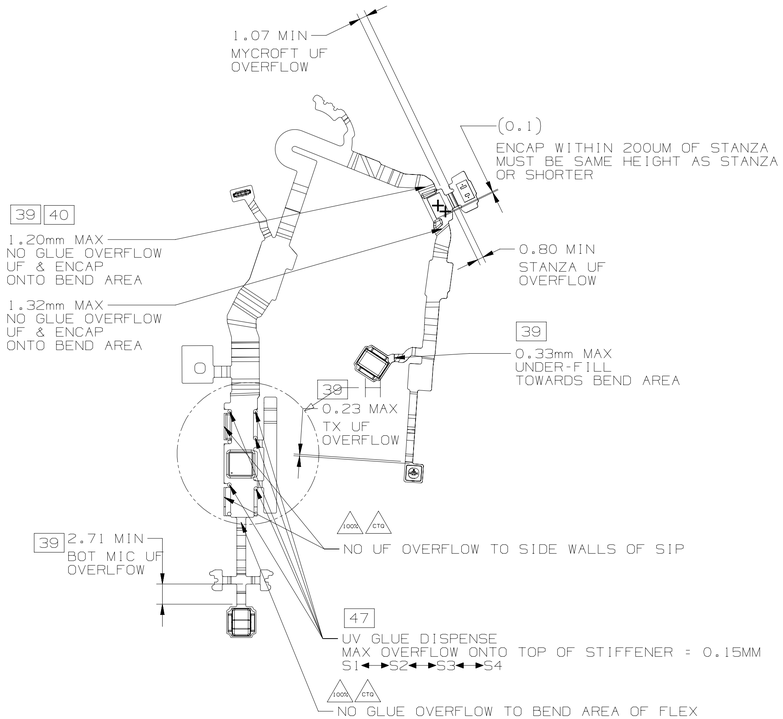




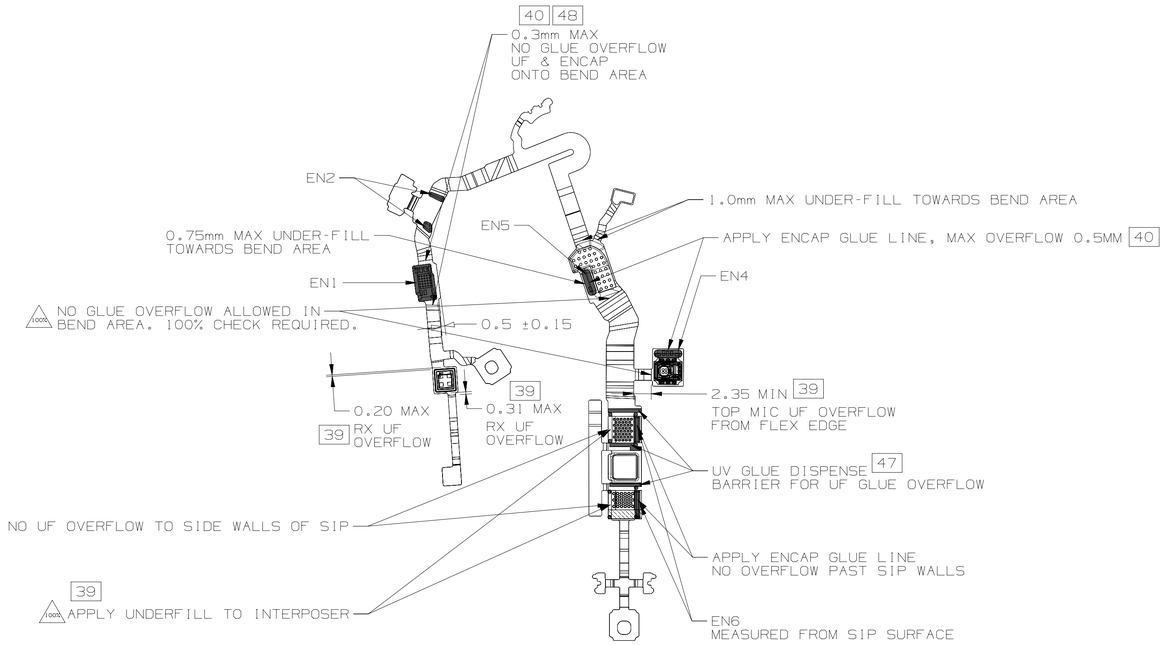
Apple Inc.

SIZE	DRAWING NUMBER	REV.
D	056-22440	11
SCALE: NONE	SHT 10 OF 14	

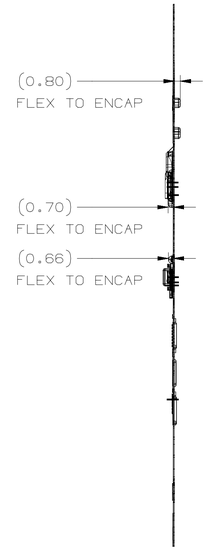
TOP SIDE ENCAPSULATION & UNDERFILL [39] [40] [46] [48]
(TOP SIDE VIEWED FROM TOP)
(FPC VENDOR TO IGNORE)

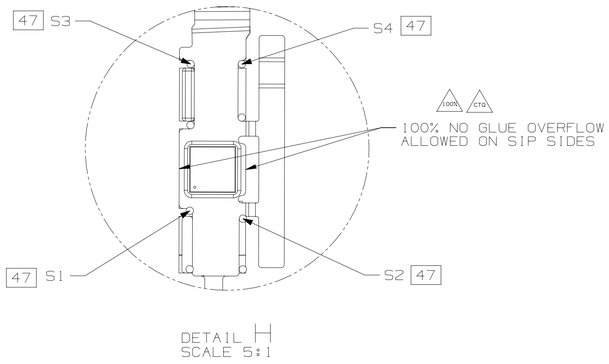


BOTTOM SIDE ENCAPSULATION & UNDERFILL [39] [40] [46] [48]
(BOTTOM SIDE VIEWED THRU BOTTOM)
(FPC VENDOR TO IGNORE)



ENCAPSULATION & UNDERFILL
SIDE VIEW
(FPC VENDOR TO IGNORE)





DETAIL H
SCALE 5:1

MAXIMIMUM COMPONENT + ENCAP HEIGHT MEASURED FROM FLEX SURFACE

ENCAP AREA	TOTAL MAX ENCAP HEIGHT
EN1	0.80
EN2	0.75
EN3	N/A
EN4	0.65
EN5	0.95
EN6	0.51 (MEASURED FROM SIP SURFACE)

Apple Inc.

SIZE	DRAWING NUMBER	REV.
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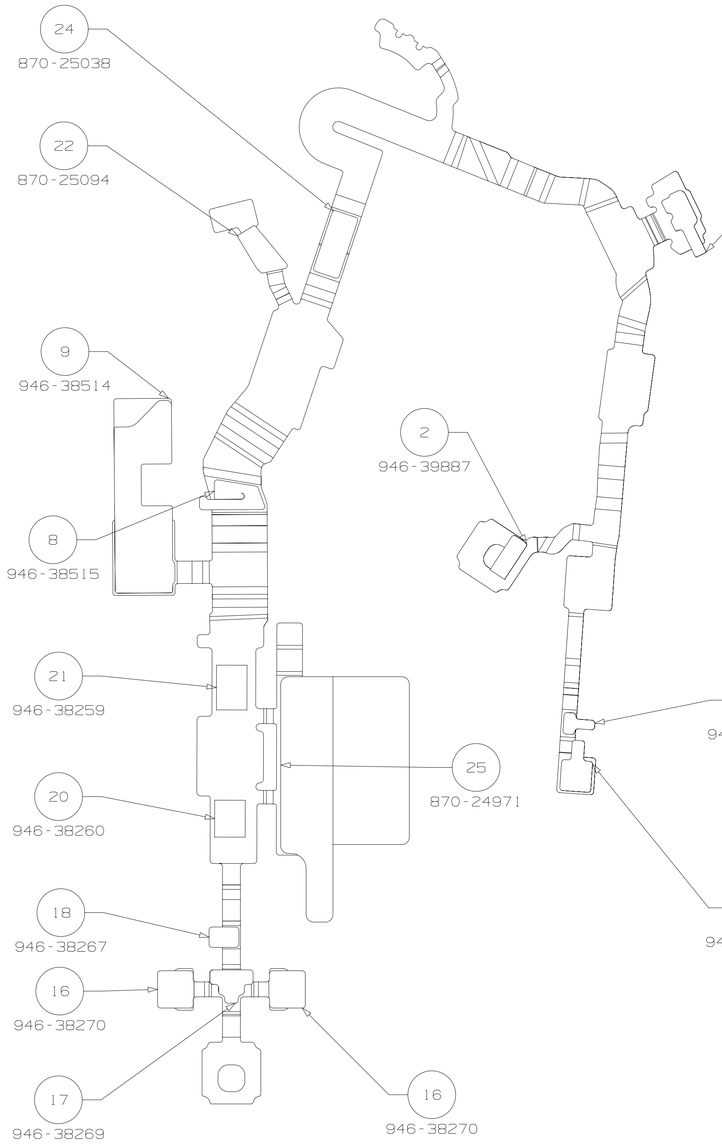
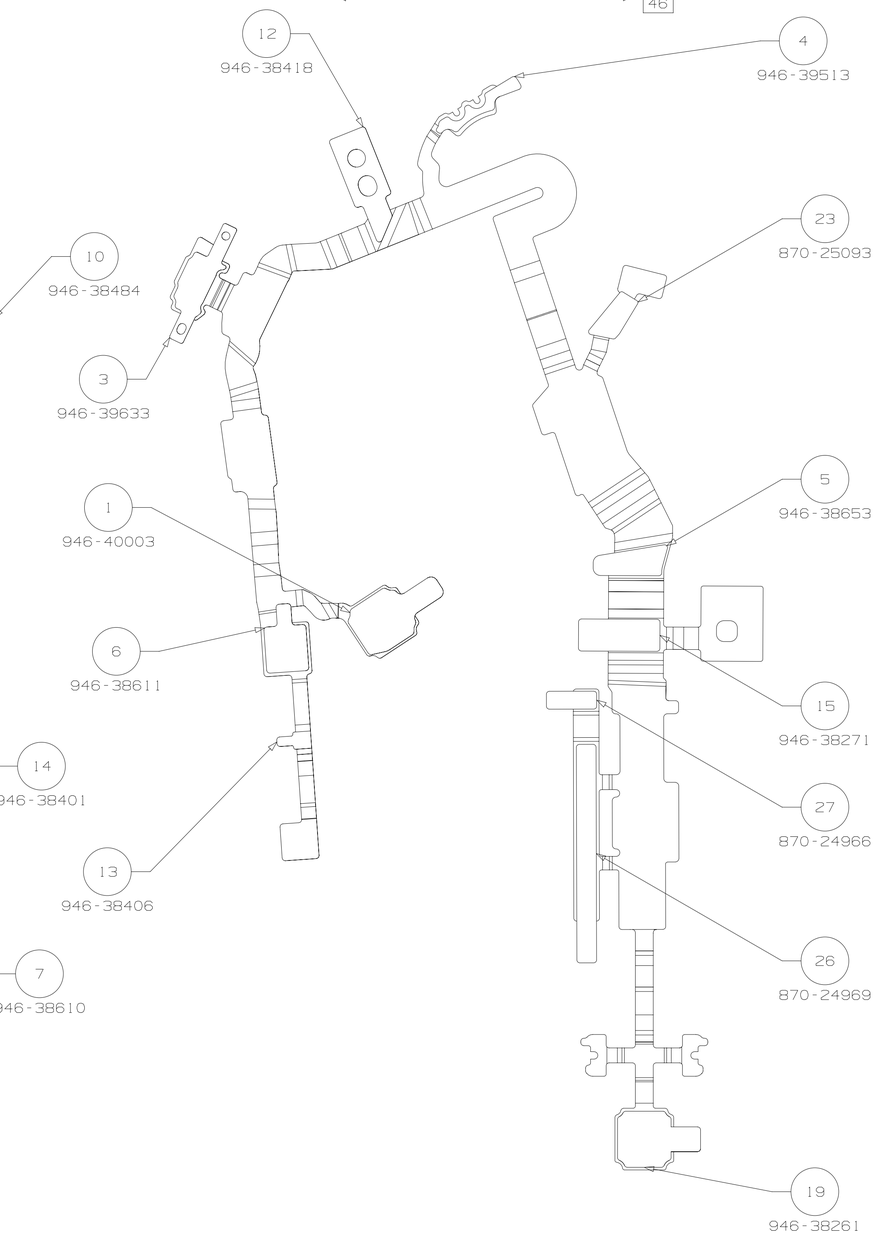
NX GENERATED

ITEM NO.	PART NUMBER	OFFICIAL PART DESCRIPTION	QTY
27	870-24966	SHIM PSA V3,TAB,FORCE,P2,B788	1
26	870-24969	SHIM FOAM V4,L,FORCE,P2,B788	1
25	870-24971	BEND LINER V2,L,FORCE,P2,B788	1
24	870-25038	PSA,FLEX,BATTERY,P2,B788	1
23	870-25093	FOAM,B2B ARM,P2,L,B788	1
22	870-25094	PSA,B2B ARM,BATTERY,L,P2,B788	1
21	946-38259	FOAM,SIPTENNA,BIASING,UPPER,P2,B788	1
20	946-38260	FOAM,SIPTENNA,BIASING,LOWER,P2,B788	1
19	946-38261	PSA, BOTTOM MIC FRAME, P2, B788	1
18	946-38267	PSA,SERVICE LOOP,BOTTOM MIC,P2,B788	1
17	946-38269	C-PSA, BOTTOM MIC CAN, P2, B788	1
16	946-38270	PSA,CONTACT PLUG WING,P2,B788	2
15	946-38271	PSA,TOP MIC CAN,P2,B788	1
14	946-38401	PSA,PPG,FLEX2CAP,P2,B788	1
13	946-38406	PSA,PPG,FLEX2FLEX,P2,B788	1
12	946-38418	PSA,TRIANGLE,L,P2,B788	1
11	946-38428	PSA,IED,R,P2,B788	1
10	946-38484	PSA,IED,L,P2,B788	1
9	946-38514	PSA,FUNCTIONAL,STIFFENER,LEFT,P2,B788	1
8	946-38515	PSA,SERVICE LOOP,PCM,L,P2,B788	1
7	946-38610	PSA,ACTIN,ALT,TX,B788	1
6	946-38611	PSA,ACTIN,ALT,RX,B788	1
5	946-38653	PSA,TEST POINT COVER,P2,B788,L	1
4	946-39513	PSA,DRIVER,PINS,L,P2B,B788	1
3	946-39633	HAF,IED,SANDWICH,L,P2B,B788	1
2	946-39887	PSA,BOARD,ESD,V2,LASER,L,B788	1
1	946-40003	PSA,ERROR MIC,EVT,B788	1

TOP SIDE PSA & LINERS
(TOP SIDE VIEWED FROM TOP)
(FPC VENDOR TO IGNORE) 46



BOTTOM SIDE PSA & LINERS
(BOTTOM SIDE VIEWED THRU BOTTOM)
(FPC VENDOR TO IGNORE) 46



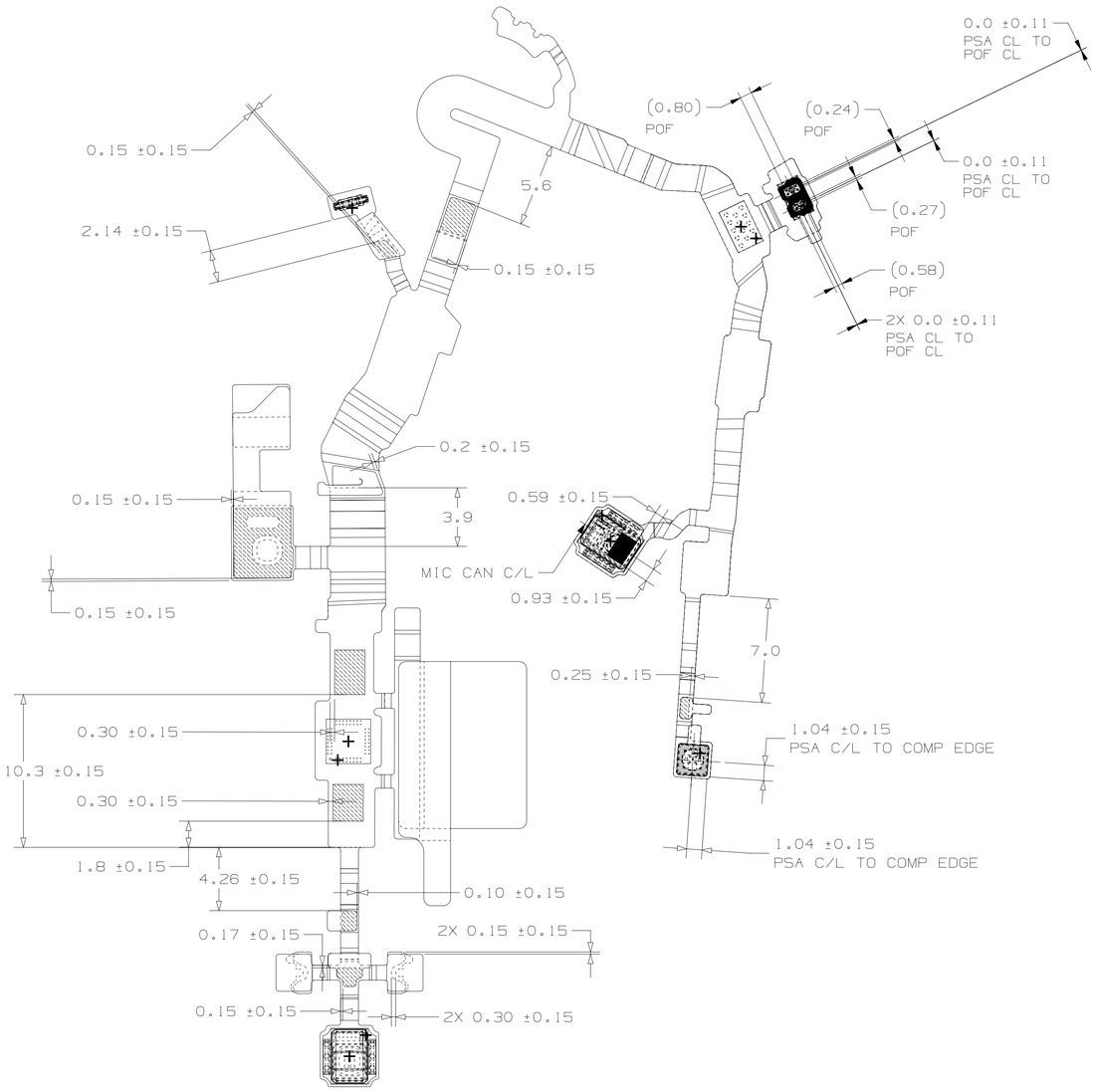
Apple Inc.

SIZE	DRAWING NUMBER	REV.
D	056-22440	11

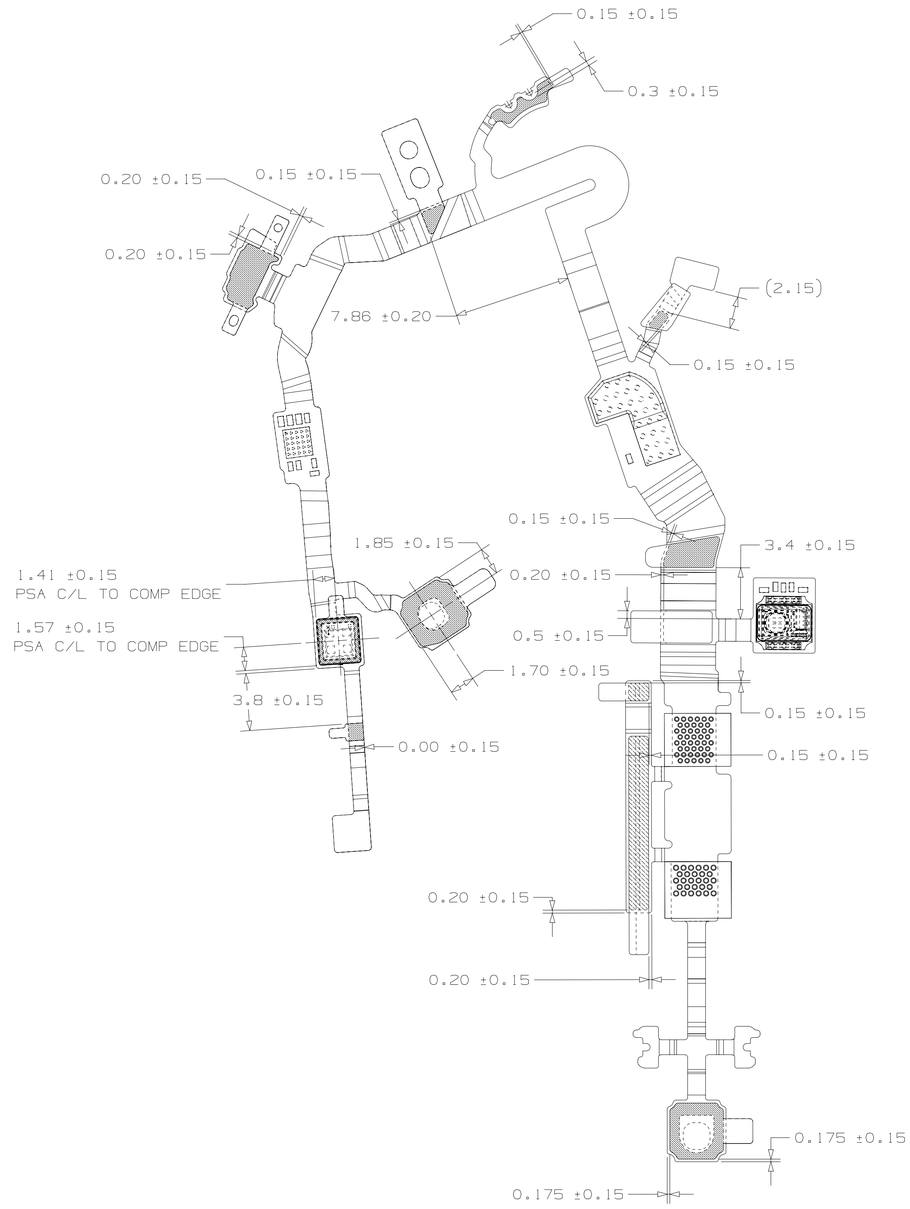
SCALE: NONE SHT 12 OF 14

NX GENERATED

TOP SIDE PSA
(TOP SIDE VIEWED FROM TOP)
(FPC VENDOR TO IGNORE)



BOTTOM SIDE PSA
(BOTTOM SIDE VIEWED THRU BOTTOM)
(FPC VENDOR TO IGNORE)

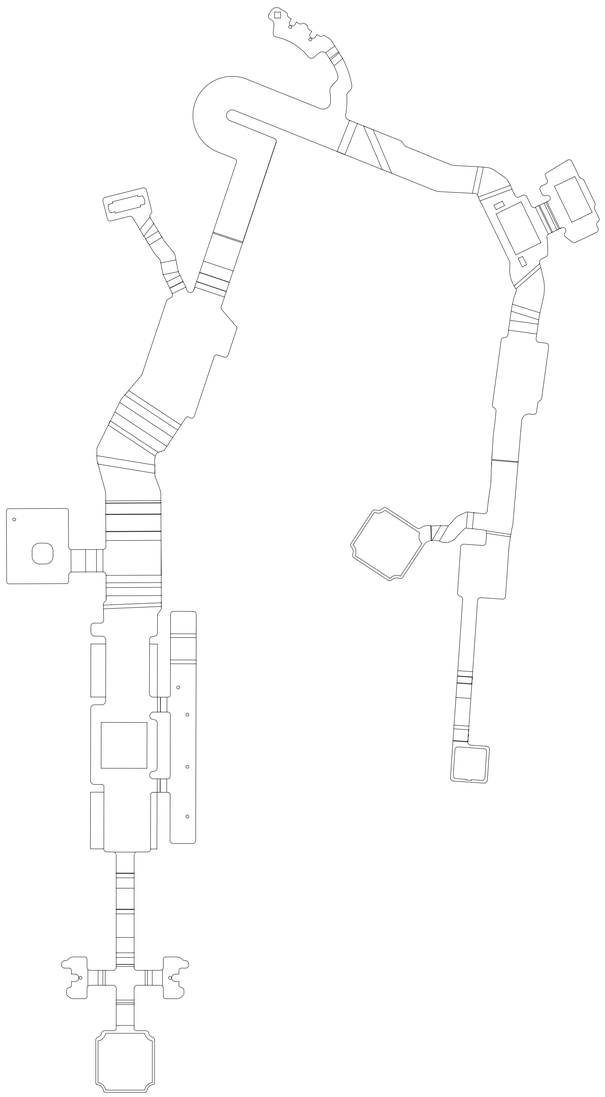


Apple Inc.

SIZE	DRAWING NUMBER	REV.
D	056-22440	11
SCALE: NONE	SHT 13 OF 14	

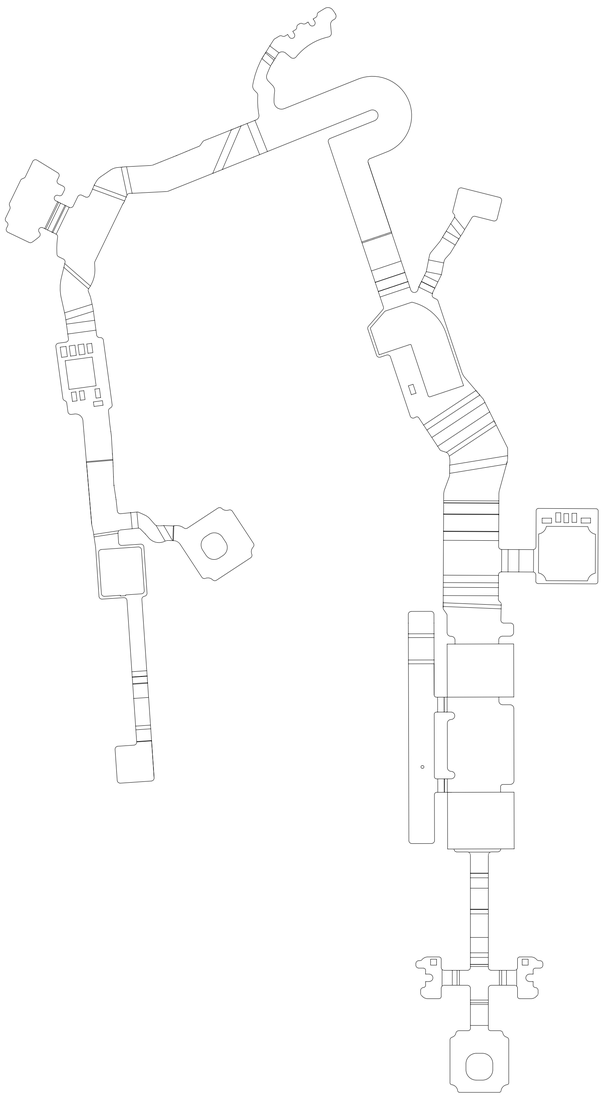
SMT COMPONENTS AUTO PLACED
APPLE INC. REFERENCE ONLY
TOP COMPS VIEWED FROM TOP

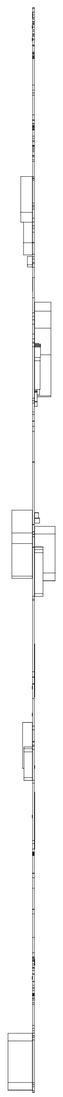
FLEX FAB VENDOR TO IGNORE 48



SMT COMPONENTS AUTO PLACED
APPLE INC. REFERENCE ONLY
BOT COMPS VIEWED THRU TOP

FLEX FAB VENDOR TO IGNORE 48





Apple Inc.

SIZE	DRAWING NUMBER	REV.
D	056-22440	11

SCALE: NONE | SHT 14 OF 14

NX GENERATED