

8

7

6

5

4

3

2

1

DRW NO.
C-951-400C-500

SH
1

REV
D

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
ALL	A	ASSY-7QUL9B.VER01	NEW RELEASE	HCL-GM	04/16/2009	A.ASTBURY
	B	ASSY-868QBB.VER01	ADDED XTALIC PN'S	HCL-GM	06/10/2010	D.SMITH
SHT1 C7 SHT1 D4.B6 SHT1 C4	C	DCOY-9X5MQR.VER01	REMOVED N AND Z LETTER FROM POL GUIDE TABLE. UPDATED PIN STYLE TABLE. ADDED NOTE 11. ADDED 1.5mm SIGNAL WIPE.	HCL-RM	06/10/2015	D.COVEY
	D	DCOY-A84GPZ.VER01	UPDATED PART MARKING REQUIREMENTS IN NOTES	HCL-SD	04/05/2016	D.COVEY

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

XCede BACKPLANE MODULE MALE STANDARD LOAD

4 PAIR

6-POSITION

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

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

NUMBER/LETTER	SIGNAL & LG. GROUND WIPE LENGTH, COMPLIANT PIN SIZE
1	2 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø.0217" DRILL
2	3 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø.0217" DRILL
3	2 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø.0177" DRILL
4	3 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø.0177" DRILL
5	2 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø.0217" DRILL
6	3 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø.0217" DRILL
7	2 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø.0177" DRILL
8	3 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø.0177" DRILL
C	1.5 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø.0217" DRILL
D	1.5 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø.0217" DRILL
E	1.5 mm WIPE SIGNAL, 4 mm WIPE LG GND, Ø.0177" DRILL
F	1.5 mm WIPE SIGNAL, 3 mm WIPE LG GND, Ø.0177" DRILL

LETTER	DESCRIPTION
B	Ni SULFAMATE, STANDARD GOLD, LEADE
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

NOTES:

1. REFER TO TB-2150 FOR XCede PRODUCT SPECIFICATIONS.

2. NOTCH DESIGNATES "ROW A" SIDE OF SHROUD. NOTCH FEATURE ON OPPOSITE SIDE FROM PART MARKING.

3. SEE TB-2325 FOR PART MARKING REQUIREMENTS.

4. PLATING THICKNESS OF SIGNAL CONTACT AND GROUND CONTACT IS DETERMINED BY PLATING CODE, SEE PART NUMBER TREE SHEET 1.

5. REPAIR PROCEDURE FOR MODULE, SEE TB-2210.

6. 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 C-942-4010-000 FOR OPTIONAL HOLE DETAILS.

ONLY APPLIES FOR MACHINED GUIDE PIN APPLICATIONS.

10. DIMENSIONS APPLY FOR BOTH COMPLIANT PIN SIZES.

11. GUIDE PIN OPTIONS "1" AND "5" ORIGINALLY CALLED FOR ROLLED GUIDE PINS, WHICH HAVE BEEN REPLACED BY MACHINED ONES. ONLY LEGACY 951 SERIES MODULES WILL USE THESE OPTIONS.

SCALE 2/1

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

CUSTOMER USE
DRAWING

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

TOLERANCES	DESIGN 10/04/2006 LEIGHTON
0.0	±0.25
0.00	±0.13
0.000	± -
ANGLES	± -

DRAWN 04/16/2009 HCL-GM	CHK 10/05/2006 A.PFAHNL	APVD 10/06/2006 A.ASTBURY
A.ASTBURY		

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

DRAWING NO.	REV
C-951-400C-500	D

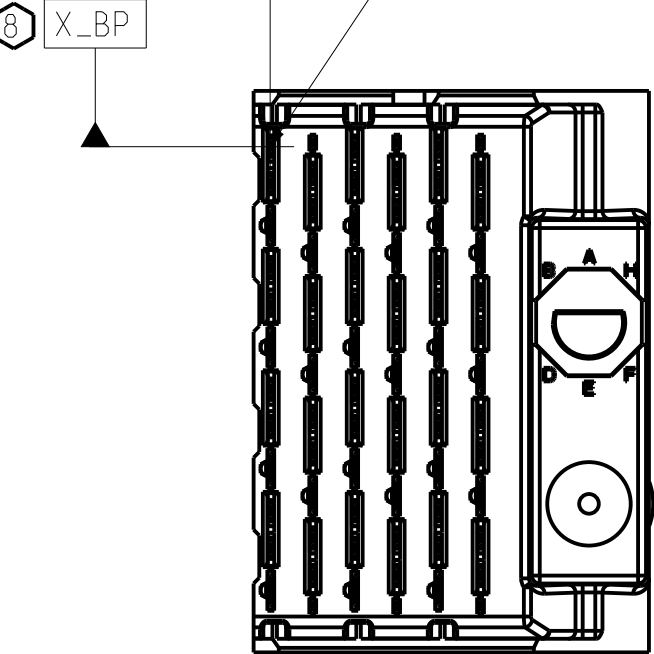
ASSEM C951-4--BP4	14.7
DRAWING C951-400C-500	C.5

SIZE D	SCALE 4/1	SHEET 1 OF 8

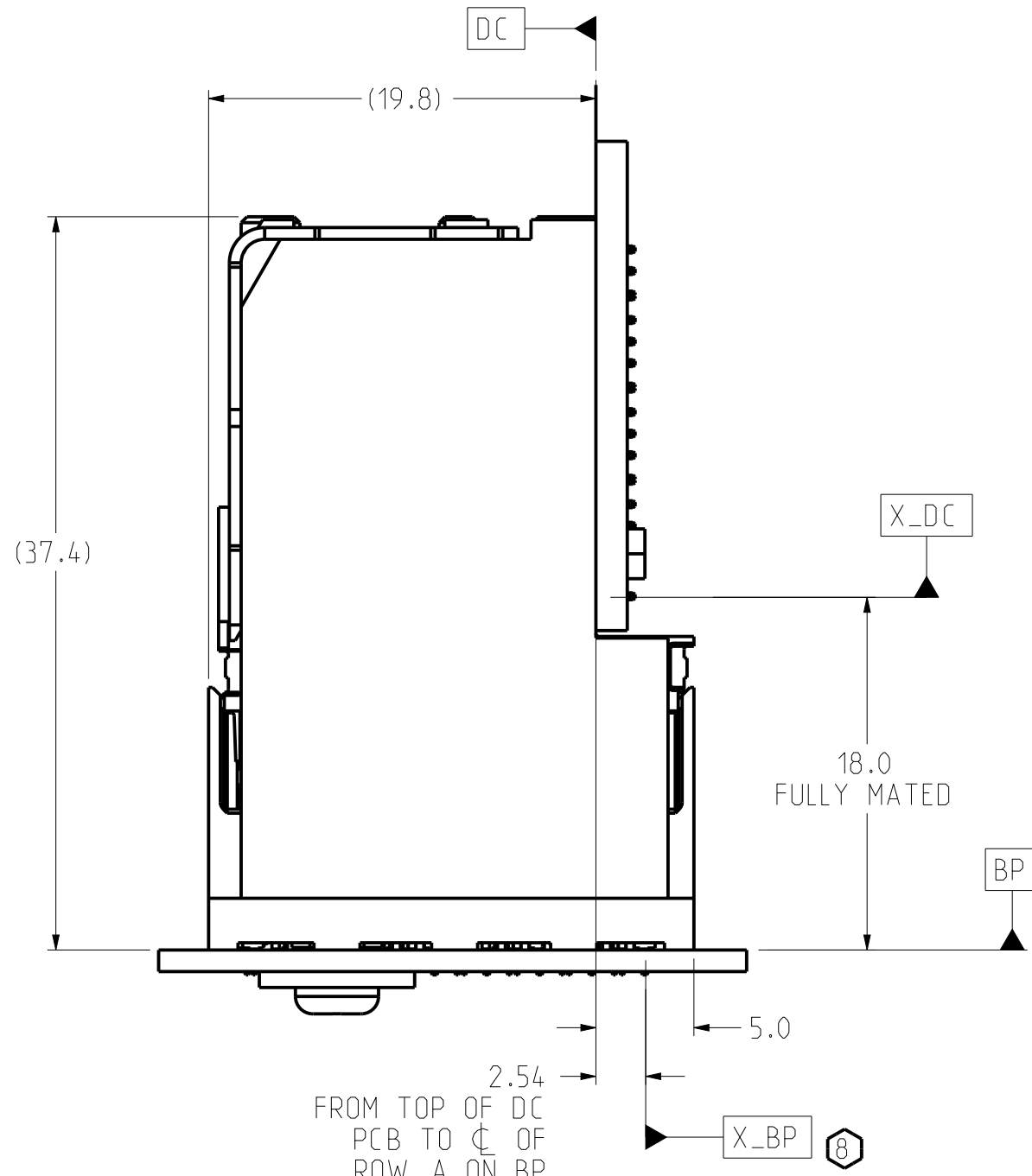
ZONE		REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
				SEE SHEET 1			

DRW NO.	SH	REV
C-951-400C-500	4	D

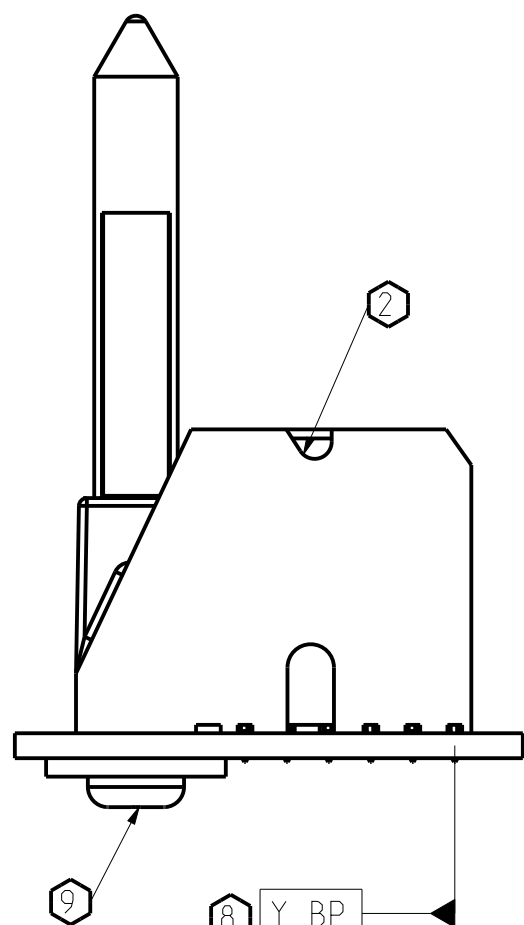
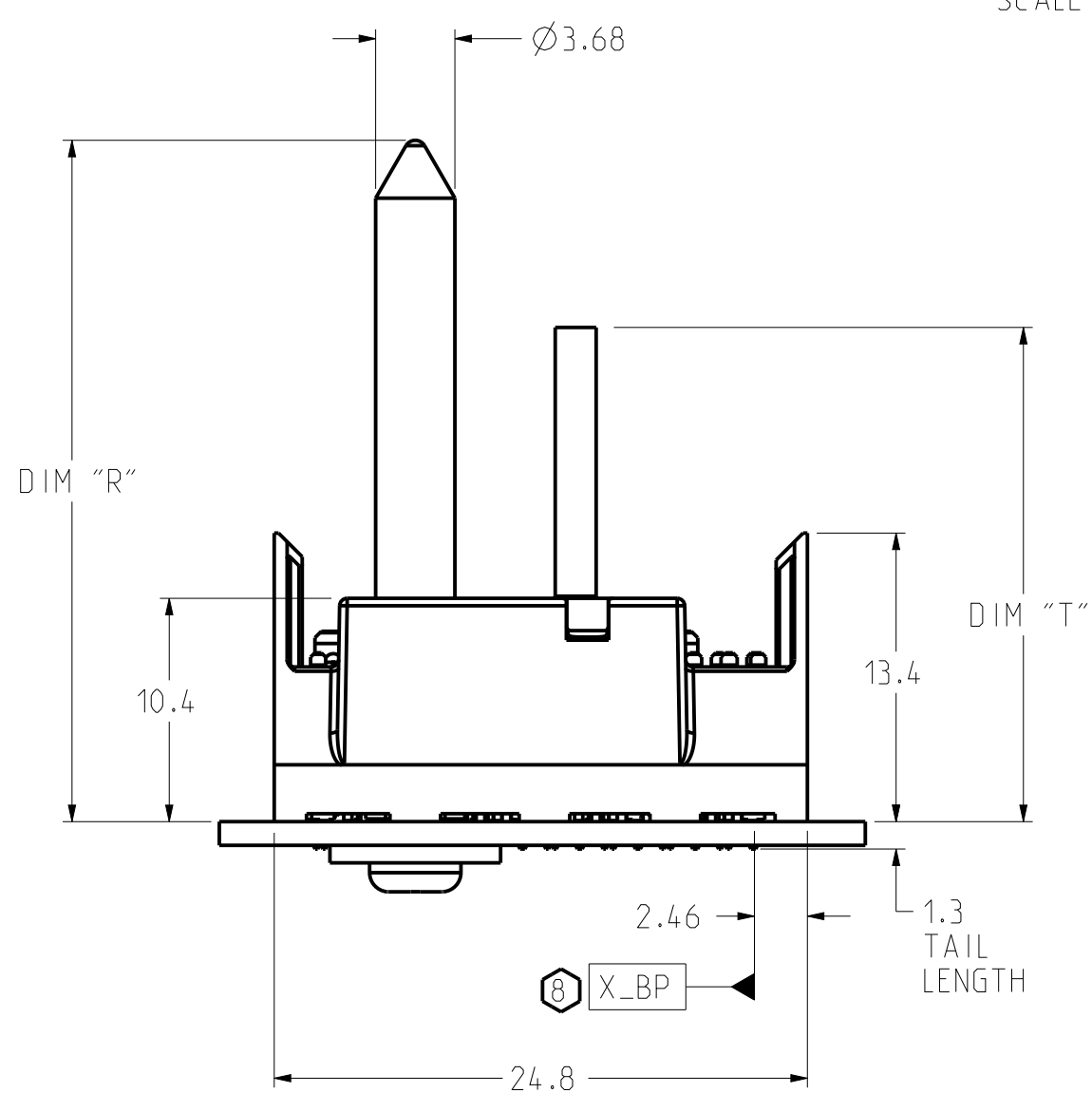
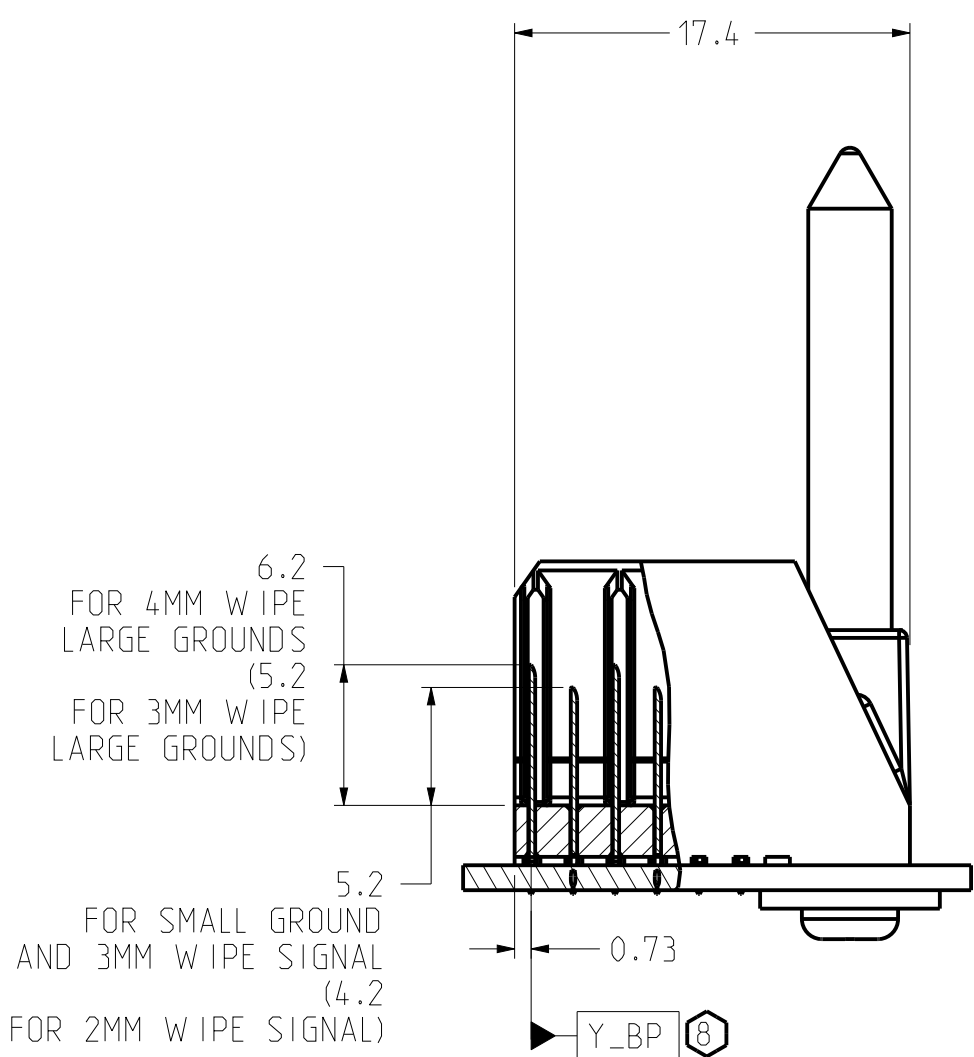
DATUMS X_BP AND Y_BP
INTERSECT THE
SIGNAL A1 VIA ON BACKPLANE



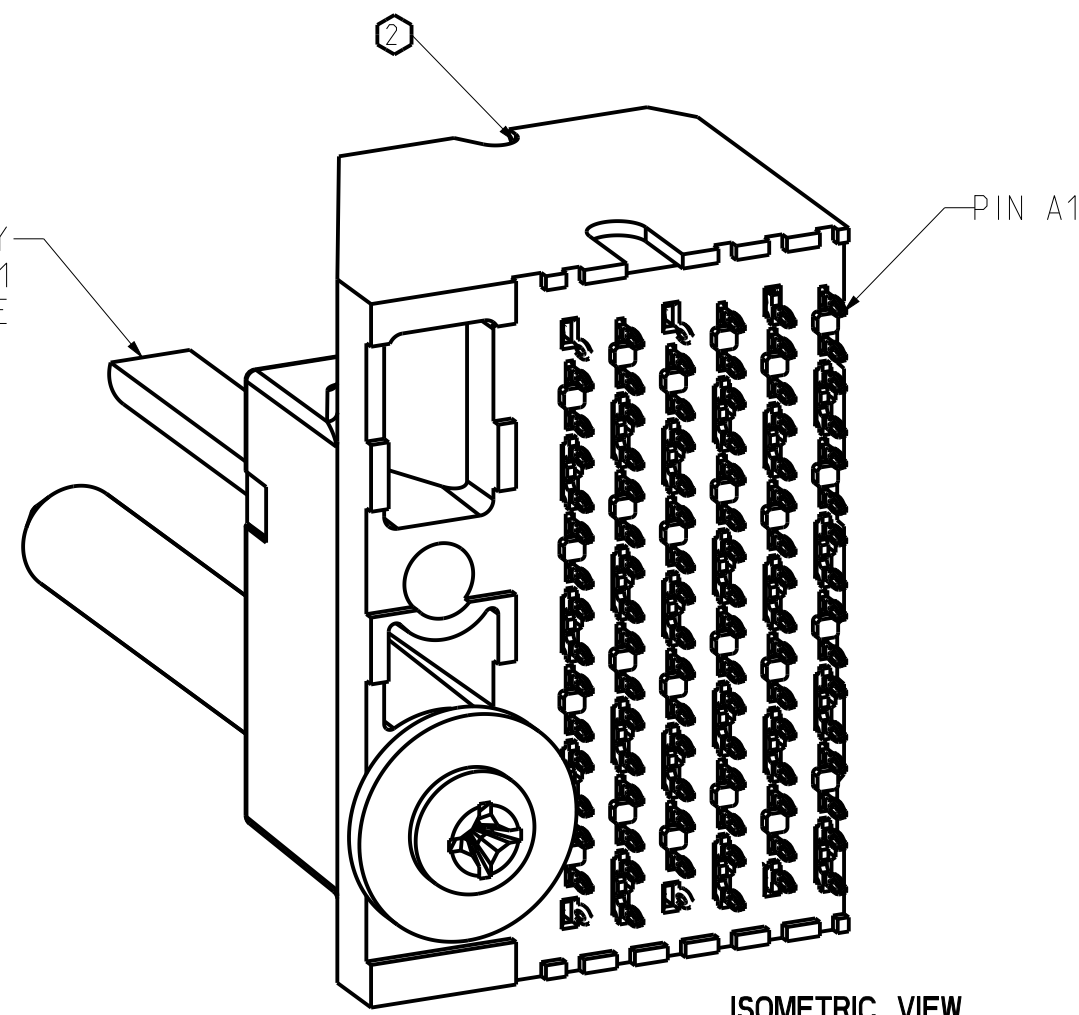
RIGHT POLARIZING/GUIDE
BACKPLANE MODULE DIMENSION



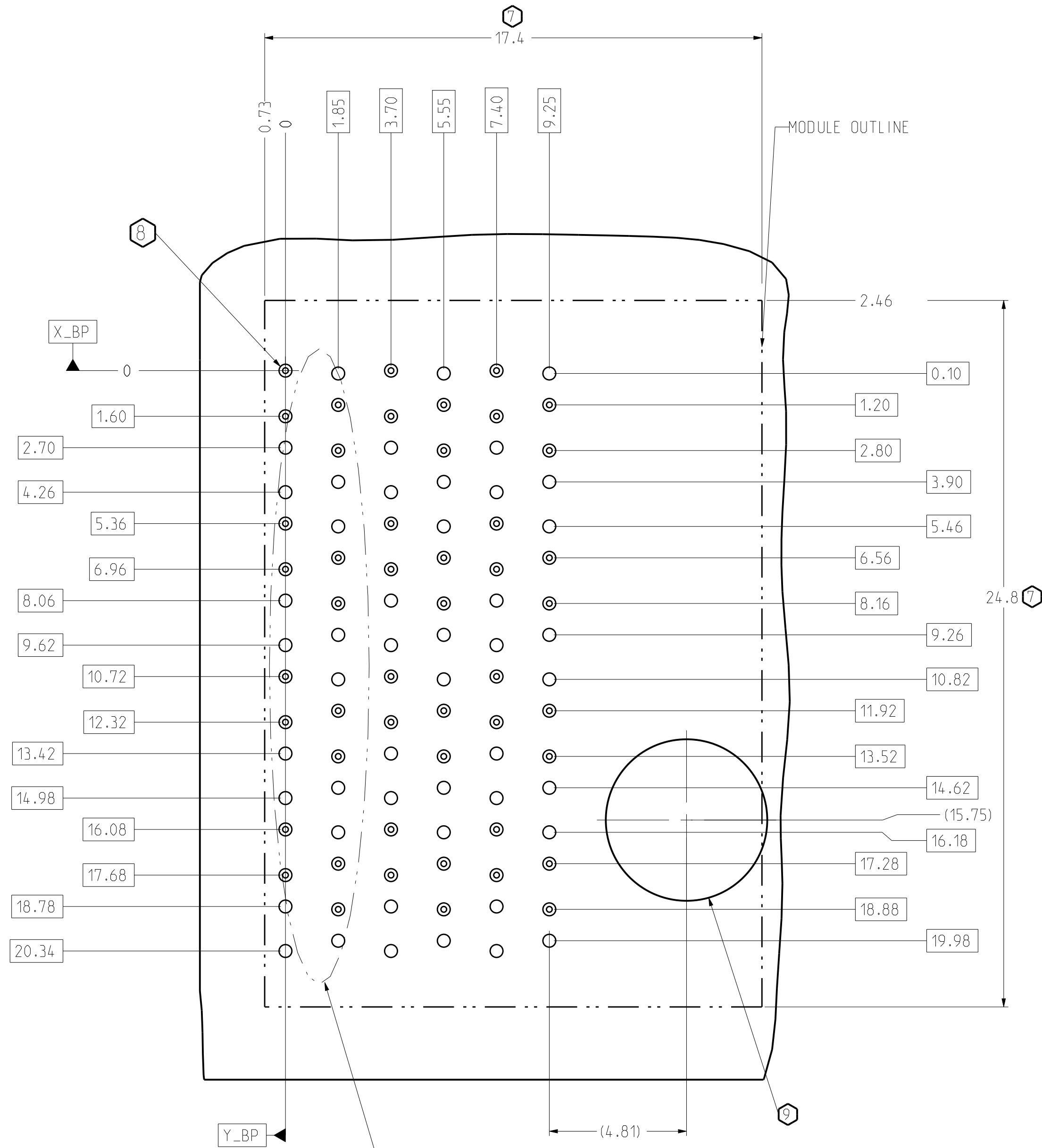
CONNECTOR REFERENCE
SCALE 3/1



OPTIONAL KEY
SEE SHEET 1
PART NUMBER TREE



ISOMETRIC VIEW
SCALE 4/1



BP HOLE PATTERN
COMPONENT SIDE
SCALE 8/1

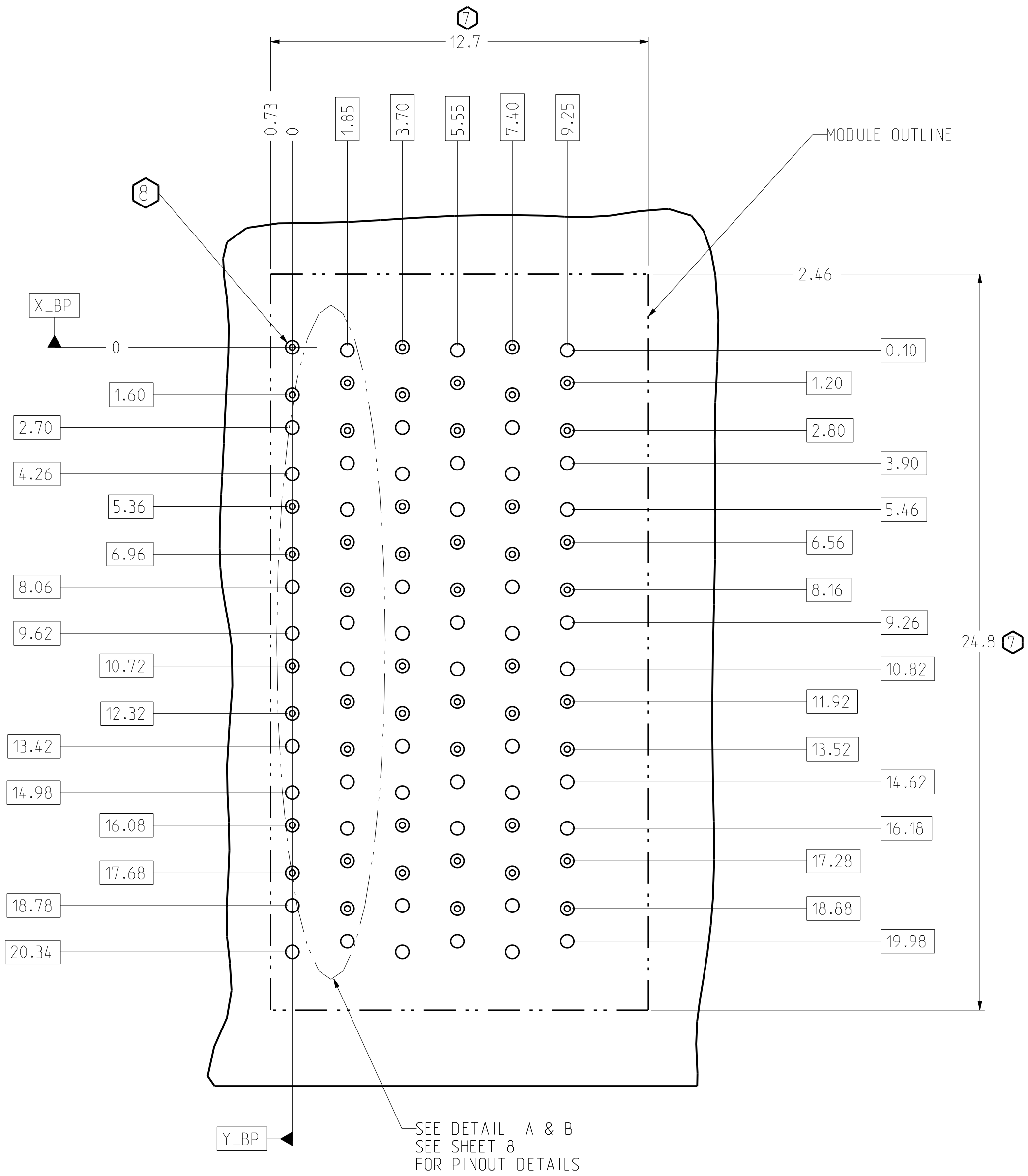
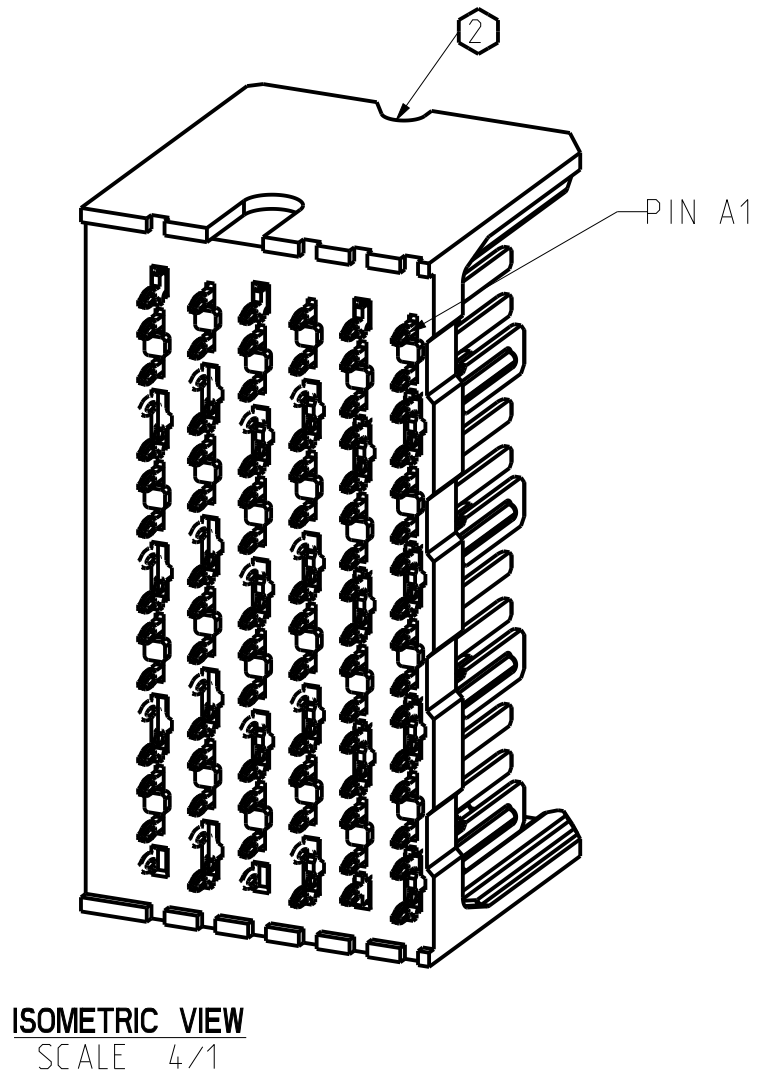
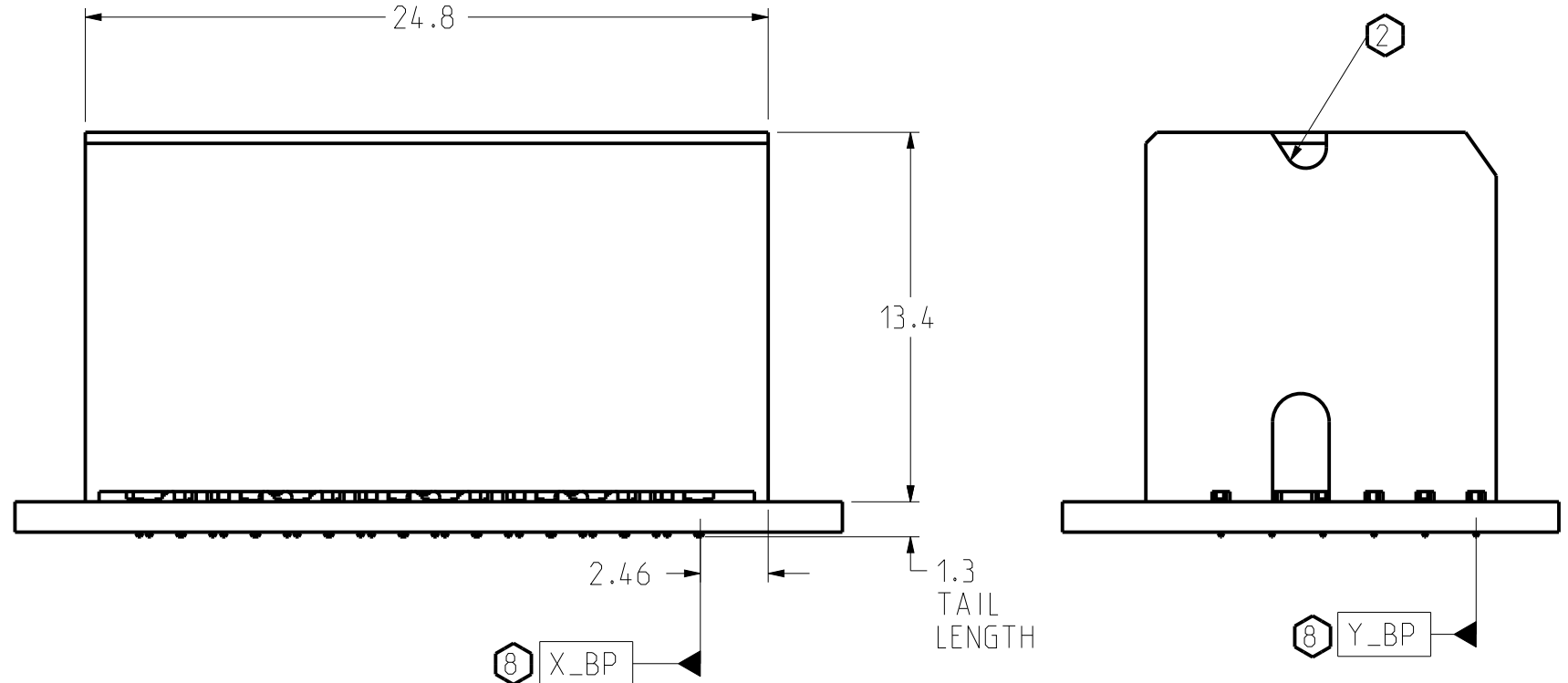
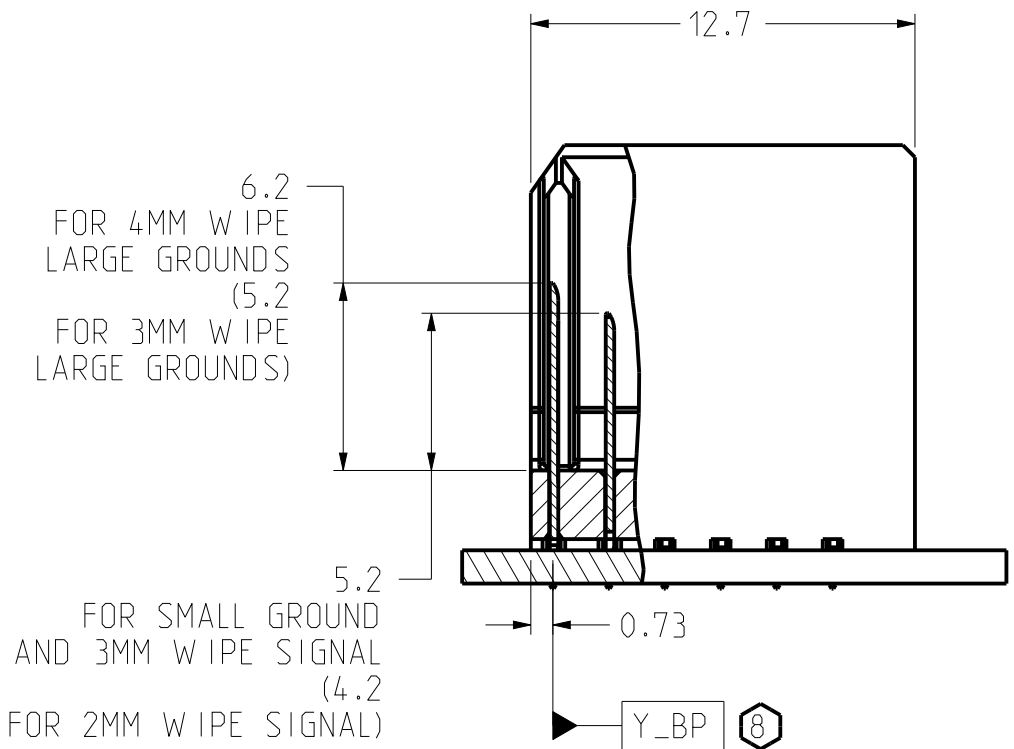
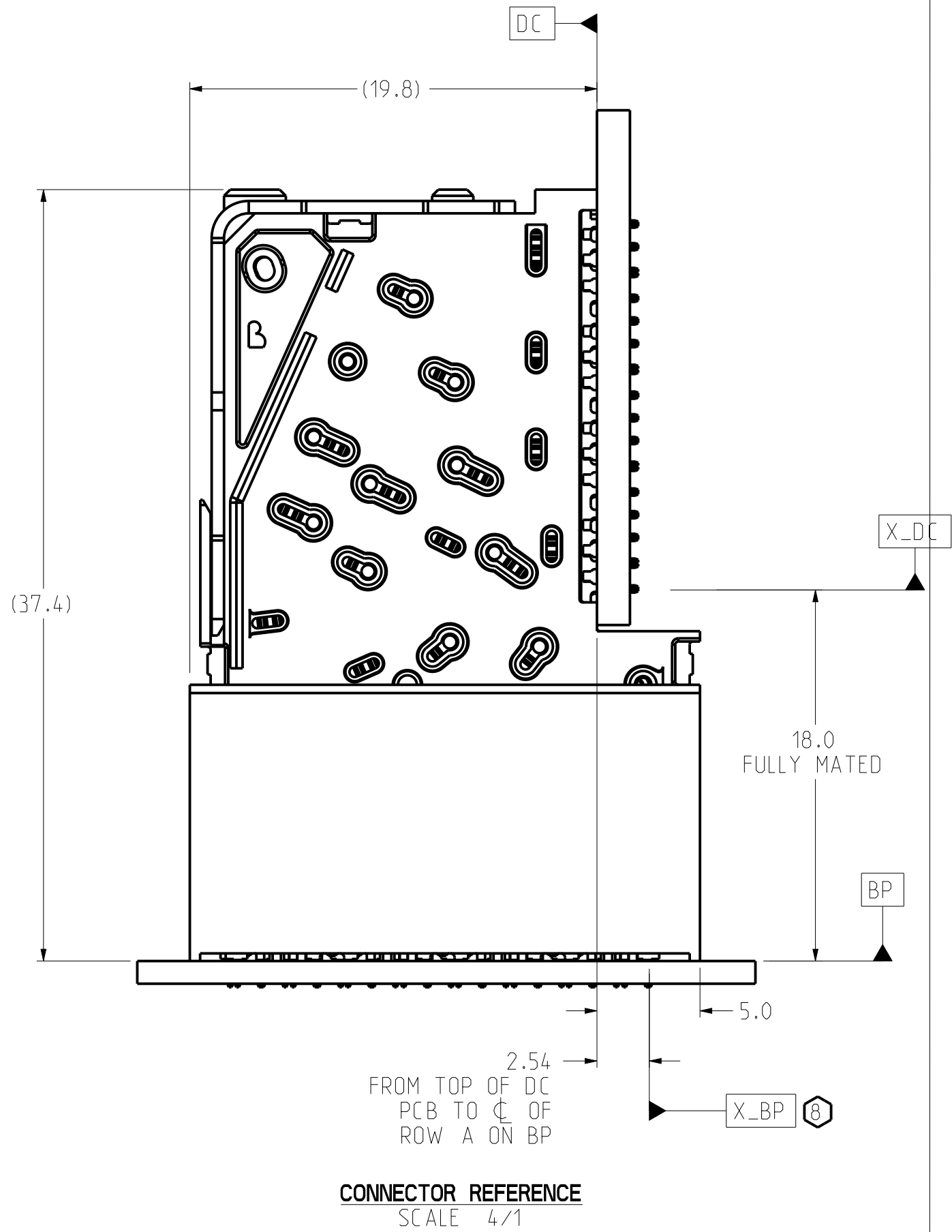
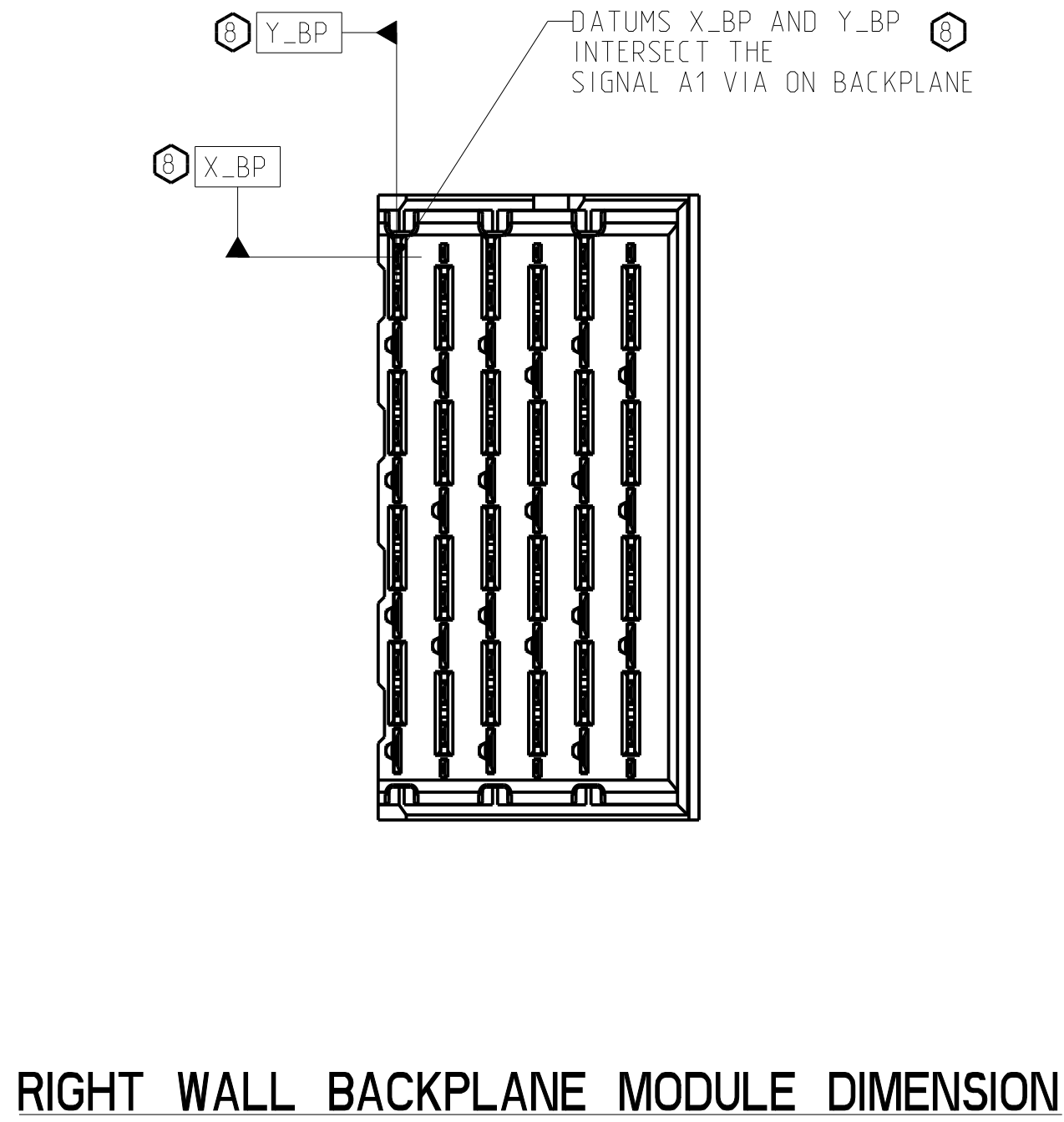
RIGHT POLARIZING/GUIDE
BACKPLANE FOOTPRINT

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

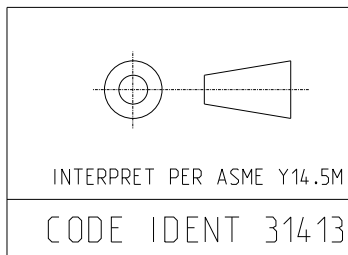
TOLERANCES		DESIGN 10/04/2006 LEIGHTON		Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000		
0.0	±0.25	DRAWN 04/16/2009 HCL-GM				
0.00	±0.13	CHK 10/05/2006 A.PFAHNL				
0.000	± -	APVD 10/06/2006 A.ASTBURY				
ANGLES		± 3°		TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede, 4 PAIR 6 POSITION		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MARKER IS PERIOD				PART NO. SEE PN TREE SHEET 1	REV N/A	
CUSTOMER USE DRAWING				DRAWING NO. C-951-400C-500	REV D	
				ASSEM C951-4--BP4 DRAWING C951-400C-500		14.7 C.5
				SIZE D	SCALE 3/1	SHEET 4 OF 8

ZONE		REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
				SEE SHEET 1			

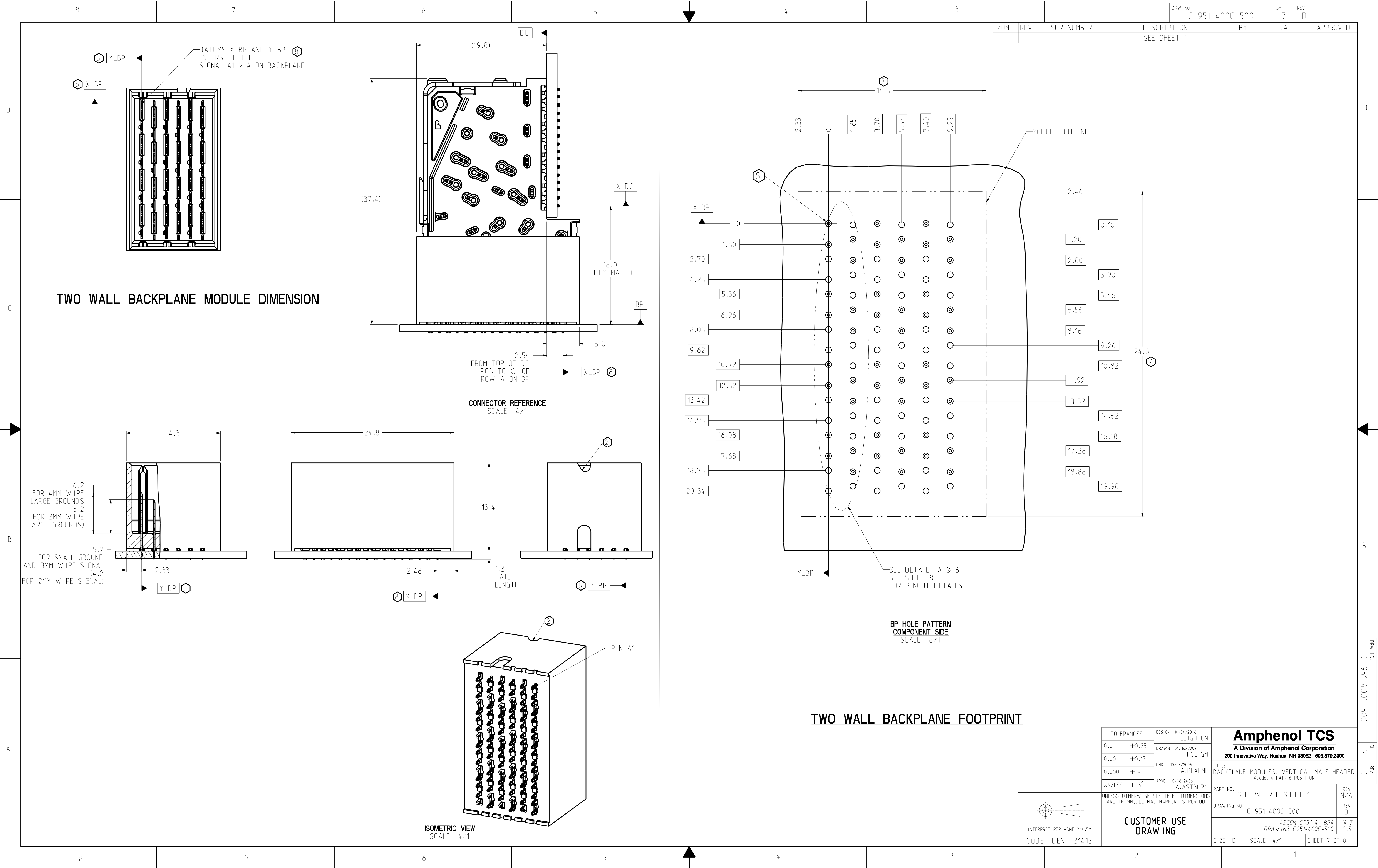
DRW NO.	SH	REV
C-951-400C-500	6	D



RIGHT WALL BACKPLANE FOOTPRINT



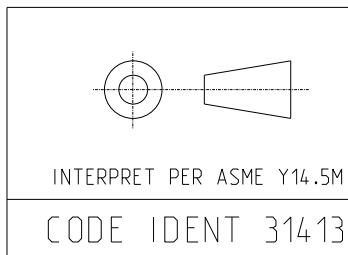
TOLERANCES		DESIGN 10/04/2006 LEIGHTON		Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000			
0.0	±0.25	DRAWN 04/16/2009 HCL-GM		TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede: 4 PAIR 6 POSITION			
0.00	±0.13	CHK 10/05/2006 A.PFAHNL					
0.000	± -	APVD 10/06/2006 A.ASTBURY		PART NO.		REV N/A	
ANGLES ± 3°				SEE PN TREE SHEET 1			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MARKER IS PERIOD				DRAWING NO.		REV D	
CUSTOMER USE DRAWING				C-951-400C-500			
				ASSEM C951-4--BP4 DRAWING C951-400C-500		14.7 C.5	
				SIZE D		SCALE 4/1	



ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

DRW NO.	SH	REV
C-951-400C-500	7	D

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 04/16/2009 HCL-GM		
0.00	±0.13	CHK 10/05/2006 A.PFAHNL		
0.000	± -	APVD 10/06/2006 A.ASTBURY		
ANGLES	± 3°	TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede, 4 PAIR 6 POSITION		PART NO. SEE PN TREE SHEET 1
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MARKER IS PERIOD			DRAWING NO. C-951-400C-500	REV N/A
CUSTOMER USE DRAWING			ASSEM C951-4--BP4 DRAWING C951-400C-500	REV D
			SIZE D	SCALE 4/1
			SHEET 7 OF 8	



INTERPRET PER ASME Y14.5M
CODE IDENT 31413

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C-951-400C-500

SH
7

REV
D

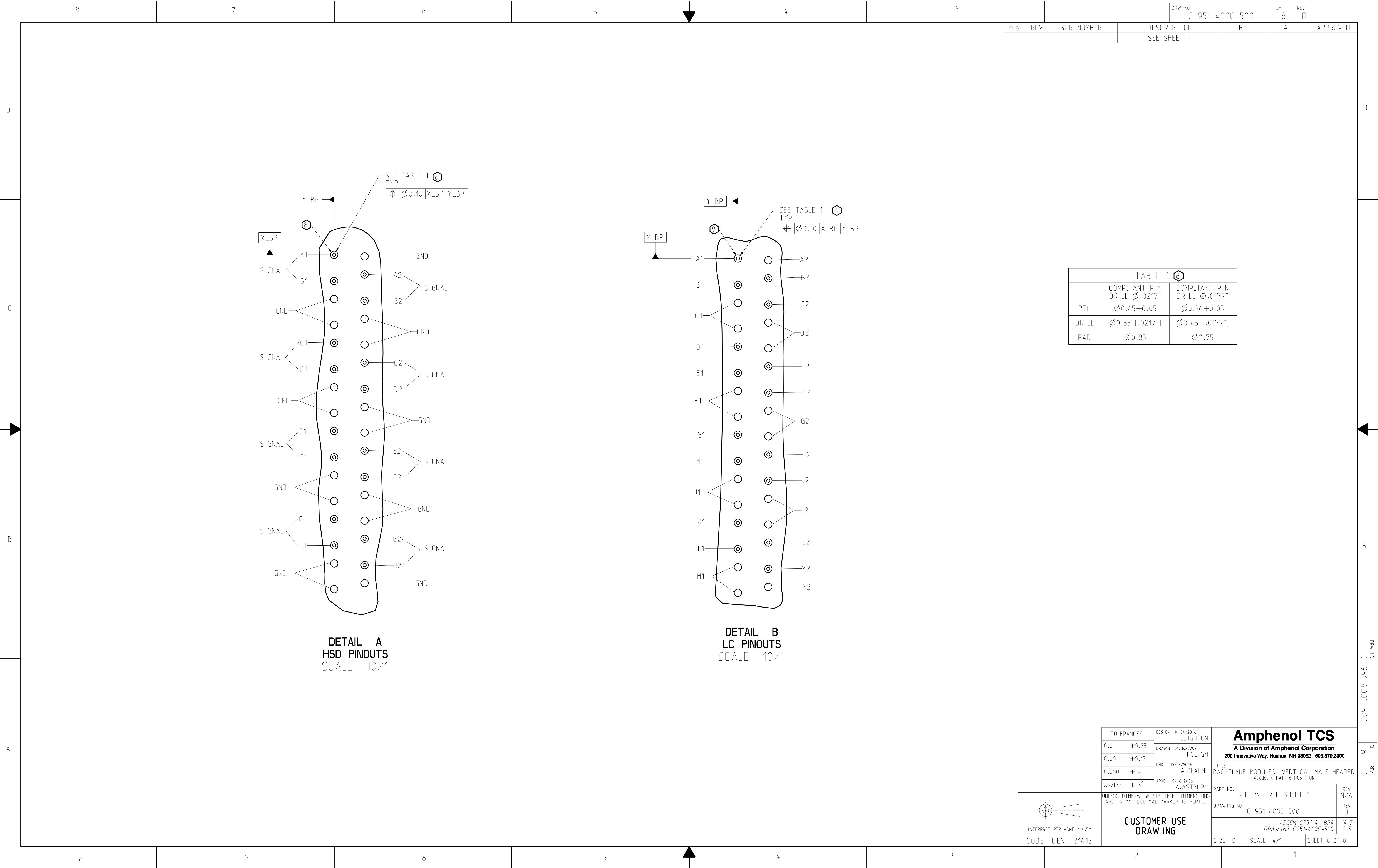


TABLE 1		
	COMPLIANT PIN DRILL $\varnothing$.0217"	COMPLIANT PIN DRILL $\varnothing$.0177"
PTH	$\varnothing$ 0.45 $\pm$ 0.05	$\varnothing$ 0.36 $\pm$ 0.05
DRILL	$\varnothing$ 0.55 [.0217"]	$\varnothing$ 0.45 [.0177"]
PAD	$\varnothing$ 0.85	$\varnothing$ 0.75

TOLERANCES		DESIGN 10/04/2006 LEIGHTON	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000	
0.0	$\pm$ 0.25	DRAWN 04/16/2009 HCL-GM		
0.00	$\pm$ 0.13	CHK 10/05/2006 A.PFAHNL		
0.000	$\pm$ -	APVD 10/06/2006 A.ASTBURY		
ANGLES	$\pm$ 3°	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS PERIOD.		PART NO. SEE PN TREE SHEET 1 REV N/A
CUSTOMER USE DRAWING		DRAWING NO. C-951-400C-500 REV D		ASSEM C951-4--BP4 14.7 DRAWING C951-400C-500 C.5
		SIZE D	SCALE 4/1	SHEET 8 OF 8