

ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
SHT1.A8	K	BWAG-17121301	UPDATED NOTE 7	HCL-SA	12/15/2017	B.WANG
SHT6.A5 & SHT7. A5 SHT1 B8	L	BWAG-18022207	NOTCH DESIGN UPDATED FOR RIGHT WALL & TWO WALL HOUSING TB-2235 WAS TB-2308 IN NOTE 1	HCL-SH	02/26/2018	B.WANG
SHT1	M	JN11-19082209	ADDED PLATING OPTION "R" AND "U" TO P/N TREE	HCL-SG	09/04/2019	J.NI

NOTE: ONLY THREE MOST RECENT RELEASED REVISIONS DISPLAYED.

9 2 3 - 4 X 0 E - X X X

XCede HD BACKPLANE MODULE MALE STANDARD LOAD

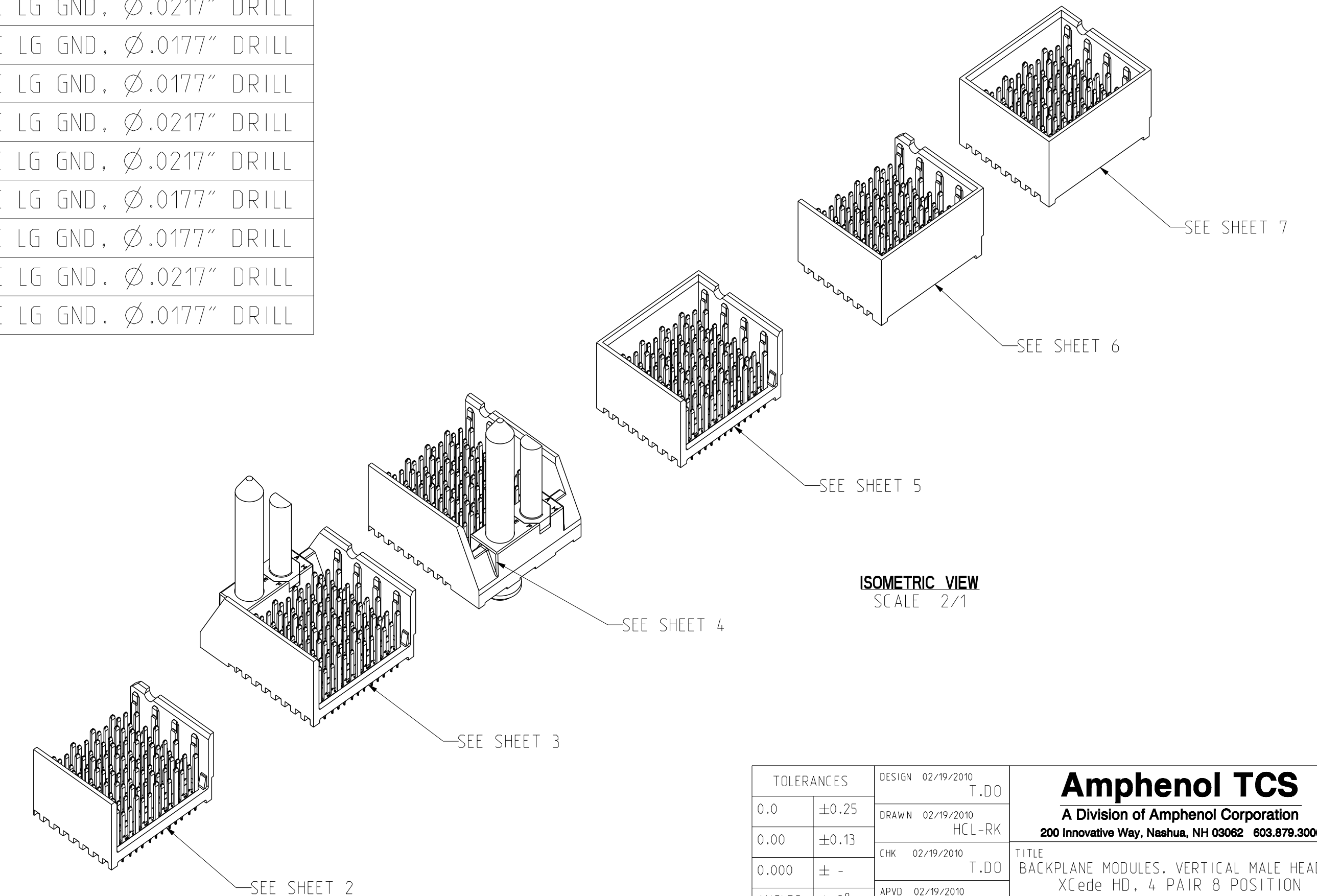
4 PAIR 8-POSITION

NUMBER	PIN STYLE, HEIGHT
0	GUIDE PIN MACHINED, 28.5mm / OPEN MODULE

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

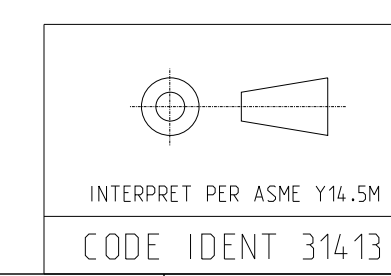
LETTER	PLATING
B	NI SULFAMATE, STANDARD GOLD, LEADED
C	NI SULFAMATE, HIGH GOLD, LEADED
D	NI SULFAMATE, STANDARD GOLD, LEADFREE
E	NI SULFAMATE, HIGH GOLD, LEADFREE
F	NANO NI, STANDARD GOLD, LEADED
G	NANO NI, HIGH GOLD, LEADED
H	NANO NI, STANDARD GOLD, LEADFREE
J	NANO NI, HIGH GOLD, LEADFREE
P	PD-NI, STANDARD GOLD, LEADFREE
R	NANO NI BILAYER, STANDARD GOLD, LEADFREE
T	PD-NI, GOLD FLASH, LEADFREE
U	NANO NI BILAYER, HIGH GOLD, LEADFREE

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



ISOMETRIC VIEW SCALE 2/1

- NOTES:
- REFER TO TB-2235 FOR XCede HD PRODUCT SPECIFICATIONS.
  - NOTCH DESIGNATES "ROW A" SIDE OF SHROUD. NOTCH FEATURE ON OPPOSITE SIDE FROM PART MARKING.
  - SEE TB-2325 FOR PART MARKING REQUIREMENTS.
  - 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-2245.
  - SEE TB-2237 FOR ROUTING GUIDELINES & PTH REQ'S.
  - SEE DOC "C-190-0009-000" FOR TOOLING KEEPOUT ZONES.
  - BACKPLANE DATUM REFERENCE.
  - DIMENSIONS APPLY FOR BOTH COMPLIANT PIN SIZES.
  - OPTIONAL HOLE/MOUNTING SCREW LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE PIN SUPPORT. SEE DRAWING C-914-4010-000 FOR OPTIONAL HOLE DETAILS. ONLY APPLIES FOR MACHINED GUIDE PIN APPLICATIONS.



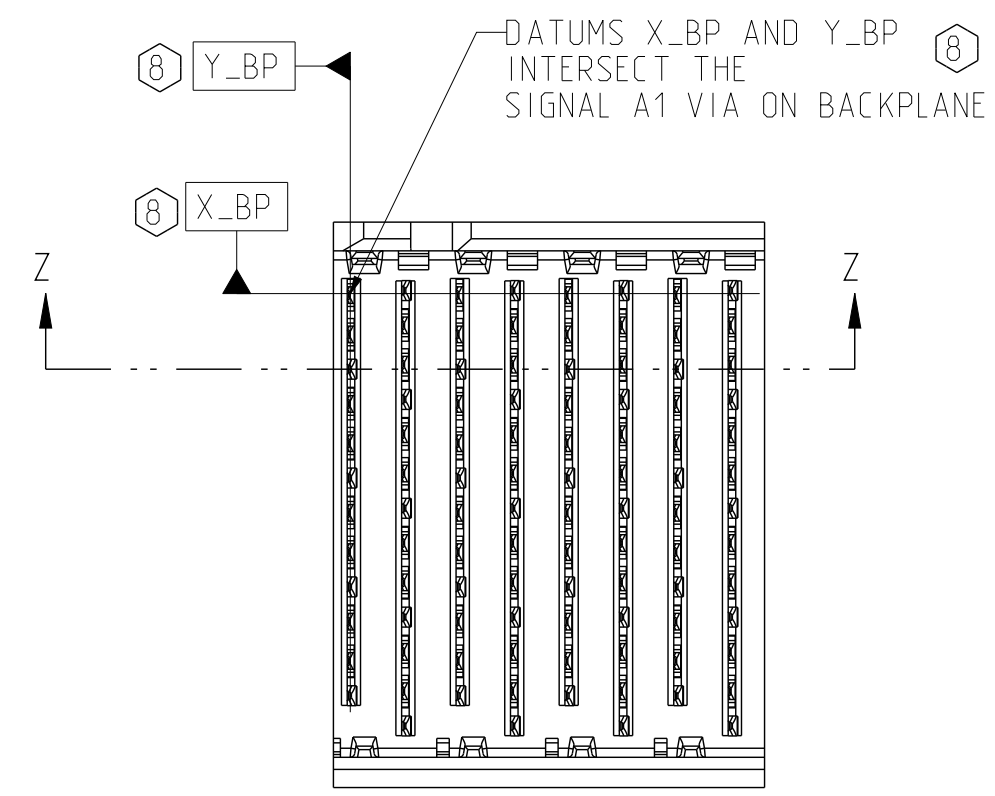
TOLERANCES	DESIGN 02/19/2010	T.D.O	<b>Amphenol TCS</b> A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000
0.0	$\pm$ 0.25	DRAWN 02/19/2010	
0.00	$\pm$ 0.13	HCL-RK	
0.000	$\pm$ -	CHK 02/19/2010	
ANGLES	$\pm$ 3°	APVD 02/19/2010	T.D.O

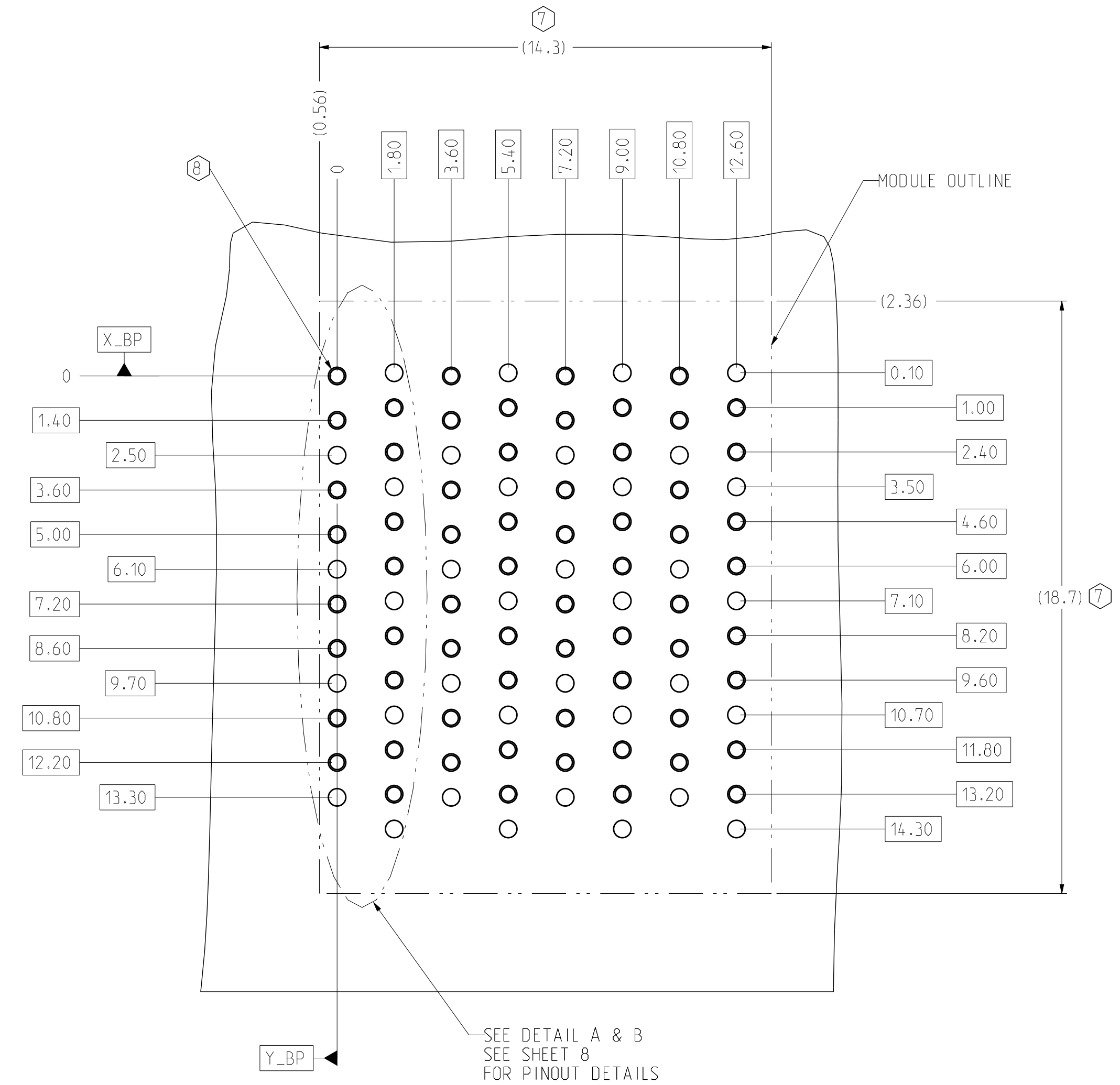
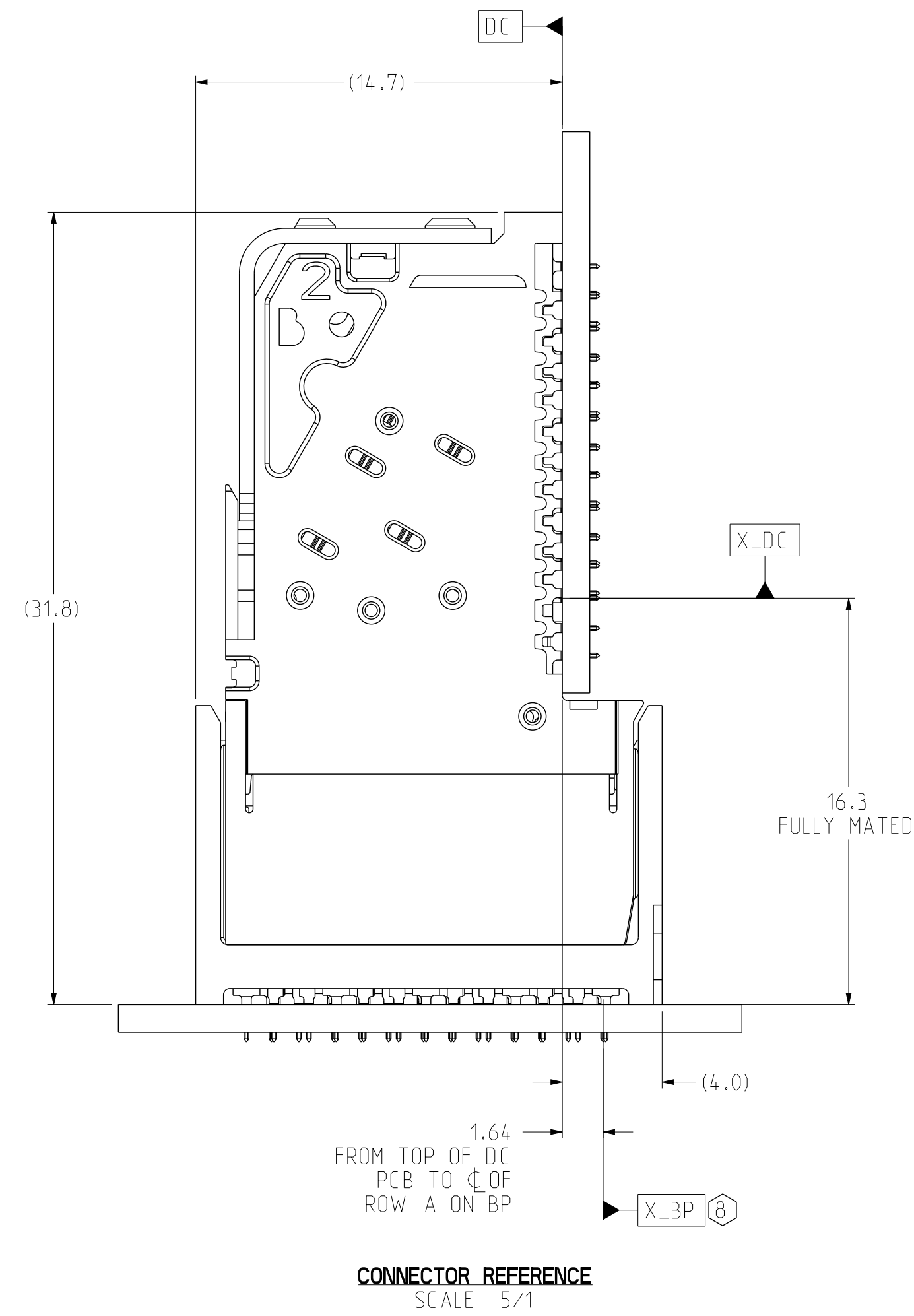
TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede HD, 4 PAIR 8 POSITION		PART NO. SEE PN TREE SHEET 1	REV N/A
DRAWING NO. C-923-400E-500		REV M	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD		ASSEM C923-400E-500 1.3 DRAWING C923-400E-500 A.16	
SIZE D	SCALE 1/1	SHEET 1 OF 8	

CUSTOMER USE DRAWING

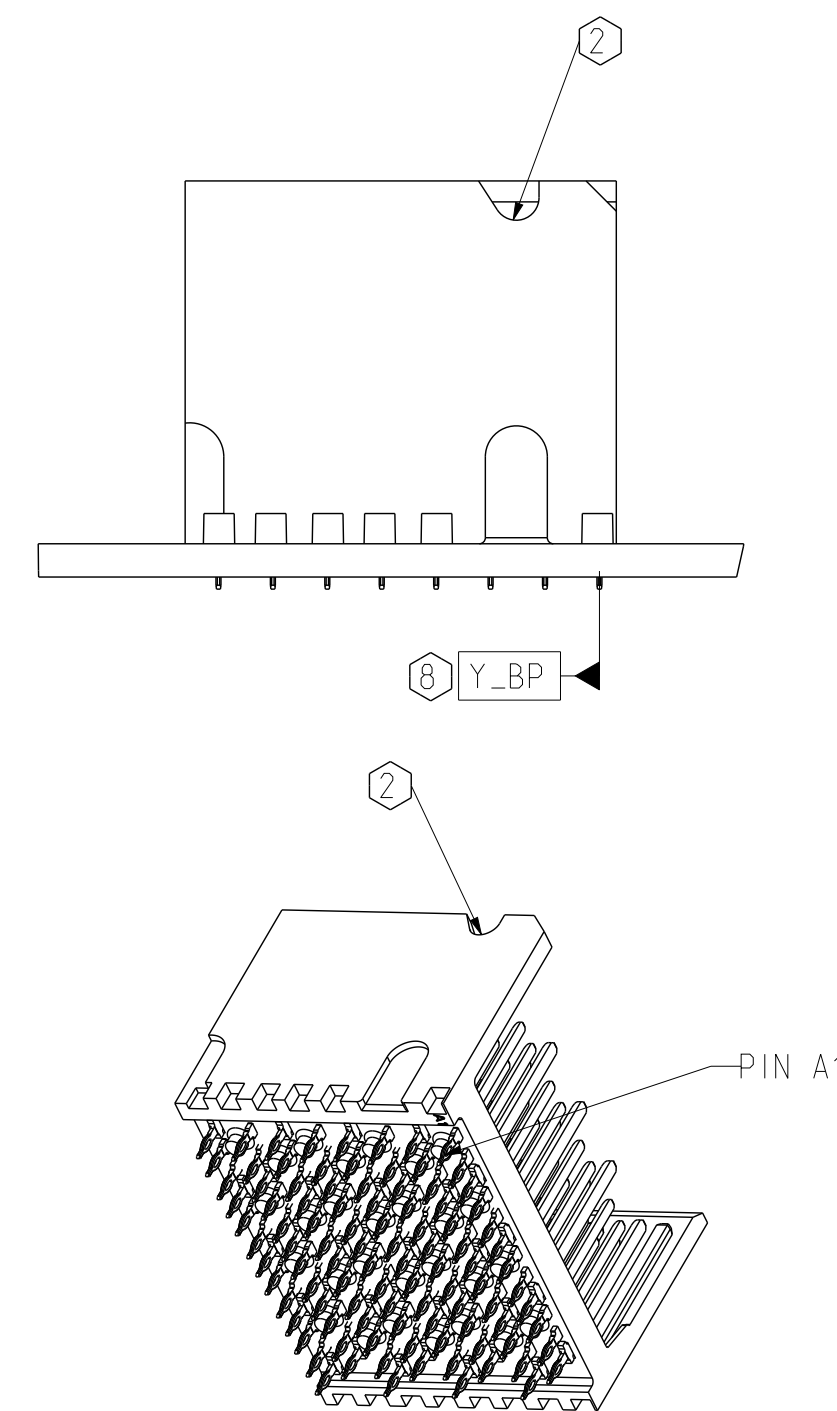
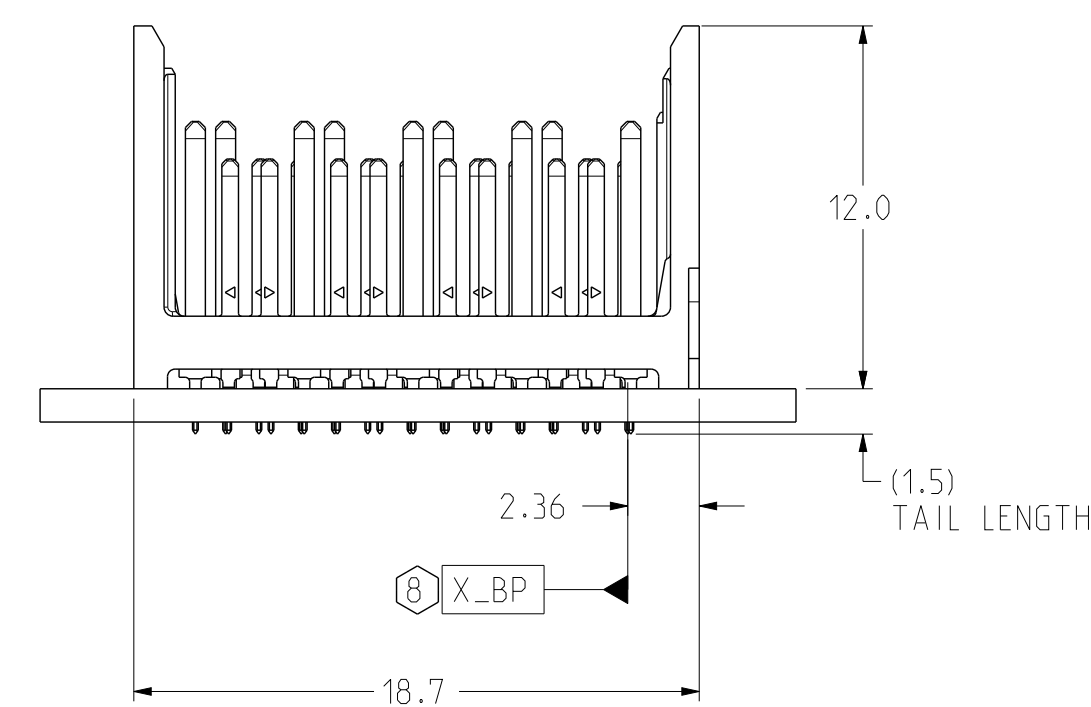
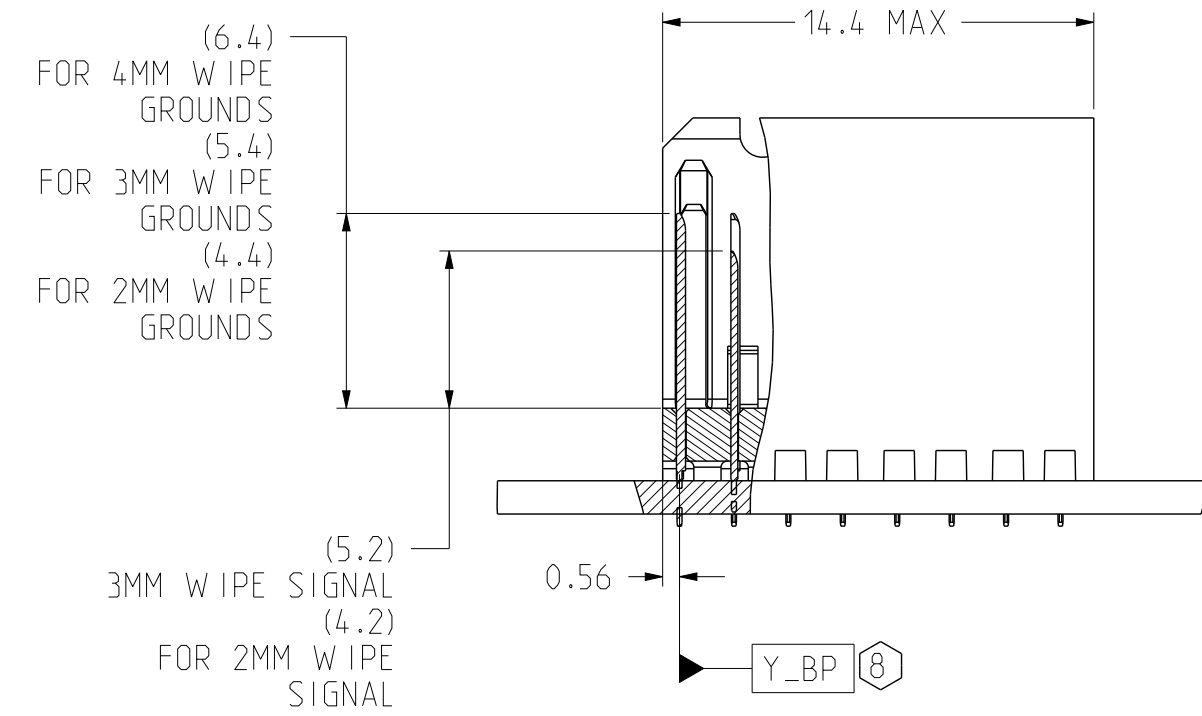
ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



**OPEN BACKPLANE MODULE DIMENSION**



**OPEN BACKPLANE FOOTPRINT**



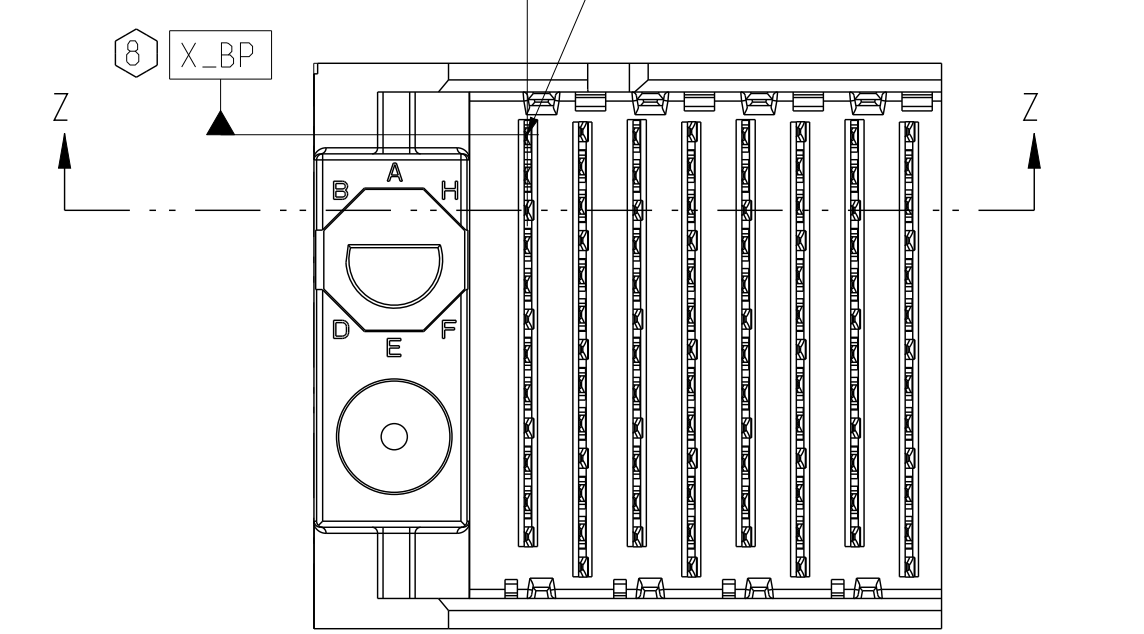
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0.00	$\pm 0.13$	DRAWN 02/19/2010	200 Innovative Way, Nashua, NH 03062 603.879.3000		
0.000	$\pm -$	CHK 02/19/2010	TITLE		
ANGLES	$\pm 3^\circ$	APVD 02/19/2010	BACKPLANE MODULES, VERTICAL MALE HEADER		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD			PART NO.	REV	
			SEE PN TREE SHEET 1	N/A	
			DRAWING NO.	REV	
			C-923-400E-500	M	
			ASSEM C923-400E-500	1.3	
			DRAWING C923-400E-500	A.16	
SIZE	D	SCALE	1/1	SHEET	2 OF 8

INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

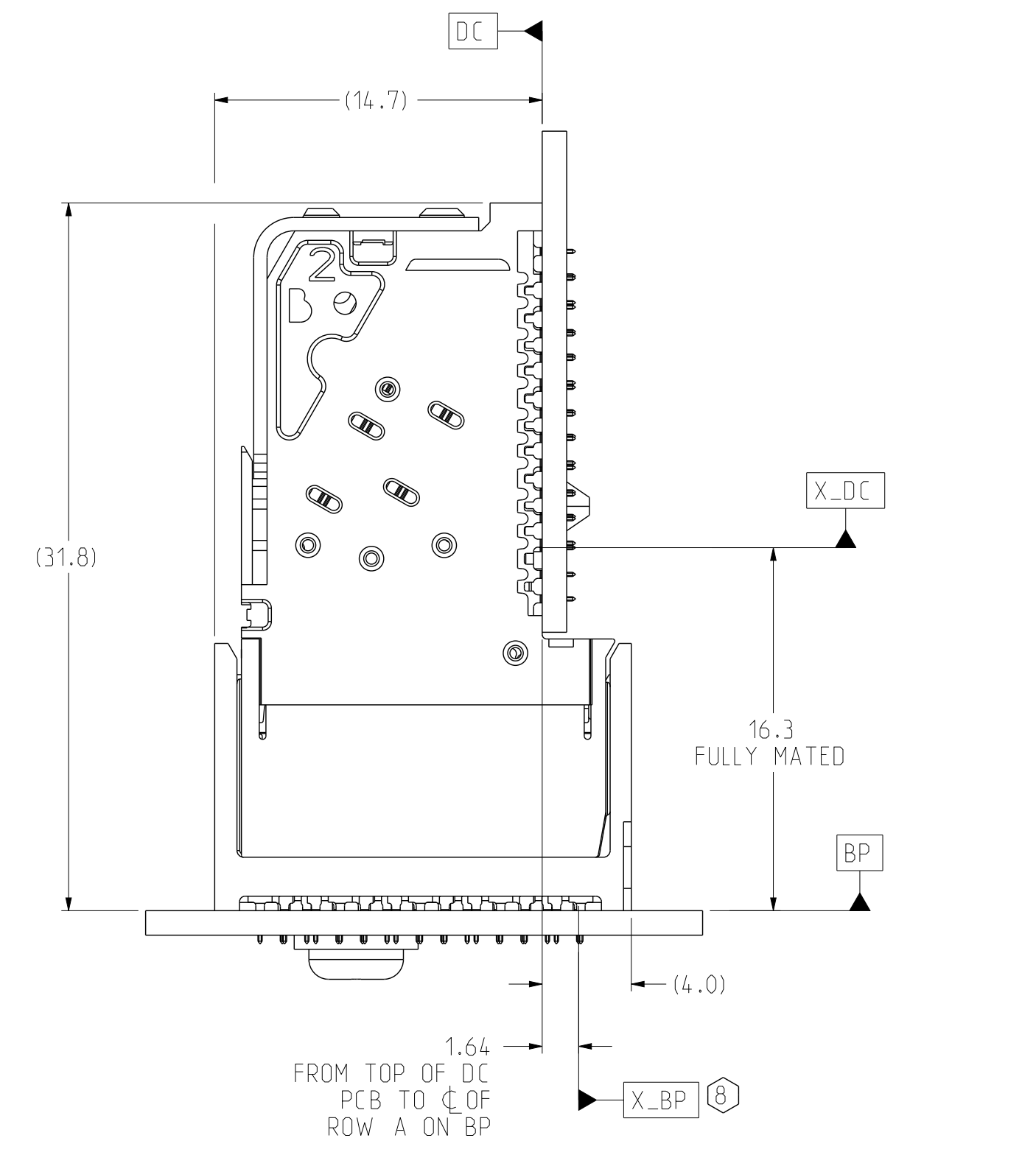
**CUSTOMER USE  
DRAWING**

ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

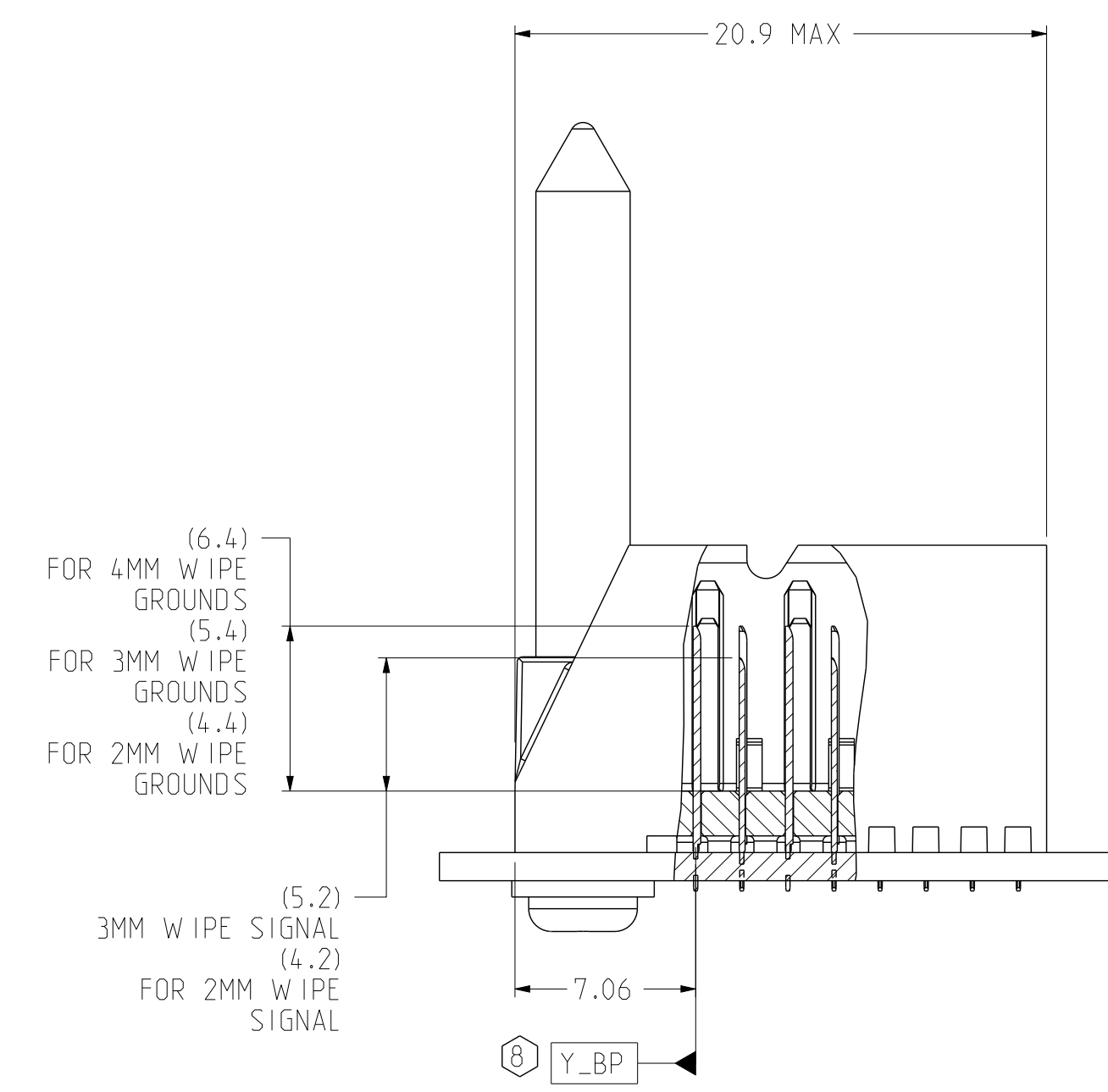
DATUMS X\_BP AND Y\_BP INTERSECT THE SIGNAL A1 VIA ON BACKPLANE



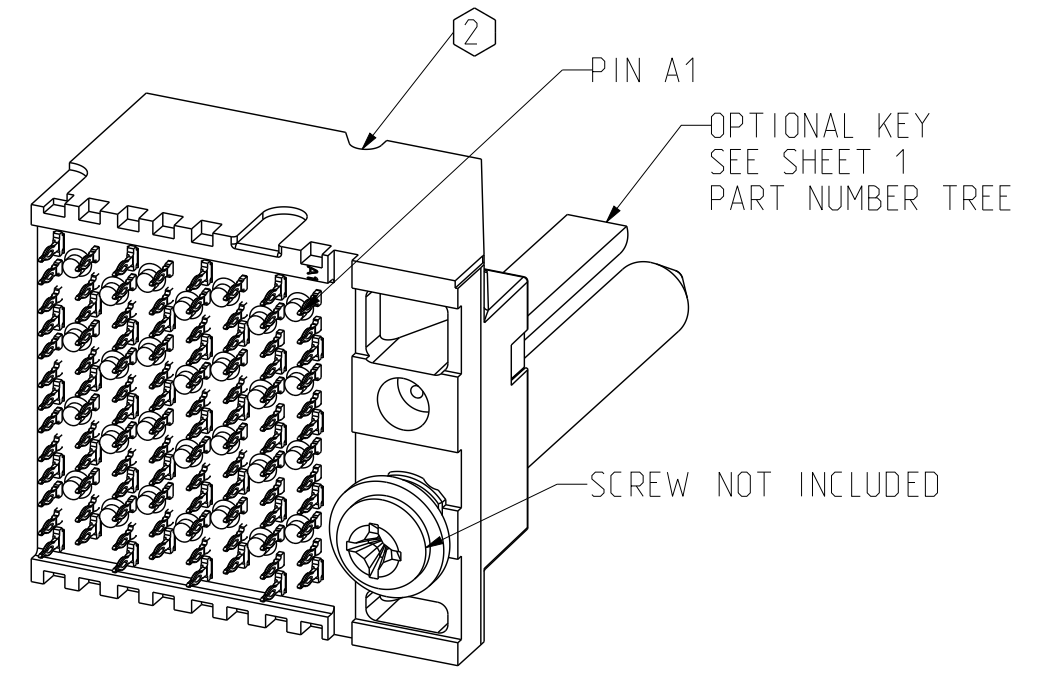
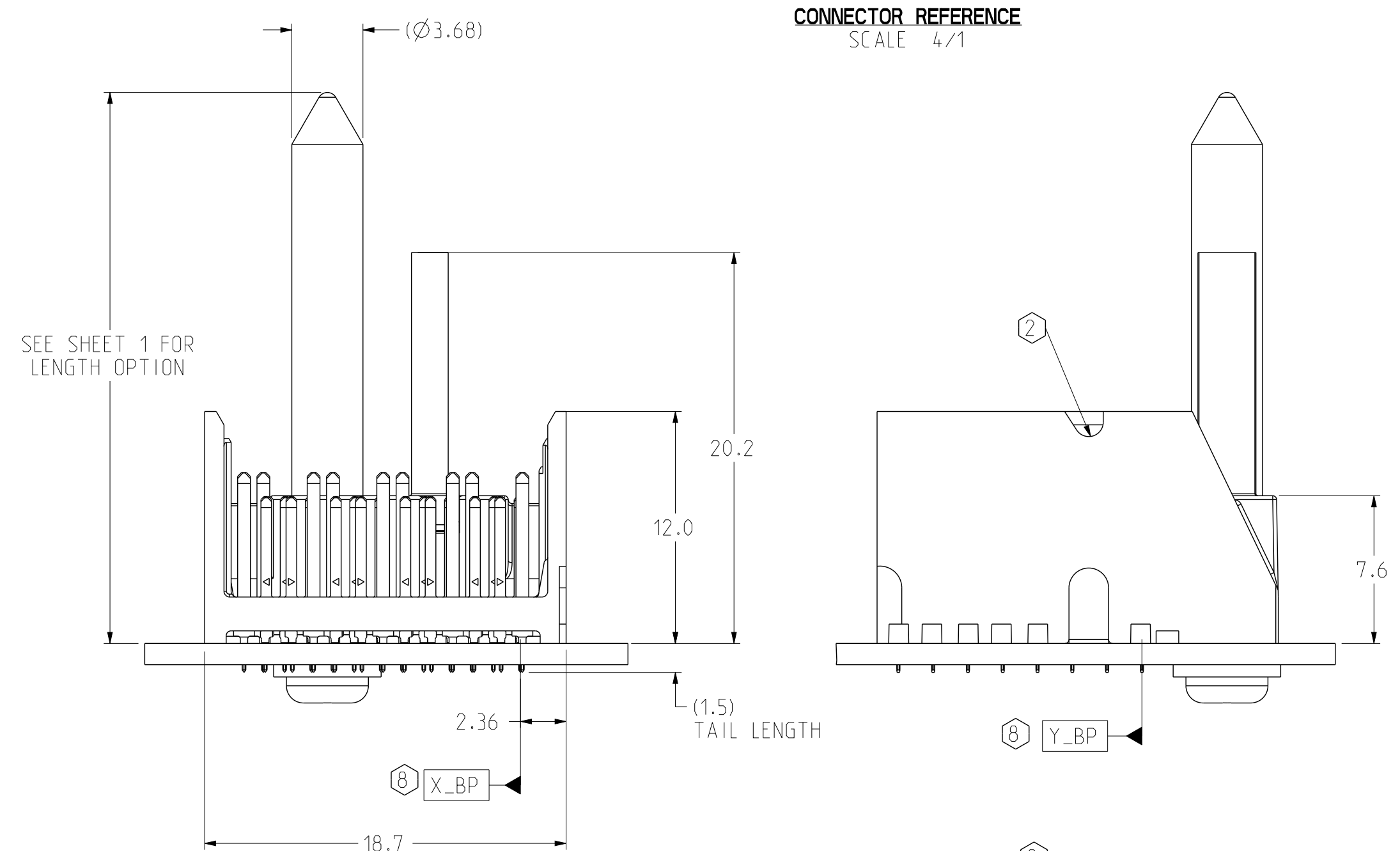
**LEFT POLARIZING/GUIDE BACKPLANE MODULE DIMENSION**



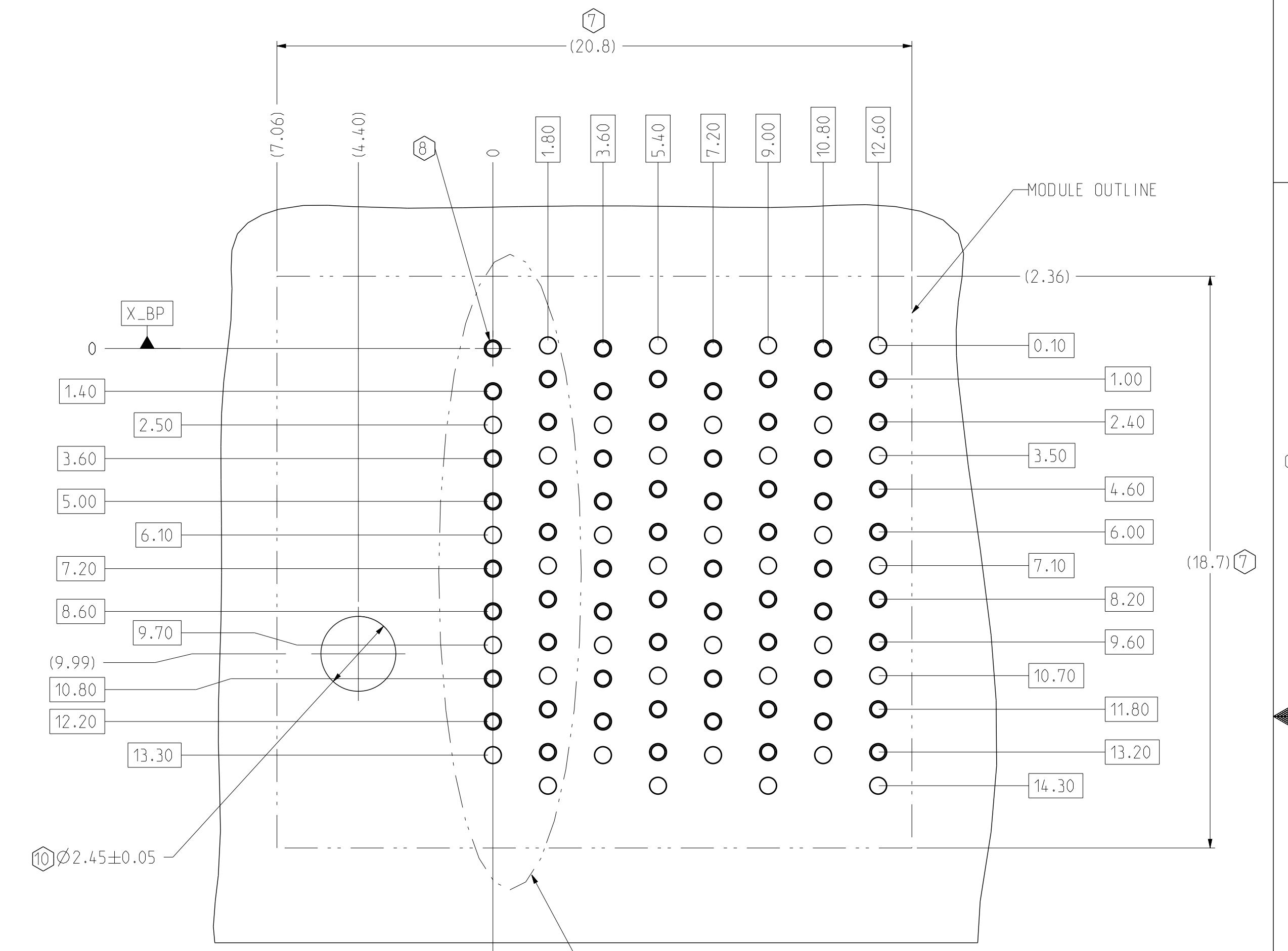
**CONNECTOR REFERENCE**  
SCALE 4/1



**SECTION Z-Z**



**ISOMETRIC VIEW**  
SCALE 3/1



**BP HOLE PATTERN COMPONENT SIDE**  
SCALE 8/1

**LEFT POLARIZING/GUIDE BACKPLANE FOOTPRINT**

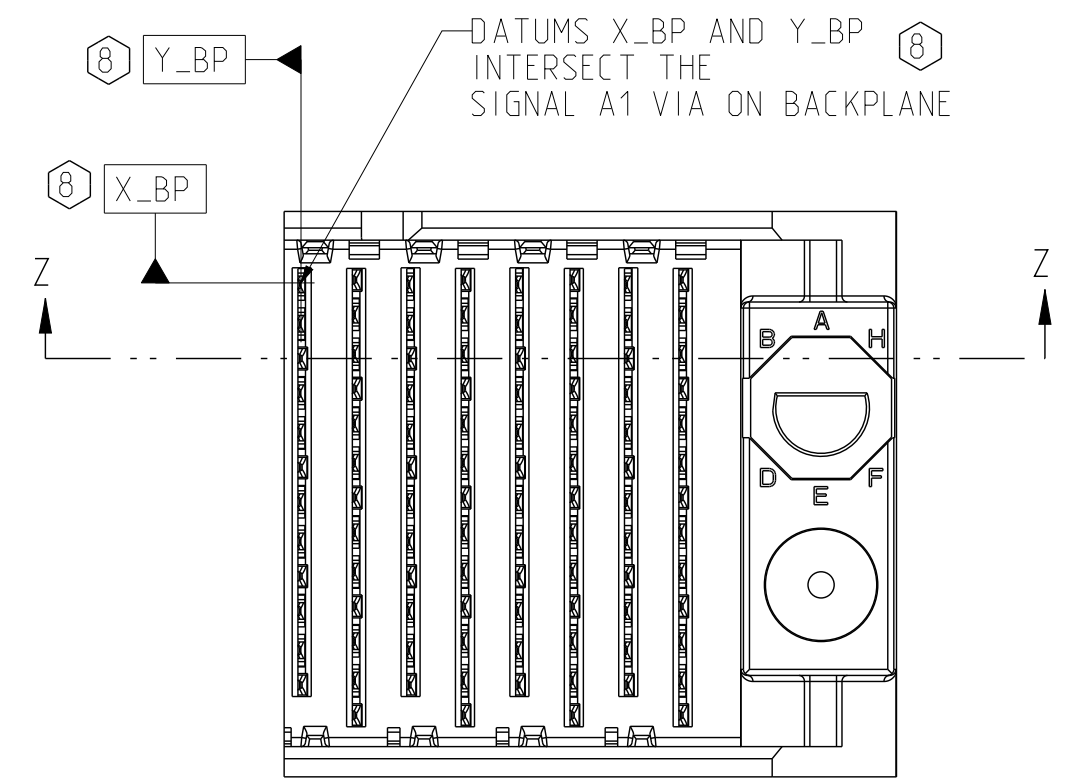
TOLERANCES	DESIGN 02/19/2010	T.D.O	<b>Amphenol TCS</b> A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000 TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede HD, 4 PAIR 8 POSITION PART NO. SEE PN TREE SHEET 1 DRAWING NO. C-923-400E-500 ASSEM C923-400E-500 1.3 DRAWING C923-400E-500 A.16
0.0	±0.25	T.D.O	
0.00	±0.13	HCL-RK	
0.000	± -	T.D.O	
ANGLES	± 3°	T.D.O	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD

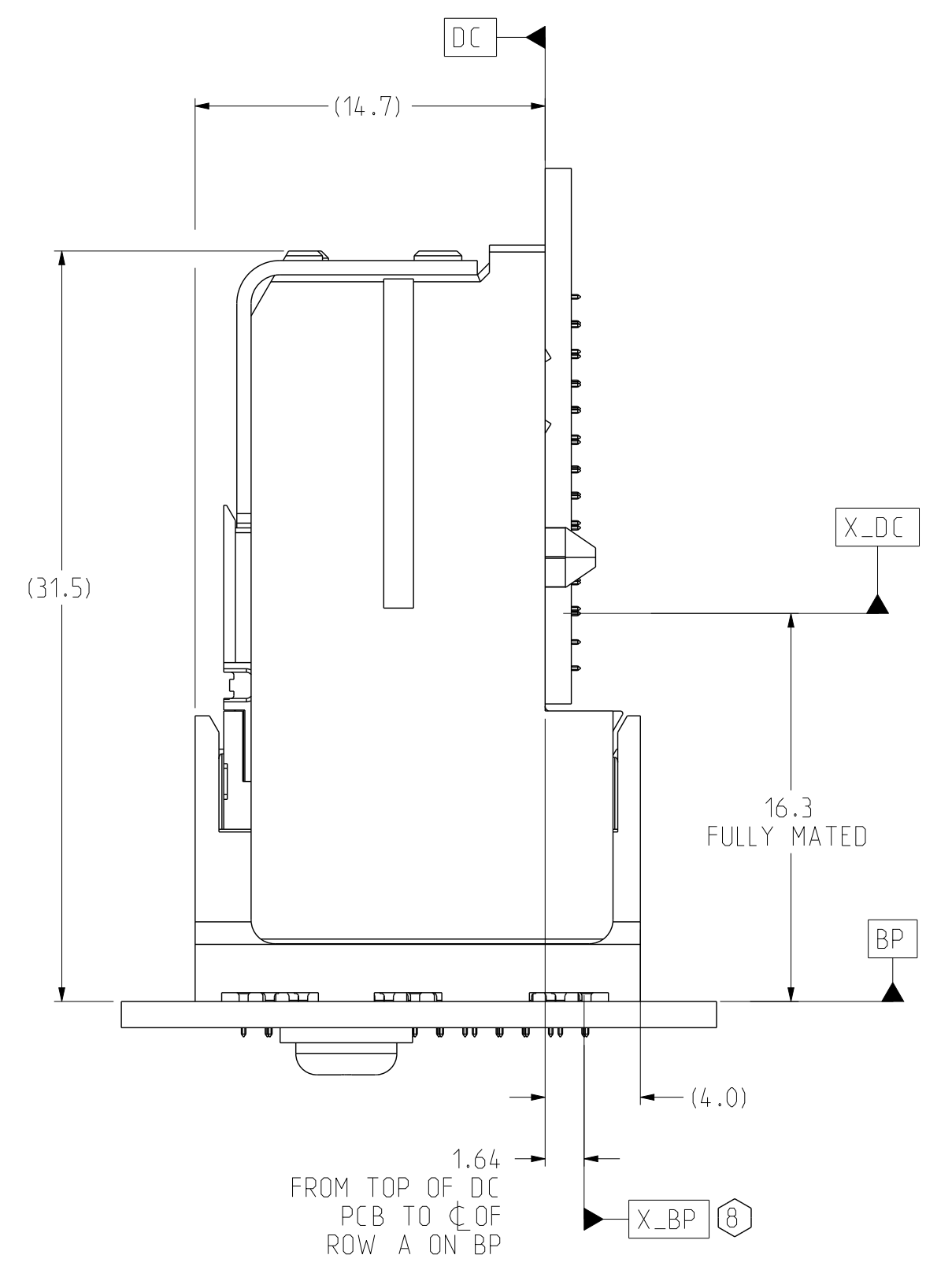
INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

**CUSTOMER USE DRAWING**

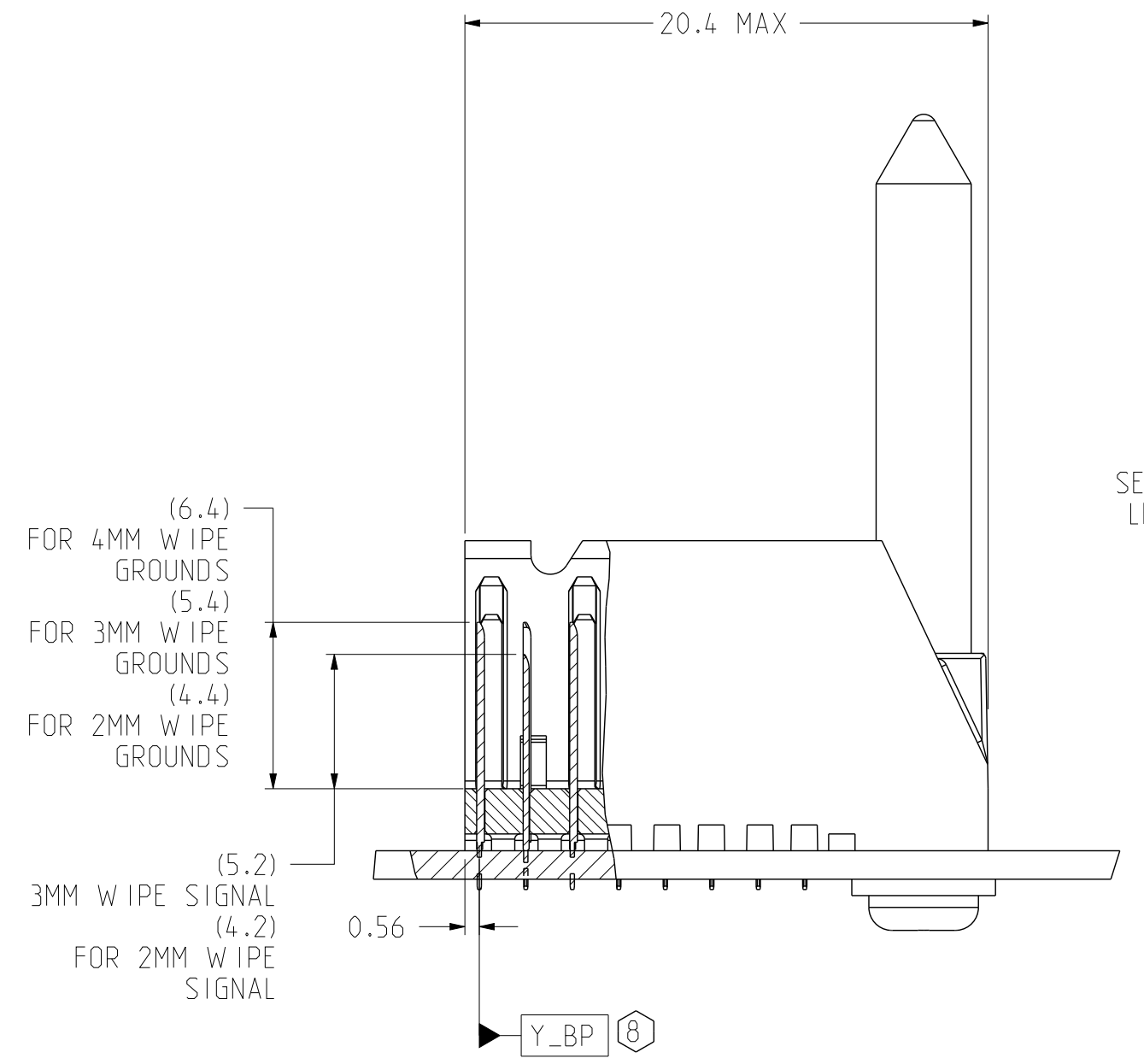
DRW NO.	C-923-400E-500	SH	4	REV	M	
ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



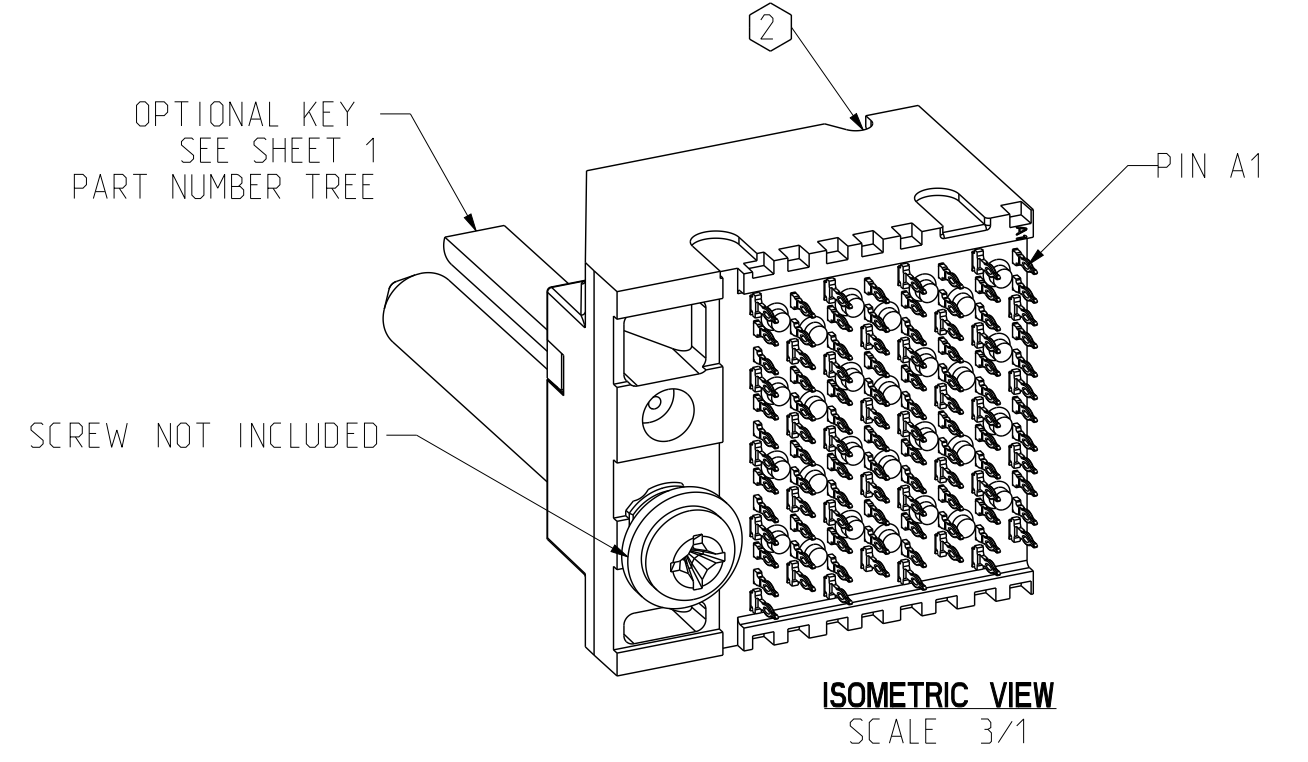
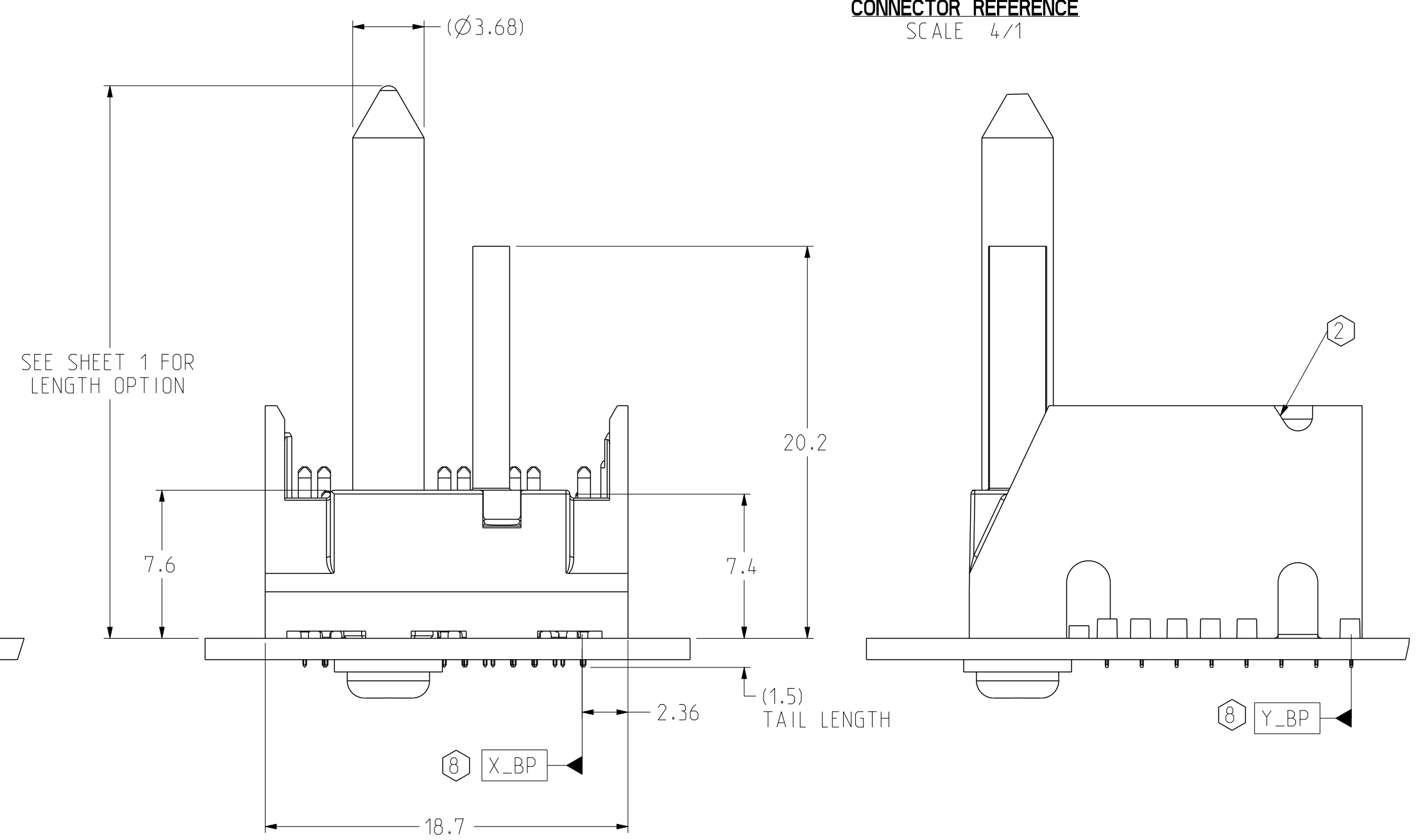
**RIGHT POLARIZING/GUIDE BACKPLANE MODULE DIMENSION**



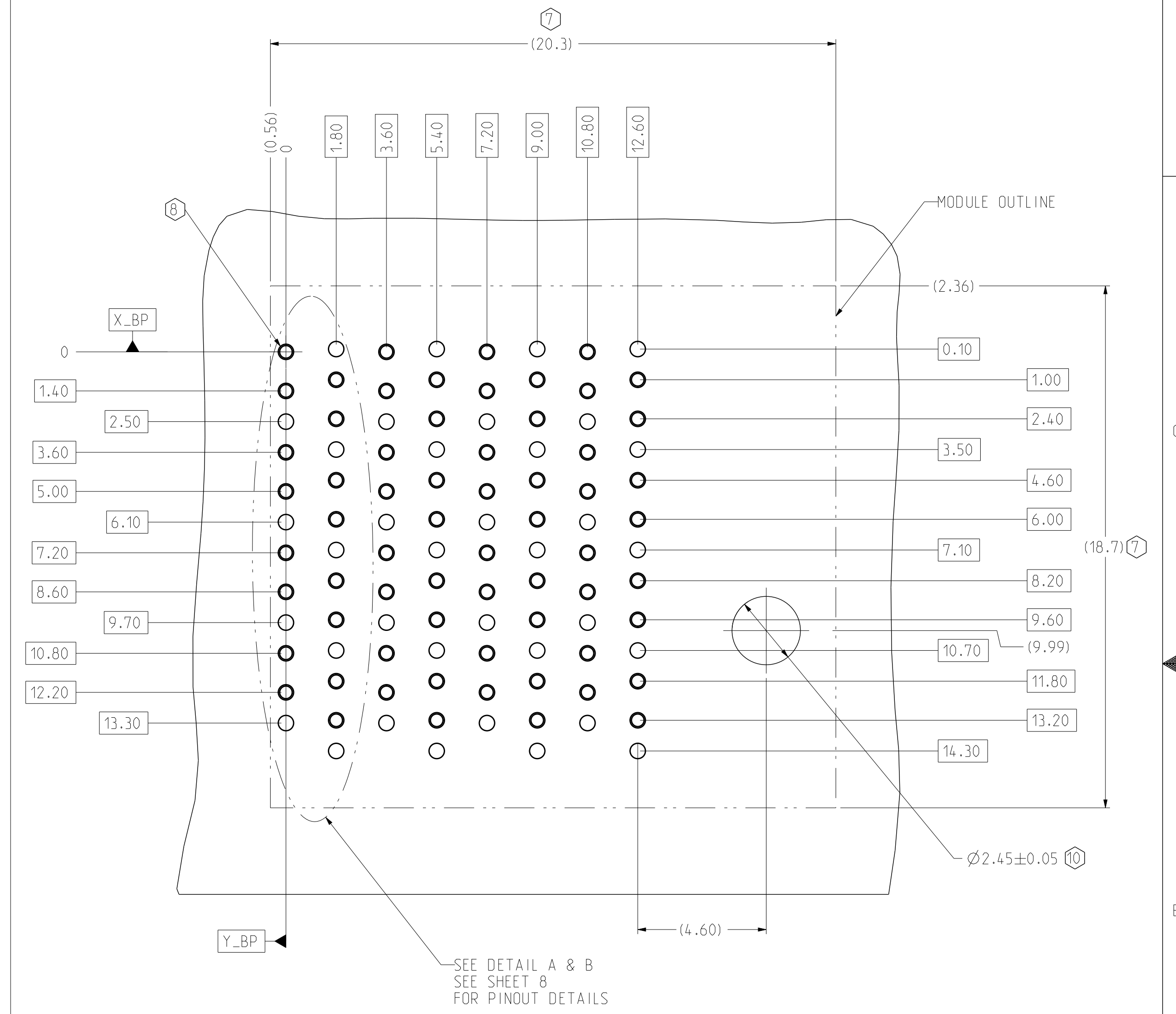
**CONNECTOR REFERENCE**  
SCALE 4/1



**SECTION Z-Z**



**ISOMETRIC VIEW**  
SCALE 3/1



**BP HOLE PATTERN**  
COMPONENT SIDE  
SCALE 8/1

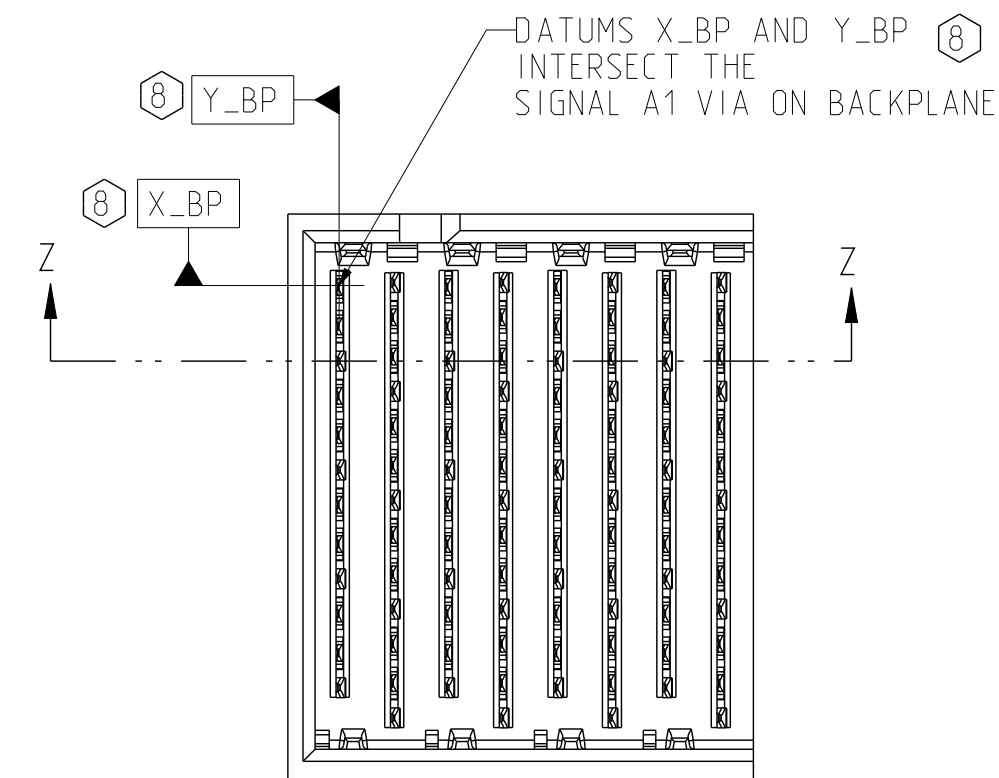
**RIGHT POLARIZING/GUIDE BACKPLANE FOOTPRINT**

TOLERANCES	DESIGN 02/19/2010	<b>Amphenol TCS</b>	
0.0 ±0.25	T.DO	A Division of Amphenol Corporation	
0.00 ±0.13	DRAWN 02/19/2010	200 Innovative Way, Nashua, NH 03062 603.879.3000	
0.000 ± -	CHK 02/19/2010	TITLE BACKPLANE MODULES, VERTICAL MALE HEADER	
ANGLES ± 3°	APVD 02/19/2010	XCede HD, 4 PAIR 8 POSITION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD		PART NO.	REV
		SEE PN TREE SHEET 1	N/A
		DRAWING NO.	REV
		C-923-400E-500	M
		ASSEM C923-400E-500	1.3
		DRAWING C923-400E-500	A.16
SIZE D	SCALE 1/1	SHEET 4 OF 8	

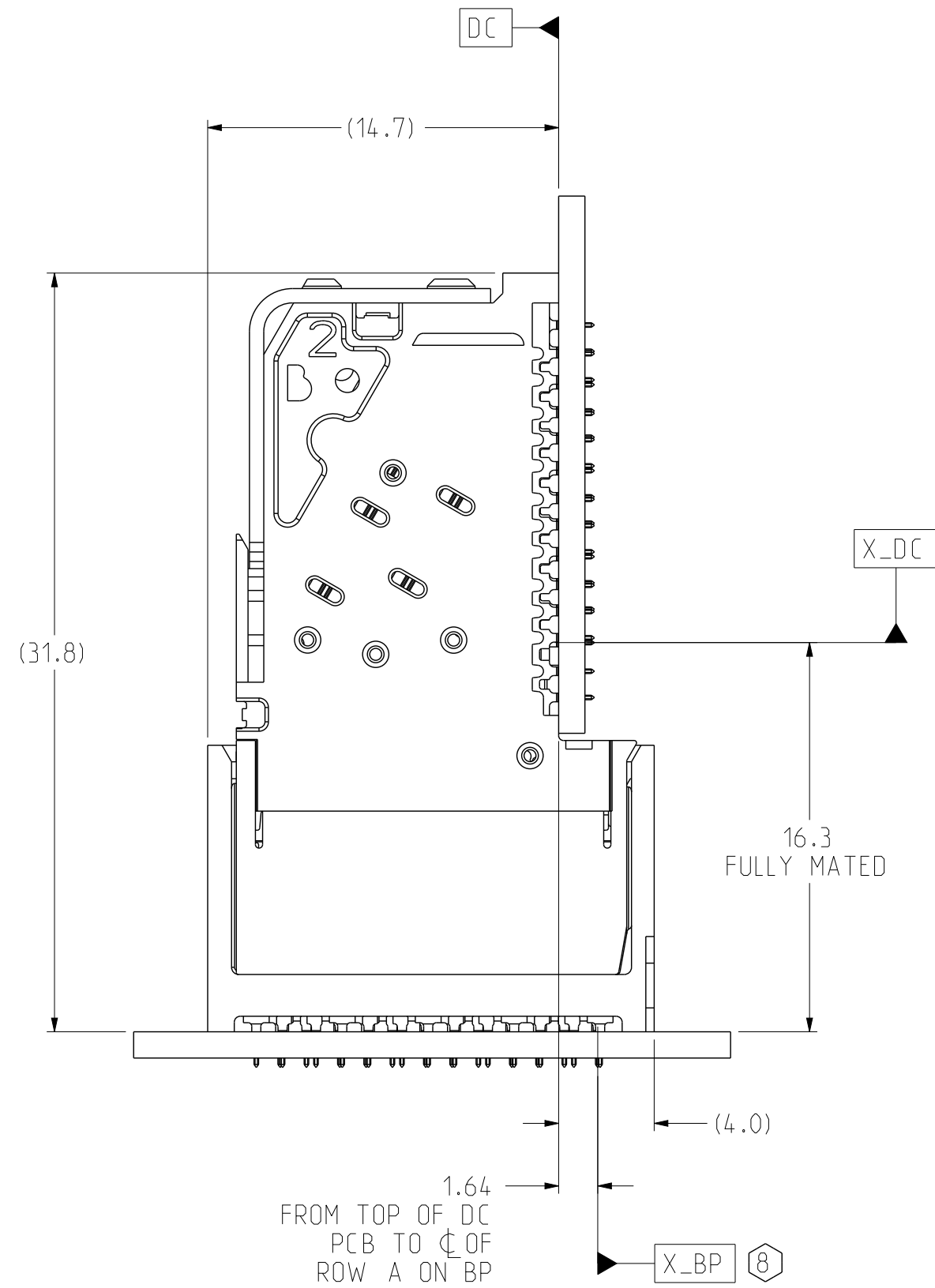
INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

**CUSTOMER USE**  
**DRAWING**

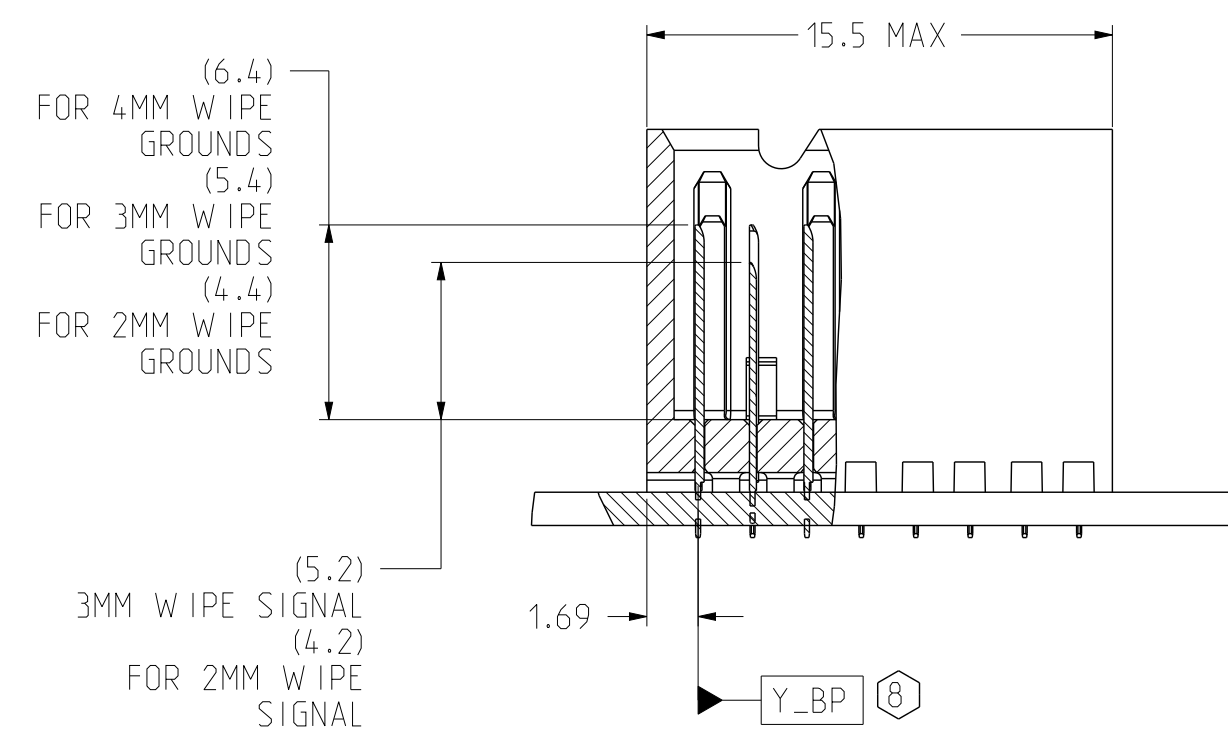
ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



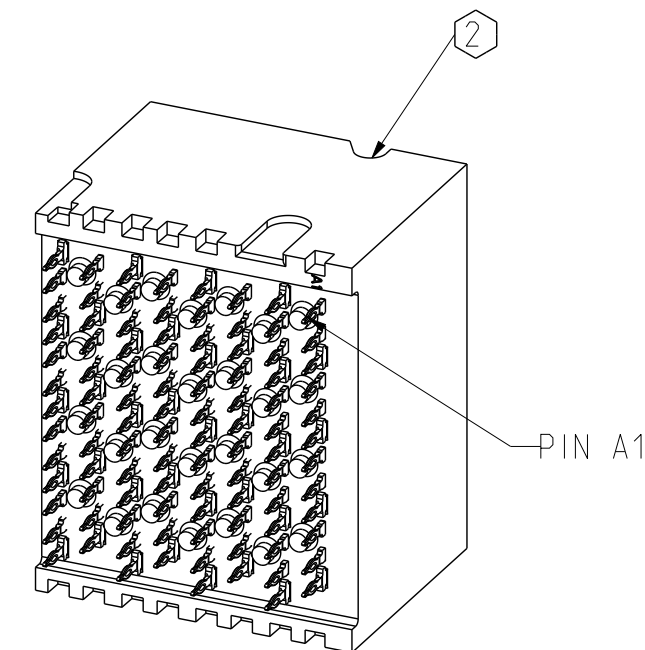
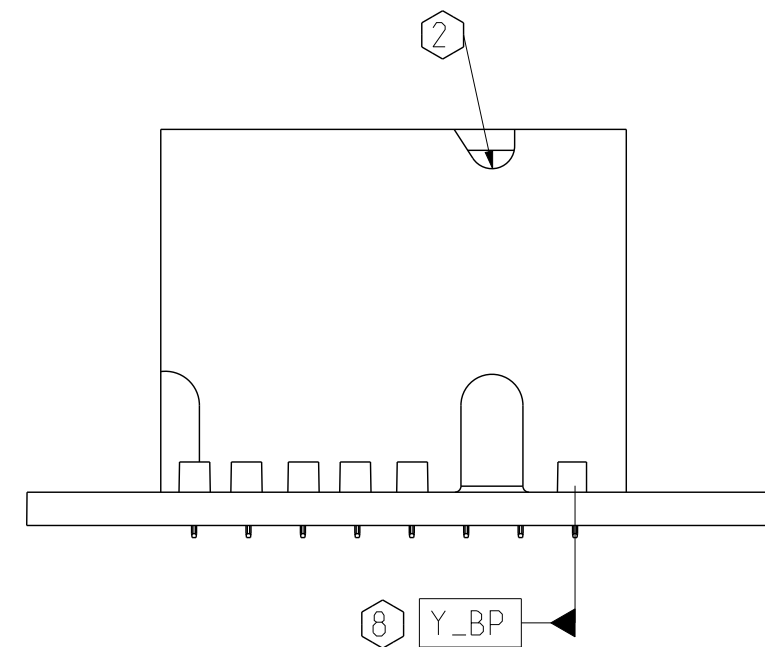
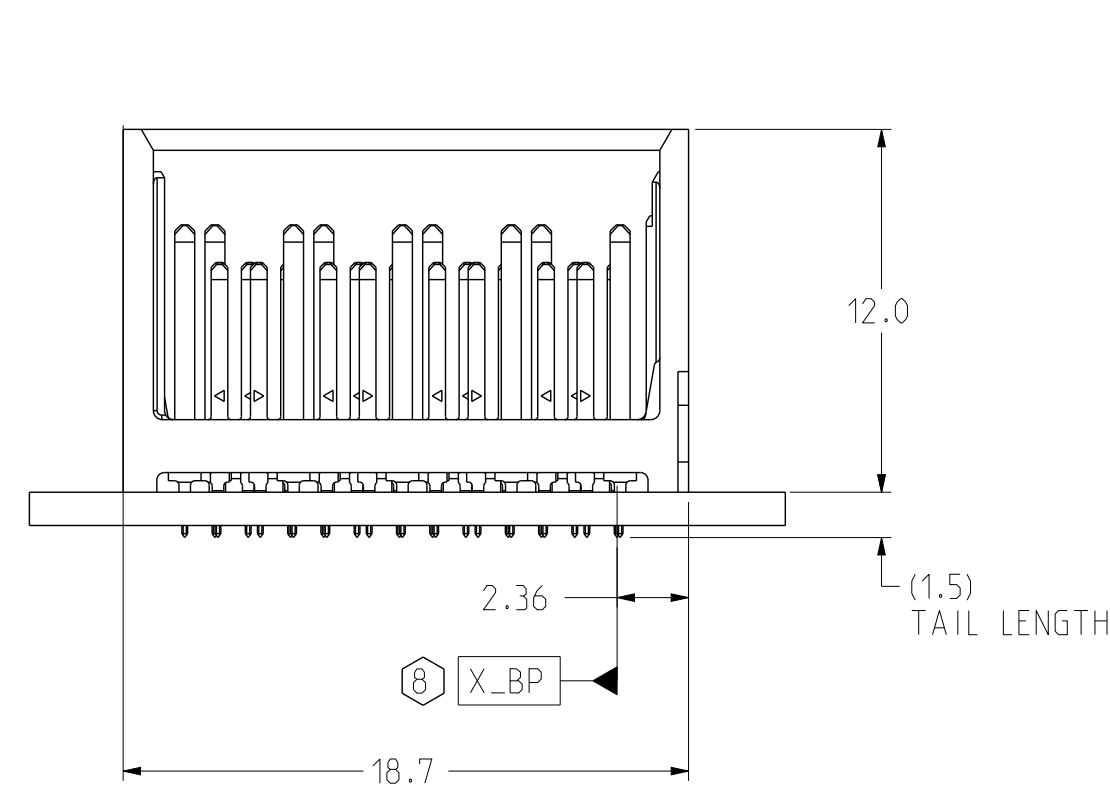
**LEFT WALL BACKPLANE MODULE DIMENSION**



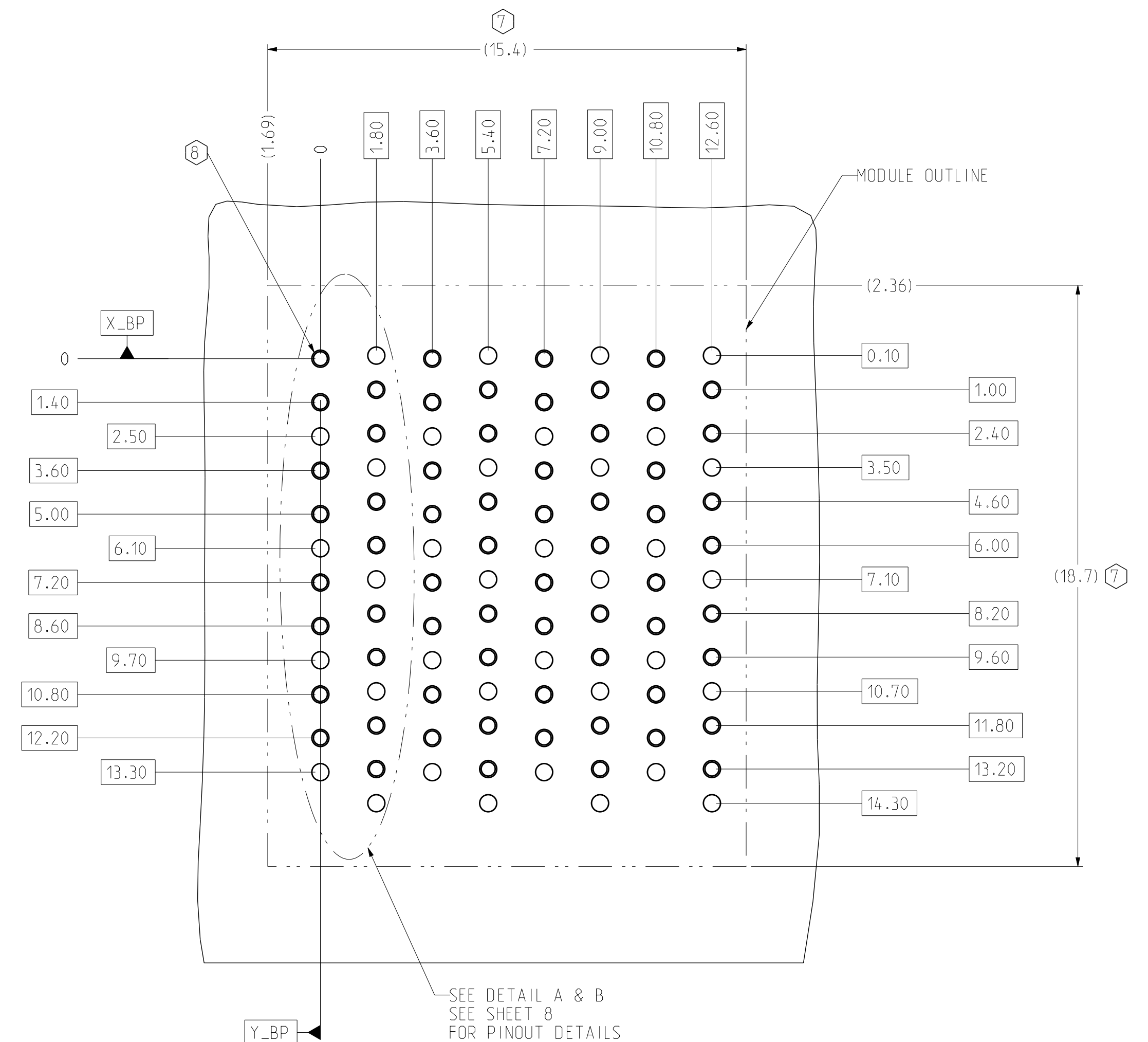
**CONNECTOR REFERENCE**  
SCALE 4/1



**SECTION Z-Z**



**ISOMETRIC VIEW**  
SCALE 3/1



**BP HOLE PATTERN**  
COMPONENT SIDE  
SCALE 8/1

**LEFT WALL BACKPLANE FOOTPRINT**

TOLERANCES	DESIGN	02/19/2010	T.D.O
0.0	±0.25	DRAWN	02/19/2010
0.00	±0.13	CHK	02/19/2010
0.000	± -	APVD	02/19/2010
ANGLES	± 3°		

**Amphenol TCS**  
A Division of Amphenol Corporation  
200 Innovative Way, Nashua, NH 03082 603.879.3000

TITLE  
BACKPLANE MODULES, VERTICAL MALE HEADER  
XCede HD, 4 PAIR 8 POSITION

PART NO. SEE PN TREE SHEET 1  
REV N/A

DRAWING NO. C-923-400E-500  
REV M

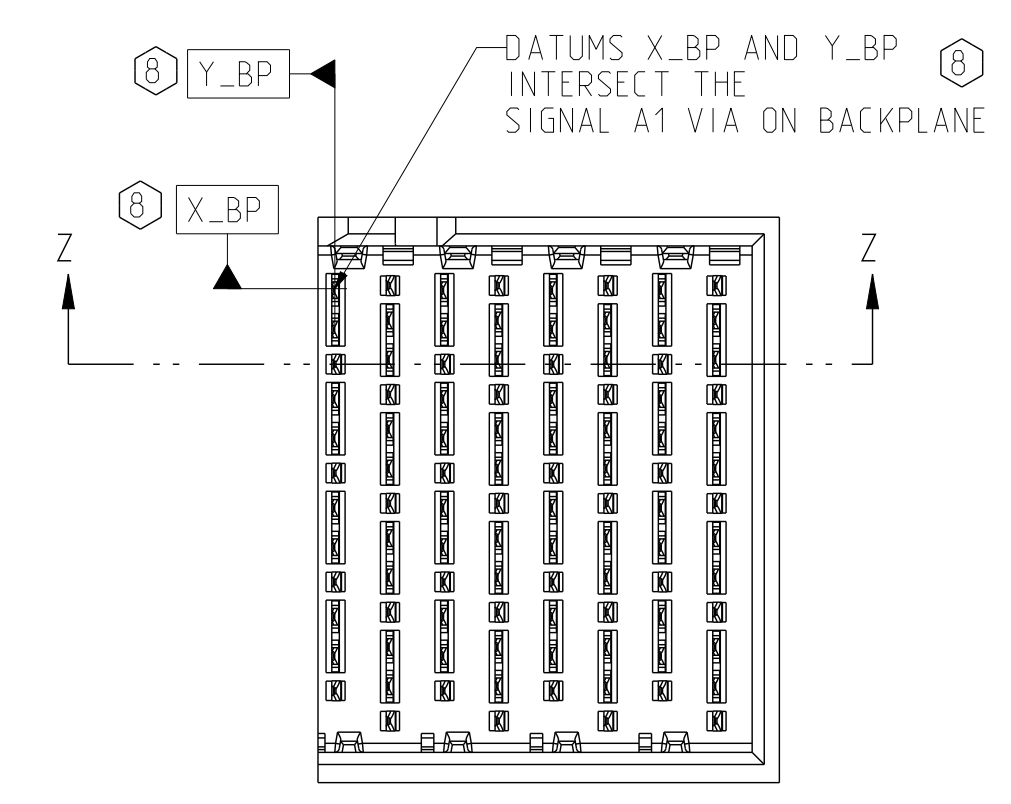
ASSEM C923-400E-500 1.3  
DRAWING C923-400E-500 A.16

CUSTOMER USE  
DRAWING

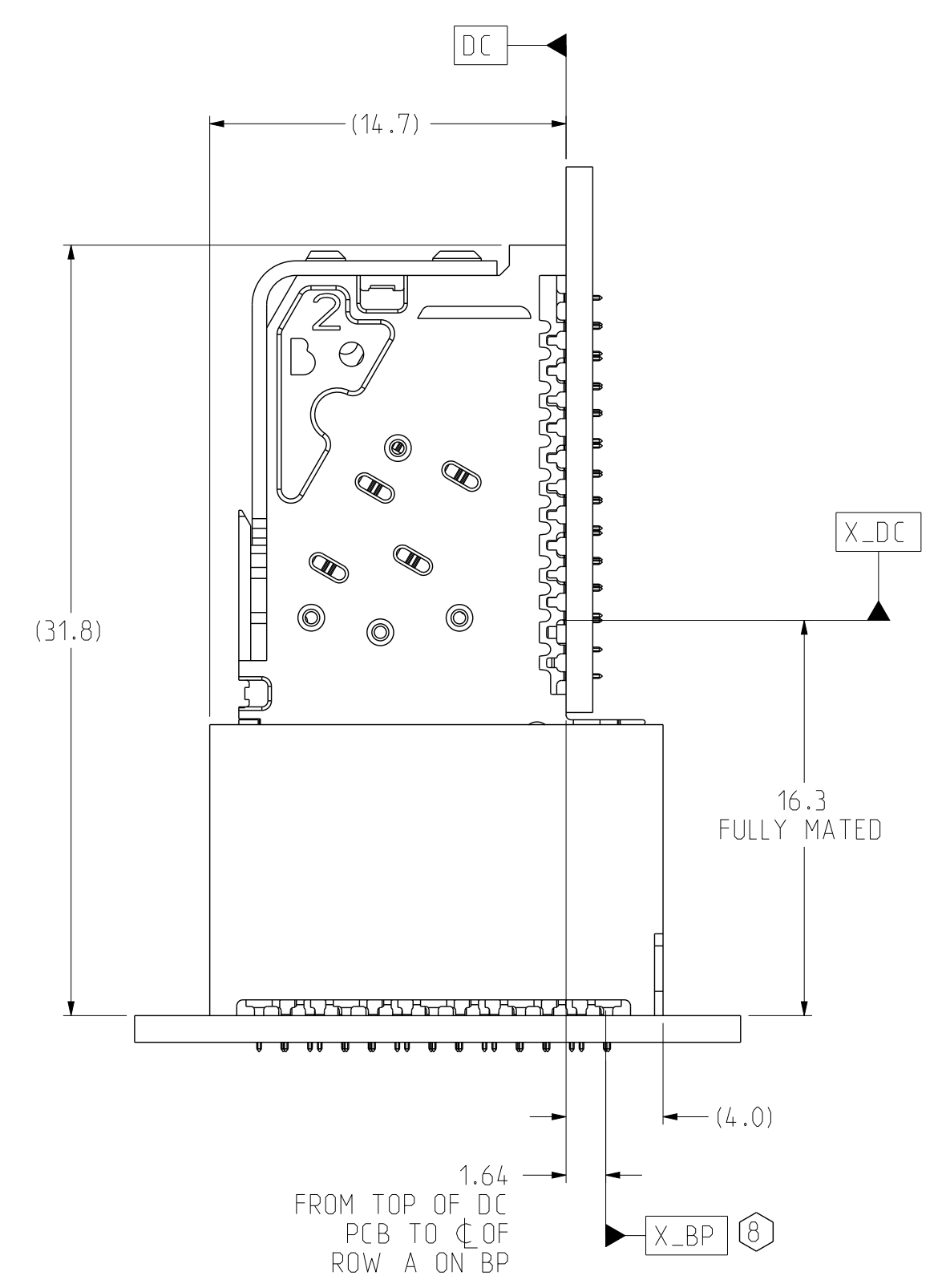
INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

SIZE D SCALE 1/1 SHEET 5 OF 8

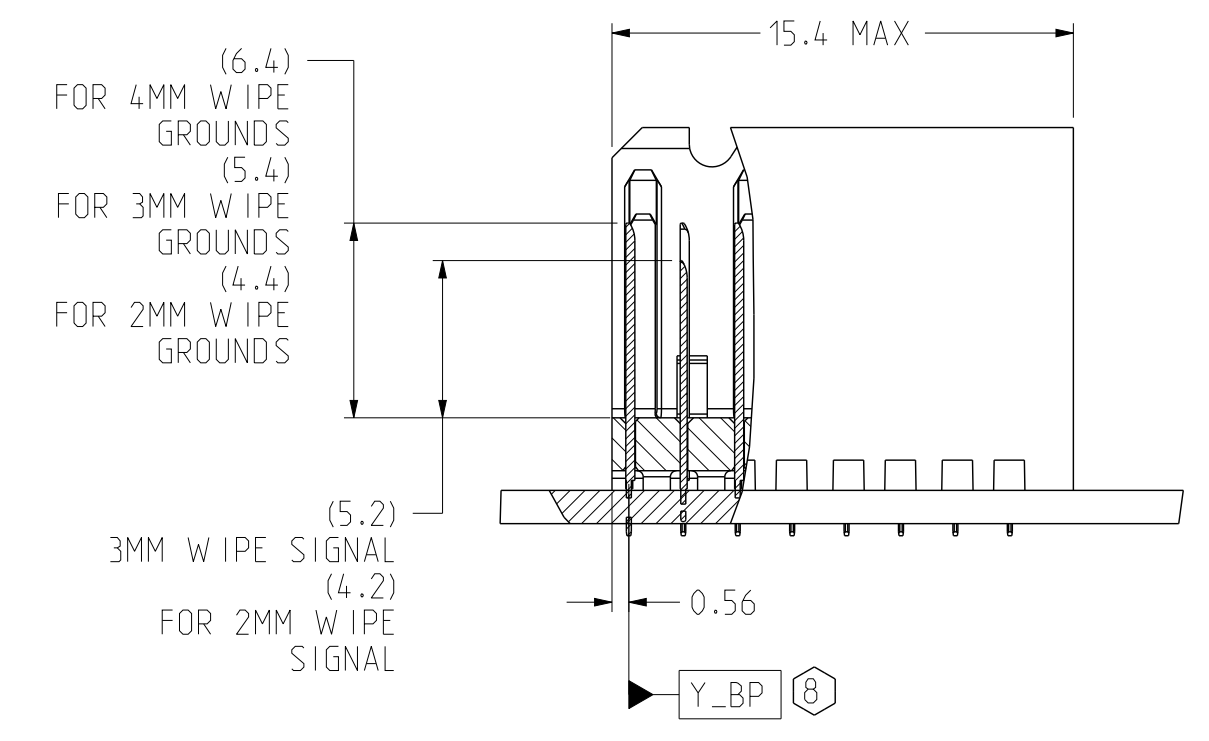
ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



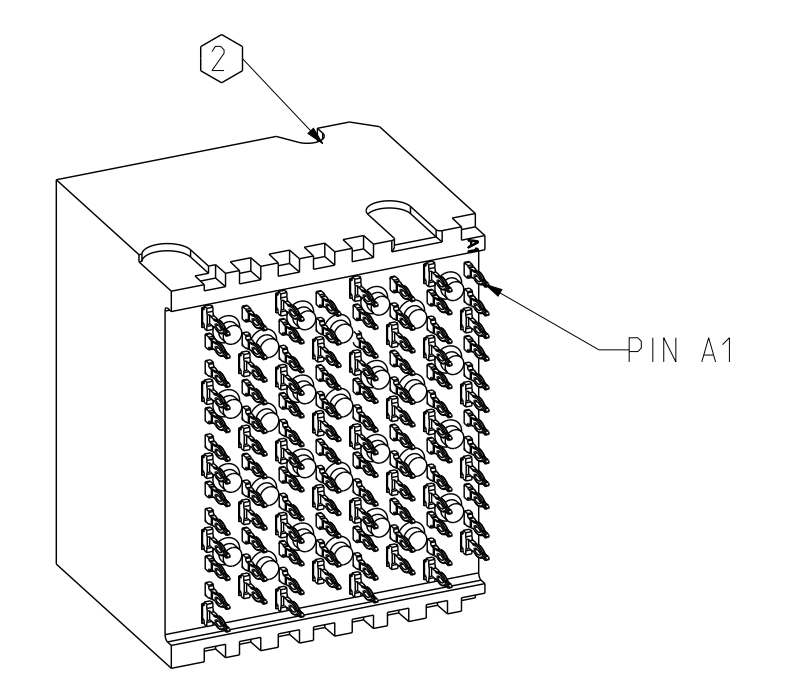
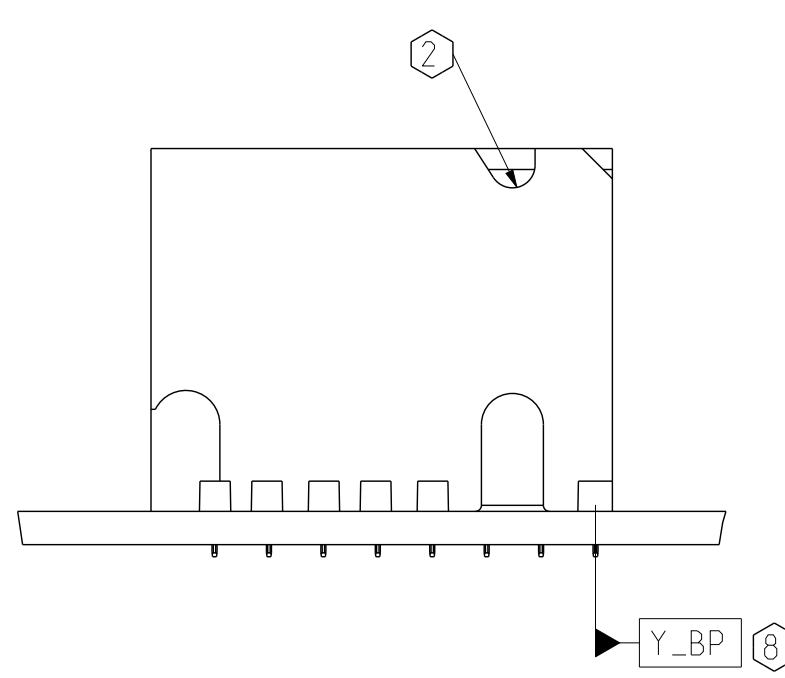
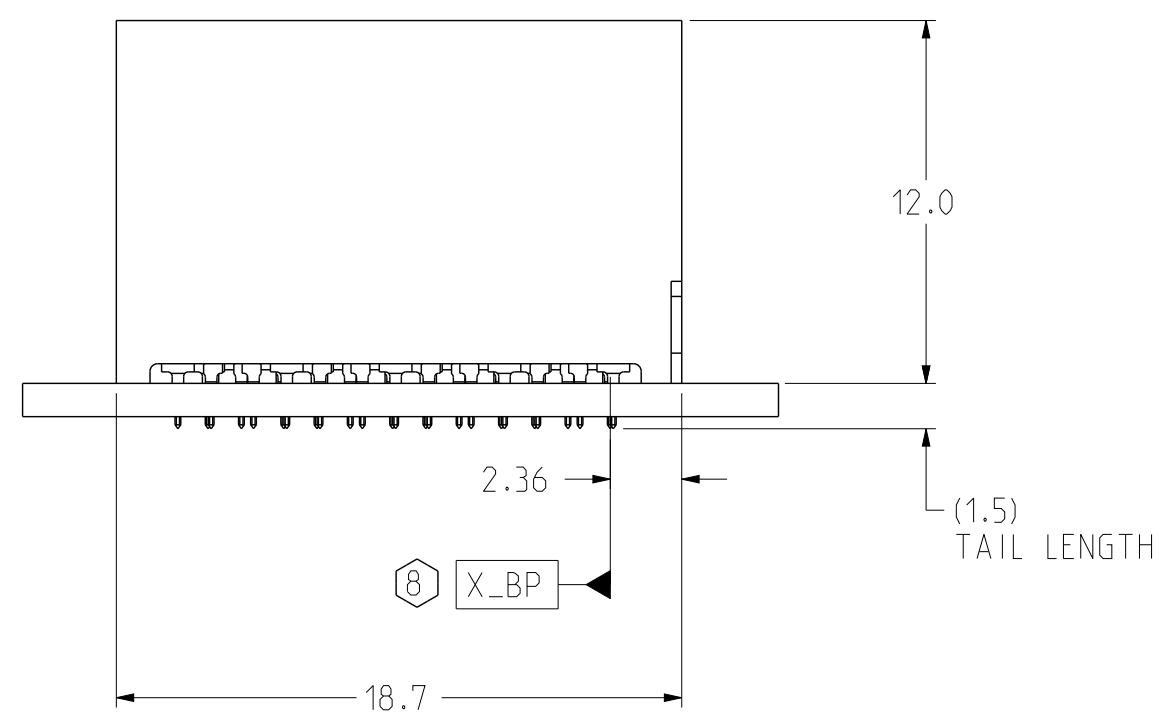
RIGHT WALL BACKPLANE MODULE DIMENSION



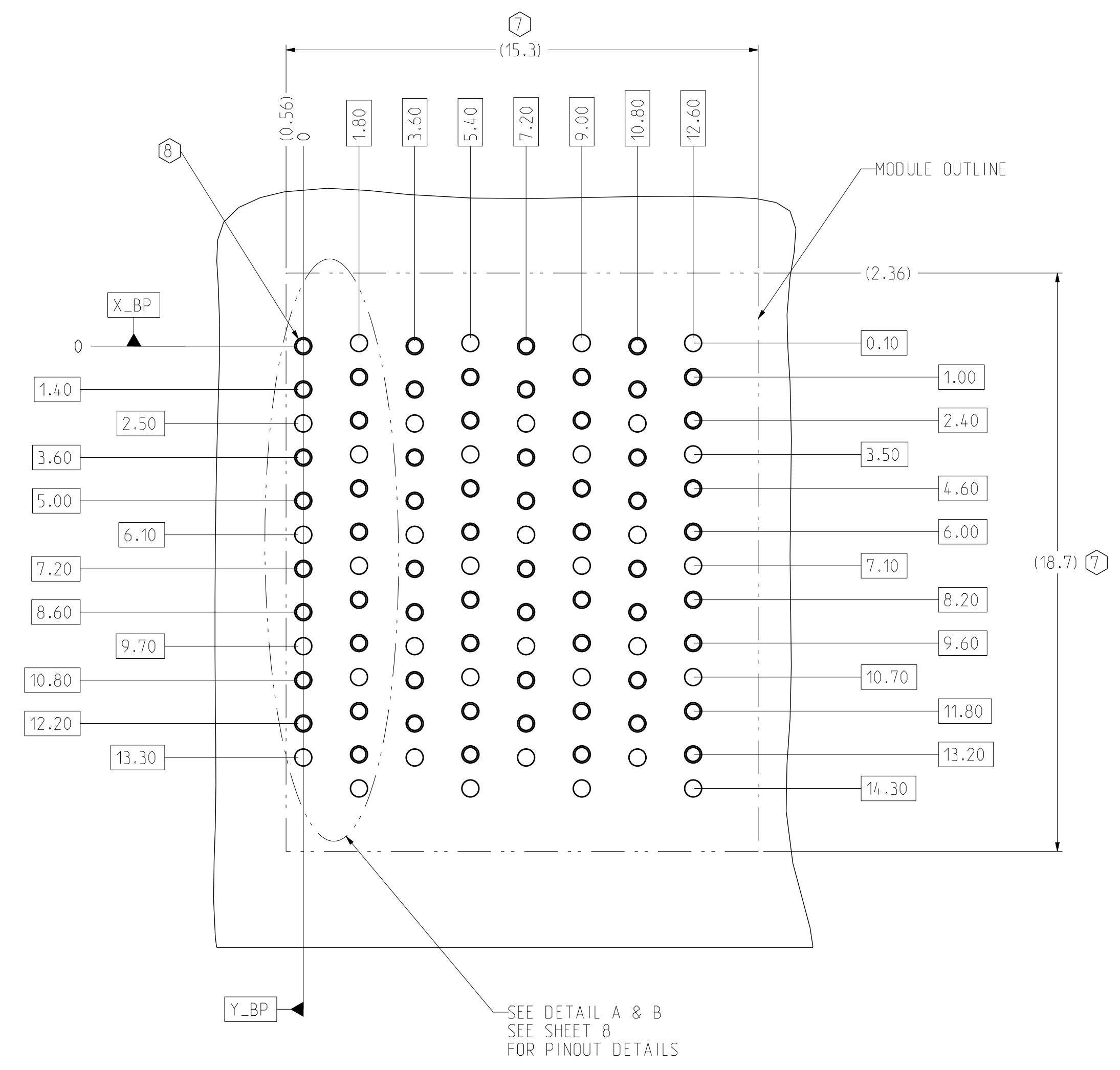
CONNECTOR REFERENCE SCALE 4/1



SECTION Z-Z



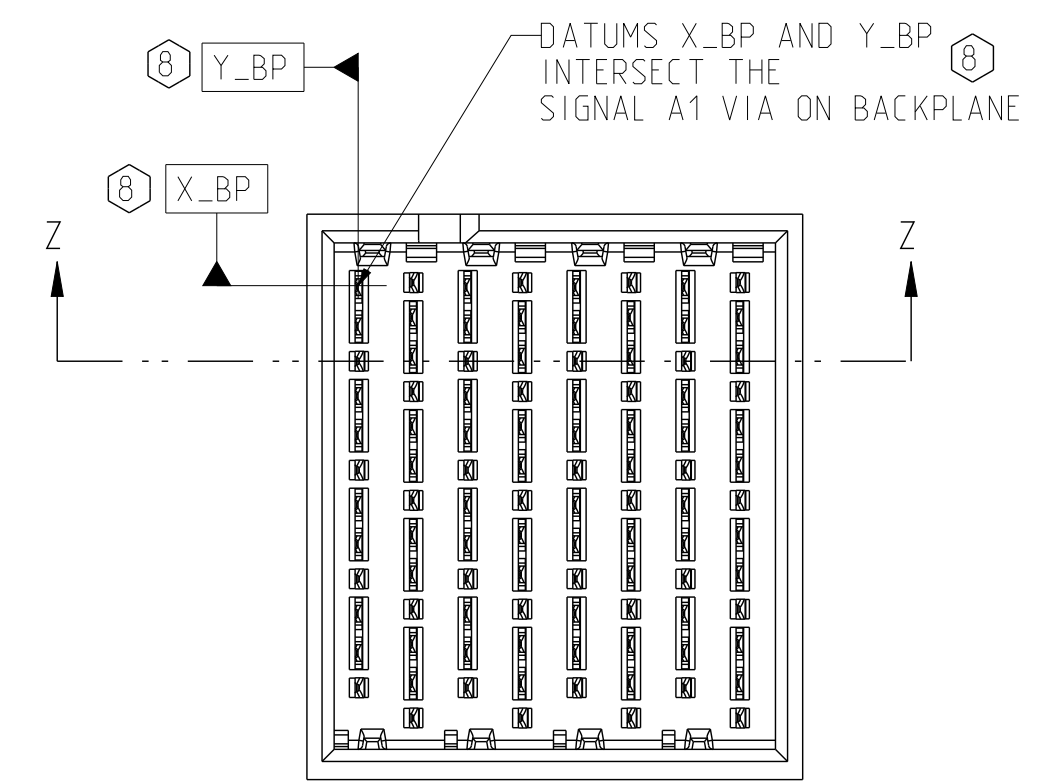
ISOMETRIC VIEW SCALE 3/1



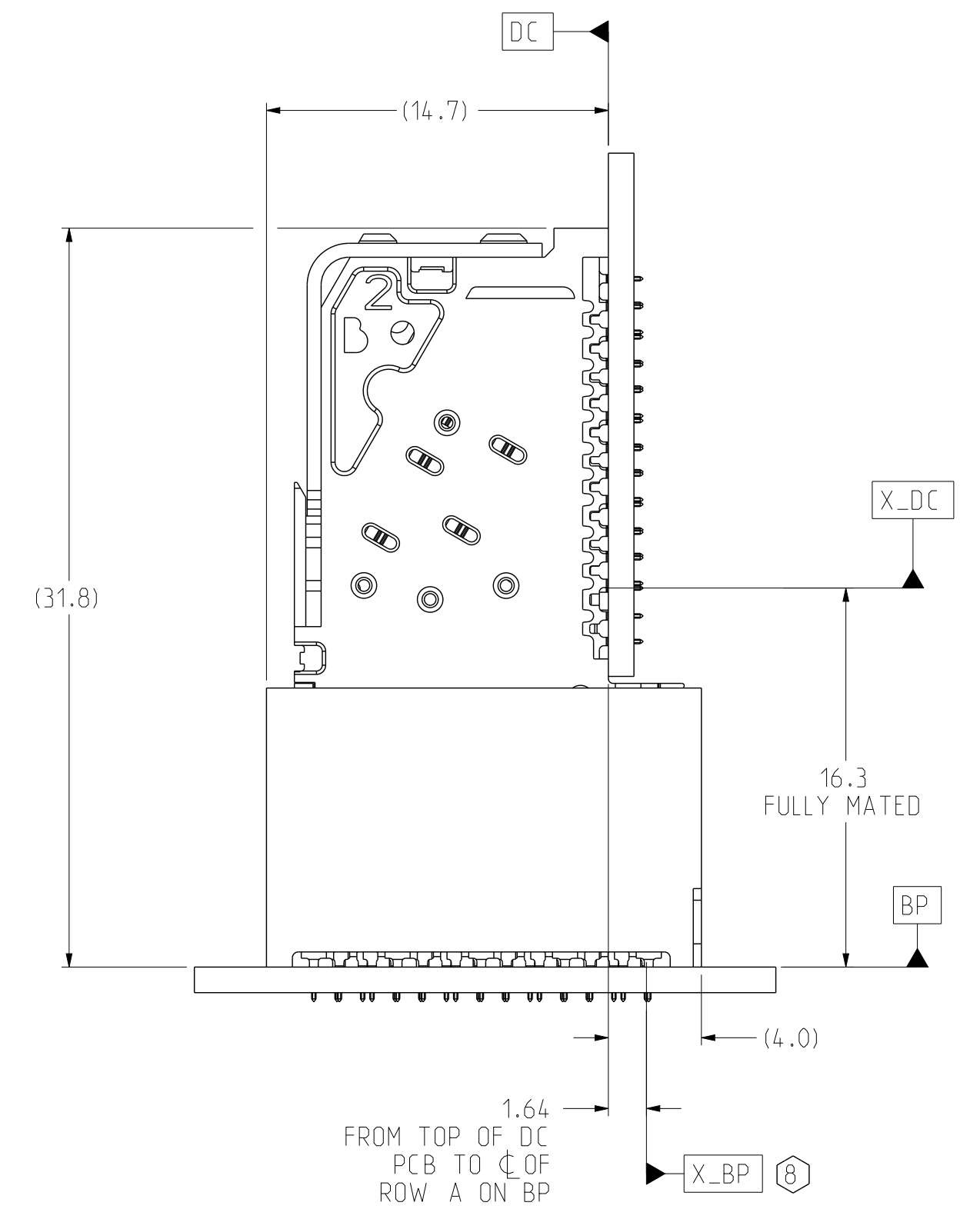
RIGHT WALL BACKPLANE FOOTPRINT

TOLERANCES		DESIGN 02/19/2010	Amphenol TCS	
0.0	$\pm 0.25$	T.D.O	A Division of Amphenol Corporation	
0.00	$\pm 0.13$	DRAWN 02/19/2010	200 Innovative Way, Nashua, NH 03062 603.879.3000	
0.000	$\pm -$	CHK 02/19/2010	TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCode HD, 4 PAIR 8 POSITION	
ANGLES	$\pm 3^\circ$	APVD 02/19/2010	PART NO.	REV N/A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MARKER IS A PERIOD			SEE PN TREE SHEET 1	REV M
CUSTOMER USE DRAWING			DRAWING NO. C-923-400E-500	ASSEM C923-400E-500 1.3
CODE IDENT 31413			SCALE 1/1	DRAWING C923-400E-500 A.16
			SHEET 6 OF 8	

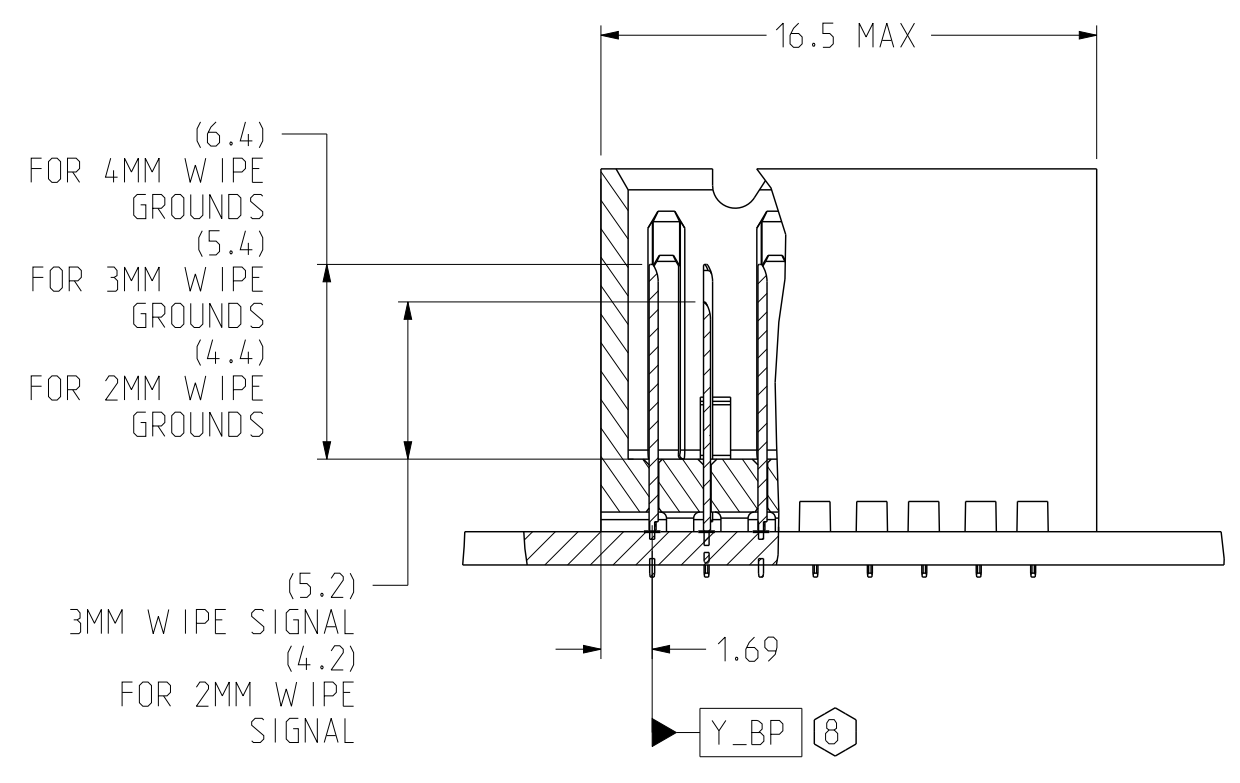
ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



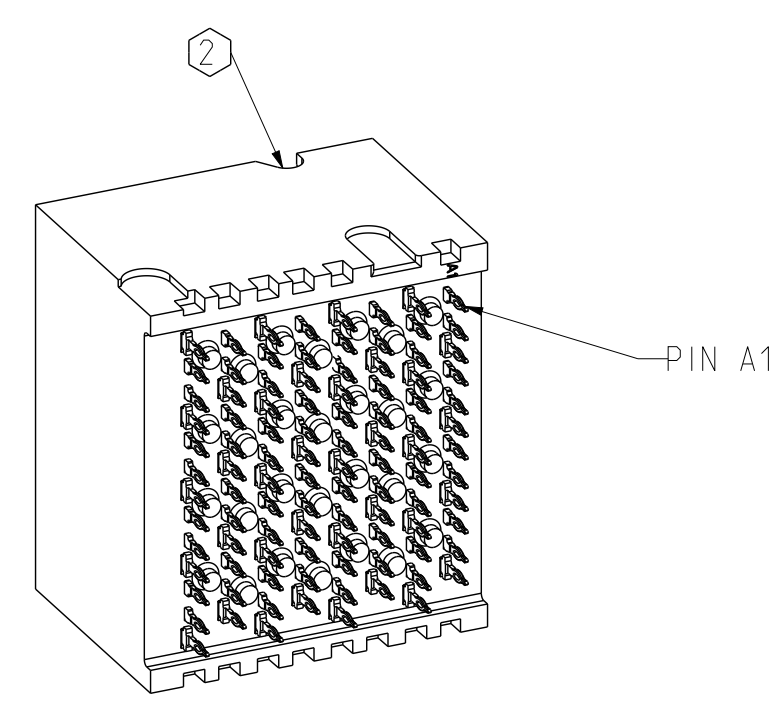
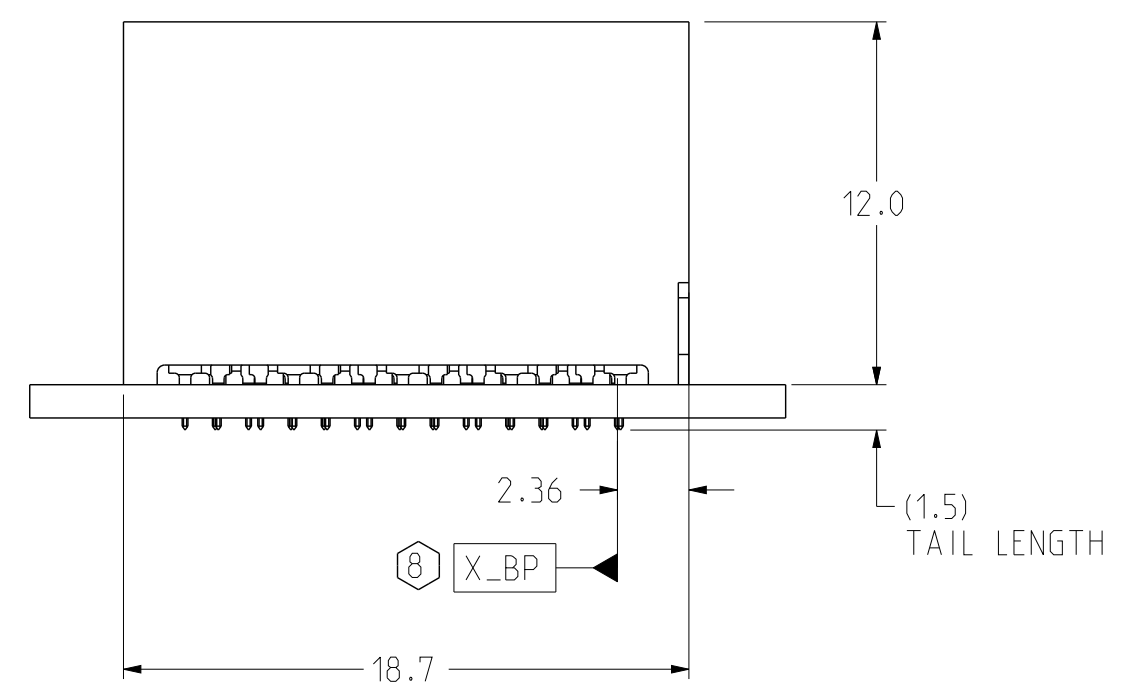
**TWO WALL BACKPLANE MODULE DIMENSION**



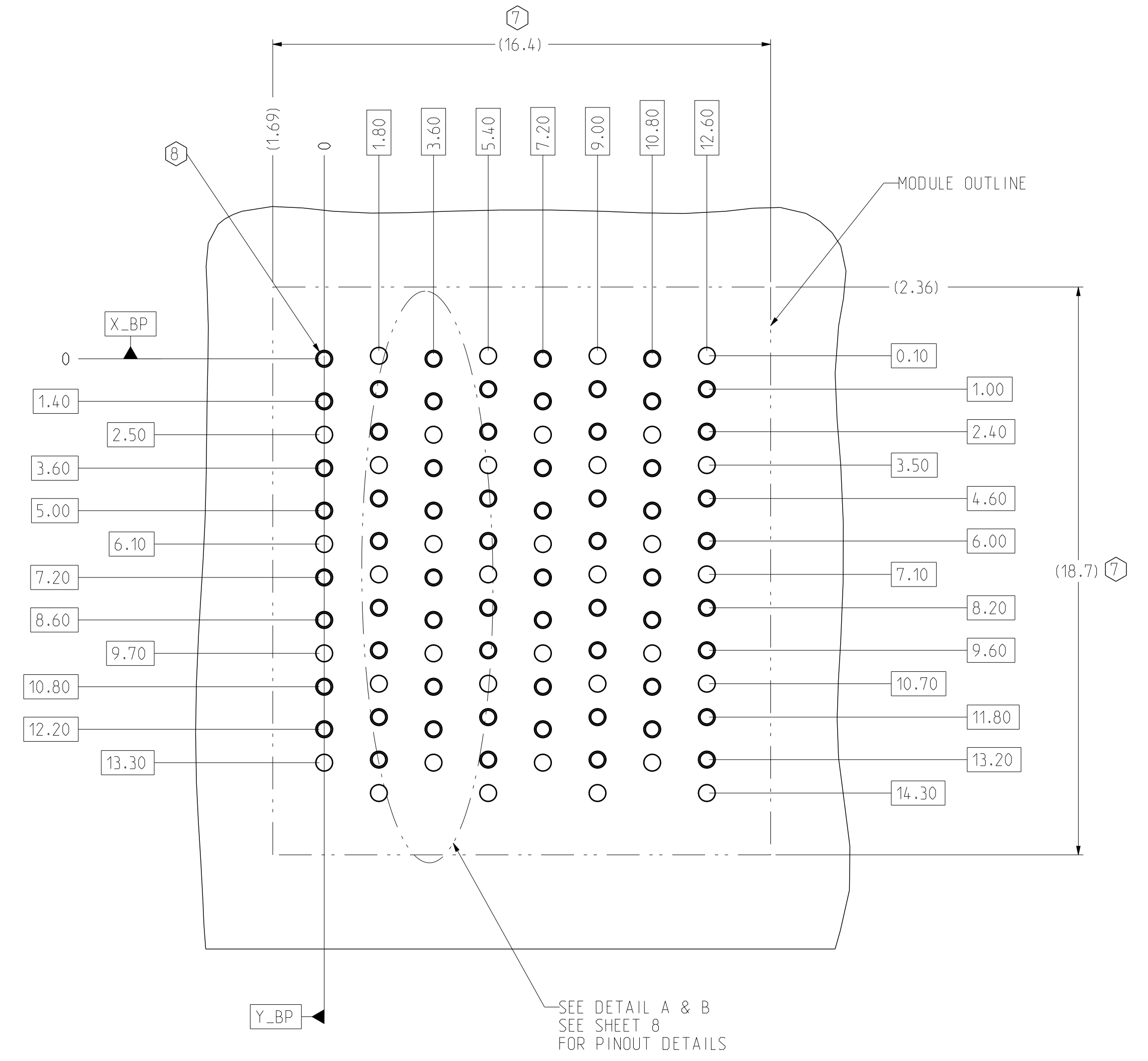
**CONNECTOR REFERENCE**  
SCALE 4/1



**SECTION Z-Z**



**ISOMETRIC VIEW**  
SCALE 3/1



**BP HOLE PATTERN**  
**COMPONENT SIDE**  
SCALE 8/1

**TWO WALL BACKPLANE FOOTPRINT**

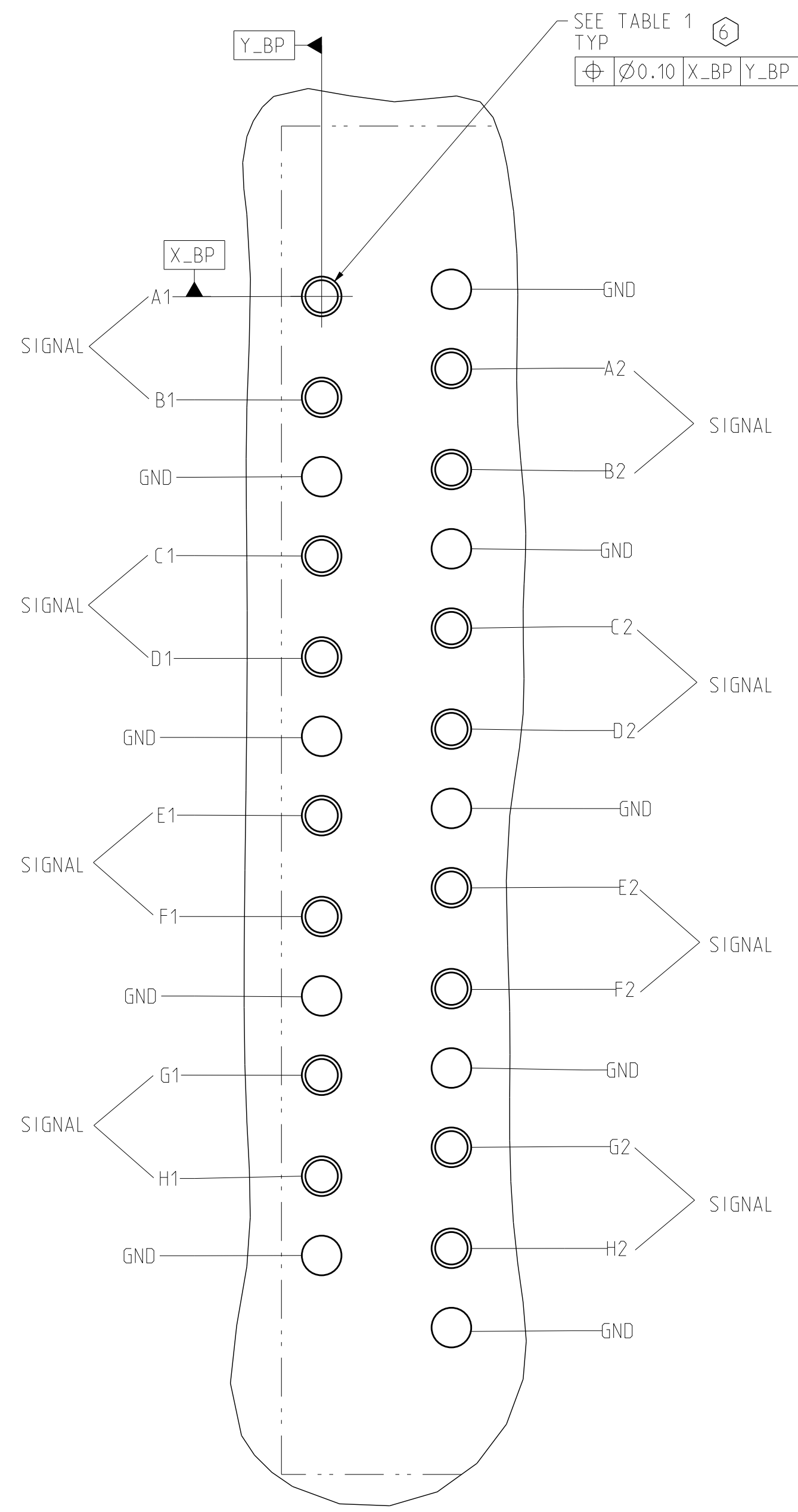
TOLERANCES		DESIGN 02/19/2010	Amphenol TCS	
0.0	±0.25	T.DO	A Division of Amphenol Corporation	
0.00	±0.13	HCL-RK	200 Innovative Way, Nashua, NH 03062 603.879.3000	
0.000	± -	T.DO	TITLE BACKPLANE MODULES, VERTICAL MALE HEADER	
ANGLES	± 3°	APVD 02/19/2010	XCede HD, 4 PAIR 8 POSITION	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD		T.DO	PART NO.	REV
			SEE PN TREE SHEET 1	N/A
			DRAWING NO.	REV
			C-923-400E-500	M
			ASSEM C923-400E-500	1.3
			DRAWING C923-400E-500	A.16
SIZE D	SCALE 1/1	SHEET 7 OF 8		

INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

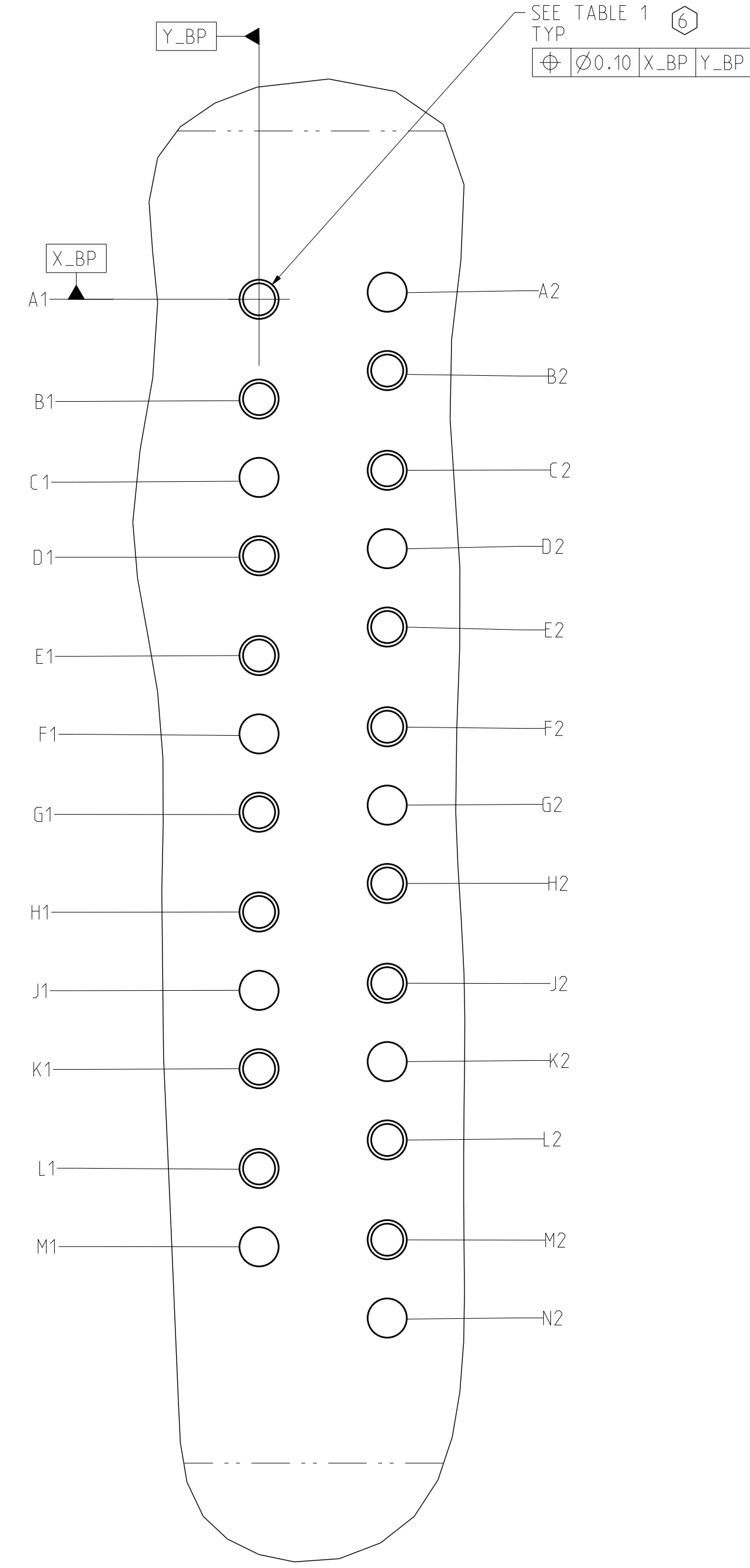
**CUSTOMER USE**  
**DRAWING**



ZONE	REV	ECN NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



**DETAIL A**  
**HSD PINOUTS**  
 SCALE 16/1



**DETAIL B**  
**LC PINOUTS**  
 SCALE 16/1

**TABLE 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 02/19/2010 T.D.O	<b>Amphenol TCS</b> A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000 TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede HD, 4 PAIR 8 POSITION PART NO. SEE PN TREE SHEET 1 DRAWING NO. C-923-400E-500 ASSEM C923-400E-500 1.3 DRAWING C923-400E-500 A.16 SIZE D SCALE 1/1 SHEET 8 OF 8
0.0 ±0.25	DRAWN 02/19/2010 HCL-RK	
0.00 ±0.13	CHK 02/19/2010 T.D.O	
0.000 ± -	APVD 02/19/2010 T.D.O	
ANGLES ± 3°	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD.	REV N/A
		REV M

