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|          |               |    |   |     |   |
|----------|---------------|----|---|-----|---|
| DRW. NO. | C966-400C-500 | SH | 1 | REV | B |
|----------|---------------|----|---|-----|---|

| ZONE | REV | SCR NUMBER        | DESCRIPTION       | BY     | DATE       | APPROVED  |
|------|-----|-------------------|-------------------|--------|------------|-----------|
| ALL  | A   | AASY-7T2LF9.VER01 | NEW RELEASE       | HCL-MH | 06/26/2009 | A.ASTBURY |
|      | B   | AASY-868QBB.VER01 | ADDED XTALIC PN'S | HCL-GM | 06/11/2010 | D.SMITH   |

9 6 6 - 4 X 0 C - X X X

4 PAIR  
6-POSITION

XCede BACKPLANE MODULE MALE STANDARD LOAD, POLARIZING STACKER

| 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          |

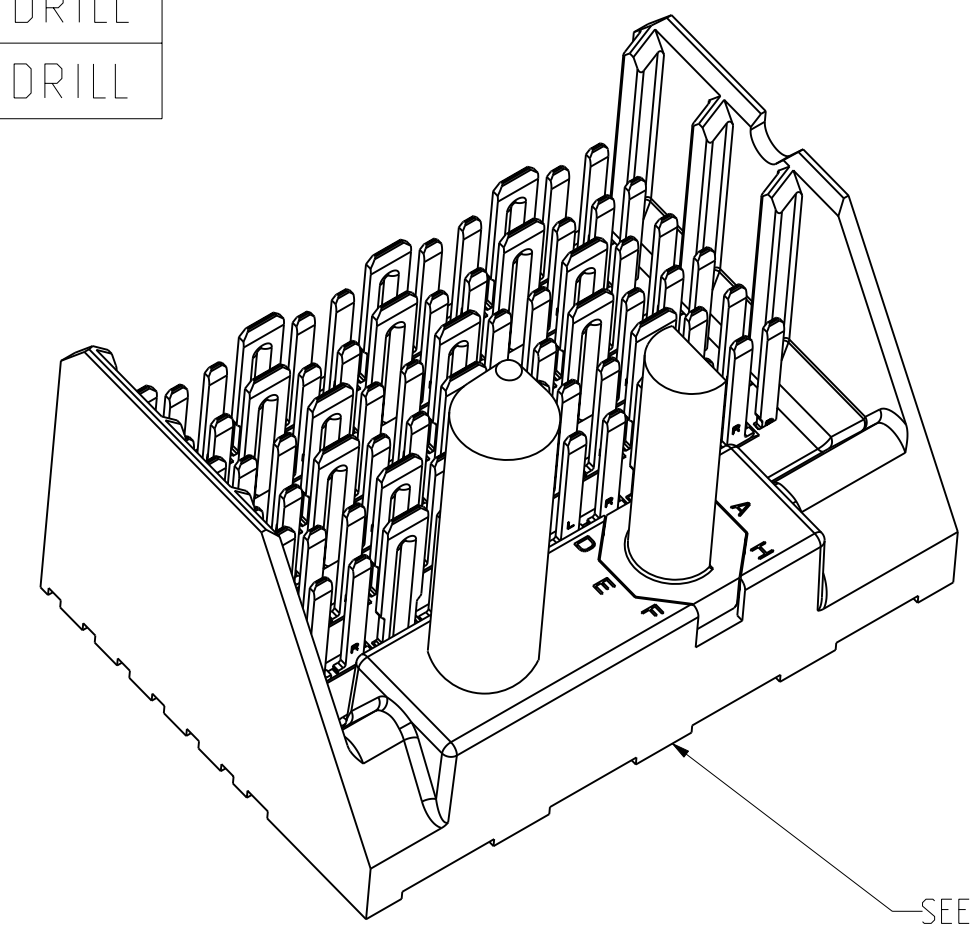
| NUMBER | PIN STYLE, HEIGHT                  |
|--------|------------------------------------|
| 2      | STACKER GUIDE PIN MACHINED, 21.6mm |
| 3      | STACKER GUIDE PIN ROLLED, 21.6mm   |

| 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  |

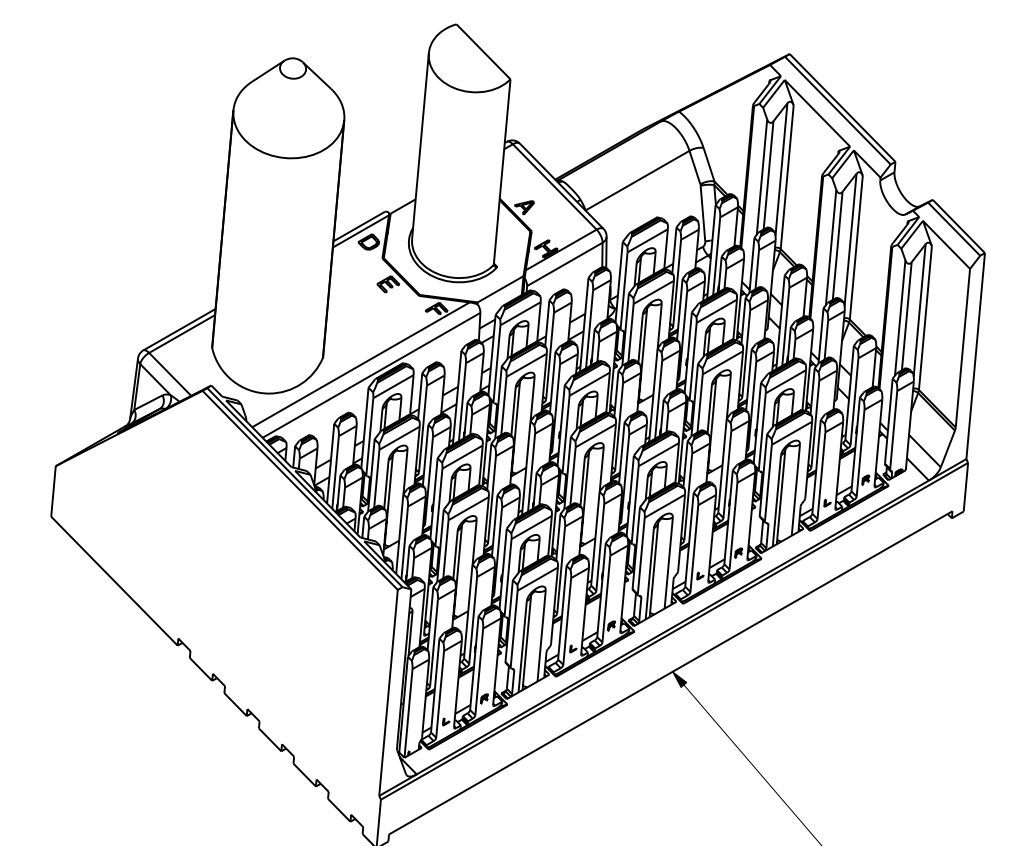
|  | LETTER                 |               |   |   |   |   |   |   |   |   |
|--|------------------------|---------------|---|---|---|---|---|---|---|---|
| LEFT<br>POLARIZING<br>GUIDANCE<br>(SEE SHEET 2)  | N                      | J<br>(NO KEY) | A | B | C | D | E | F | G | H |
|  | NO KEY<br>NO GUIDE PIN |               |   |   |   |   |   |   |   |   |
| RIGHT<br>POLARIZING<br>GUIDANCE<br>(SEE SHEET 3) | Z                      | Y<br>(NO KEY) | P | Q | R | S | T | U | V | W |
|  | NO KEY<br>NO GUIDE PIN |               |   |   |   |   |   |   |   |   |

NOTES:

- REFER TO TB-2150 FOR XCede PRODUCT SPECIFICATIONS.
- 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 (966-####-###).  
 LINE 3: WORK ORDER NUMBER (#####).  
 WHERE "\*" DENOTES MANUFACTURING LOCATION.
- 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.
- SEE TB-2149 FOR ROUTING GUIDELINES & PTH REQ'S.
- SEE DOC C190-1001-000 FOR TOOLING KEEPOUT ZONES.
- BACKPLANE DATUM REFERENCE.
- 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.



SEE SHEET 3



SEE SHEET 2

SCALE 4/1

|   |                                |  |   |  |
|---|--------------------------------|--|---|--|
| TOLERANCES                                    | DESIGN 10/04/2006<br>A.ASTBURY | <b>Amphenol TCS</b><br>A Division of Amphenol Corporation<br>200 Innovative Way, Nashua, NH 03062 803.879.3000 | TITLE   | BACKPLANE MODULES, VERTICAL MALE HEADER<br>XCede, 4 PAIR 6 POSITION POLARIZING STACKER |
| 0.0 ±0.25                                     | DRAWN 06/26/2009<br>HCL-MH     |  | PART NO.  | SEE PN TREE SHEET 1  |
| 0.00 ±0.13                                    | CHK 06/26/2009<br>A.ASTBURY    |  | DRAWING NO.   | C966-400C-500  |
| 0.000 ± -                                     | APVD 06/26/2009<br>A.ASTBURY   |  | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD | REV N/A  |
| ANGLES ± 3°                                   |                                | PROJ TYPE: C966-4--BPA<br>PROJ DRAWING: C966-400C-500  | REV B   | 1.1<br>B.O   |
| INTERPRET PER ASME Y14.5M<br>CODE IDENT 31413 |                                | CUSTOMER USE<br>DRAWING  | SIZE D  | SCALE 3/1  |
|   |                                |  | SHEET 1 OF 4  |  |

DRW. NO. C966-400C-500

SH 1 REV B

8

7

6

5

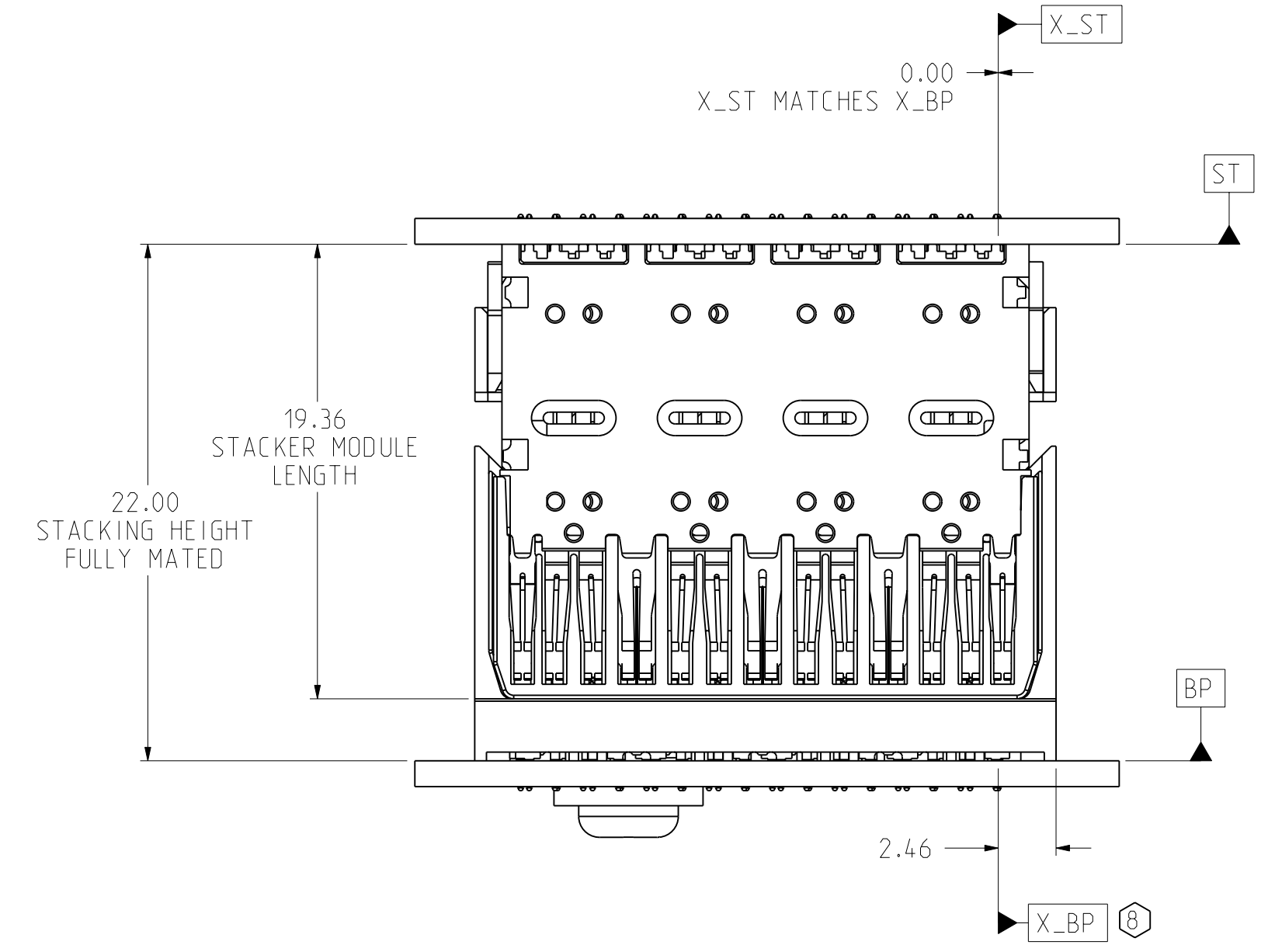
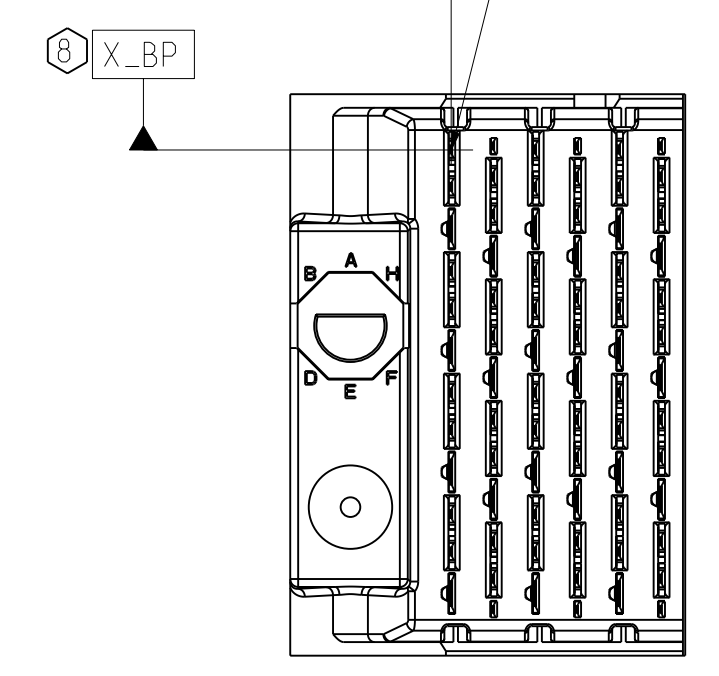
4

3

2

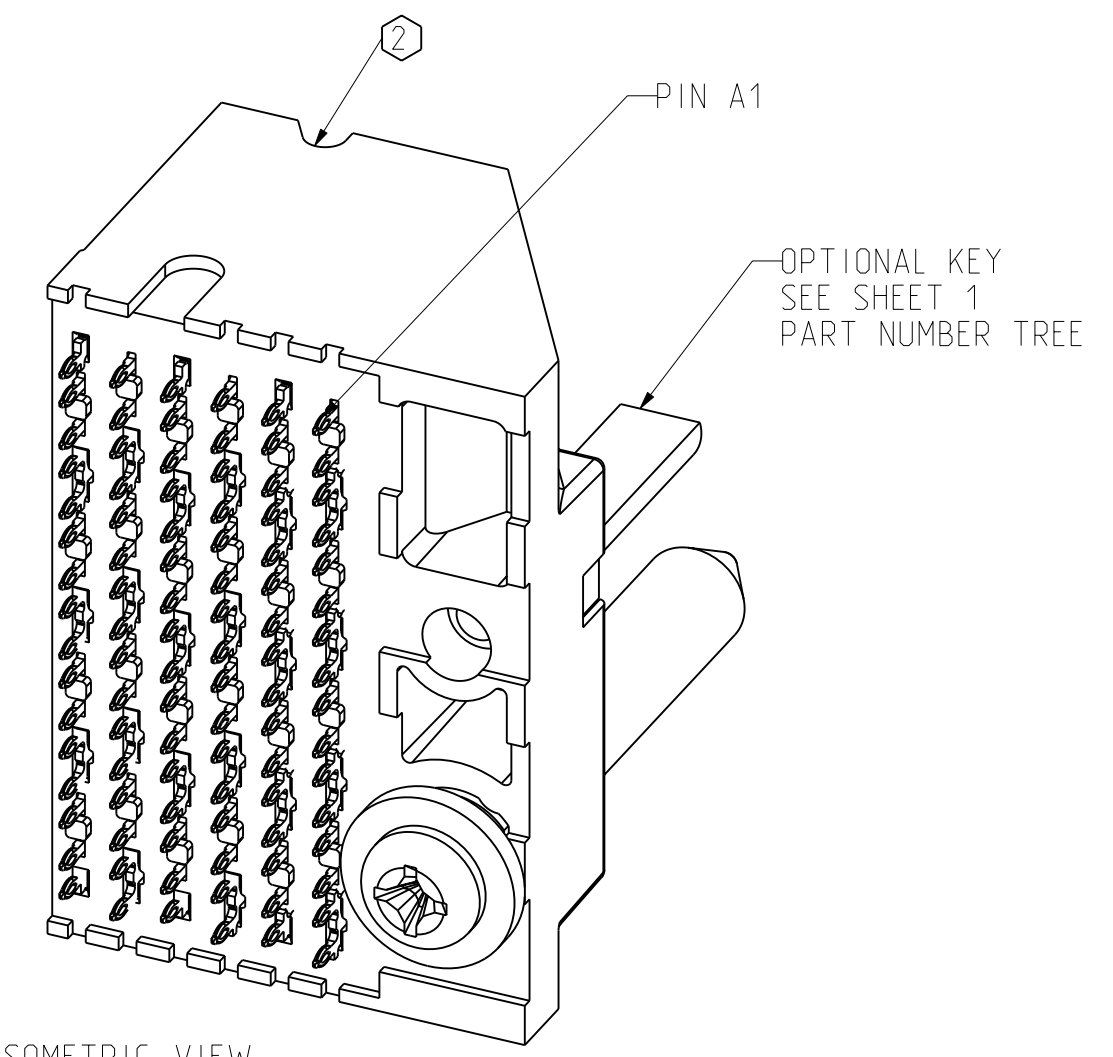
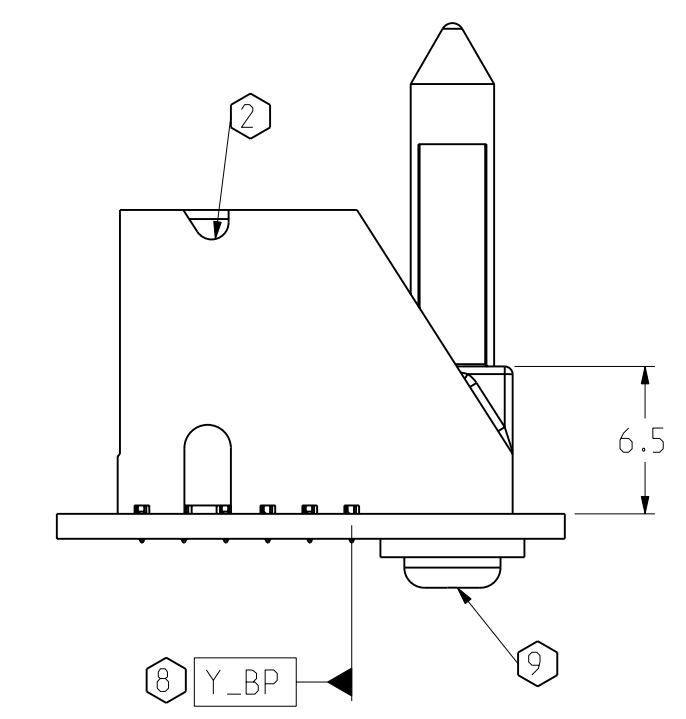
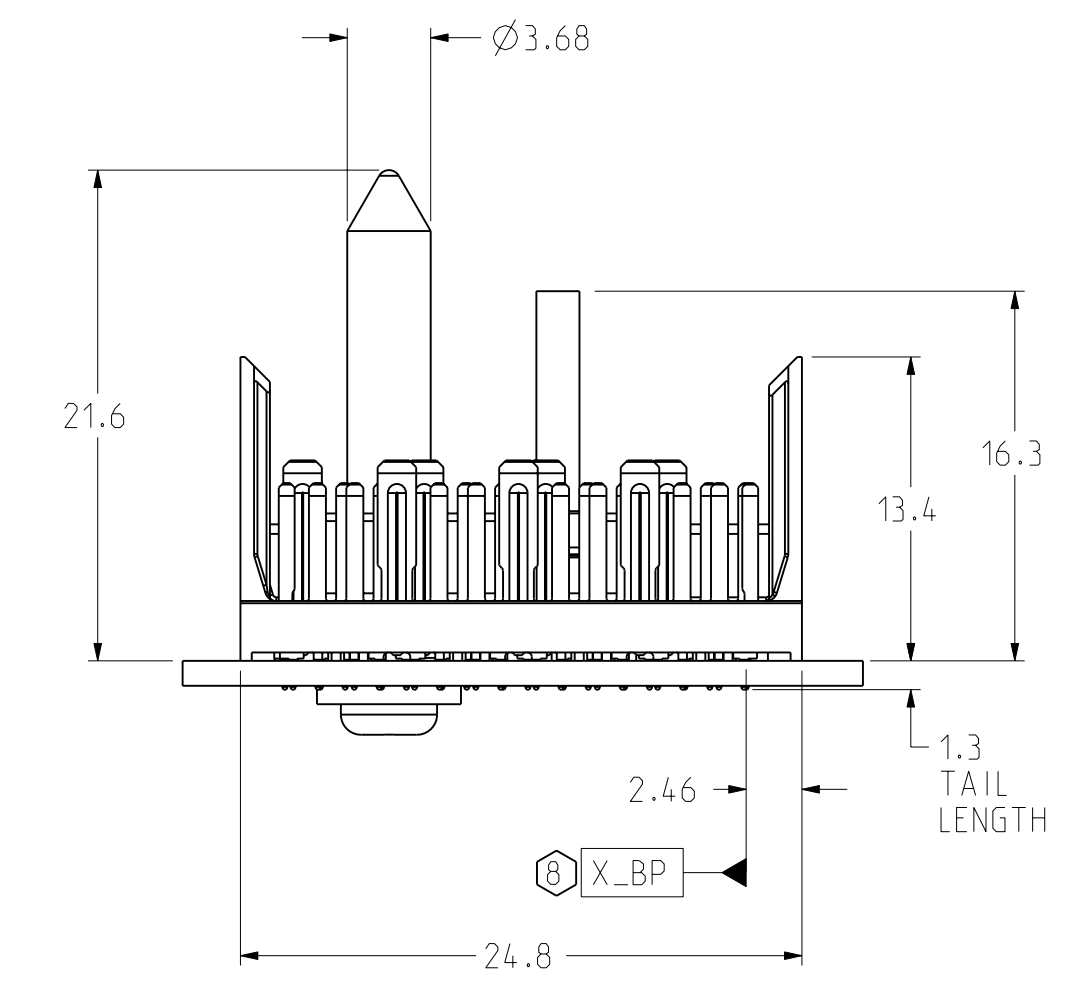
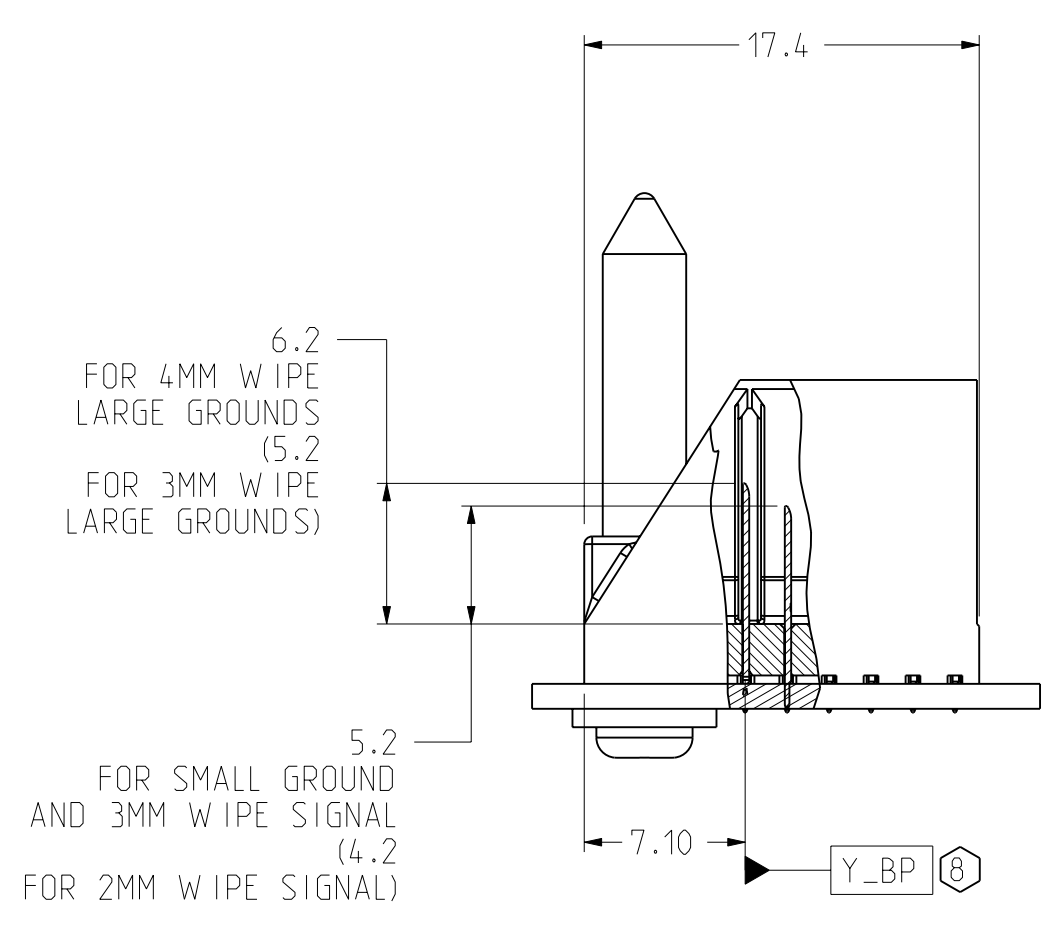
1

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

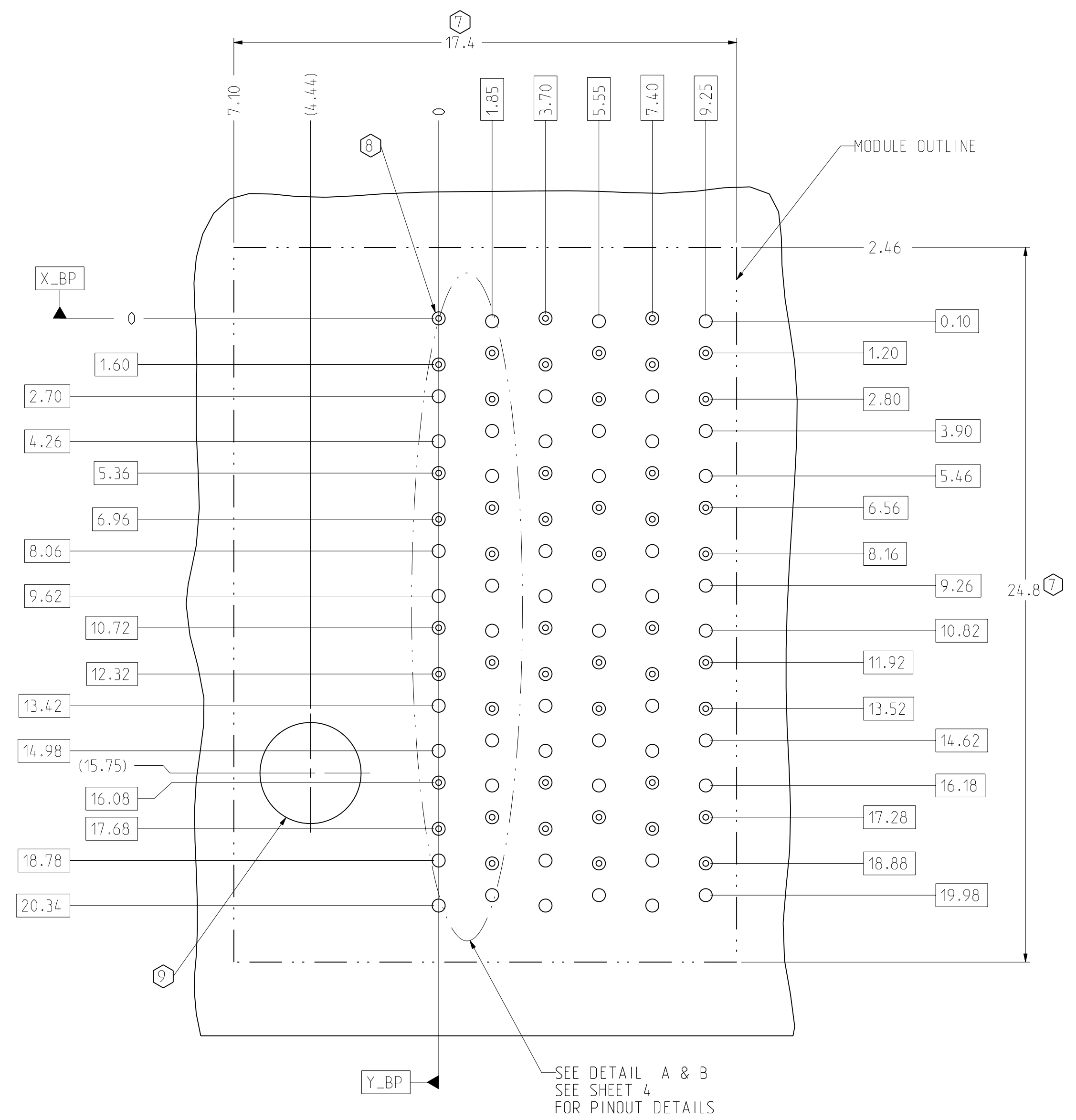


LEFT POLARIZING/GUIDE STACKER BACKPLANE MODULE DIMENSION

CONNECTOR REFERENCE SCALE 4/1



ISOMETRIC VIEW SCALE 4/1



BP HOLE PATTERN COMPONENT SIDE SCALE 8/1

LEFT POLARIZING/GUIDE STACKER BACKPLANE FOOTPRINT

| TOLERANCES | DESIGN | 10/04/2006 |
|------------|--------|------------|
| 0.0        | ±0.25  | A.ASTBURY  |
| 0.00       | ±0.13  | HCL-MH     |
| 0.000      | ±      | A.ASTBURY  |
| ANGLES     | ± 3°   | A.ASTBURY  |

**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 POLARIZING STACKER

PART NO. SEE PN TREE SHEET 1  
DRAWING NO. C966-400C-500

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

INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

CUSTOMER USE DRAWING

PRO/E TYPE: C966-4--BP4  
PRO/E DRAWING: C966-400C-500  
1.1  
B.O.

SIZE D SCALE 3/1 SHEET 2 OF 4

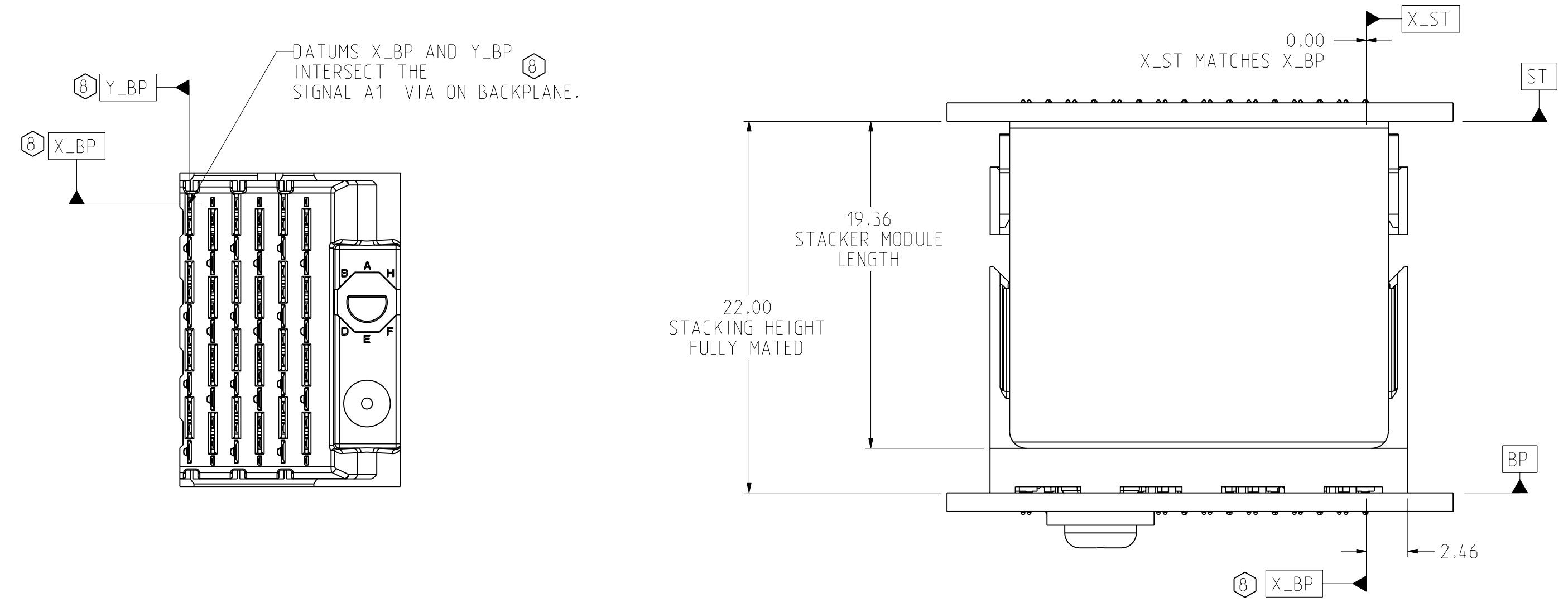
DRW NO. C966-400C-500

SH 2 REV B

|         |               |            |             |     |      |          |
|---------|---------------|------------|-------------|-----|------|----------|
| DRW NO. | C966-400C-500 | SH         | 3           | REV | B    |          |
| ZONE    | REV           | SCR NUMBER | DESCRIPTION | BY  | DATE | APPROVED |
|         |               |            | SEE SHEET 1 |     |      |          |

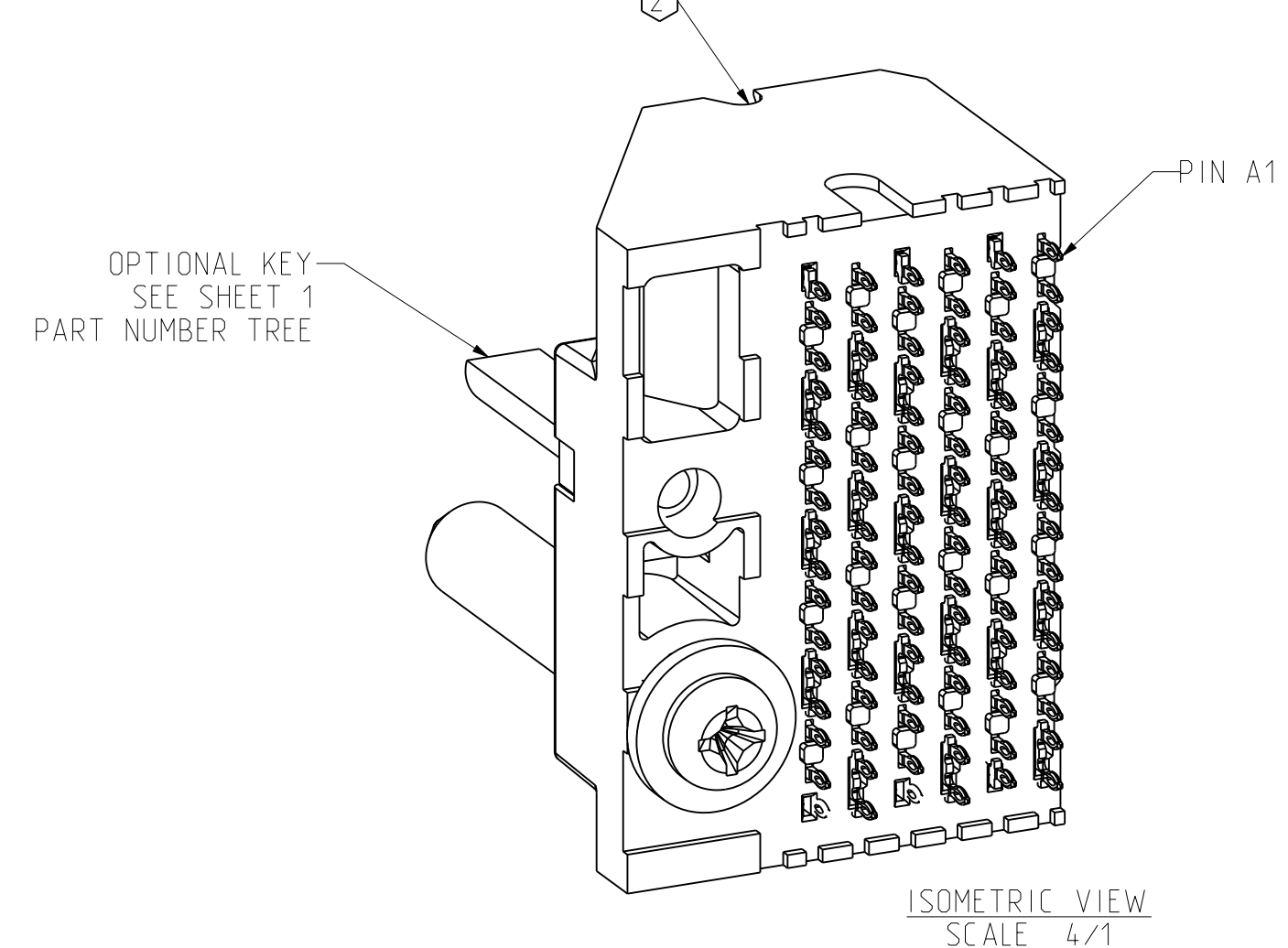
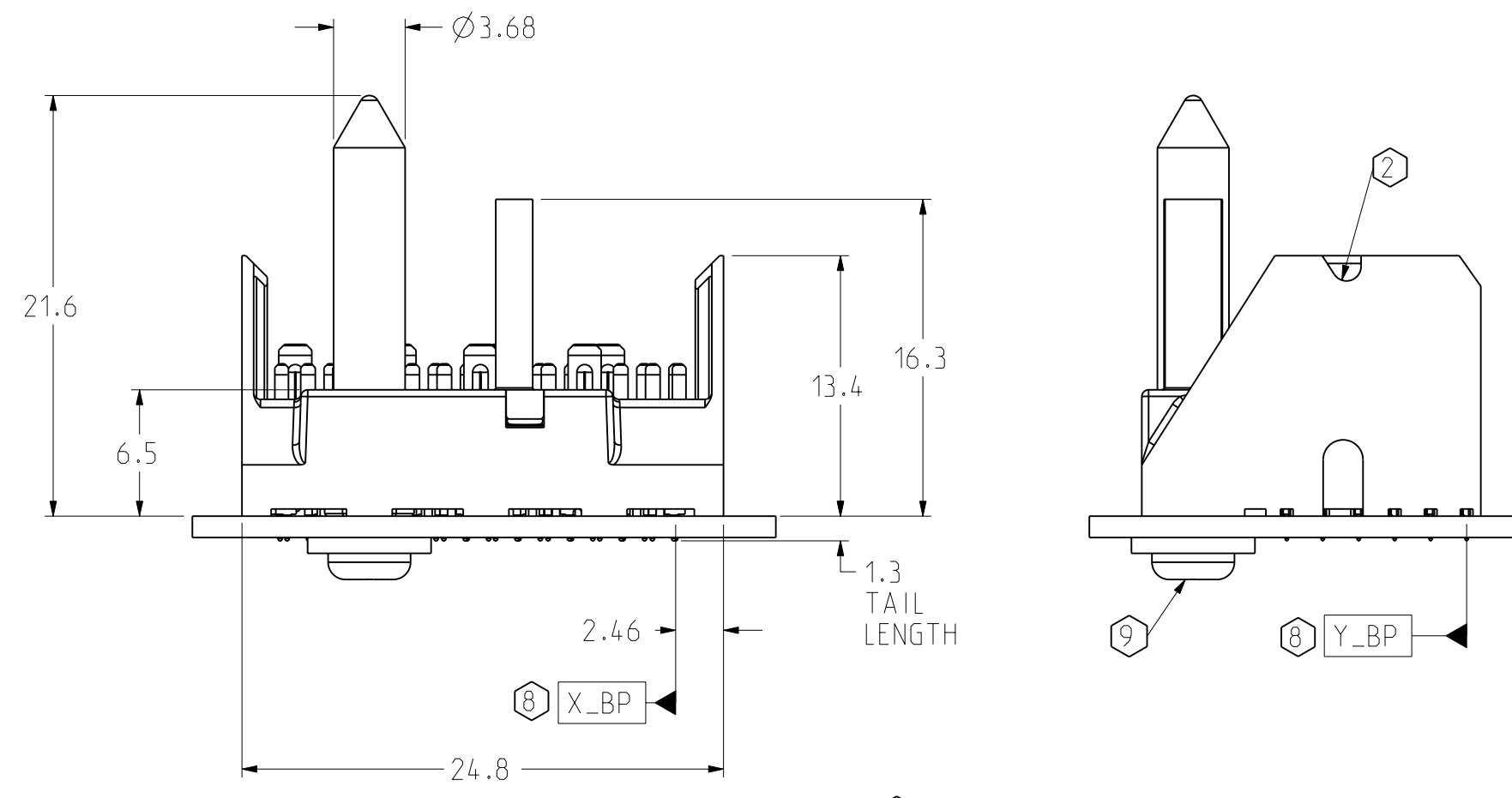
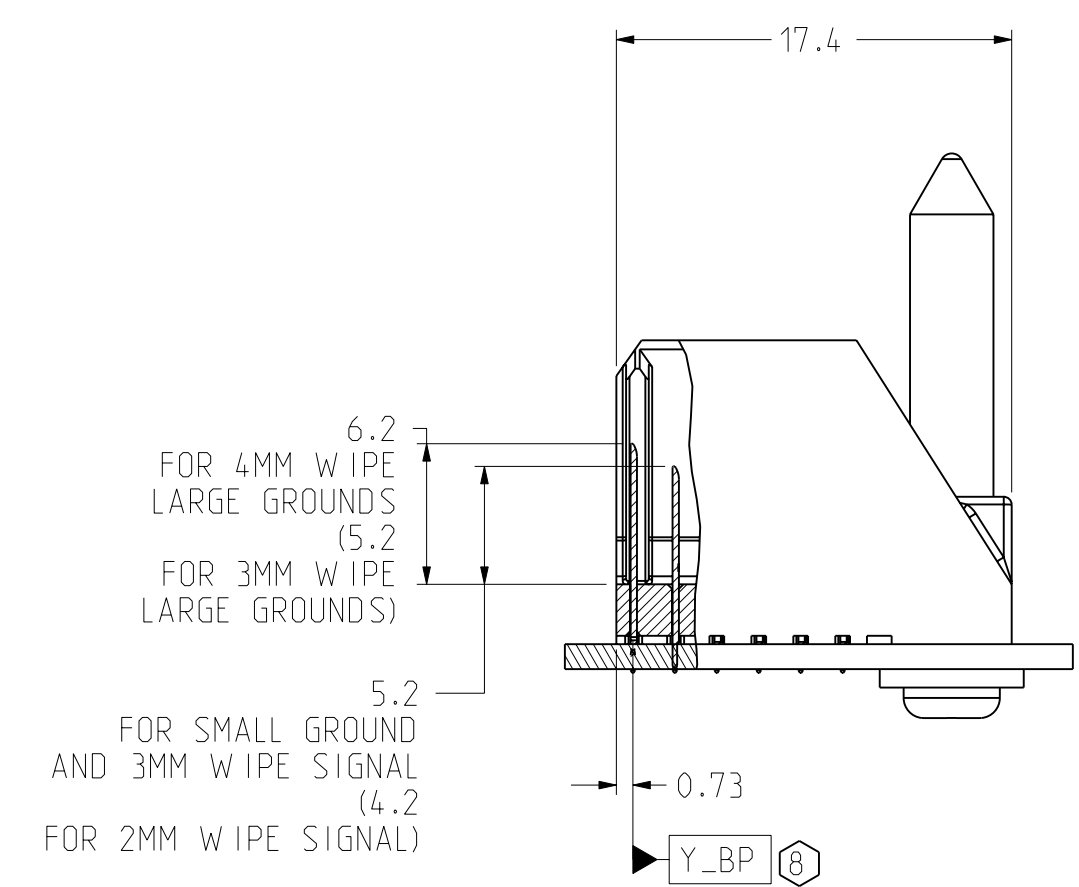
|      |     |            |             |    |      |          |
|------|-----|------------|-------------|----|------|----------|
| ZONE | REV | SCR NUMBER | DESCRIPTION | BY | DATE | APPROVED |
|      |     |            | SEE SHEET 1 |    |      |          |

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

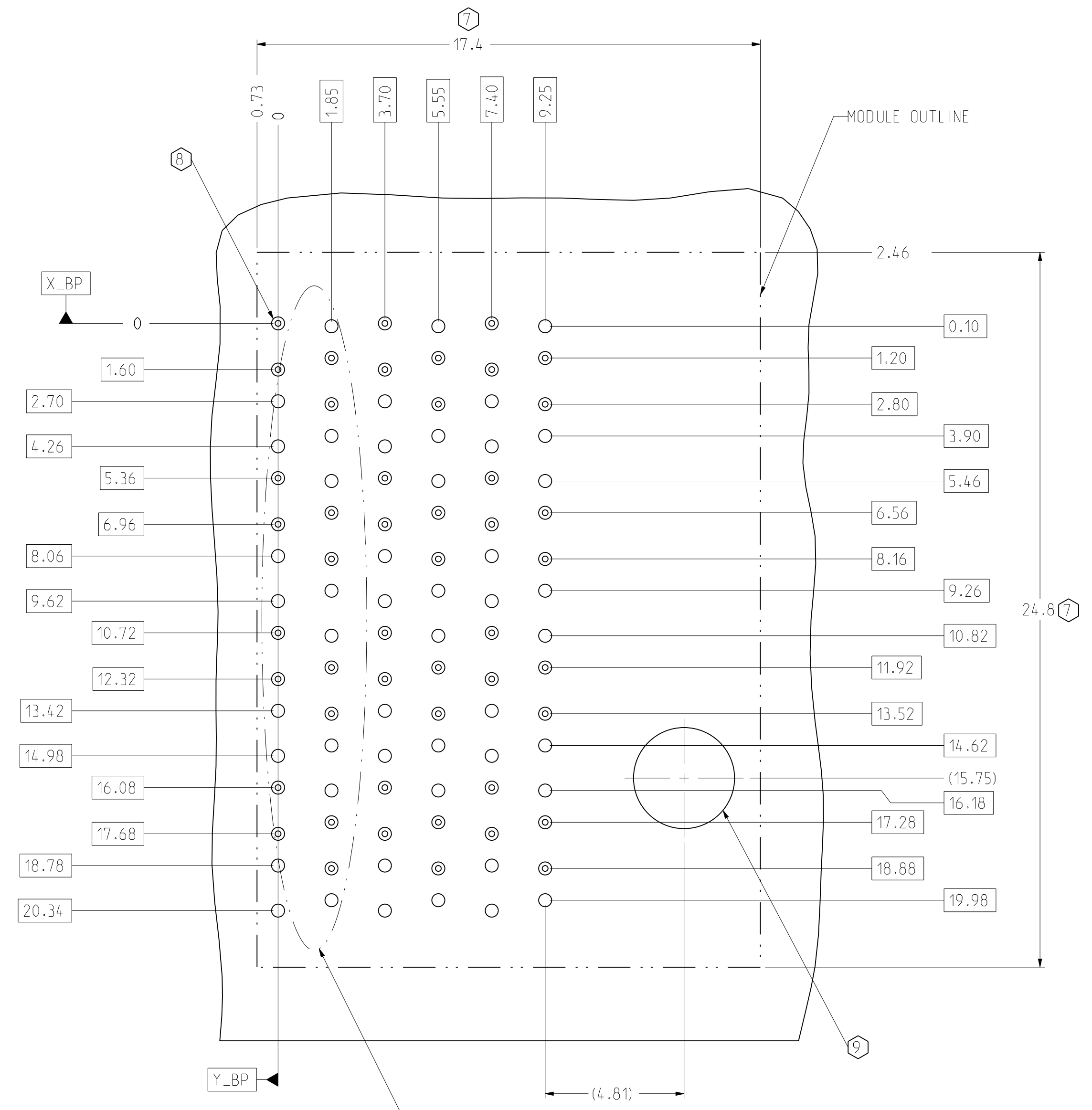


RIGHT POLARIZING/GUIDE STACKER BACKPLANE MODULE DIMENSION

CONNECTOR REFERENCE SCALE 4/1



ISOMETRIC VIEW SCALE 4/1



BP HOLE PATTERN COMPONENT SIDE SCALE 8/1

RIGHT POLARIZING/GUIDE STACKER BACKPLANE FOOTPRINT

|             |                                |  |  |   |              |
|-------------|--------------------------------|--|--|---|--------------|
| TOLERANCES  | DESIGN 10/04/2006<br>A.ASTBURY | <b>Amphenol TCS</b><br>A Division of Amphenol Corporation<br>200 Innovative Way, Nashua, NH 03062 803.879.3000 | TITLE  | BACKPLANE MODULES, VERTICAL MALE HEADER<br>Xcde. 4 PAIR 6 POSITION POLARIZING STACKER |              |
| 0.0 ±0.25   | DRAWN 06/26/2009<br>HCL-MH     |  | PART NO.   | SEE PN TREE SHEET 1   |              |
| 0.00 ±0.13  | CHK 06/26/2009<br>A.ASTBURY    |  | DRAWING NO.  | C966-400C-500   |              |
| 0.000 ± -   | APVD 06/26/2009<br>A.ASTBURY   |  | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD. | REV N/A   |              |
| ANGLES ± 3° |                                |  | PROJ TYPE: C966-4--BPA<br>PROJ DRAWING: C966-400C-500                        | REV B   |              |
|             |                                |  | SIZE D   | SCALE 3/1   | SHEET 3 OF 4 |

INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

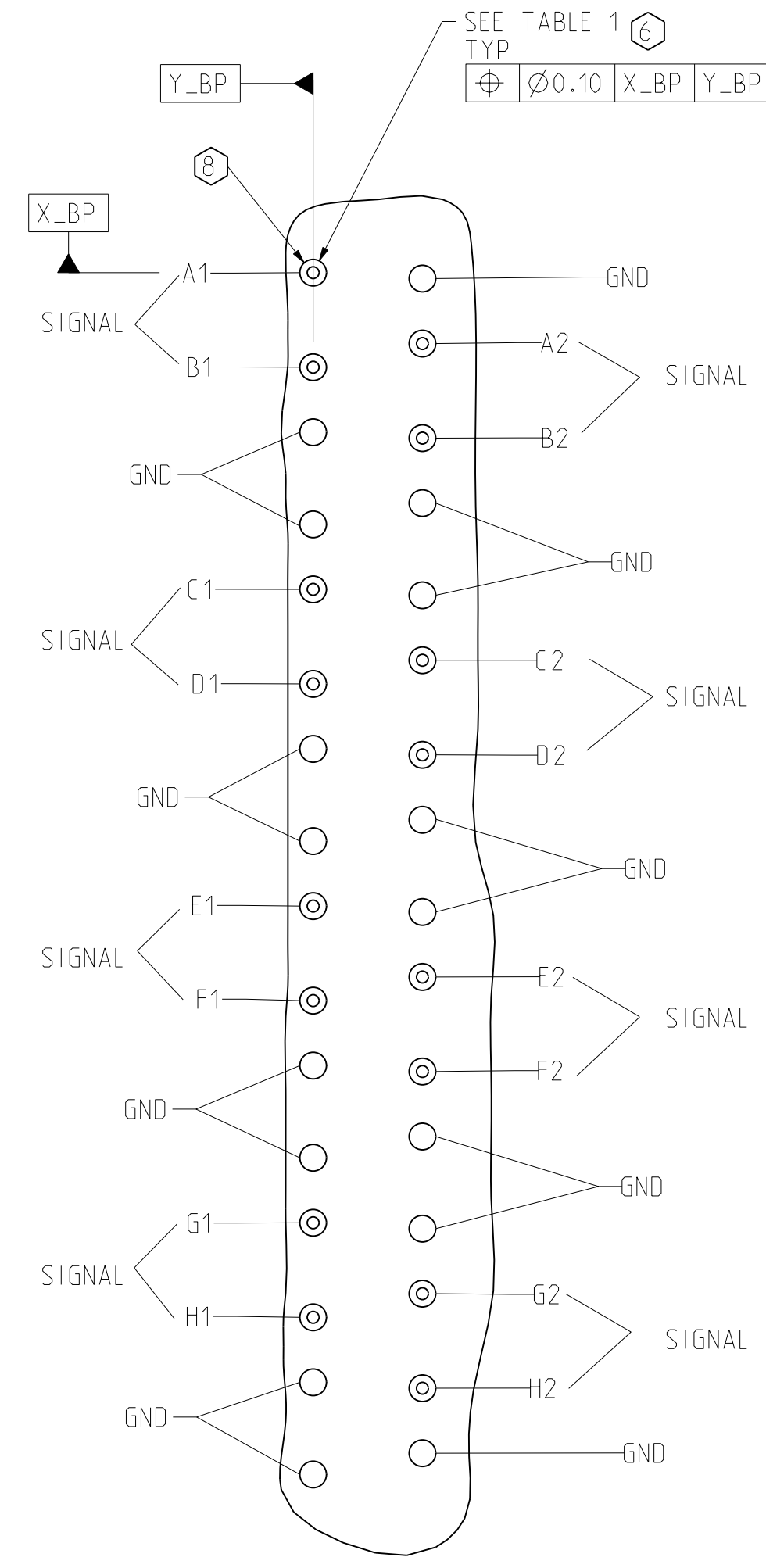
CUSTOMER USE DRAWING

C966-400C-500

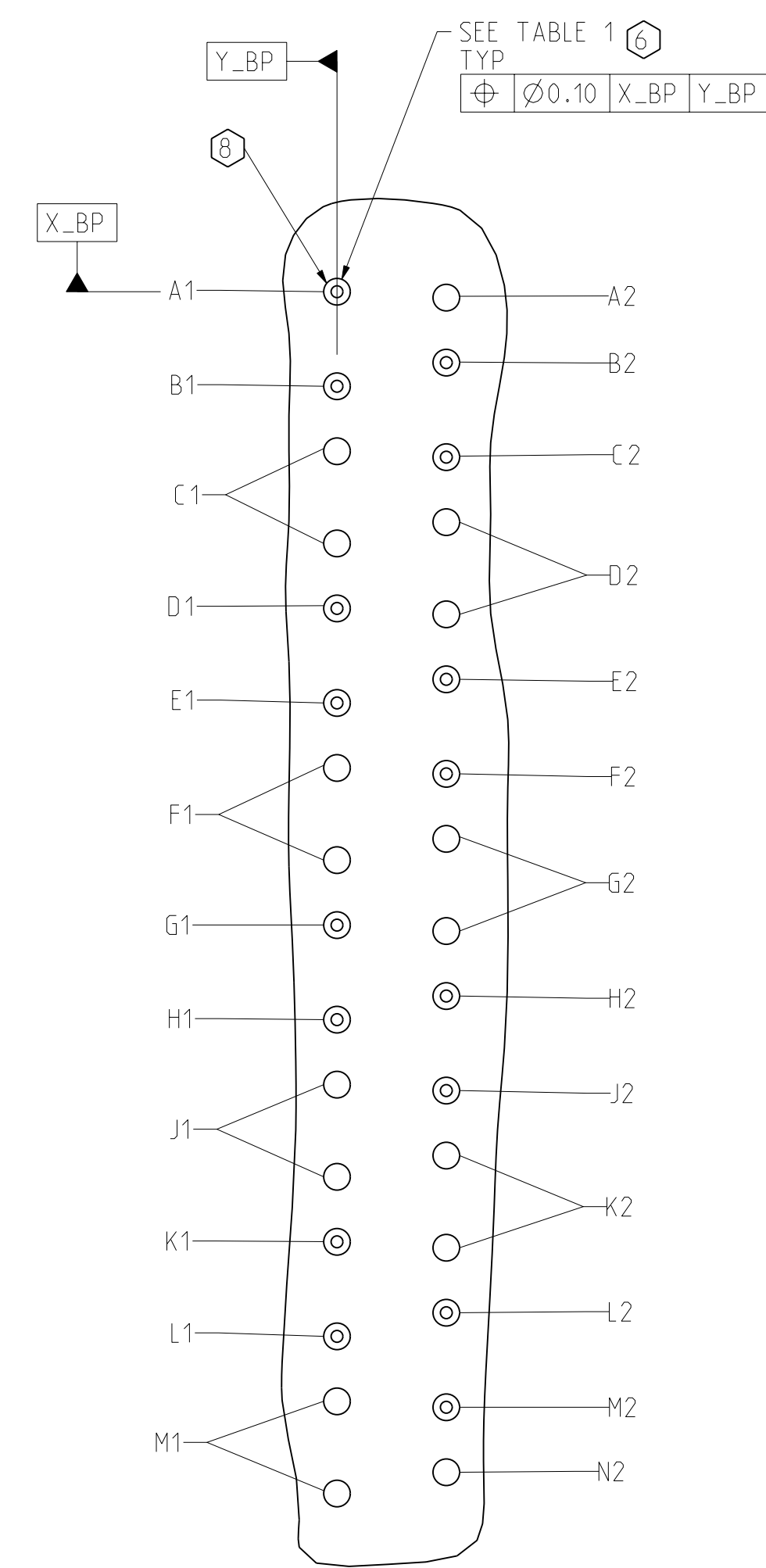
SH 3  
REV B

| ZONE | REV | SCR NUMBER | DESCRIPTION | BY | DATE | APPROVED |
|------|-----|------------|-------------|----|------|----------|
|      |     |            | SEE SHEET 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 | $\varnothing 0.55$ 10.0217*1              | $\varnothing 0.45$ [0.0177*1]             |
| PAD   | $\varnothing 0.85$                        | $\varnothing 0.75$                        |



DETAIL A  
HSD PINOUTS  
SCALE 10/1



DETAIL B  
LC PINOUTS  
SCALE 10/1

|                           |               |  |  |   |
|---------------------------|---------------|--|--|---|
| TOLERANCES                |               | DESIGN 10/04/2006<br>A.ASTBURY   | <b>Amphenol TCS</b><br>A Division of Amphenol Corporation<br>200 Innovative Way, Nashua, NH 03062 603.879.3000 | TITLE<br>BACKPLANE MODULES, VERTICAL MALE HEADER<br>XCede, 4 PAIR 6 POSITION POLARIZING STACKER |
| 0.0                       | $\pm 0.25$    | DRAWN 06/26/2009<br>HCL-MH   |  | PART NO.<br>SEE PN TREE SHEET 1   |
| 0.00                      | $\pm 0.13$    | CHK 06/26/2009<br>A.ASTBURY  |  | REV<br>N/A  |
| 0.000                     | $\pm -$       | APVD 06/26/2009<br>A.ASTBURY   |  | DRAWING NO.<br>C966-400C-500  |
| ANGLES                    | $\pm 3^\circ$ | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD. |  | PRO/E TYPE: C966-4--BPA<br>PRO/E DRAWING: C966-400C-500<br>1.1<br>B.O                           |
| INTERPRET PER ASME Y14.5M |               | CUSTOMER USE DRAWING   |  | SCALE 3/1   |
| CODE IDENT 31413          |               | SIZE D   |  | SHEET 4 OF 4  |

005-3007-996 C966-400C-500

SH 4  
REV B