

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
ALL	A	AASY-70UL9B.VER01	NEW RELEASE	HCL-GM	04/16/2009	A.ASTBURY
	B	AASY-868QB.VER01	ADDED XTALIC PN'S	HCL-GM	06/10/2010	D.SMITH

9 5 1 - 4 X 0 C - X X X

XCede BACKPLANE MODULE MALE STANDARD LOAD

4 PAIR

6-POSITION

PLATING ④	
LETTER	DESCRIPTION
B	Ni SULFAMATE, STANDARD GOLD, LEADED
C	Ni SULFAMATE, HIGH GOLD, LEADED
D	Ni SULFAMATE, STANDARD GOLD, LEAD-FREE
E	Ni SULFAMATE, HIGH GOLD, LEAD-FREE
F	NANO Ni, STANDARD GOLD, LEADED
G	NANO Ni, HIGH GOLD, LEADED
H	NANO Ni, STANDARD GOLD, LEAD-FREE
J	NANO Ni, HIGH GOLD, LEAD-FREE

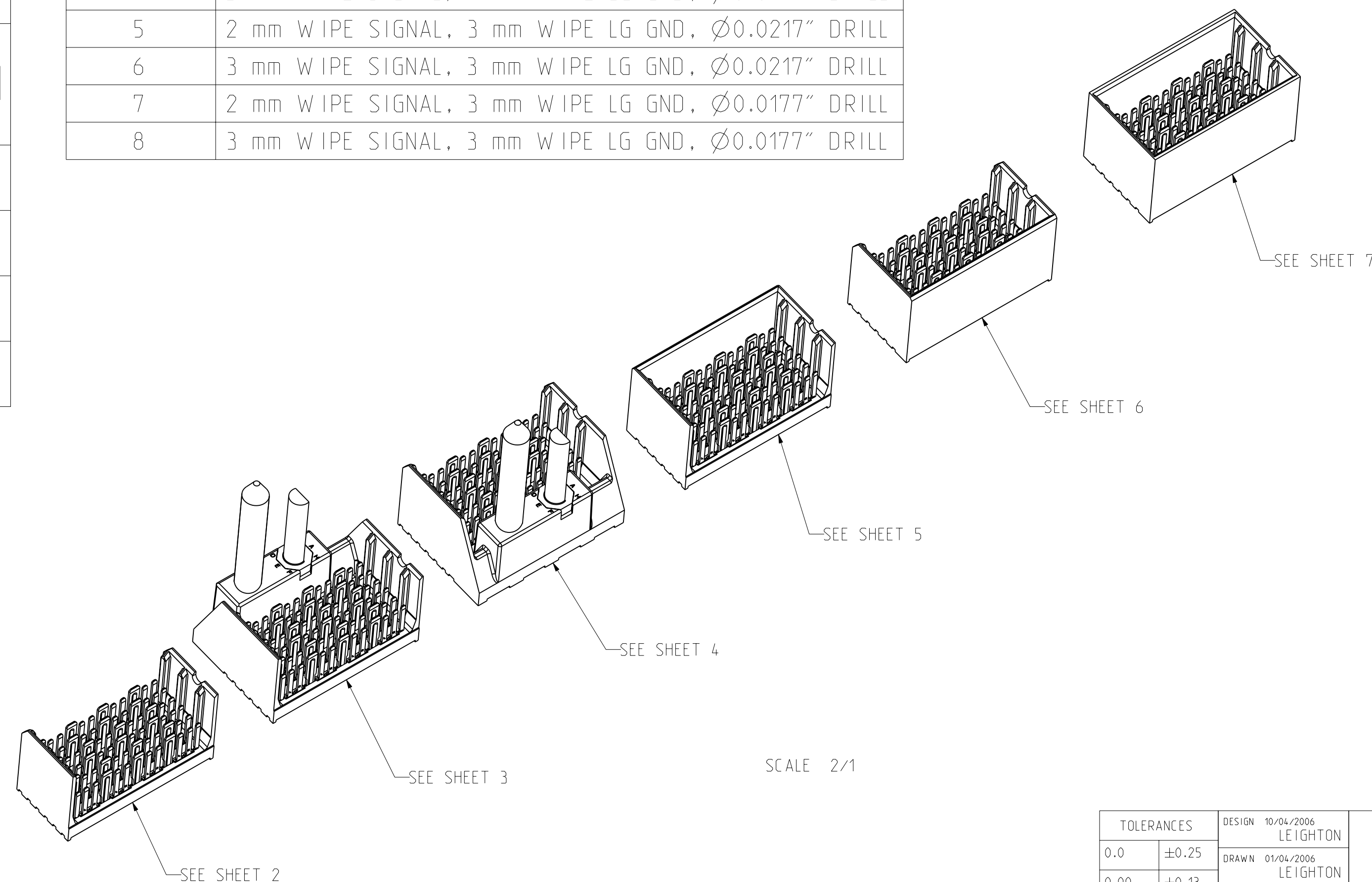
NUMBER	PIN STYLE, HEIGHT
0	GUIDE PIN MACHINED, 31.6mm / NONE
1	GUIDE PIN ROLLED, 31.6mm
4	GUIDE PIN MACHINED, 25.7mm
5	GUIDE PIN ROLLED, 25.7mm

NUMBER	SIGNAL & LG. GROUND WIPE LENGTH, COMPLIANT PIN SIZE
1	2 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø0.0217" DRILL
2	3 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø0.0217" DRILL
3	2 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø0.0177" DRILL
4	3 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø0.0177" DRILL
5	2 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø0.0217" DRILL
6	3 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø0.0217" DRILL
7	2 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø0.0177" DRILL
8	3 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø0.0177" DRILL

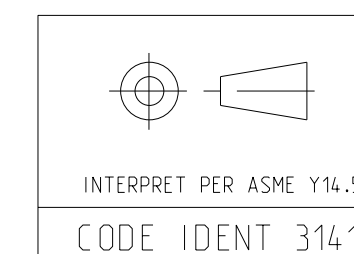
	LETTER									
LEFT POLARIZING GUIDANCE (SEE SHEET 3)	N	J (NO KEY)	A	B	C	D	E	F	G	H
	NO KEY NO GUIDE PIN									
RIGHT POLARIZING GUIDANCE (SEE SHEET 4)	Z	Y (NO KEY)	P	Q	R	S	T	U	V	W
	NO KEY NO GUIDE PIN									
OPEN (SEE SHEET 2)	O (ZERO)									
LEFT WALL (SEE SHEET 5)	L									
RIGHT WALL (SEE SHEET 6)	M									
TWO WALL (SEE SHEET 7)	1									

NOTES:

- REFER TO TB-2150 FOR XCede PRODUCT SPECIFICATIONS.
- ② NOTCH DESIGNATES "ROW A" SIDE OF SHROUD. NOTCH FEATURE ON OPPOSITE SIDE FROM PART MARKING.
- PART MARKING AS FOLLOWS:
 LINE 1: "ATCS" AND DATECODE (ATCS YYWW).
 LINE 2: MODULE PART NUMBER (951-####-###).
 LINE 3: WORK ORDER NUMBER (#####).
 WHERE "*" DENOTES MANUFACTURING LOCATION.
- ④ PLATING THICKNESS OF SIGNAL CONTACT AND GROUND CONTACT IS DETERMINED BY PLATING CODE. SEE PART NUMBER TREE SHEET 1.
- REPAIR PROCEDURE FOR MODULE. SEE TB-2210.
- ⑤ SEE TB-2149 FOR ROUTING GUIDELINES & PTH REQ'S.
- ⑦ SEE DOC C190-1001-000 FOR TOOLING KEEPOUT ZONES.
- ⑧ BACKPLANE DATUM REFERENCE.
- ⑨ OPTIONAL HOLE/MOUNTING SCREW LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE PIN SUPPORT. REFER TO TB-2211 FOR PROPER GUIDE PIN SELECTION AND DRAWING C942-4010-000 FOR OPTIONAL HOLE DETAILS. ONLY APPLIES FOR MACHINED GUIDE PIN APPLICATIONS.
- DIMENSIONS APPLY FOR BOTH COMPLIANT PIN SIZES.



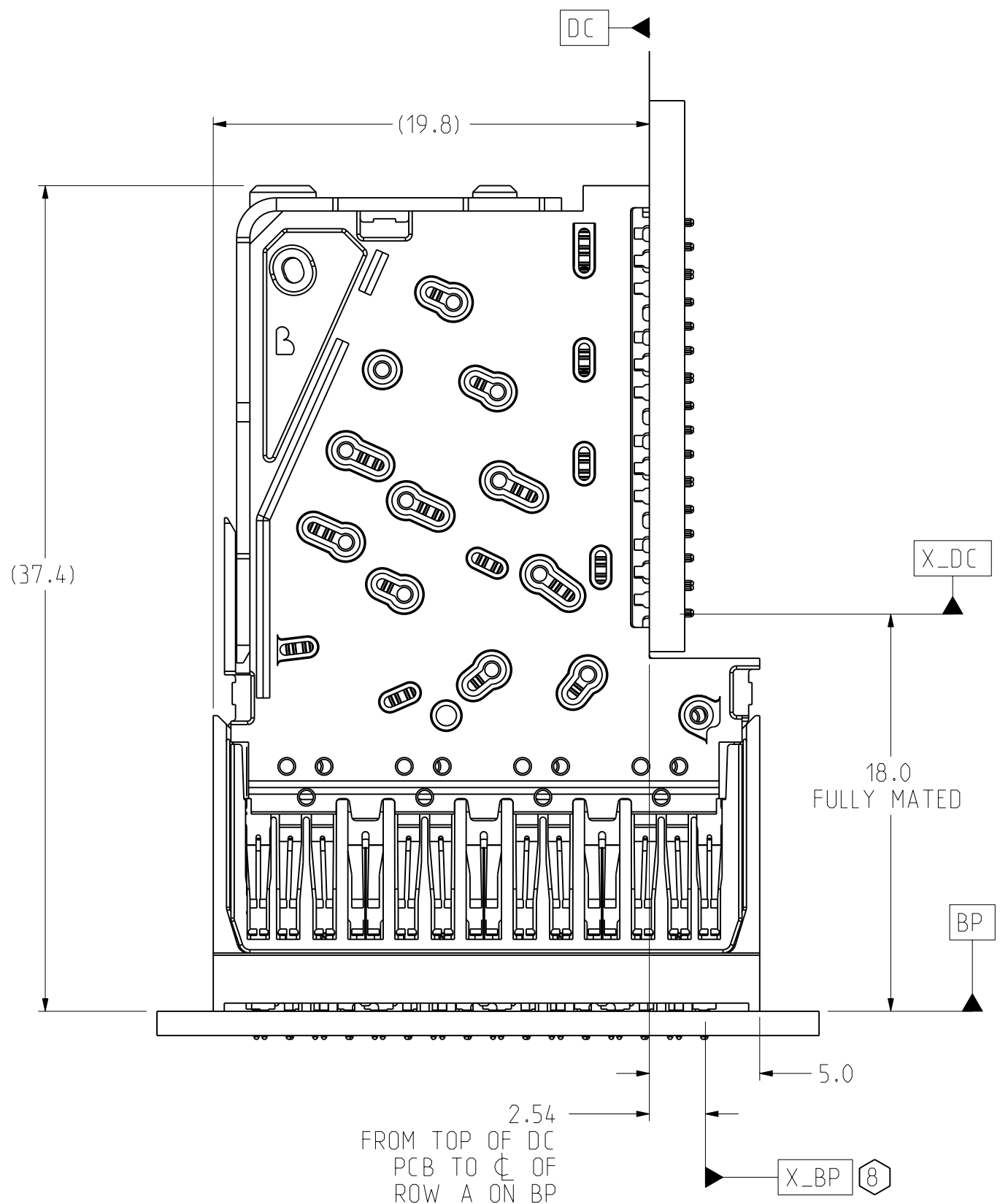
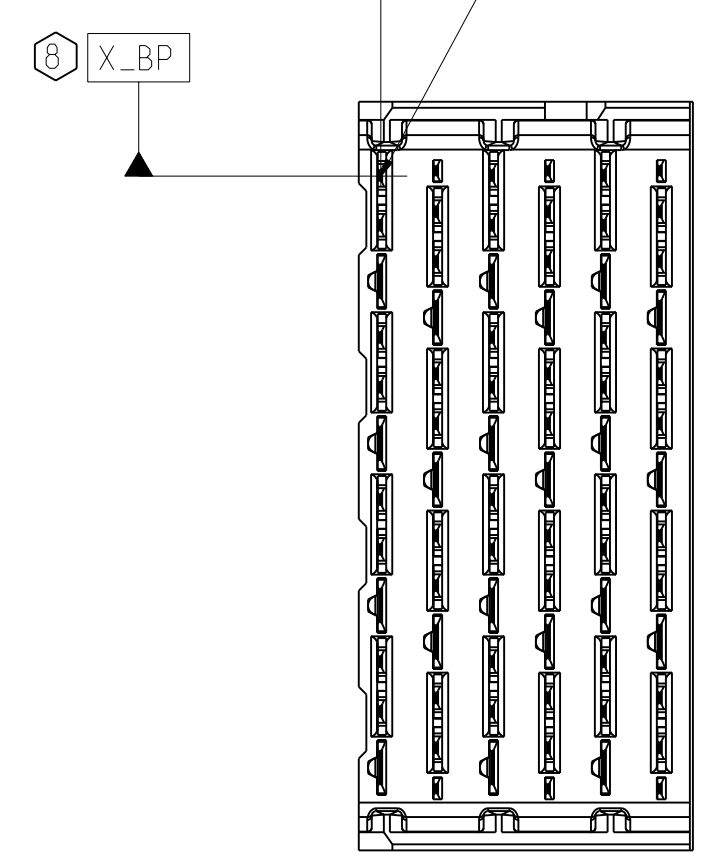
SCALE 2/1



TOLERANCES	DESIGN 10/04/2006 LEIGHTON	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	TITLE	BACKPLANE MODULES, VERTICAL MALE HEADER XCede, 4 PAIR 6 POSITION
0.0 ±0.25	DRAWN 01/04/2006 LEIGHTON		PART NO.	SEE PN TREE SHEET 1
0.00 ±0.13	CHK 10/05/2006 A.PFAHNL		DRAWING NO.	C951-400C-500
0.000 ± -	APVD 10/06/2006 A.PFAHNL		ProE ASSEM C951-4-BP4 C951-400C-500.drw	14.7 B.O
ANGLES ± 3°	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS PERIOD	CUSTOMER USE DRAWING	SIZE D	SCALE 4/1
			SHEET 1 OF 8	

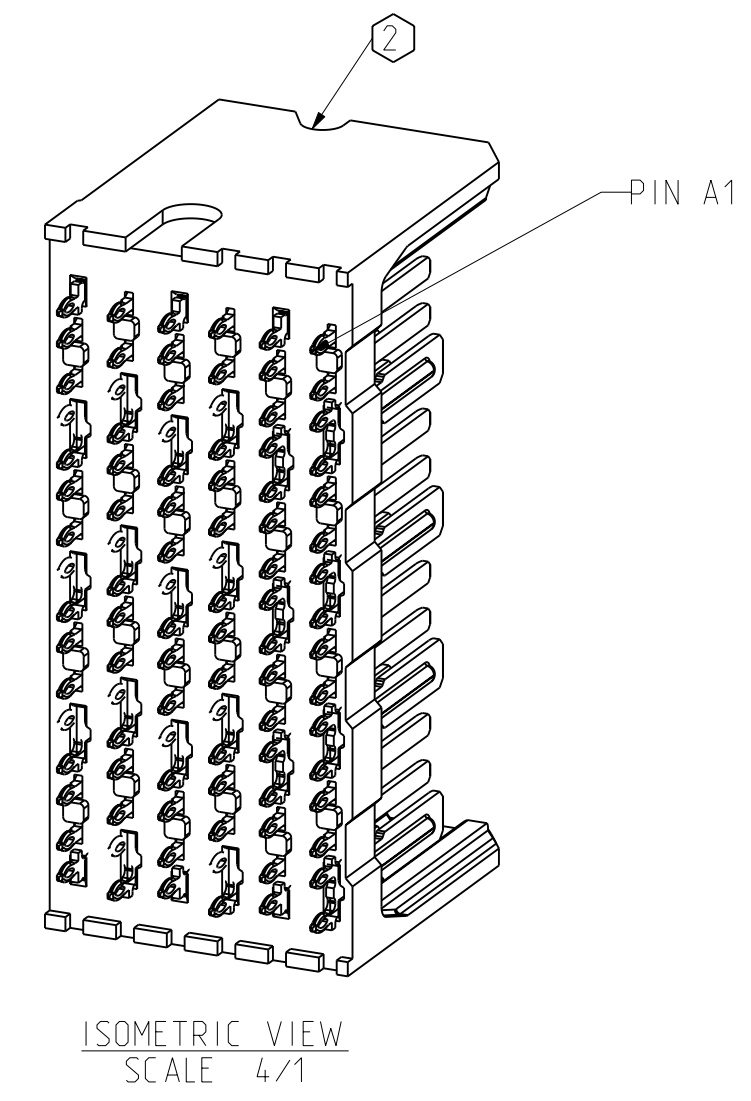
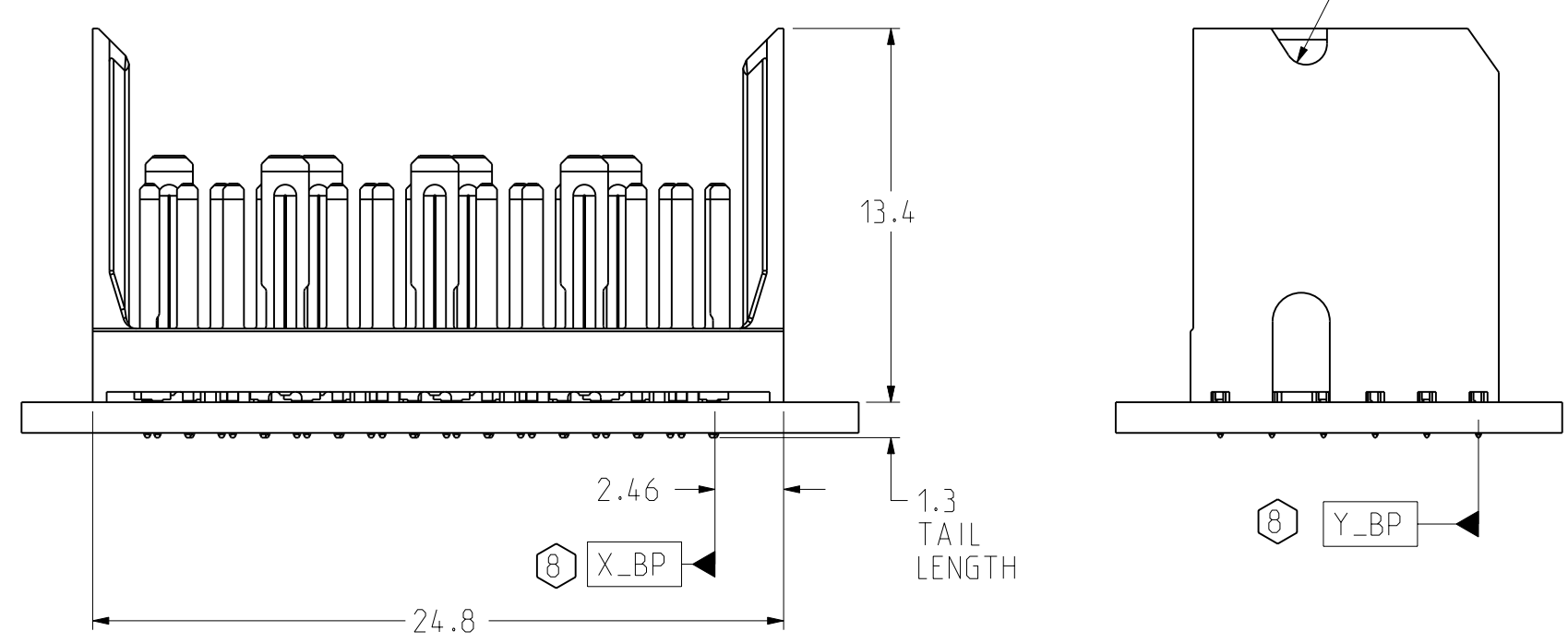
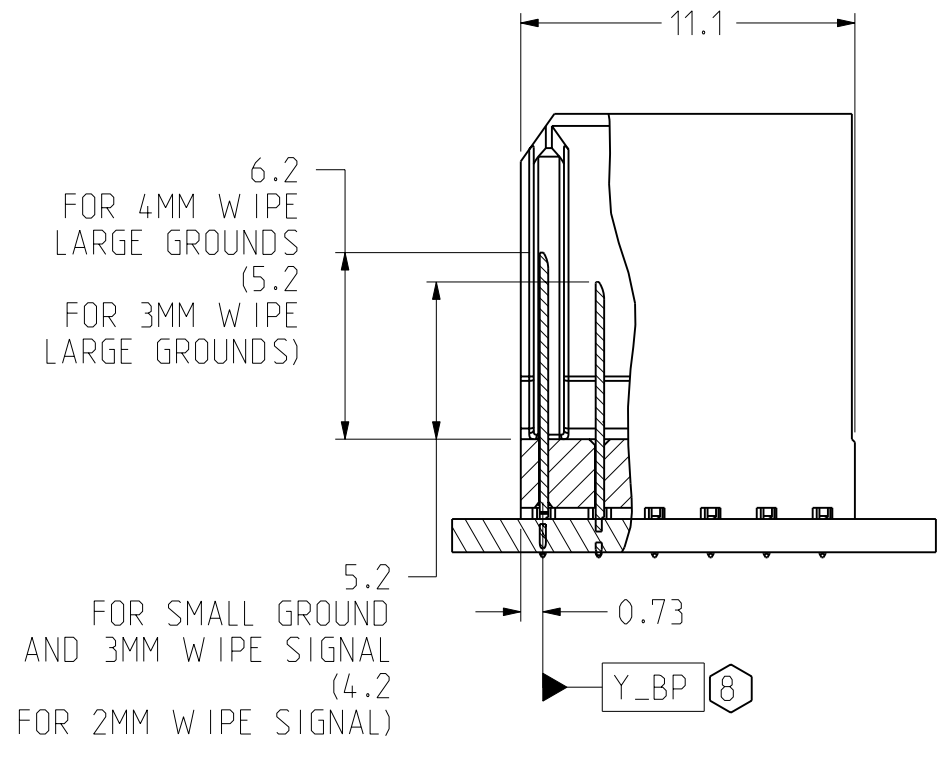
ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

DATUMS X_BP AND Y_BP INTERSECT THE SIGNAL A1 VIA ON BACKPLANE

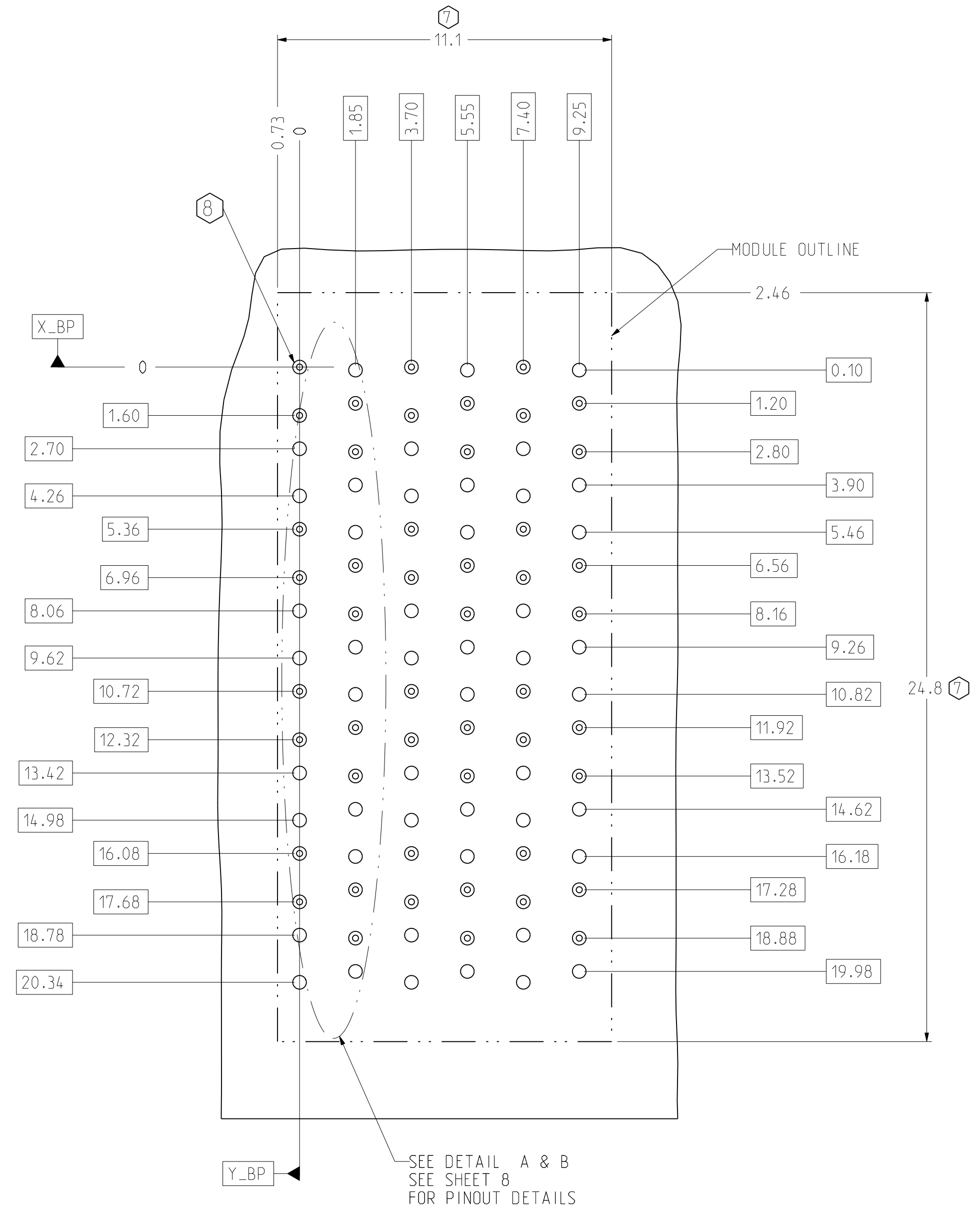


OPEN BACKPLANE MODULE DIMENSION

2.54 FROM TOP OF DC PCB TO ϕ OF ROW A ON BP
CONNECTOR REFERENCE SCALE 4/1



ISOMETRIC VIEW SCALE 4/1



BP HOLE PATTERN COMPONENT SIDE SCALE 8/1

OPEN BACKPLANE FOOTPRINT

TOLERANCES		DESIGN	10/04/2006	LEIGHTON	
0.0	± 0.25	DRAWN	01/04/2006	LEIGHTON	
0.00	± 0.13	CHK	10/05/2006	A.PFAHNL	
0.000	$\pm -$	APVD	10/06/2006	A.PFAHNL	
ANGLES	$\pm 3^\circ$	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS PERIOD			

Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000		TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede, 4 PAIR 6 POSITION	
PART NO. SEE PN TREE SHEET 1		REV N/A	
DRAWING NO. C951-400C-500		REV B	
ProE ASSEM C951-4-BP4 C951-400C-500.drw		14.7 B.O	
SIZE D	SCALE 4/1	SHEET 2 OF 8	

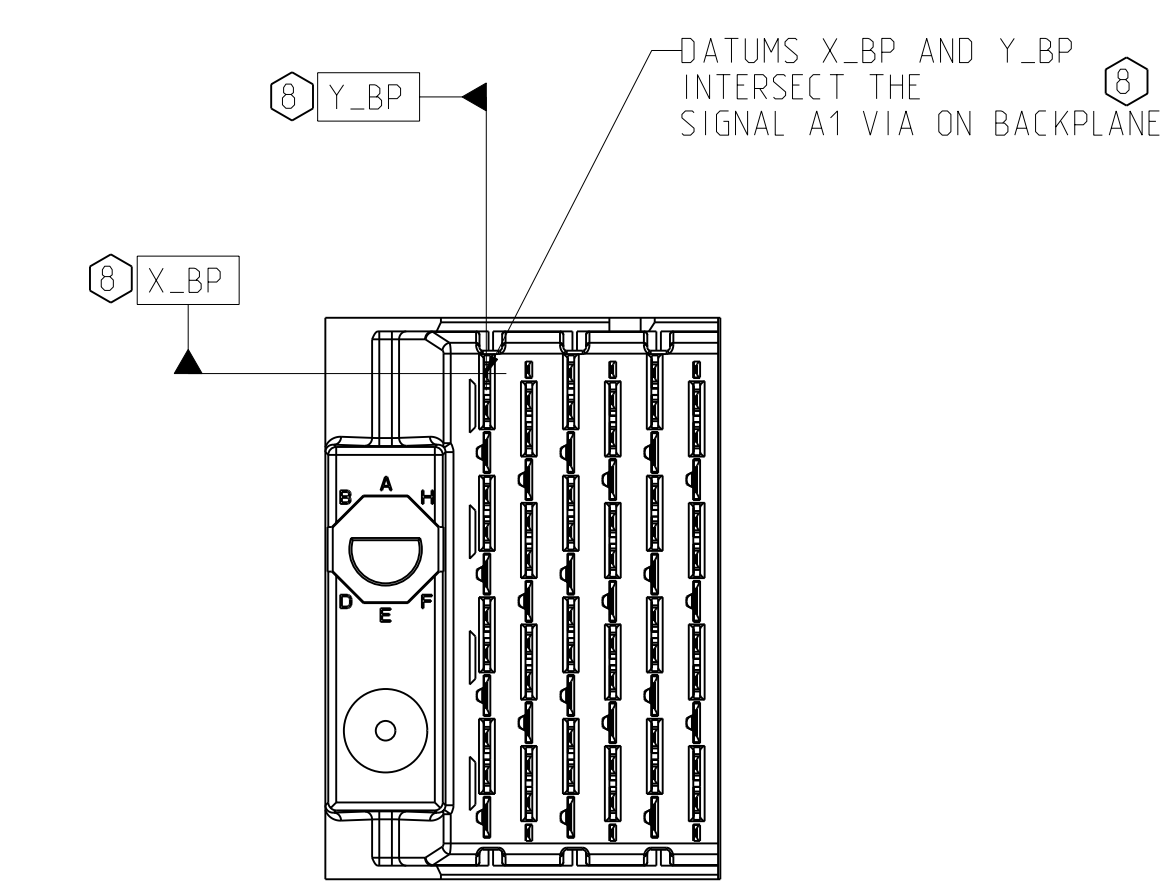
INTERPRET PER ASME Y14.5M
CODE IDENT 31413

CUSTOMER USE DRAWING

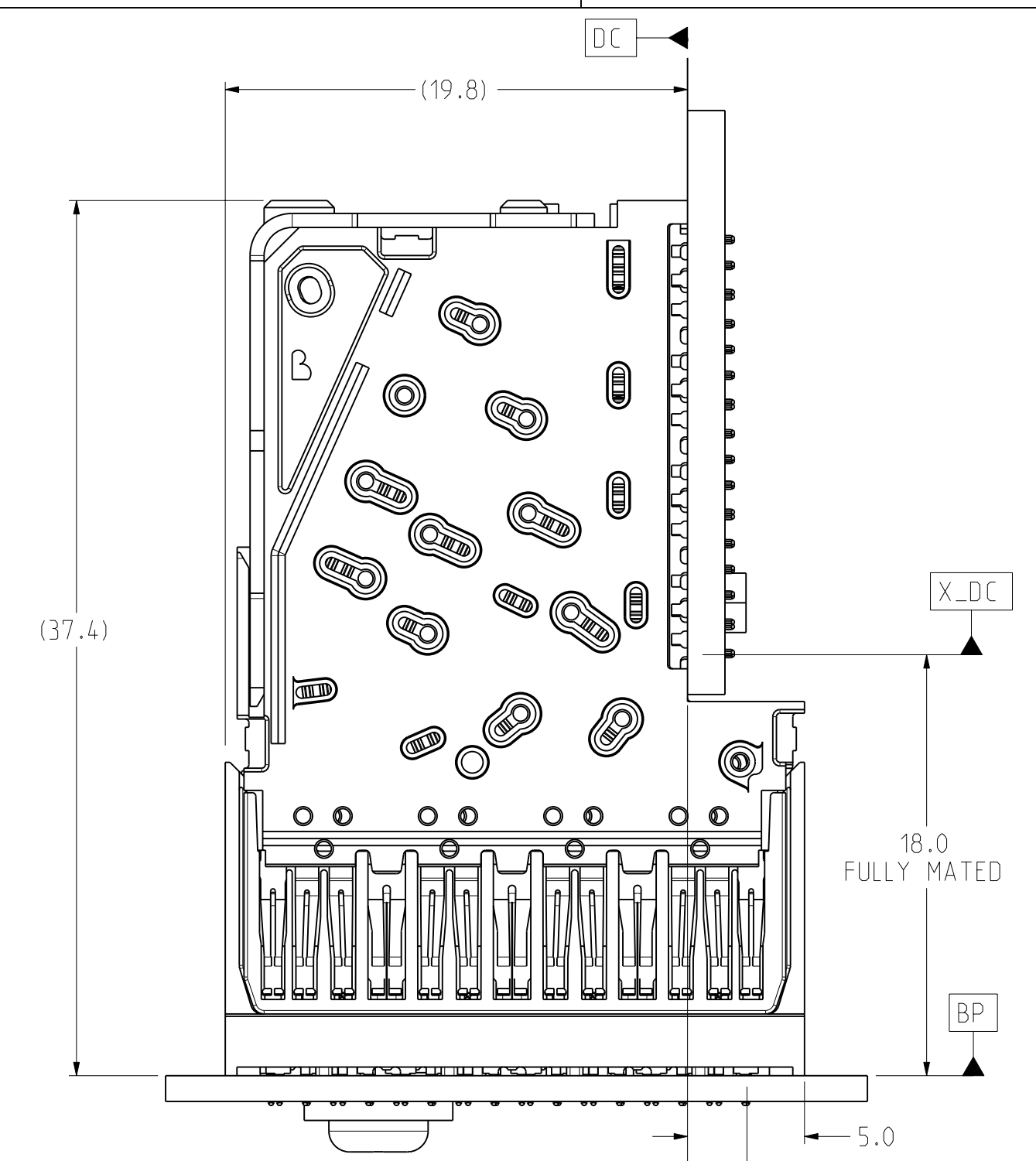
DRW NO. C951-400C-500

SH 2 REV B

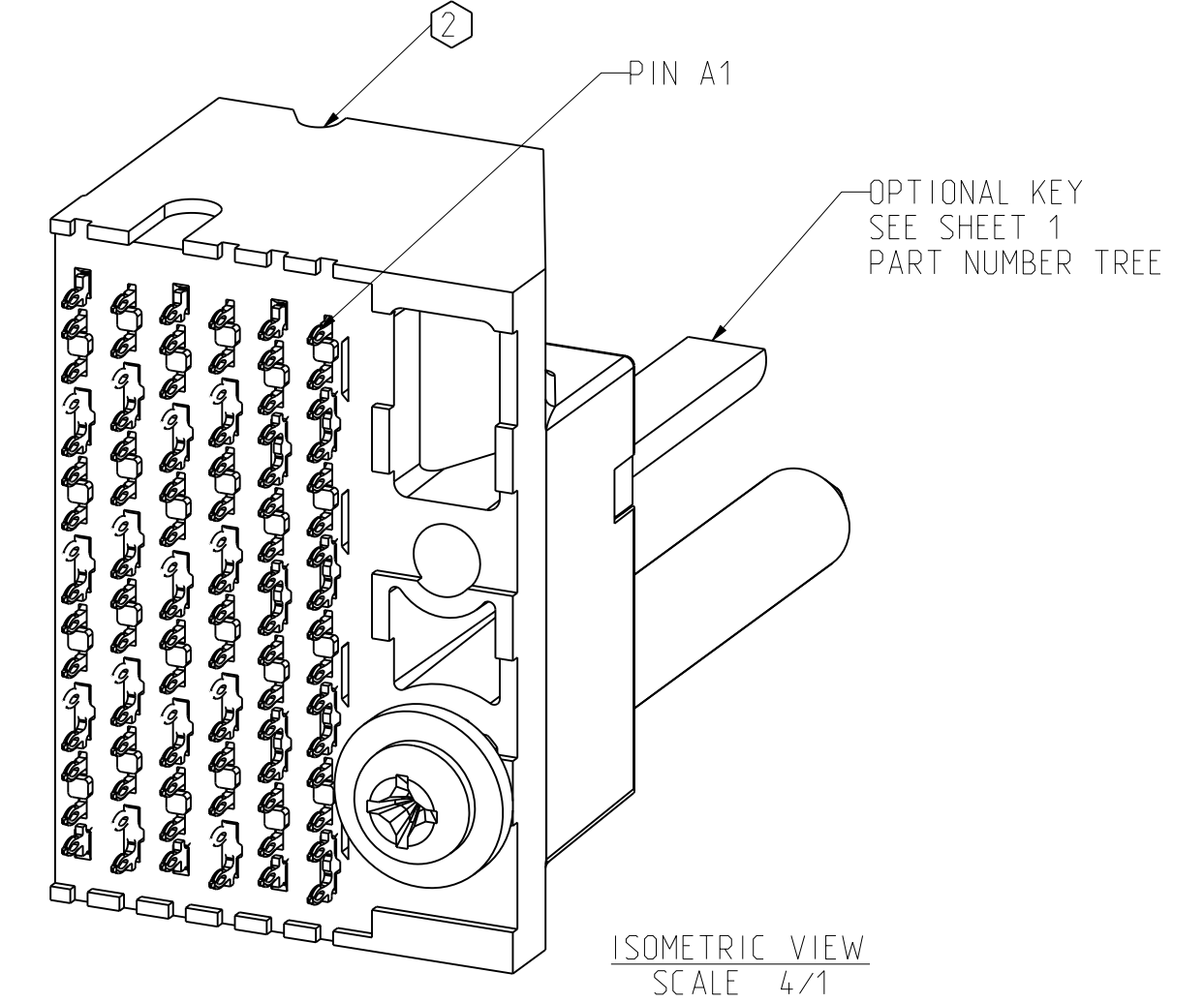
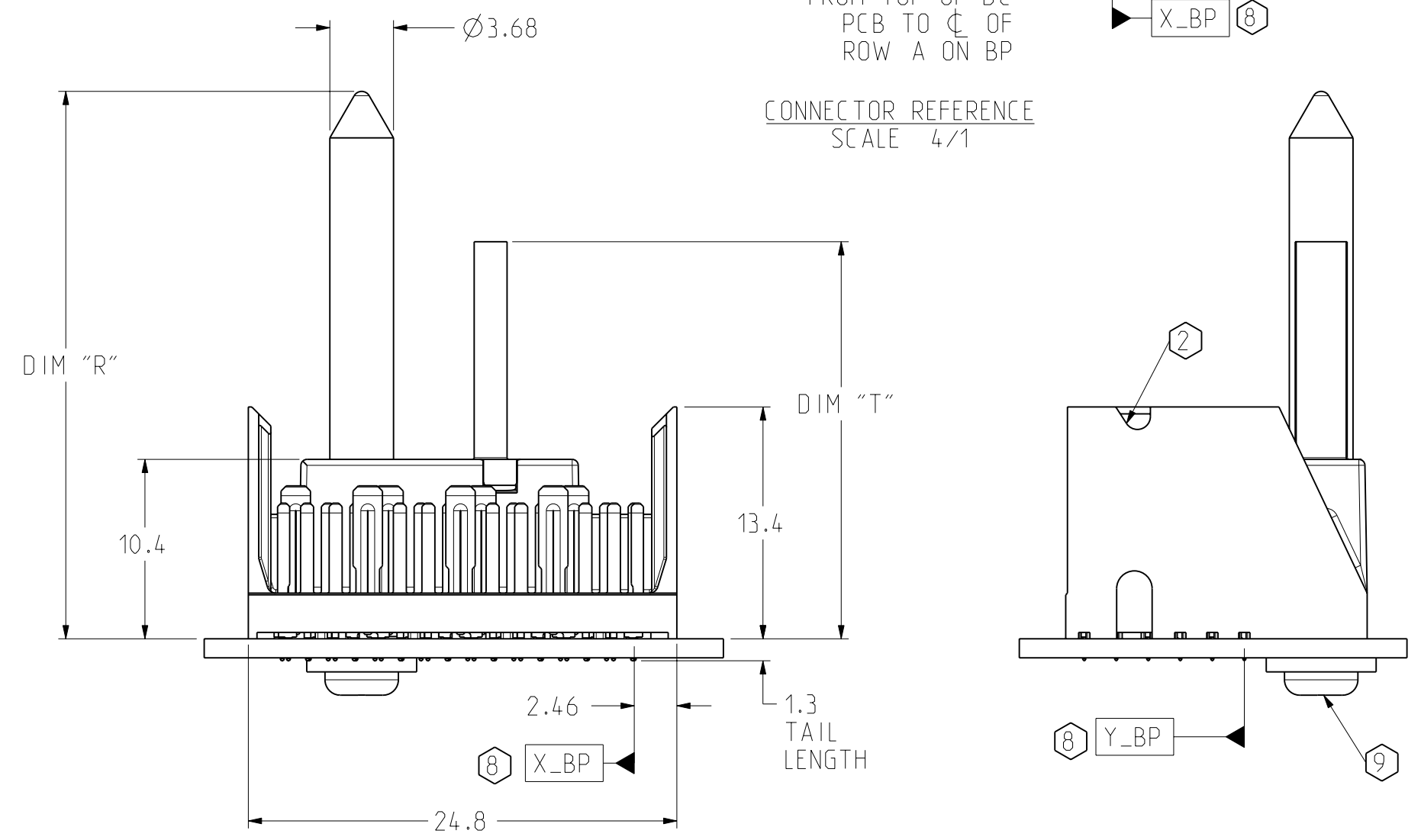
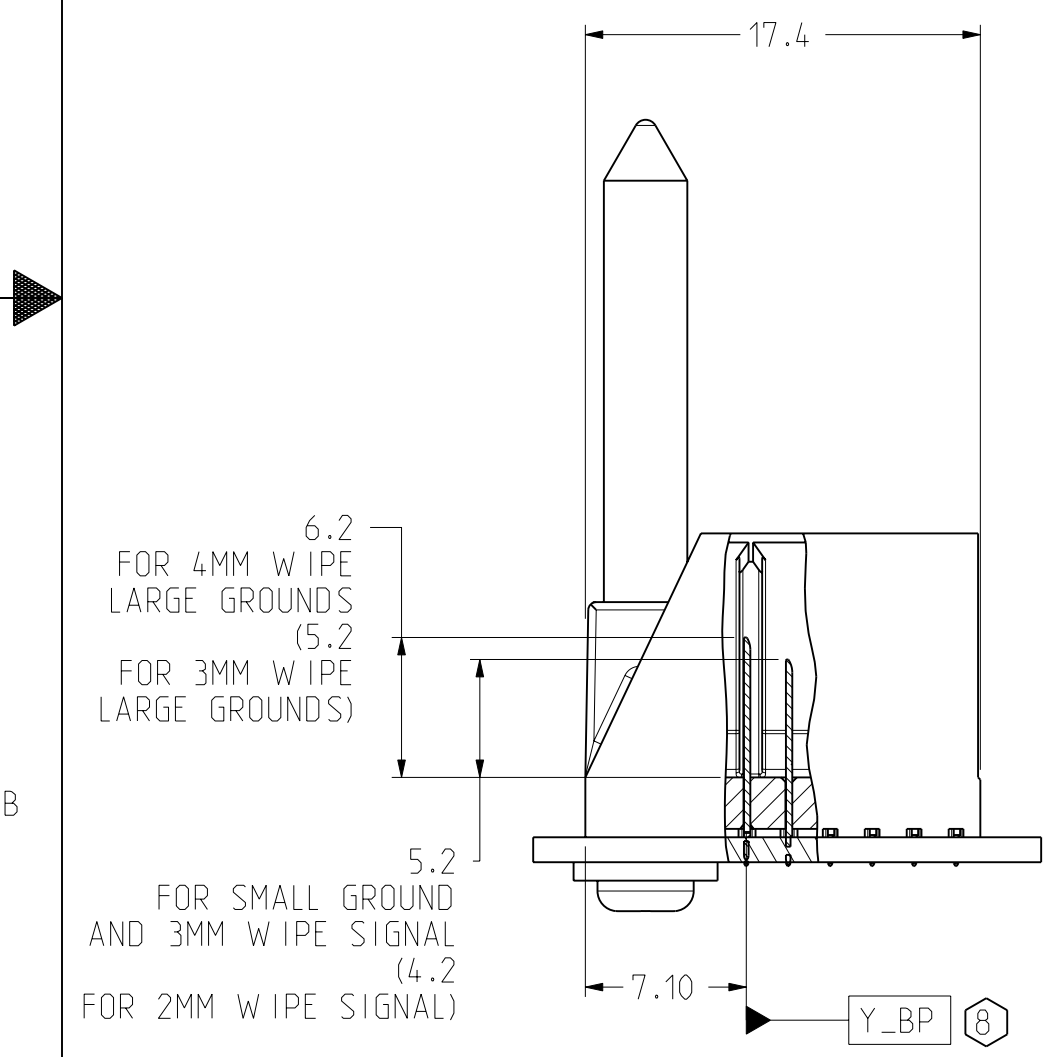
ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



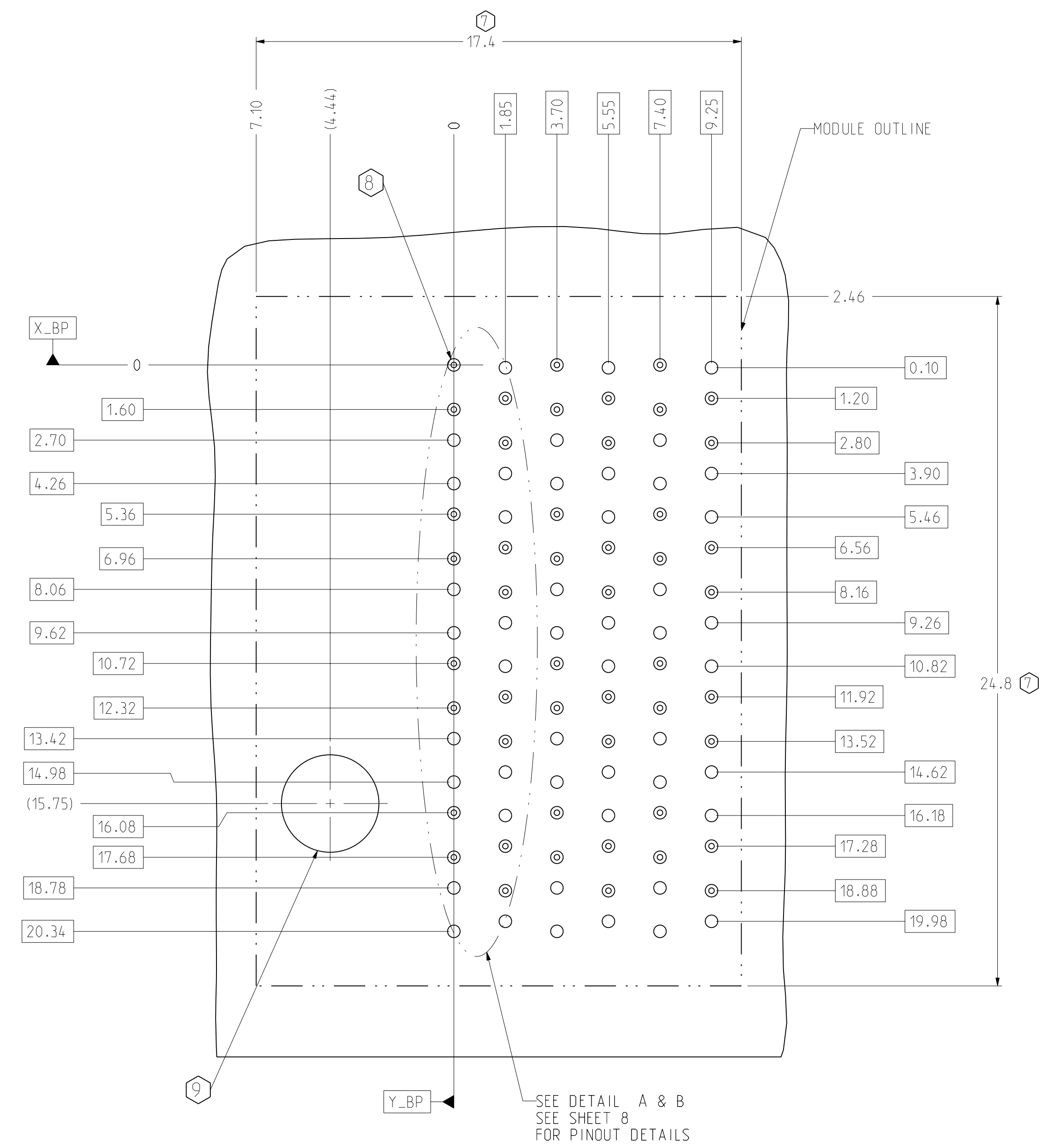
LEFT POLARIZING/GUIDE BACKPLANE MODULE DIMENSION



CONNECTOR REFERENCE SCALE 4/1



PART NUMBER	DIM "R"	DIM "T"
951-4X0C-X 0 X 951-4X0C-X 1 X	31.6	23.0
951-4X0C-X 4 X 951-4X0C-X 5 X	25.7	20.2



LEFT POLARIZING/GUIDE BACKPLANE FOOTPRINT

TOLERANCES		DESIGN 10/04/2006 LEIGHTON	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000
0.0	±0.25	DRAWN 01/04/2006 LEIGHTON	
0.00	±0.13	CHK 10/05/2006 A.PFAHNL	
0.000	± -	APVD 10/06/2006 A.PFAHNL	
ANGLES ± 3°		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS PERIOD	
PART NO.		SEE PN TREE SHEET 1	REV N/A
DRAWING NO.		C951-400C-500	REV B
TITLE		BACKPLANE MODULES, VERTICAL MALE HEADER XCede, 4 PAIR 6 POSITION	14.7 B.O
SIZE D		SCALE 4/1	SHEET 3 OF 8

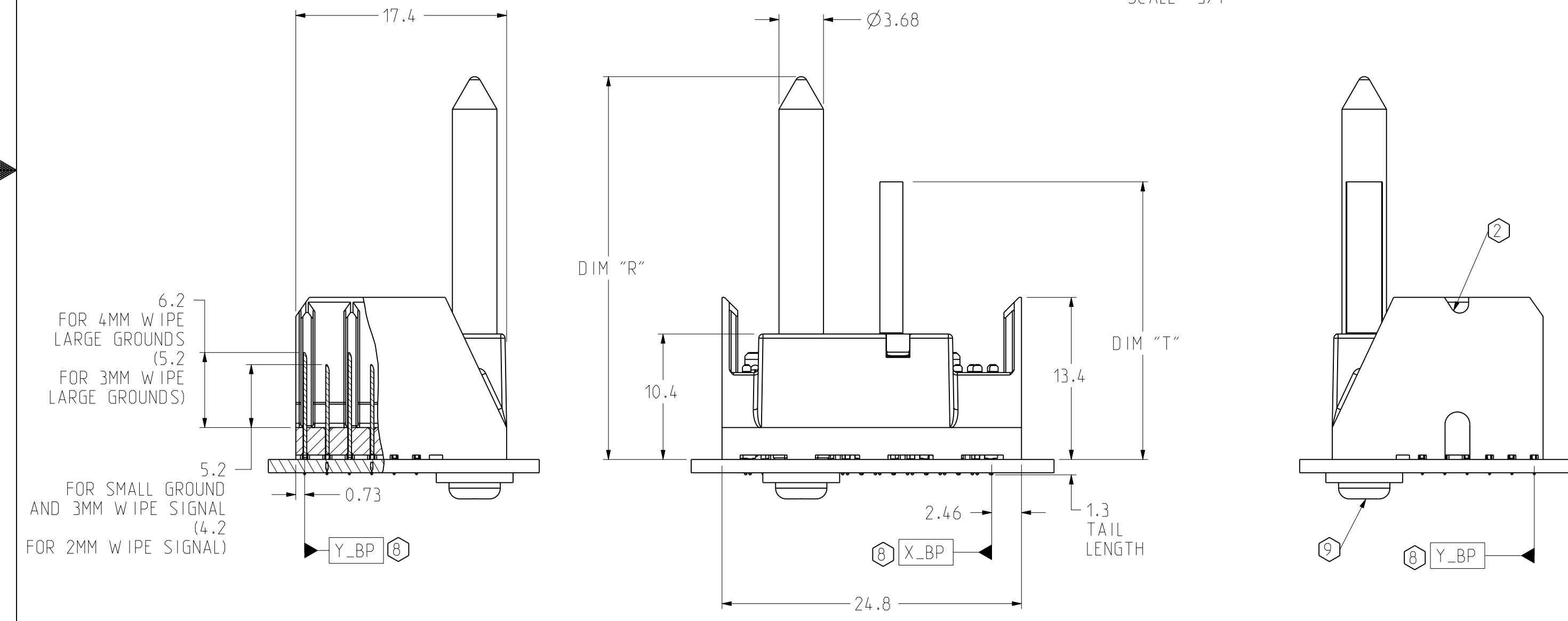
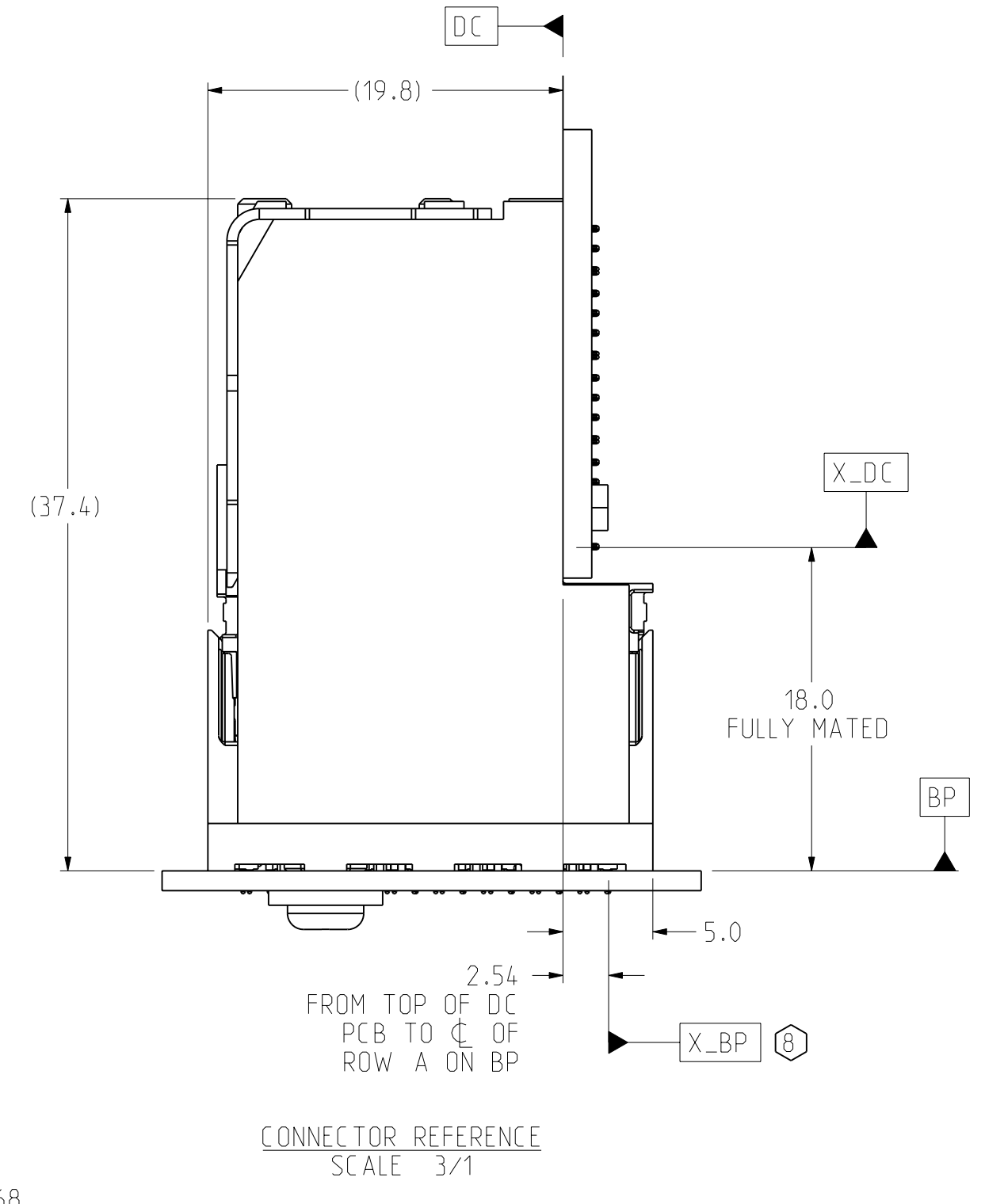
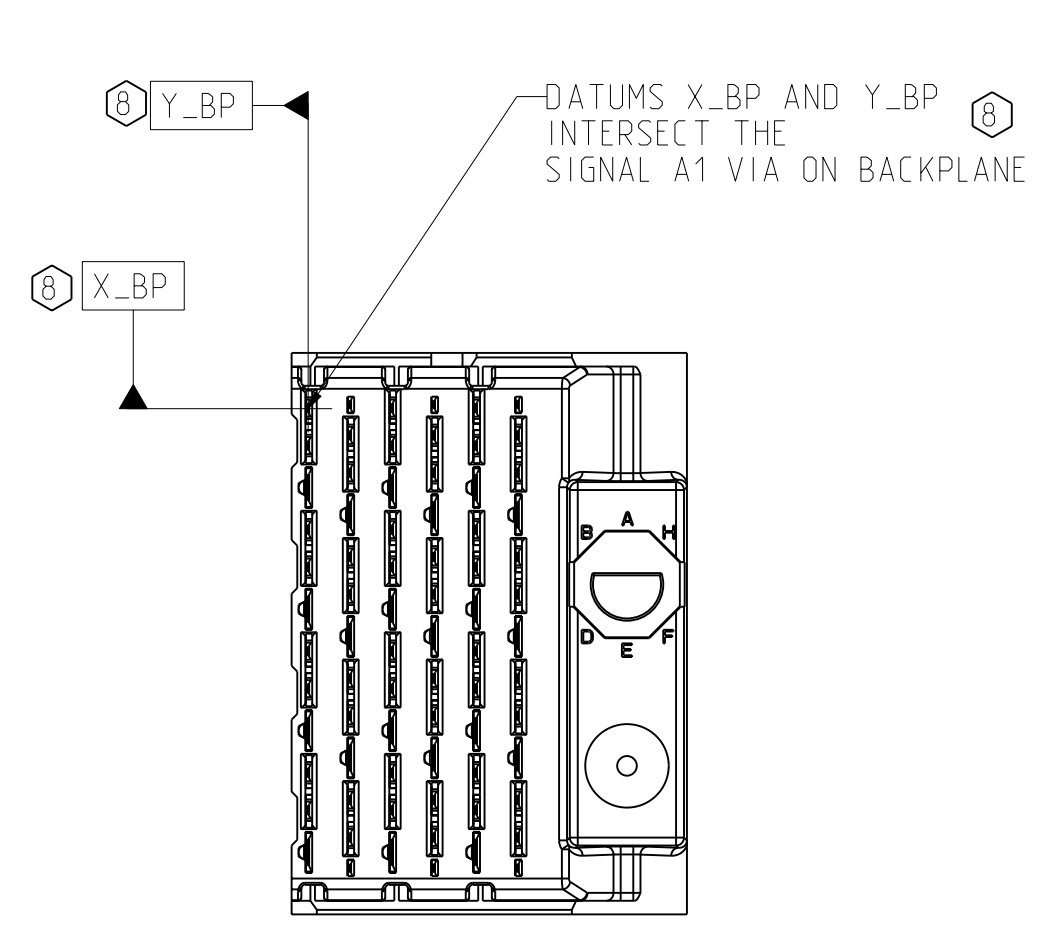
INTERPRET PER ASME Y14.5M
CODE IDENT 31413

CUSTOMER USE DRAWING

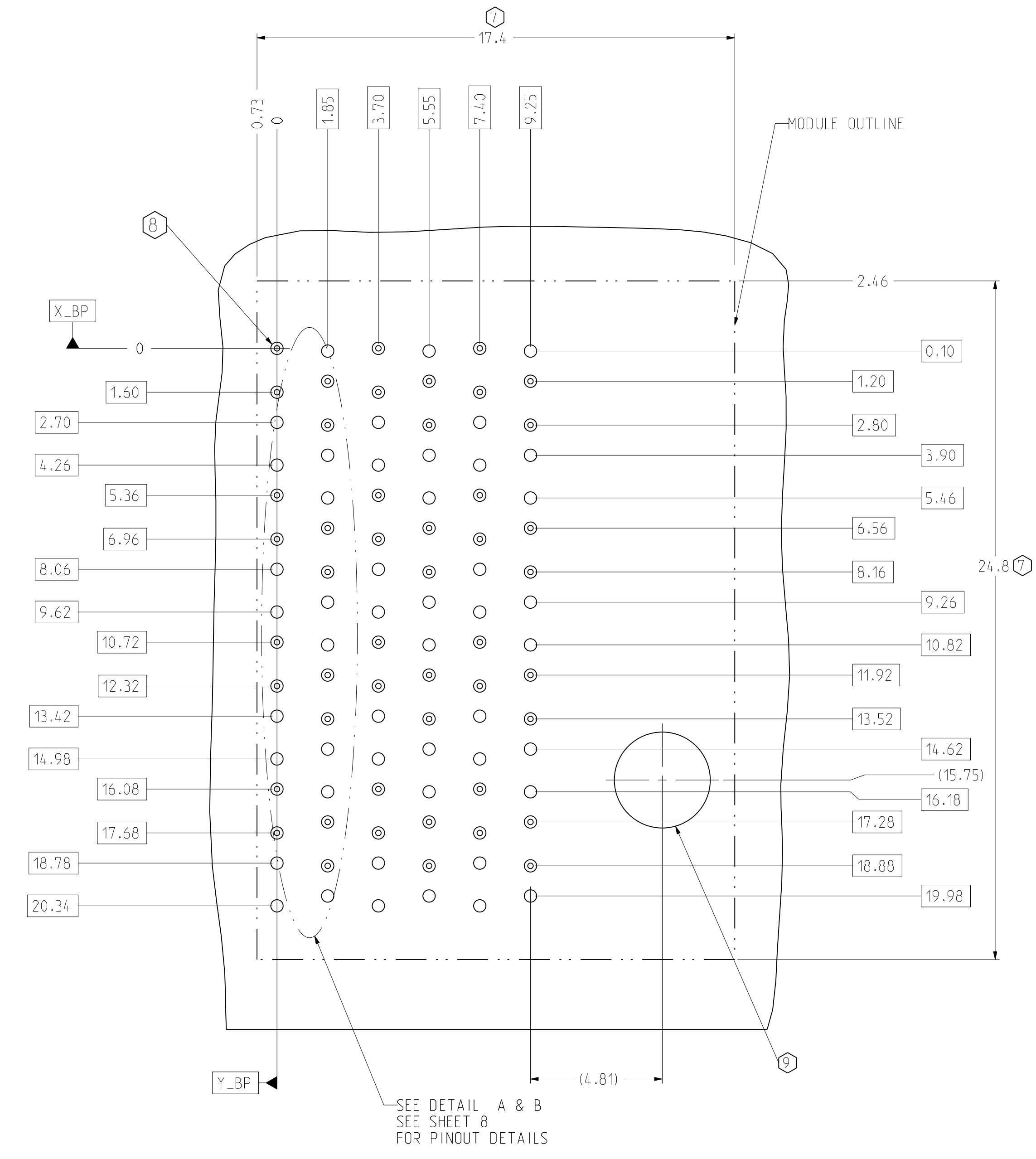
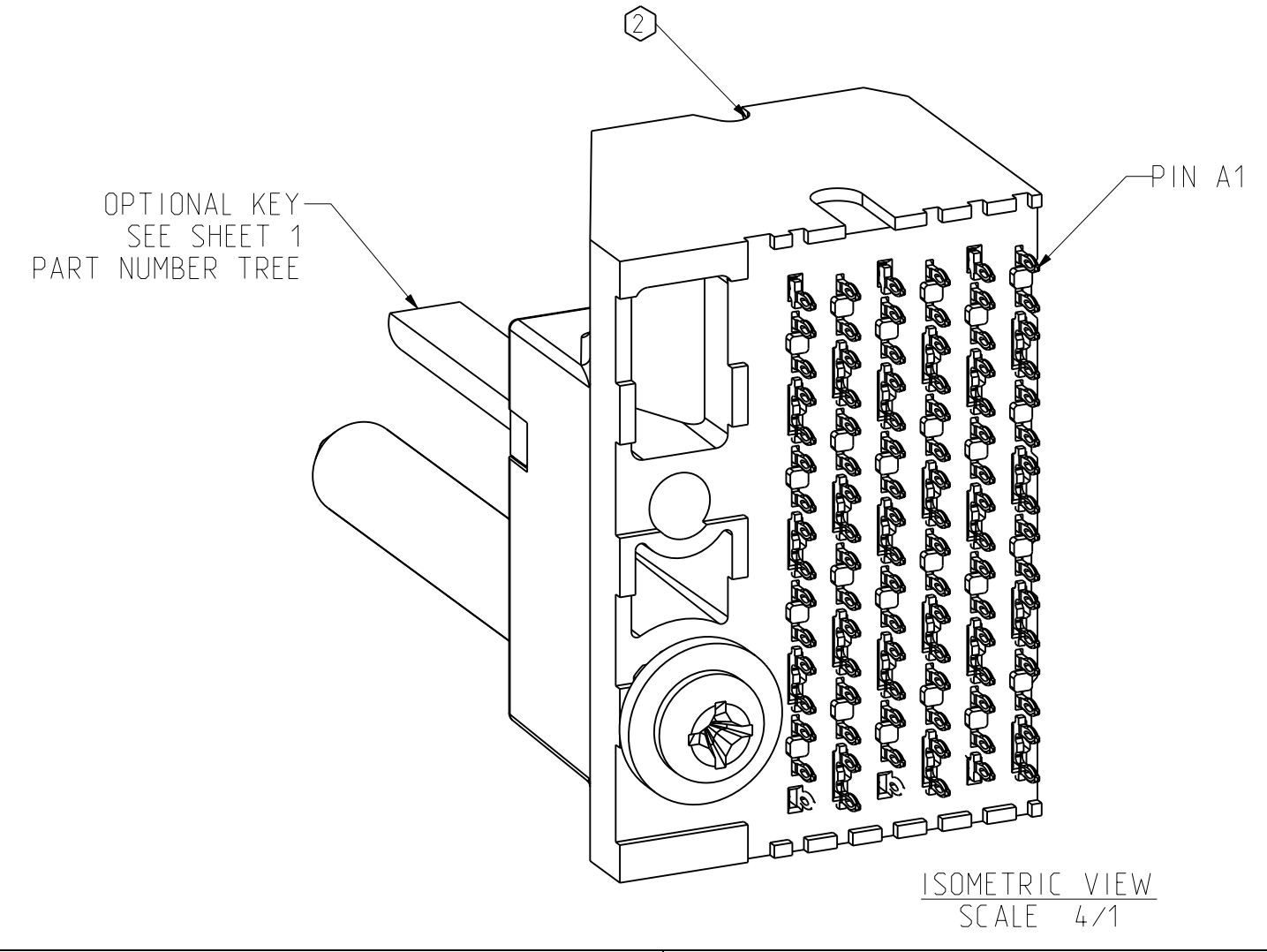
DRW NO. C951-400C-500

SH 3 REV B

RIGHT POLARIZING/GUIDE
BACKPLANE MODULE DIMENSION



PART NUMBER	DIM "R"	DIM "T"
951-4X0C-X 0 X 951-4X0C-X 1 X	31.6	23.0
951-4X0C-X 4 X 951-4X0C-X 5 X	25.7	20.2



RIGHT POLARIZING/GUIDE
BACKPLANE FOOTPRINT

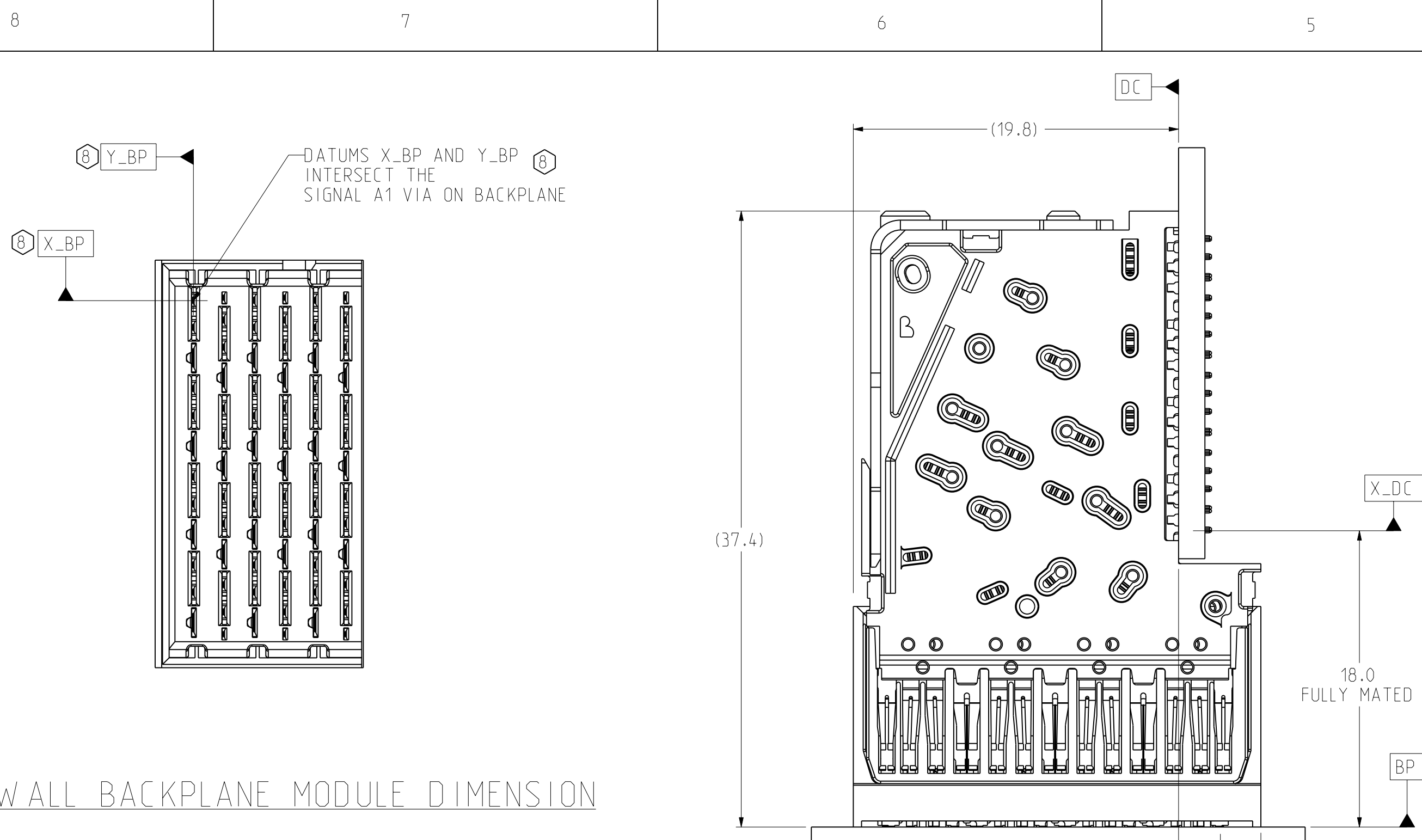
INTERPRET PER ASME Y14.5M
CODE IDENT 31413

TOLERANCES	DESIGN 10/04/2006 LEIGHTON	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	TITLE	BACKPLANE MODULES, VERTICAL MALE HEADER XCede, 4 PAIR 6 POSITION	
0.0 ±0.25	DRAWN 01/04/2006 LEIGHTON		PART NO.	SEE PN TREE SHEET 1	
0.00 ±0.13	CHK 10/05/2006 A.PFAHNL		DRAWING NO.	C951-400C-500	
0.000 ± -	APVD 10/06/2006 A.PFAHNL		ProE ASSEM C951-4-BP4 C951-400C-500.drw	14.7 B.0	
ANGLES ± 3°	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS PERIOD	CUSTOMER USE DRAWING	SIZE D	SCALE 3/1	SHEET 4 OF 8

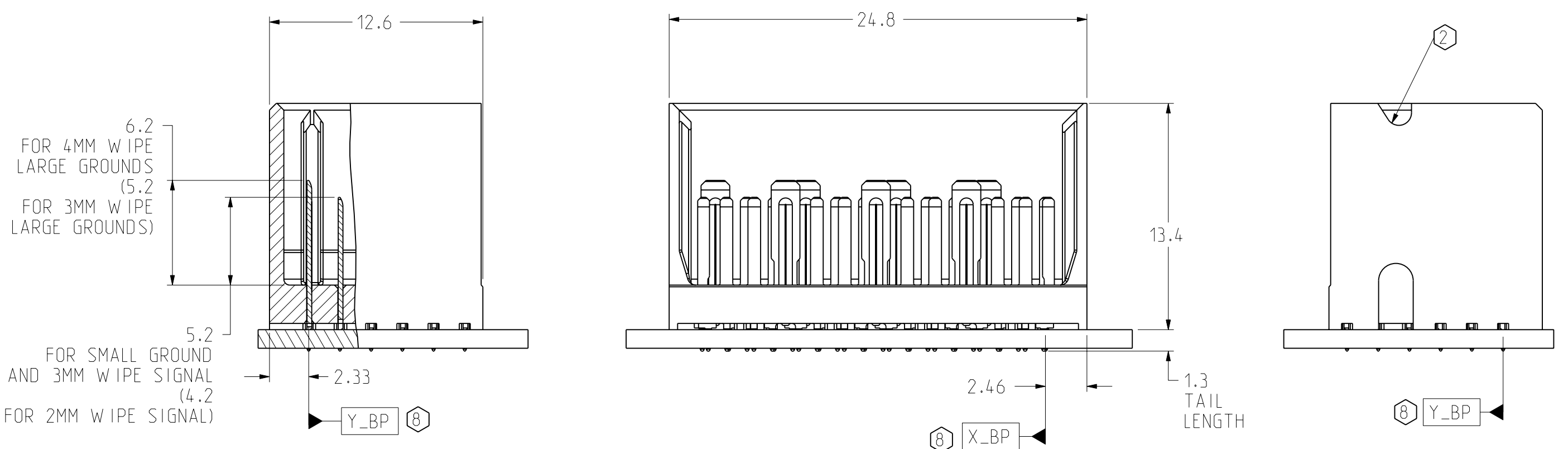
DRAWING NO. C951-400C-500

SH 4
REV B

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

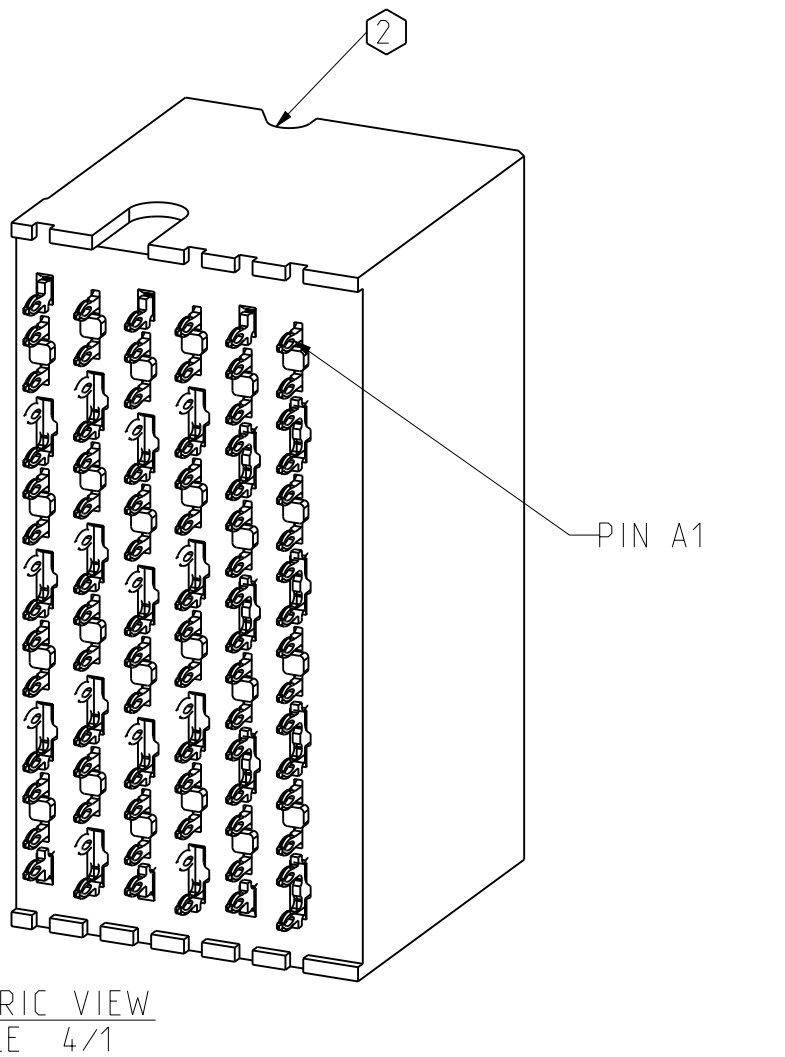


LEFT WALL BACKPLANE MODULE DIMENSION

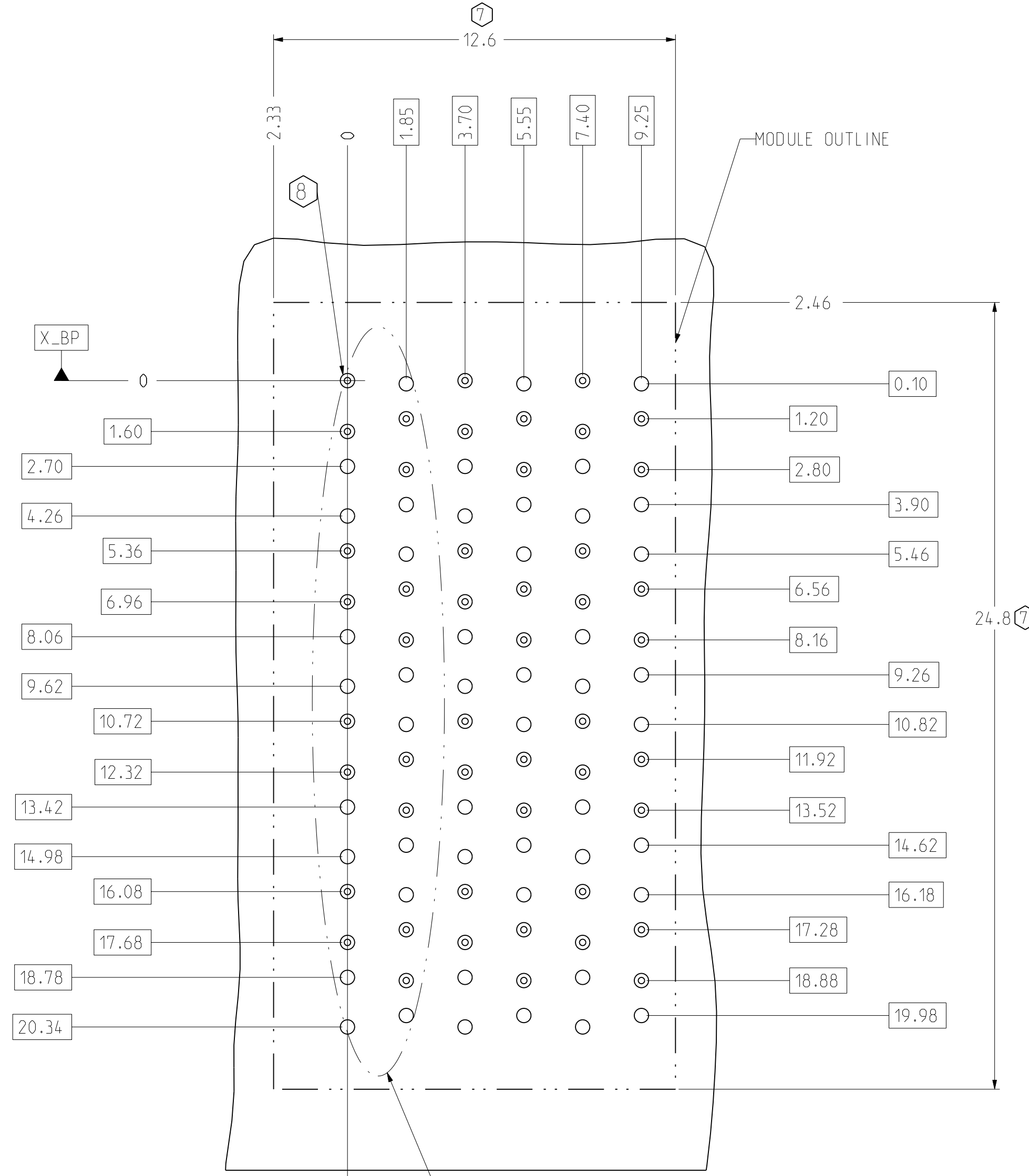


FOR 4MM WIPE LARGE GROUNDS (5.2 FOR 3MM WIPE LARGE GROUNDS)

FOR SMALL GROUND AND 3MM WIPE SIGNAL (4.2 FOR 2MM WIPE SIGNAL)



ISOMETRIC VIEW SCALE 4/1



LEFT WALL BACKPLANE FOOTPRINT

TOLERANCES		DESIGN	10/04/2006	LEIGHTON	
0.0	±0.25	DRAWN	01/04/2006	LEIGHTON	
0.00	±0.13	CHK	10/05/2006	A.PFAHNL	
0.000	± -	APVD	10/06/2006	A.PFAHNL	
ANGLES	± 3°	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS PERIOD			

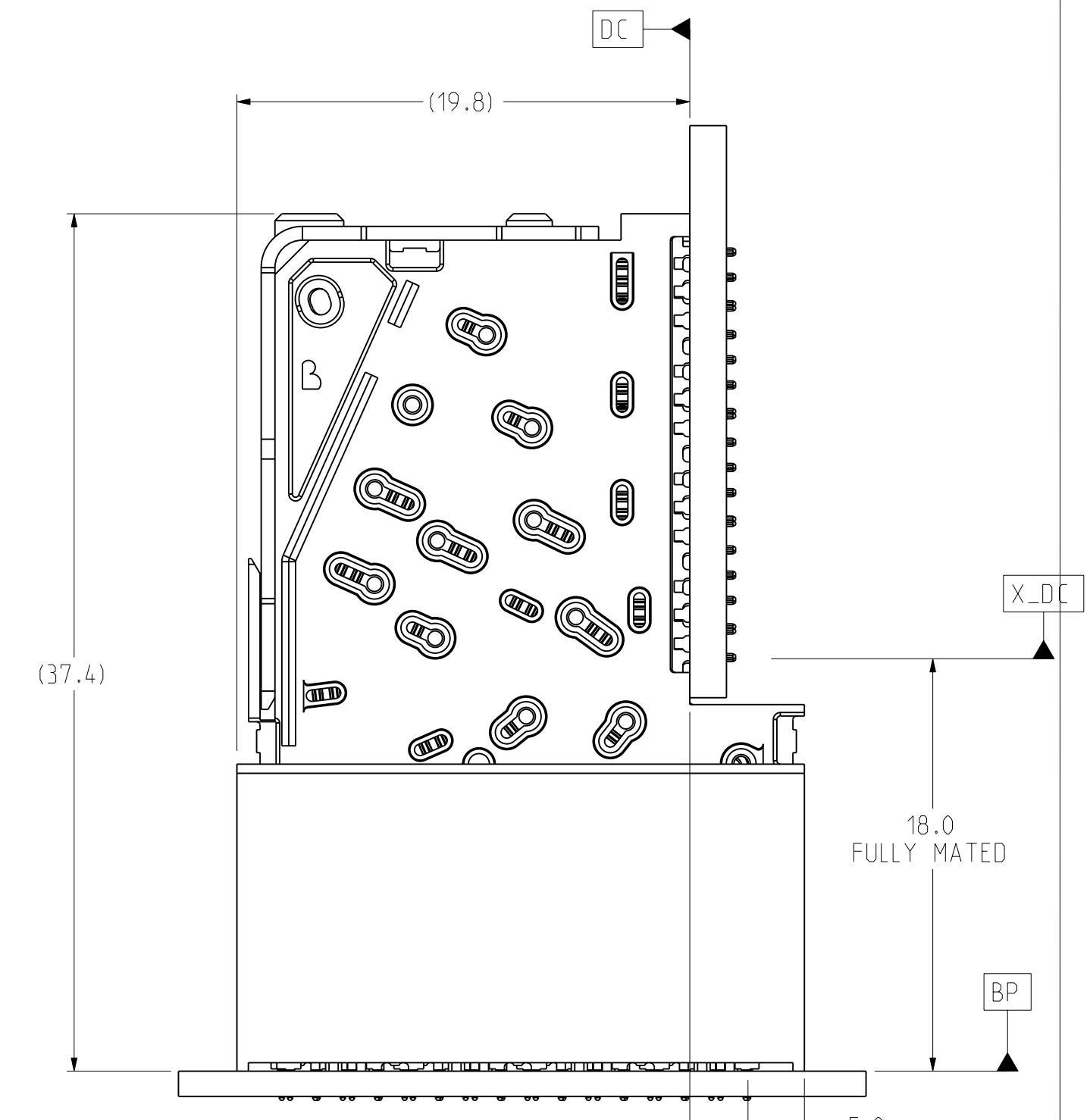
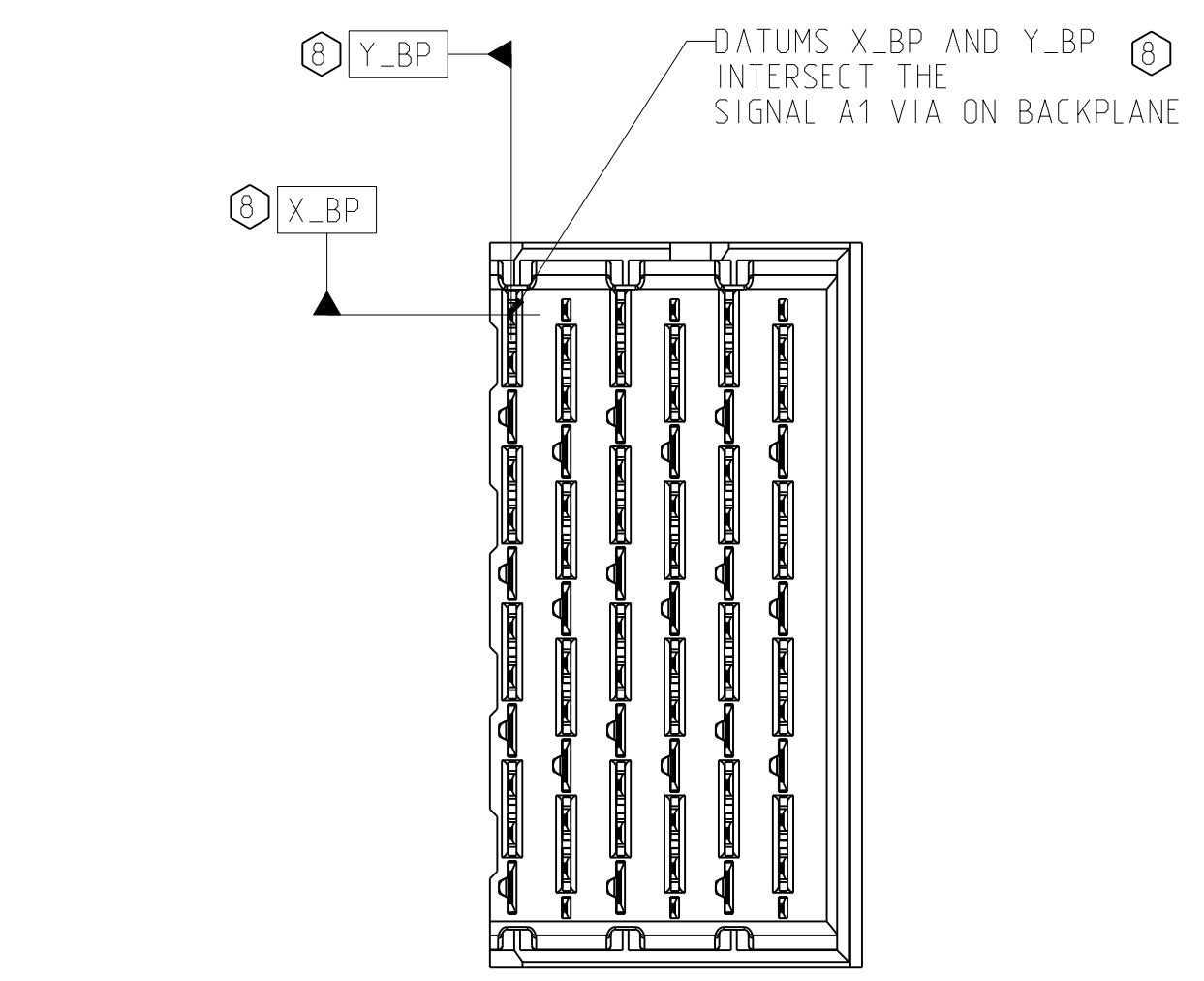
Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 803.879.3000		TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede, 4 PAIR 6 POSITION	
PART NO.	SEE PN TREE SHEET 1	REV	N/A
DRAWING NO.	C951-400C-500	REV	B
PROJ ASSEM	C951-4-BP4	DATE	14.7
FILE	C951-400C-500.drw	SCALE	B.O
SIZE	D	SCALE	4/1
		SHEET 5 OF 8	

INTERPRET PER ASME Y14.5M
CODE IDENT 31413

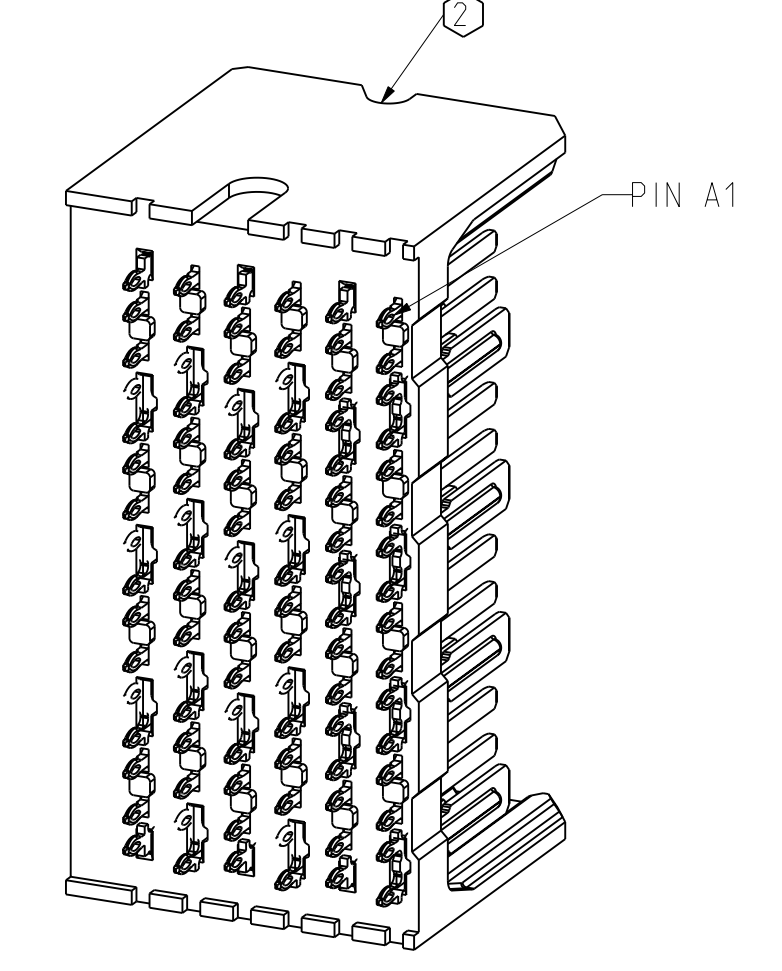
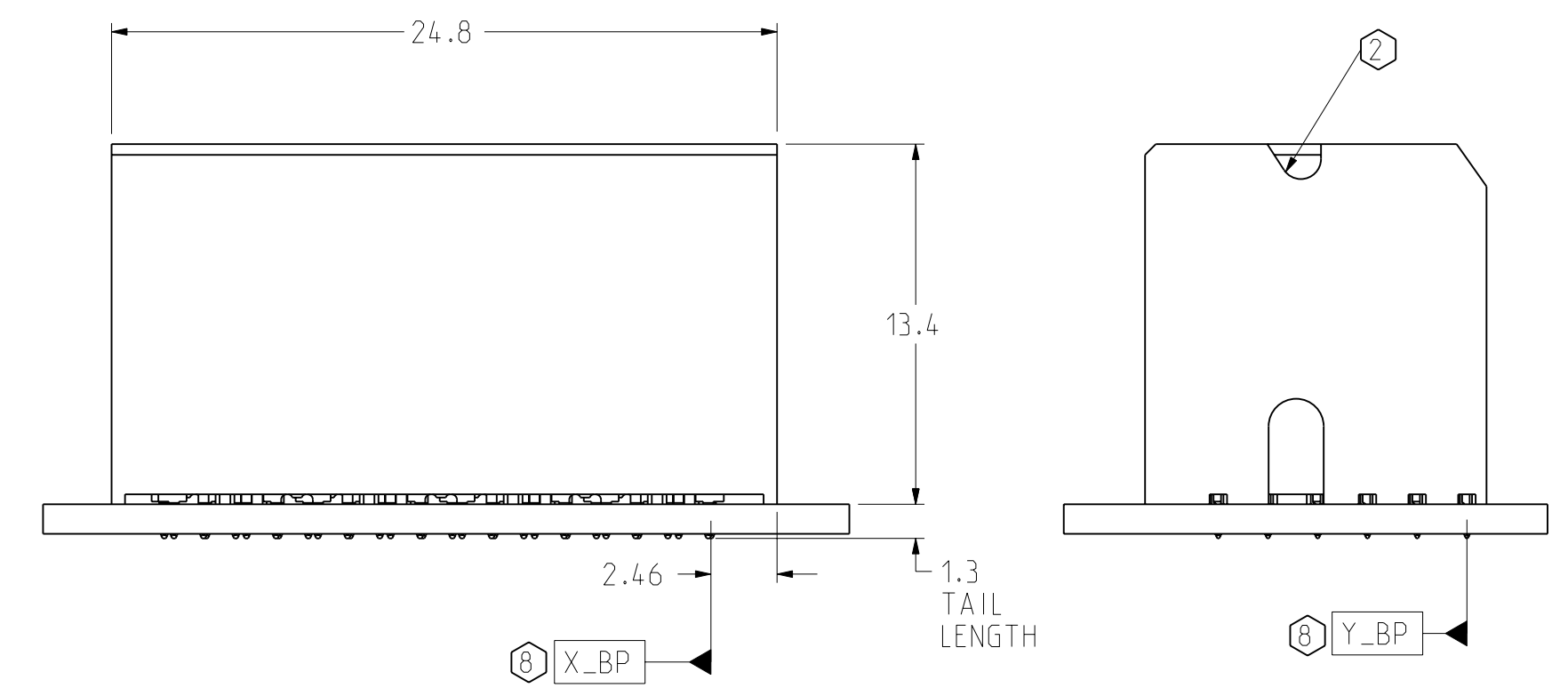
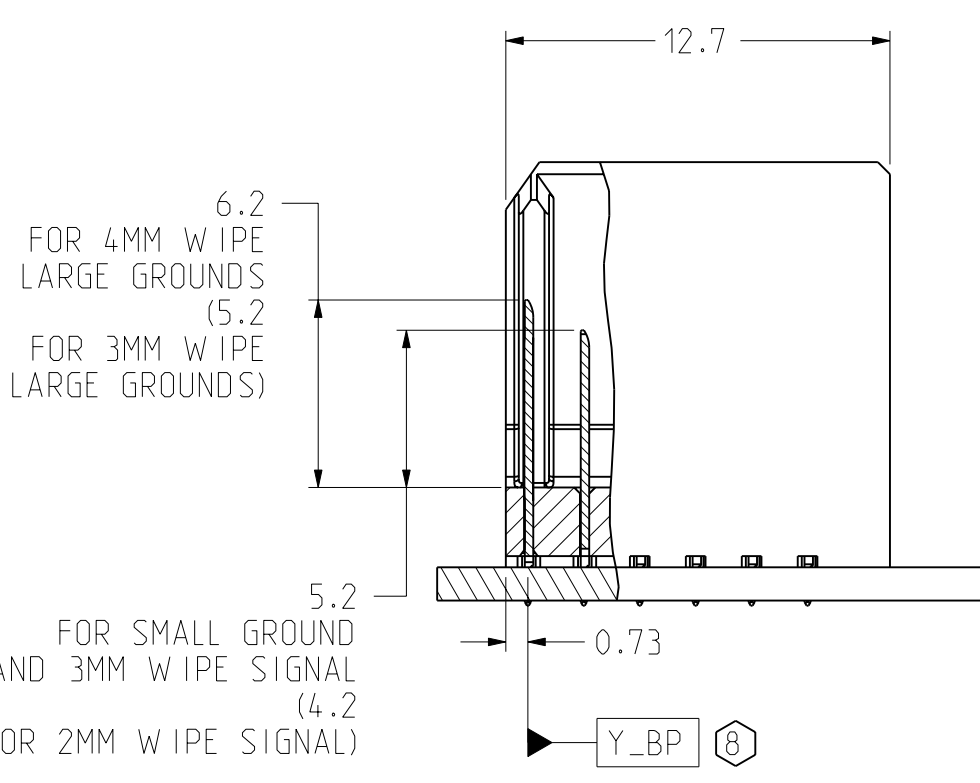
CUSTOMER USE
DRAWING

DRW NO. C951-400C-500

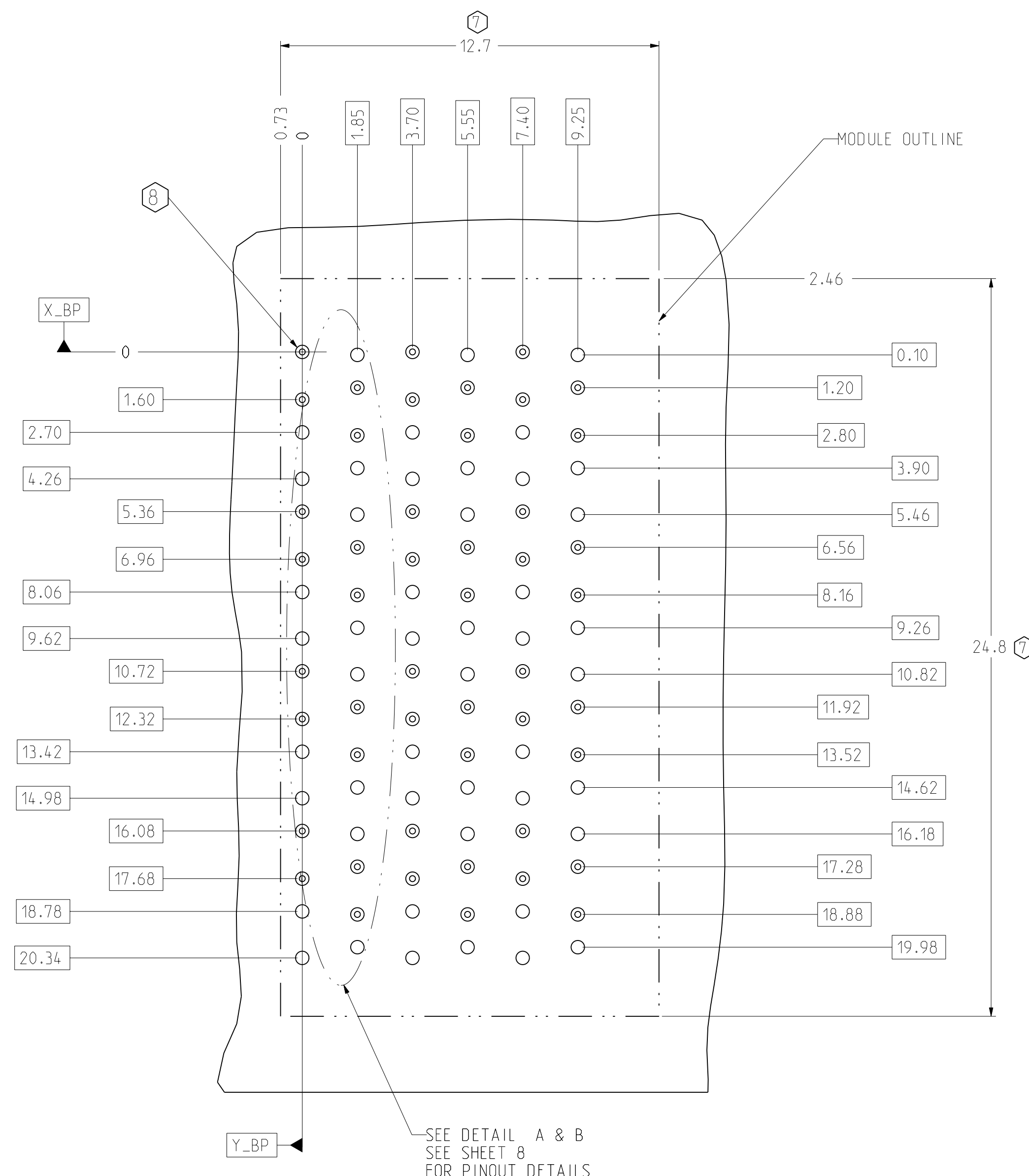
SH 5 REV B



RIGHT WALL BACKPLANE MODULE DIMENSION



ISOMETRIC VIEW SCALE 4/1



BP HOLE PATTERN COMPONENT SIDE SCALE 8/1

RIGHT WALL BACKPLANE FOOTPRINT

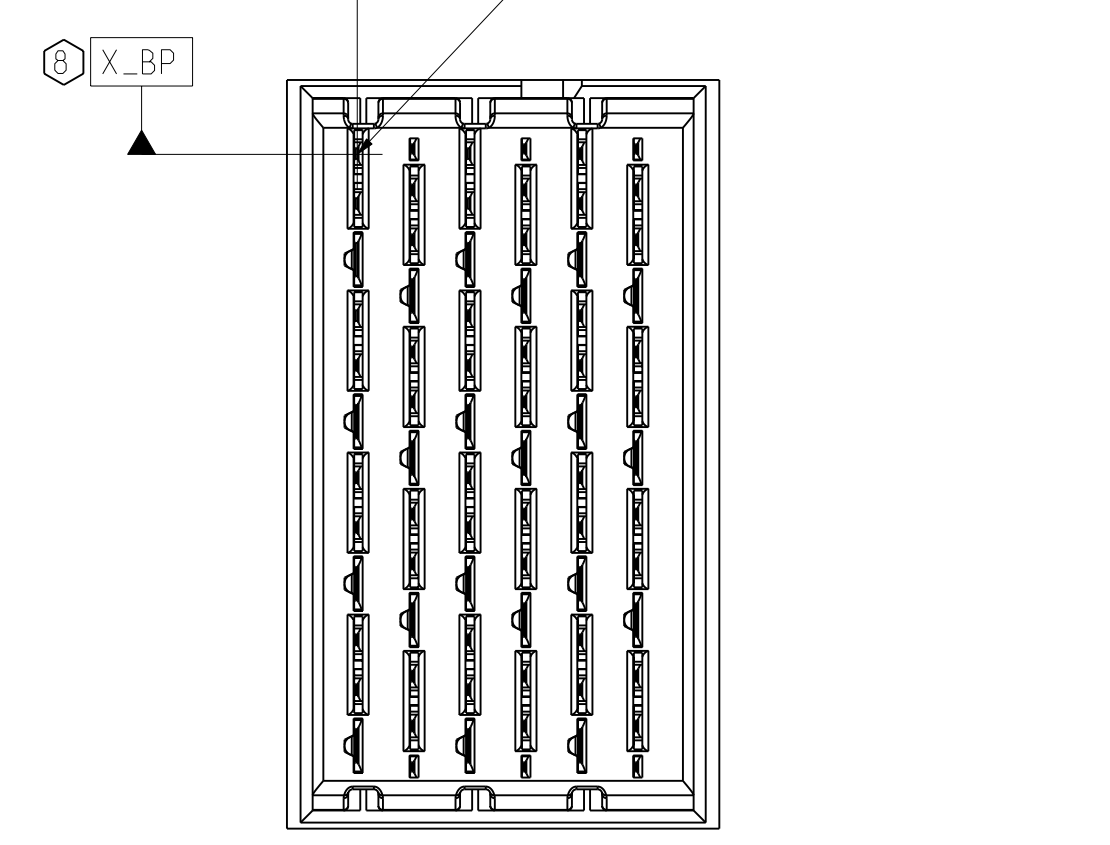
TOLERANCES		DESIGN 10/04/2006 LEIGHTON	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	TITLE	
0.0	±0.25	DRAWN 01/04/2006 LEIGHTON		BACKPLANE MODULES, VERTICAL MALE HEADER	
0.00	±0.13	CHK 10/05/2006 A.PFAHNL		XCede, 4 PAIR 6 POSITION	
0.000	± -	APVD 10/06/2006 A.PFAHNL			
ANGLES ± 3°		PART NO. SEE PN TREE SHEET 1		REV N/A	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MARKER IS PERIOD		DRAWING NO. C951-400C-500		REV B	
CUSTOMER USE DRAWING		ProE ASSEM C951-4-BP4 C951-400C-500.drw		14.7 B.O	
SIZE D	SCALE 4/1	SHEET 6 OF 8			

INTERPRET PER ASME Y14.5M
CODE IDENT 31413

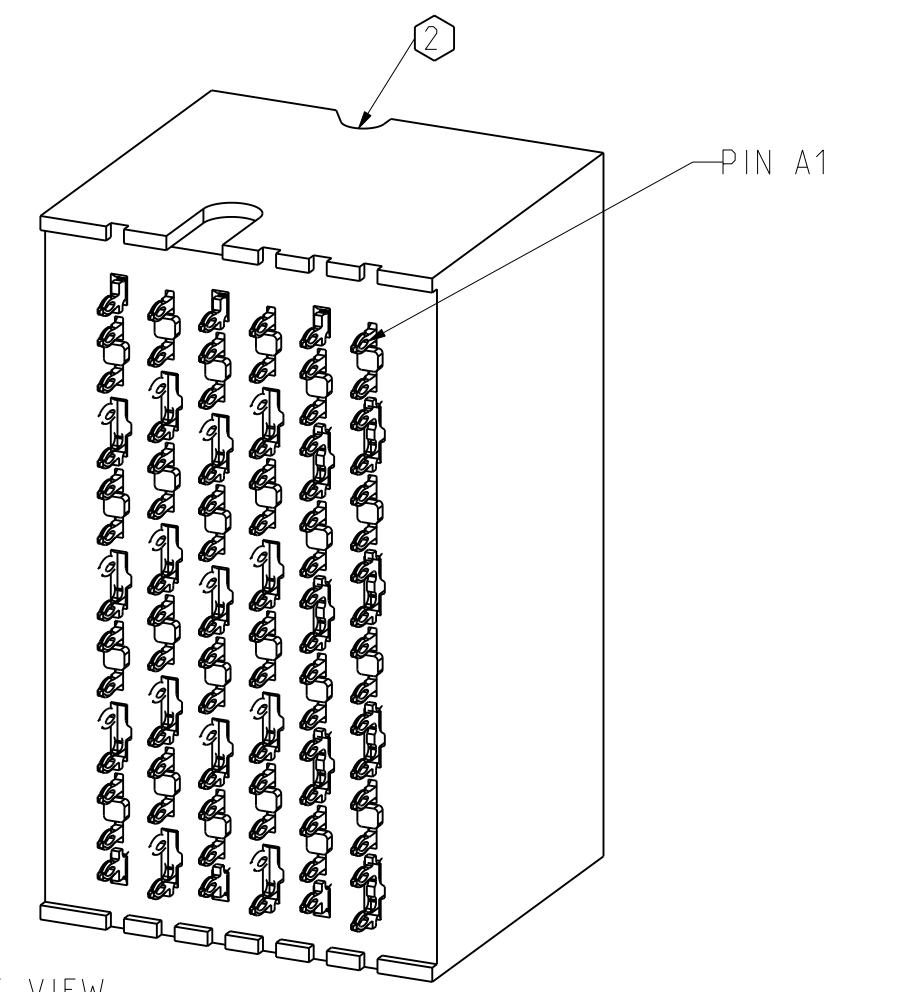
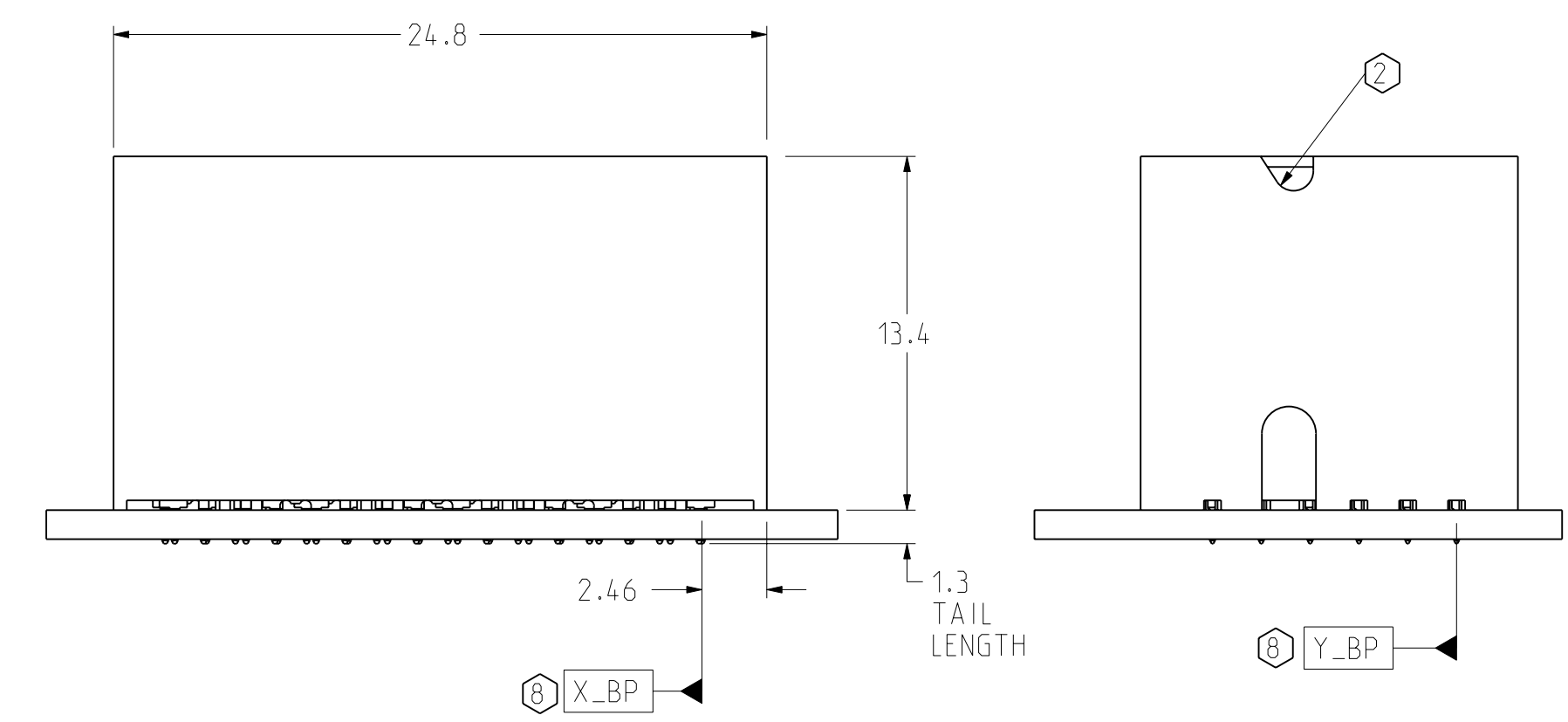
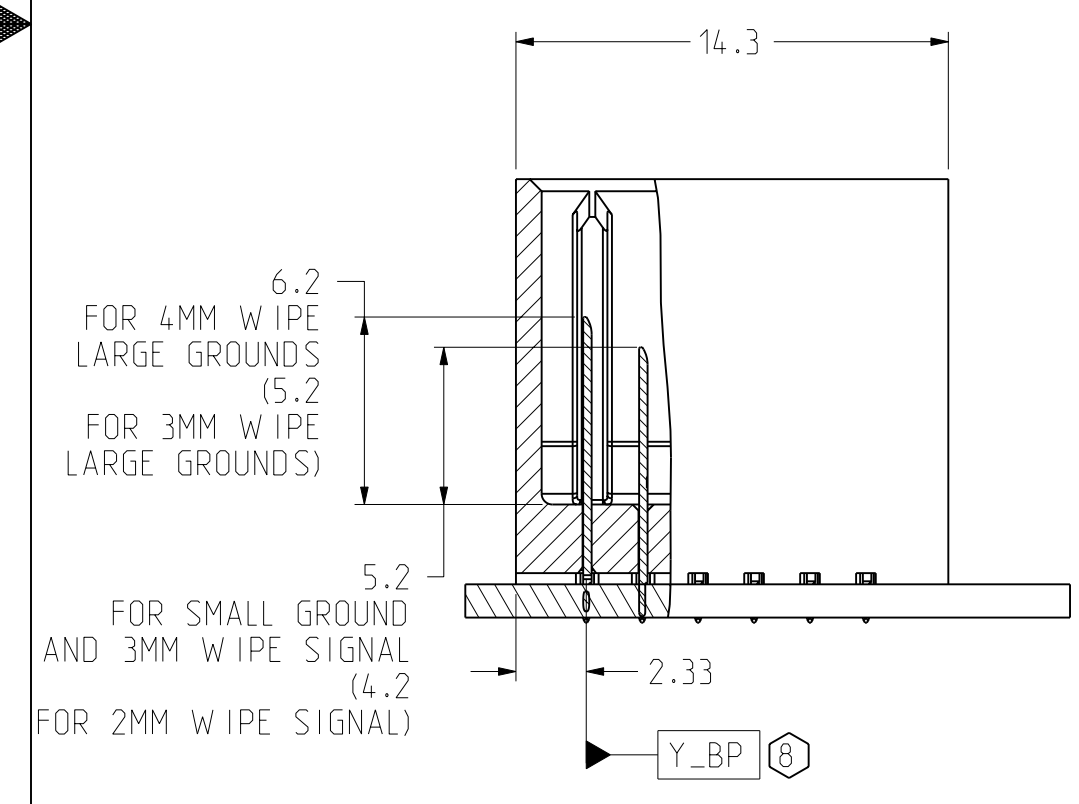
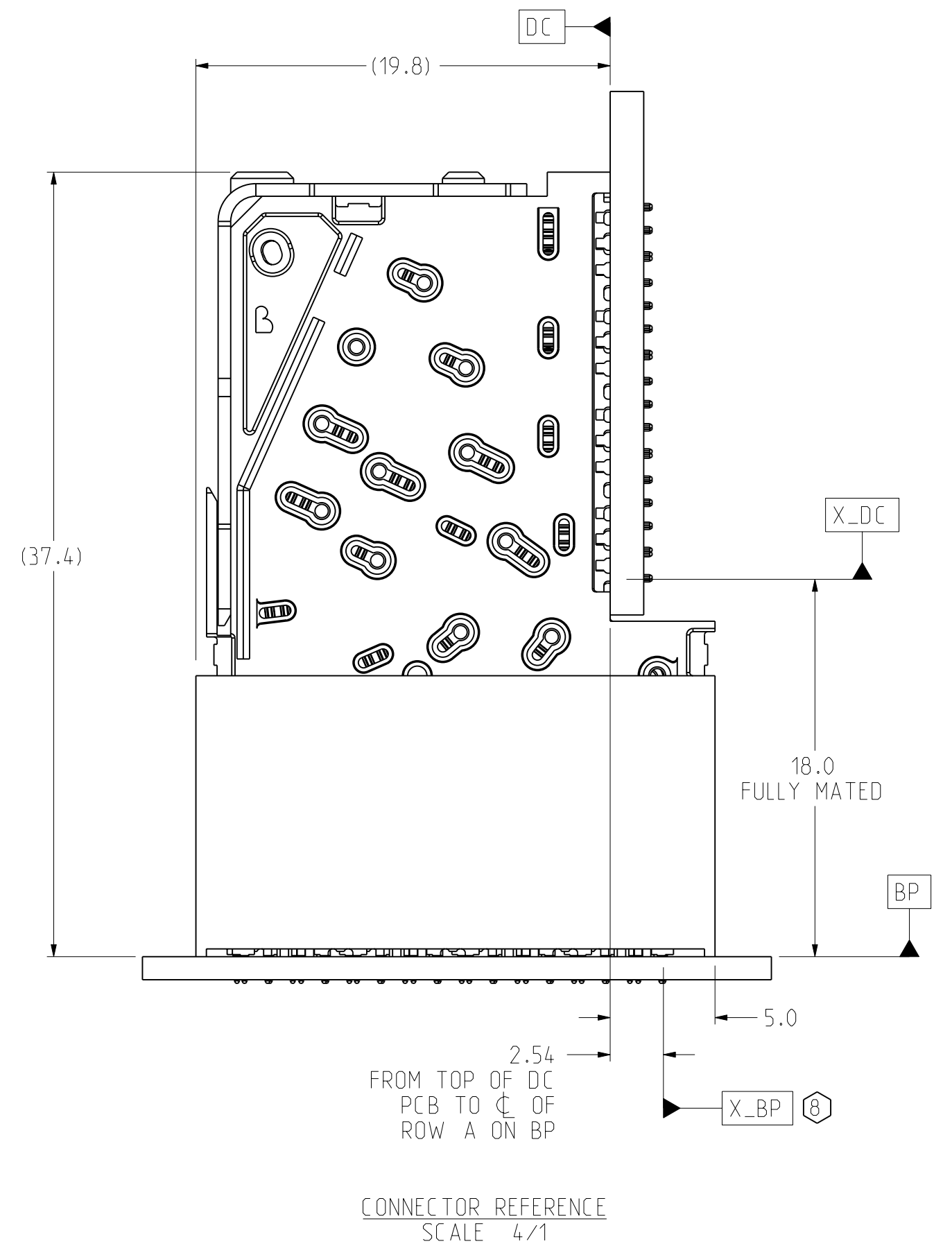
DRW NO. C951-400C-500

SH 6 REV B

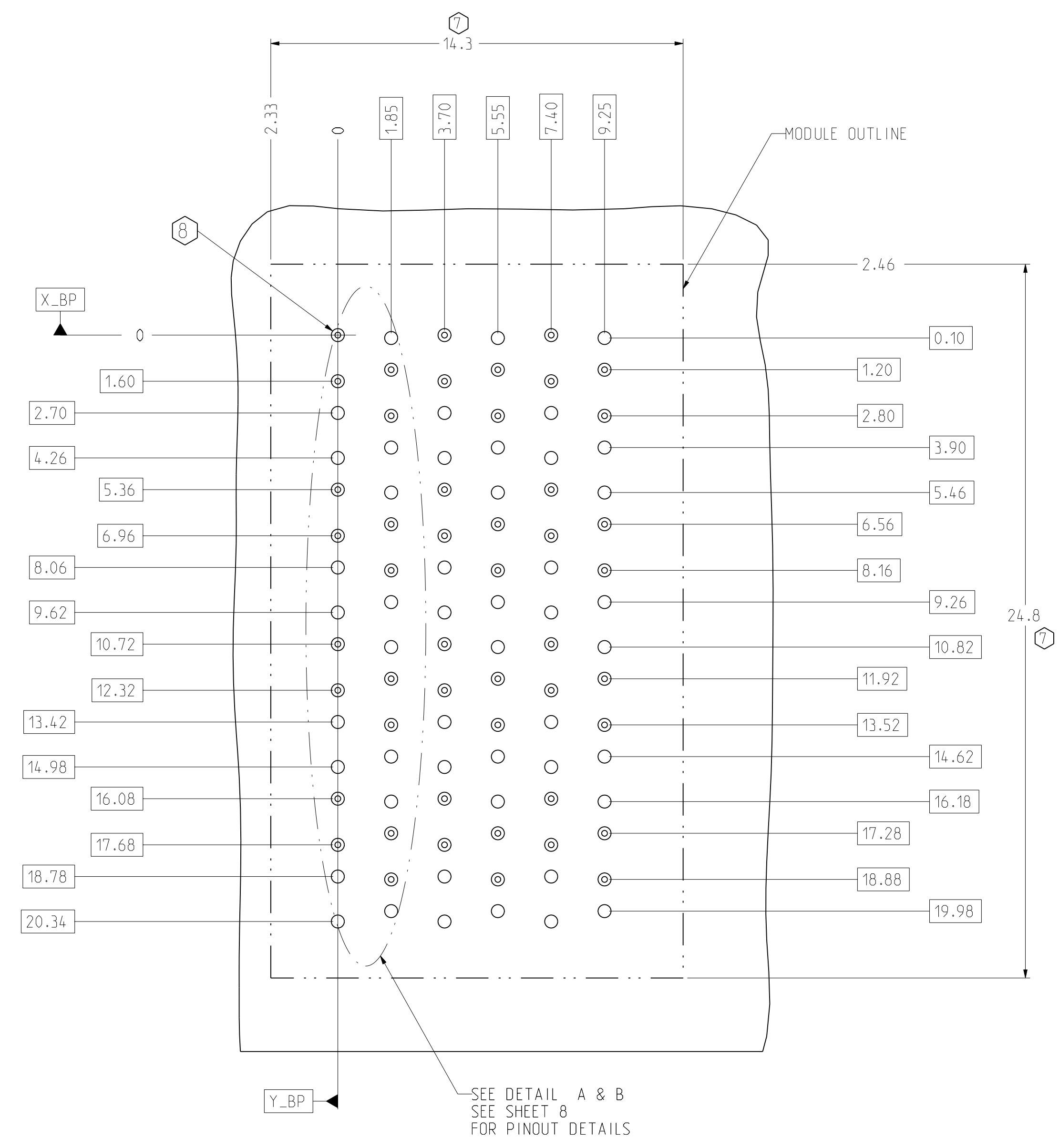
DATUMS X_BP AND Y_BP INTERSECT THE SIGNAL A1 VIA ON BACKPLANE



TWO WALL BACKPLANE MODULE DIMENSION



ISOMETRIC VIEW SCALE 4/1



SEE DETAIL A & B SEE SHEET 8 FOR PINOUT DETAILS

BP HOLE PATTERN COMPONENT SIDE SCALE 8/1

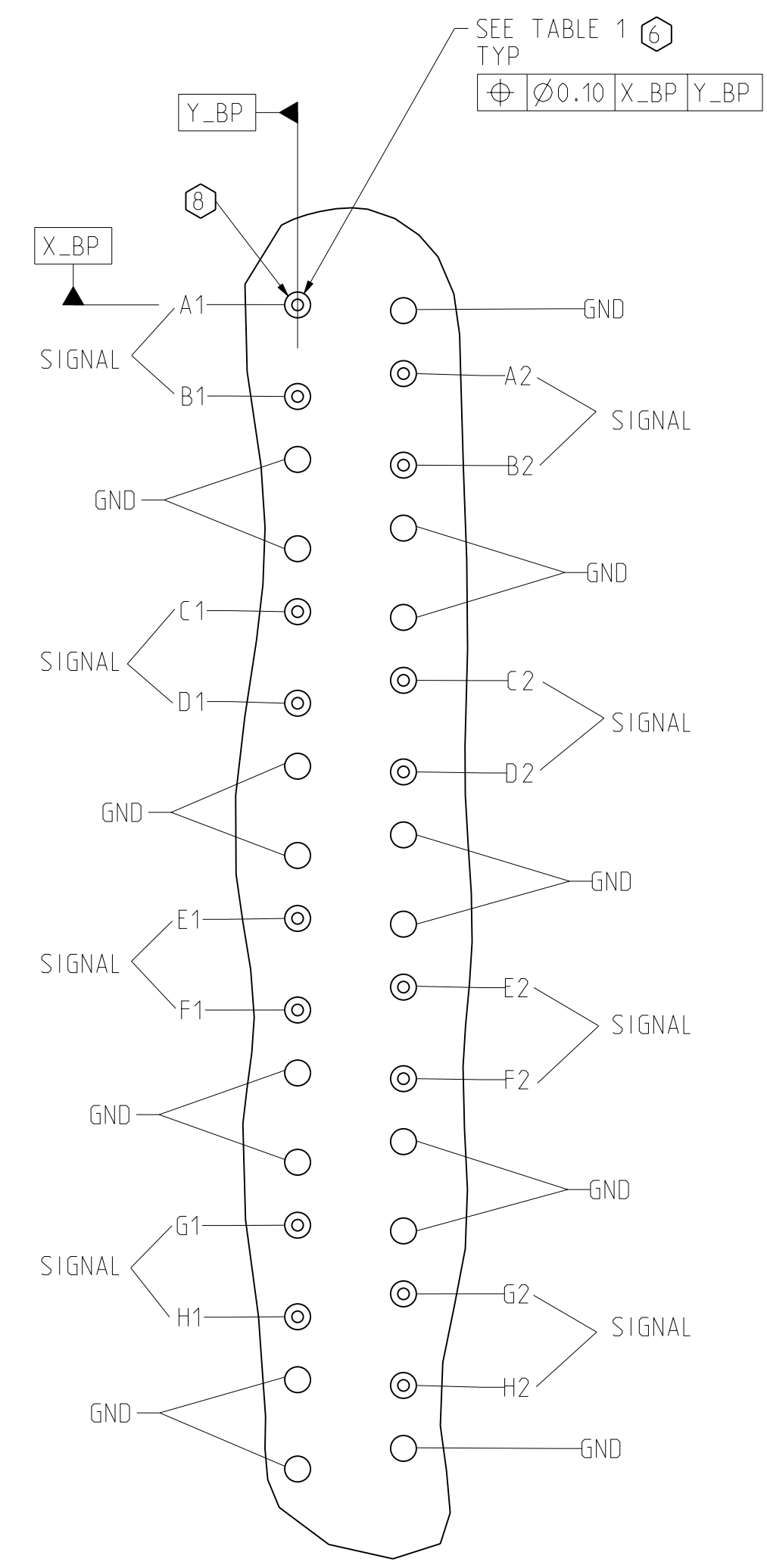
TWO WALL BACKPLANE FOOTPRINT

TOLERANCES	DESIGN 10/04/2006 LEIGHTON	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	TITLE	BACKPLANE MODULES, VERTICAL MALE HEADER
0.0 ±0.25	DRAWN 01/04/2006 LEIGHTON		XCode, 4 PAIR 6 POSITION	
0.00 ±0.13	CHK 10/05/2006 A.PFAHNL		PART NO.	SEE PN TREE SHEET 1
0.000 ± -	APVD 10/06/2006 A.PFAHNL		DRAWING NO.	C951-400C-500
ANGLES ± 3°	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS PERIOD	REV	N/A	14.7 B.O
INTERPRET PER ASME Y14.5M CODE IDENT 31413		CUSTOMER USE DRAWING		ProE ASSEM C951-4-BP4 C951-400C-500.drw
SIZE D	SCALE 4/1	SHEET 7 OF 8		

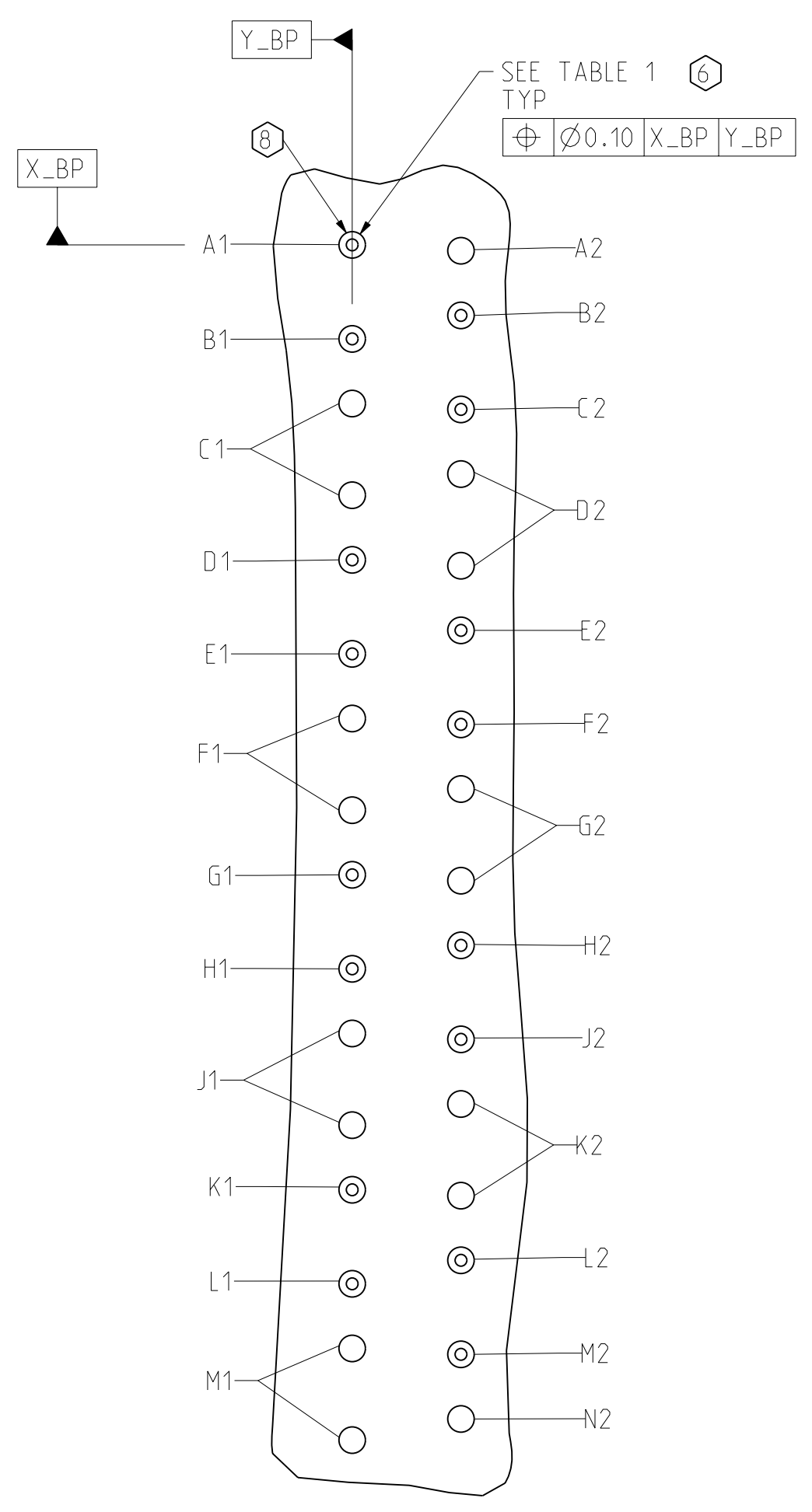
DRW NO. C951-400C-500

SH 7 REV B

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



DETAIL A
HSD PINOUTS
SCALE 10/1



DETAIL B
LC PINOUTS
SCALE 10/1

	COMPLIANT PIN DRILL $\varnothing 0.0217"$	COMPLIANT PIN DRILL $\varnothing 0.0177"$
PTH	$\varnothing 0.45 \pm 0.05$	$\varnothing 0.36 \pm 0.05$
DRILL	$\varnothing 0.55 [0.0217"]$	$\varnothing 0.45 [0.0177"]$
PAD	$\varnothing 0.85$	$\varnothing 0.75$

TOLERANCES		DESIGN 10/04/2006 LEIGHTON	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	TITLE	BACKPLANE MODULES, VERTICAL MALE HEADER XCede, 4 PAIR 6 POSITION	
0.0	± 0.25	DRAWN 01/04/2006 LEIGHTON		PART NO.	SEE PN TREE SHEET 1	REV N/A
0.00	± 0.13	CHK 10/05/2006 A.PFAHNL		DRAWING NO.	C951-400C-500	REV B
0.000	$\pm -$	APVD 10/06/2006 A.PFAHNL		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS PERIOD	ProE ASSEM C951-4--BP4 C951-400C-500.drw	14.7 B.0
ANGLES	$\pm 3^\circ$		CUSTOMER USE DRAWING		SIZE D SCALE 4/1 SHEET 8 OF 8	

INTERPRET PER ASME Y14.5M
CODE IDENT 31413

C951-400C-500

SH 8 REV B