

| 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

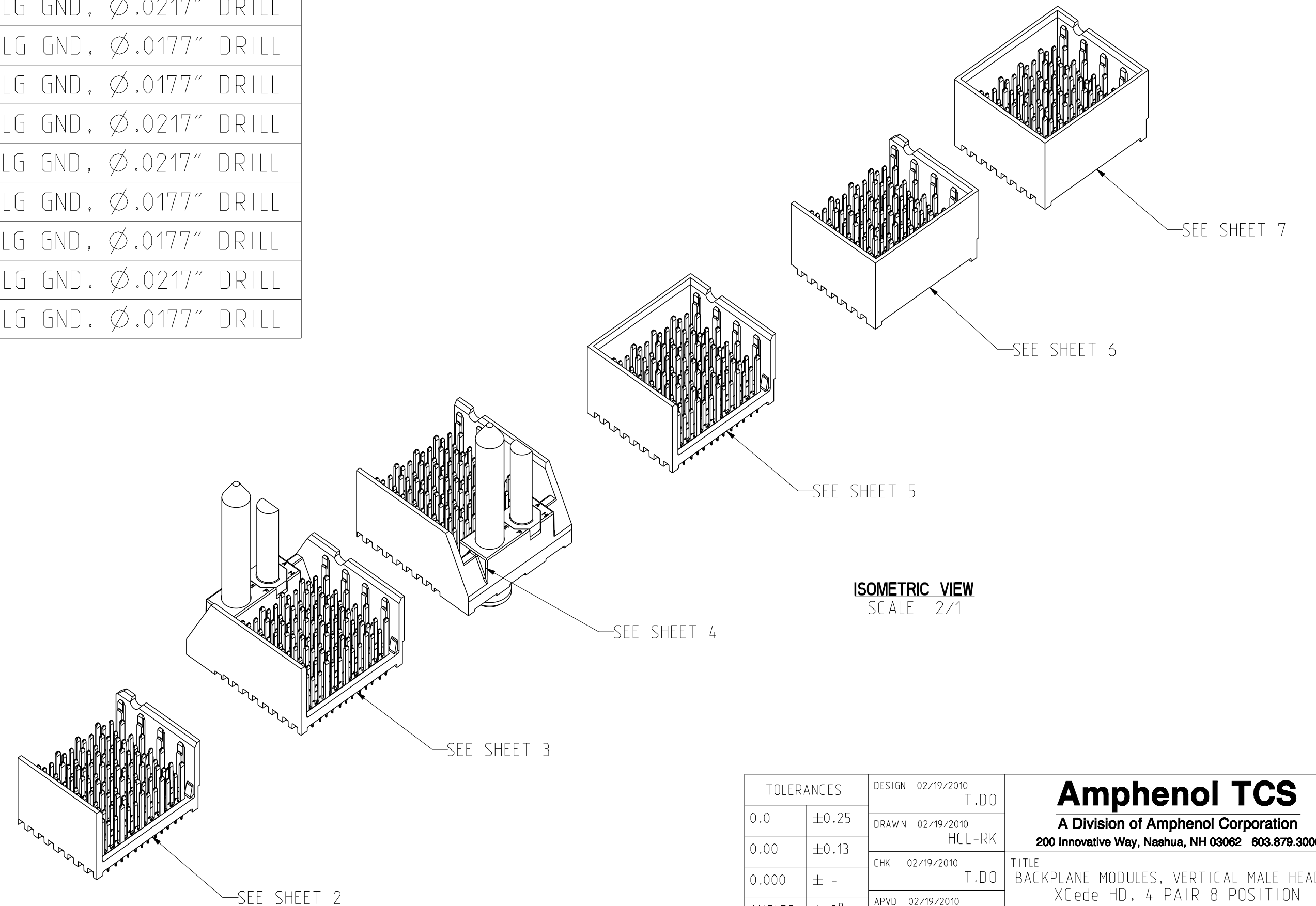
4 PAIR 8-POSITION

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

| 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 |

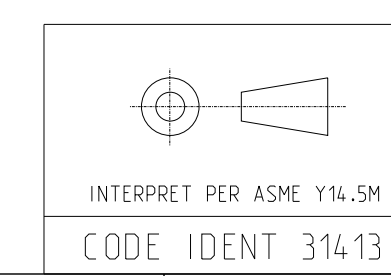
| NUMBER | SIGNAL & LG. GROUND WIPE LENGTH, COMPLIANT PIN SIZE |
|--------|---|
| 1 | 2 mm WIPE SIGNAL, 4 mm WIPE LG GND, ϕ .0217" DRILL |
| 2 | 3 mm WIPE SIGNAL, 4 mm WIPE LG GND, ϕ .0217" DRILL |
| 3 | 2 mm WIPE SIGNAL, 4 mm WIPE LG GND, ϕ .0177" DRILL |
| 4 | 3 mm WIPE SIGNAL, 4 mm WIPE LG GND, ϕ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

| | 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 | | | | | | | | | | |



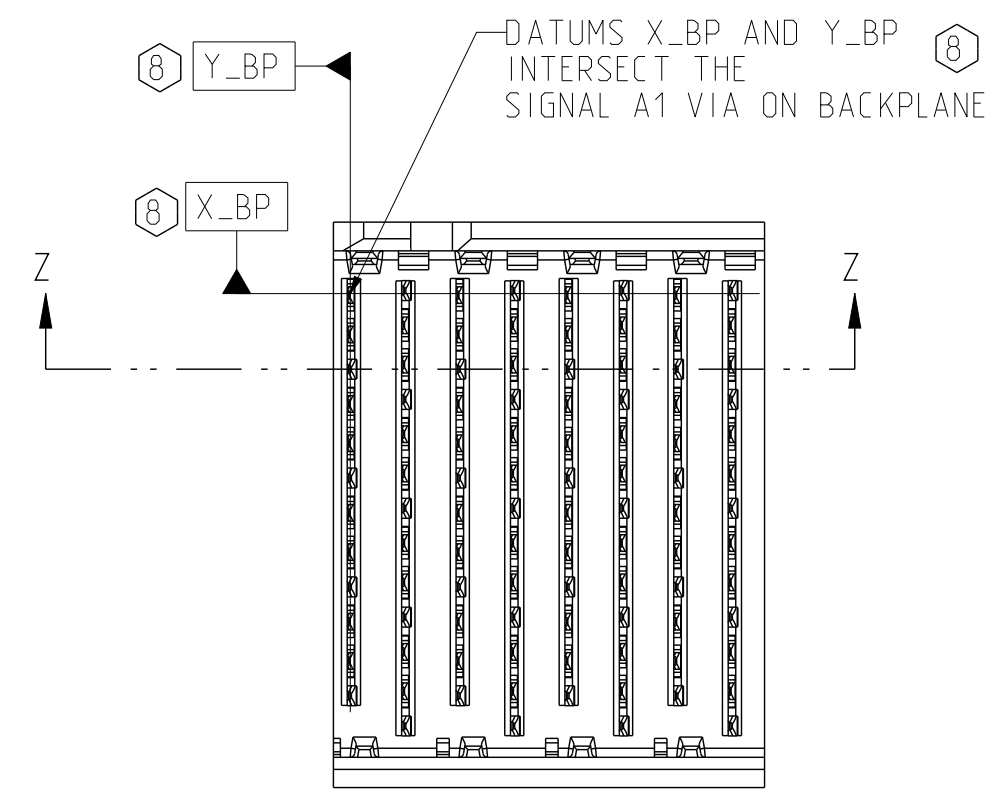
ISOMETRIC VIEW SCALE 2/1

- 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.

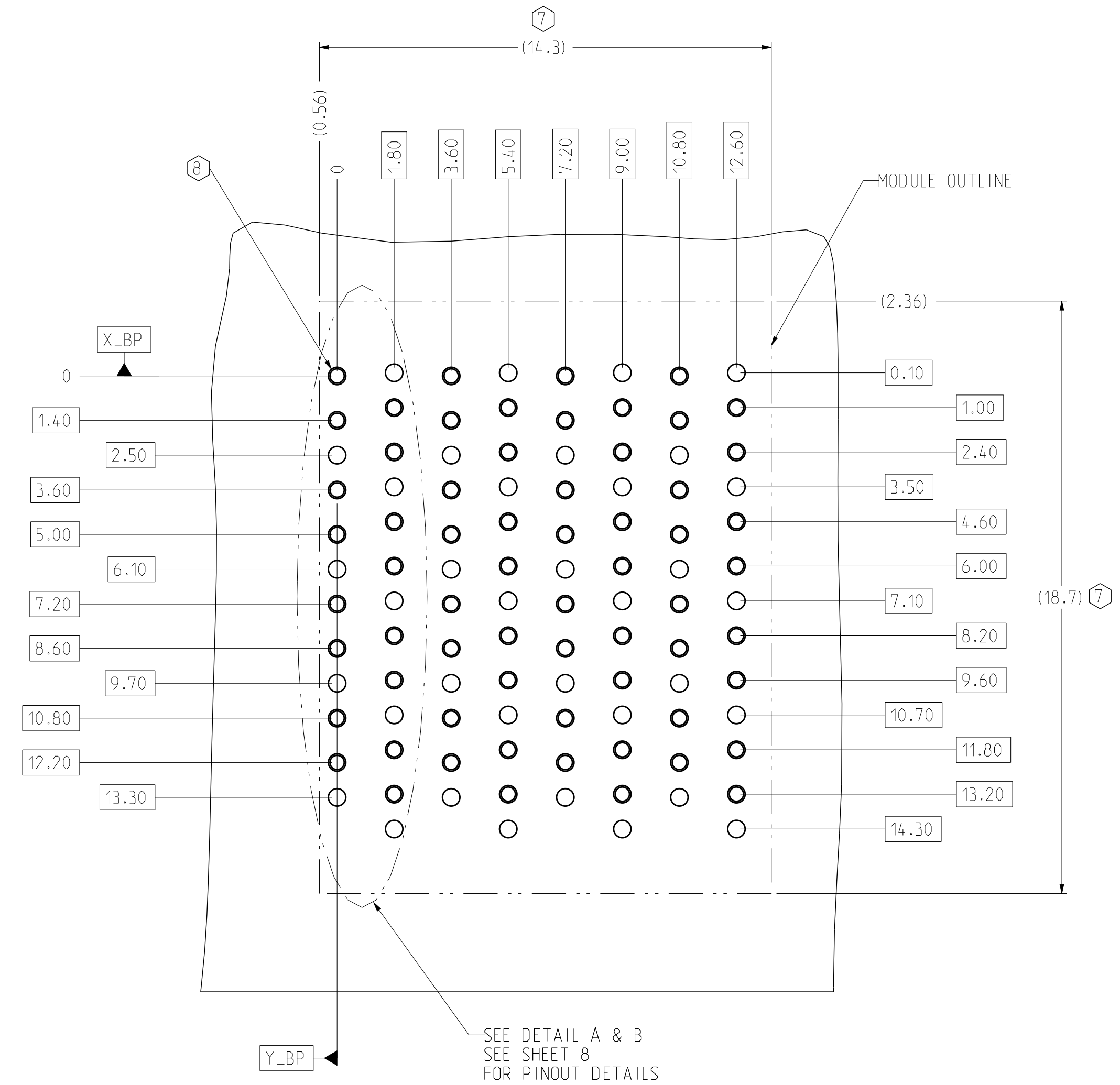
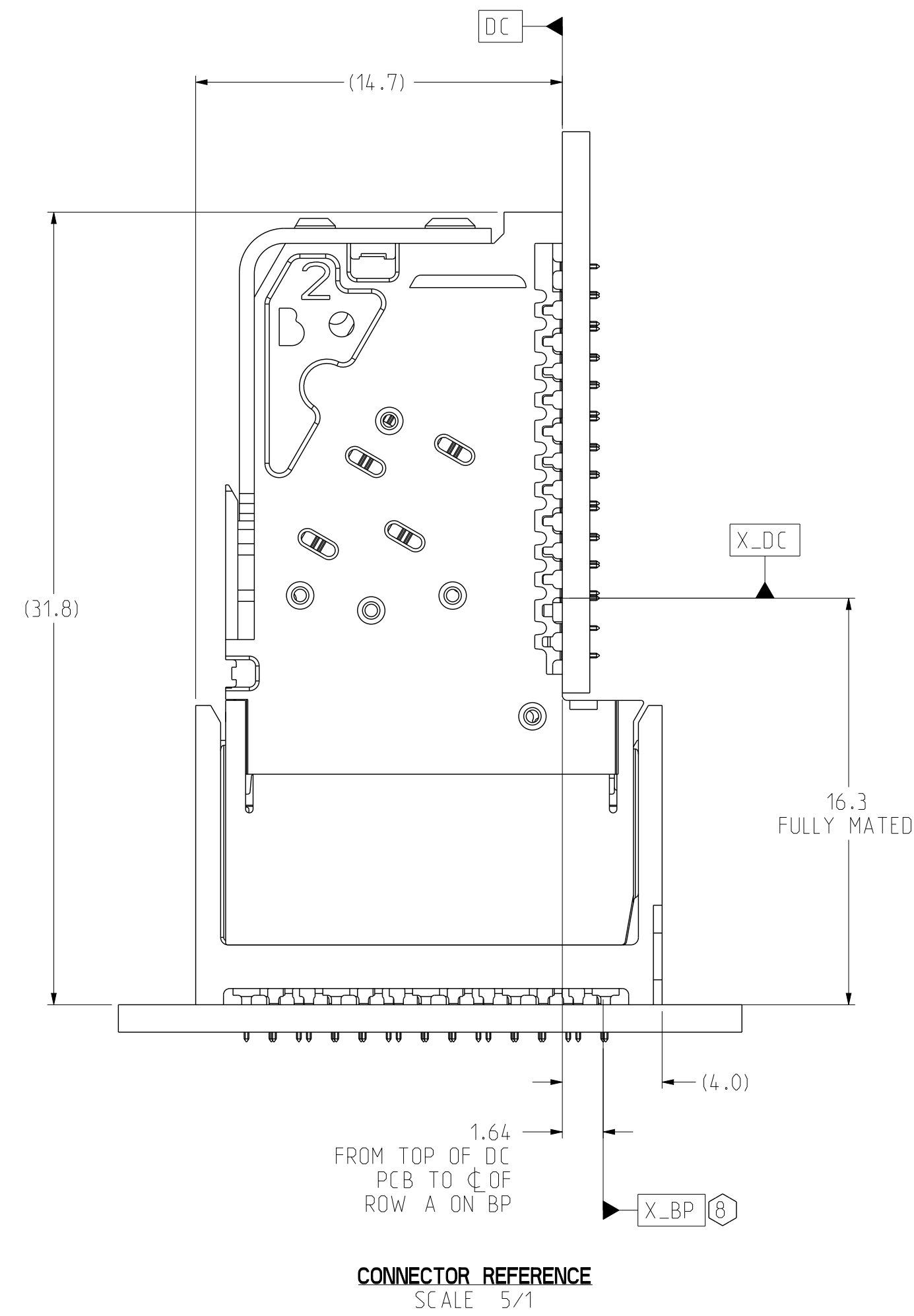


| TOLERANCES | DESIGN 02/19/2010 | Amphenol TCS | |
|---|-------------------|---|---------|
| 0.0 | \pm 0.25 | A Division of Amphenol Corporation | |
| 0.00 | \pm 0.13 | 200 Innovative Way, Nashua, NH 03062 603.879.3000 | |
| 0.000 | \pm - | TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCede HD, 4 PAIR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

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

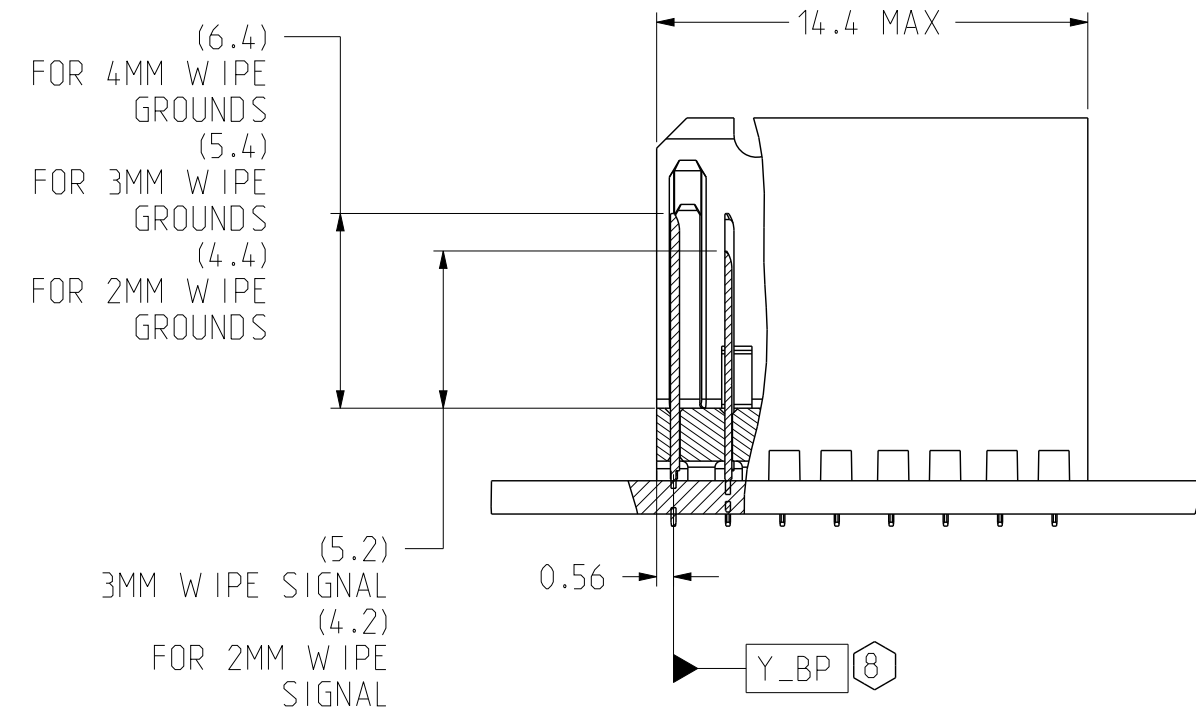


OPEN BACKPLANE MODULE DIMENSION

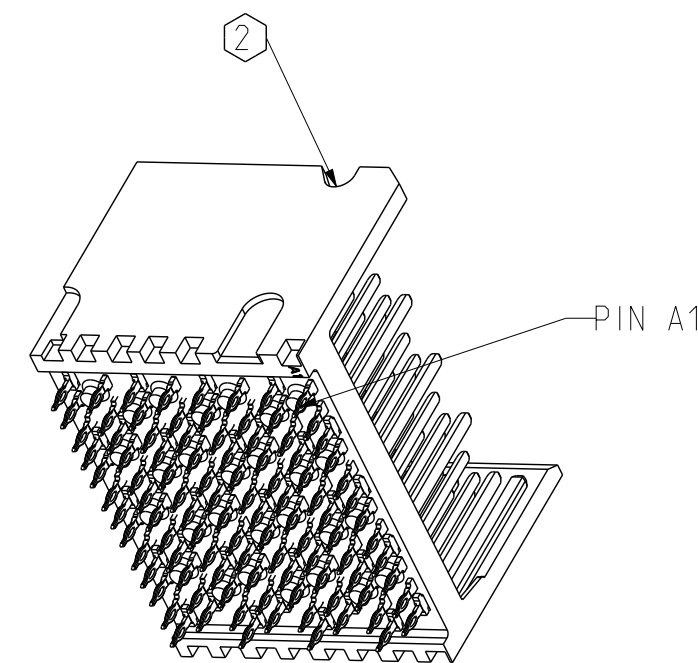
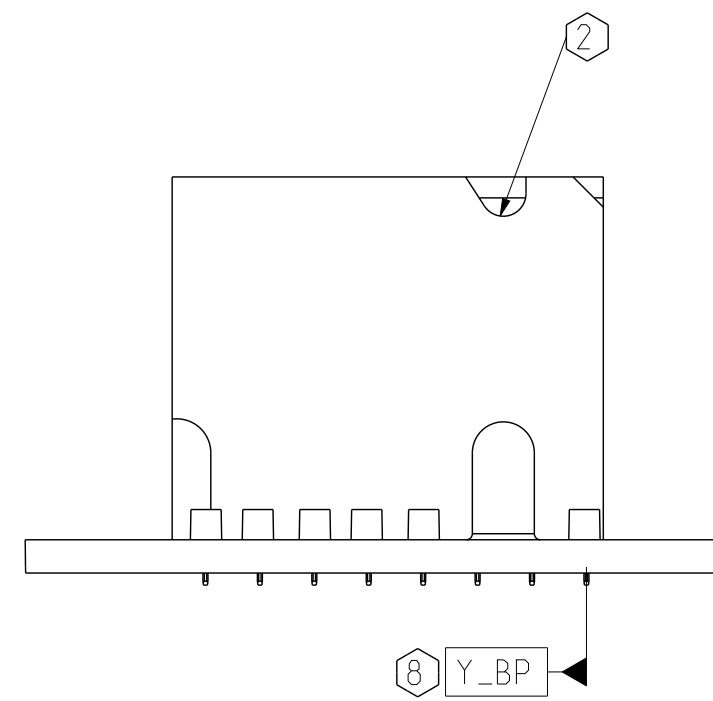
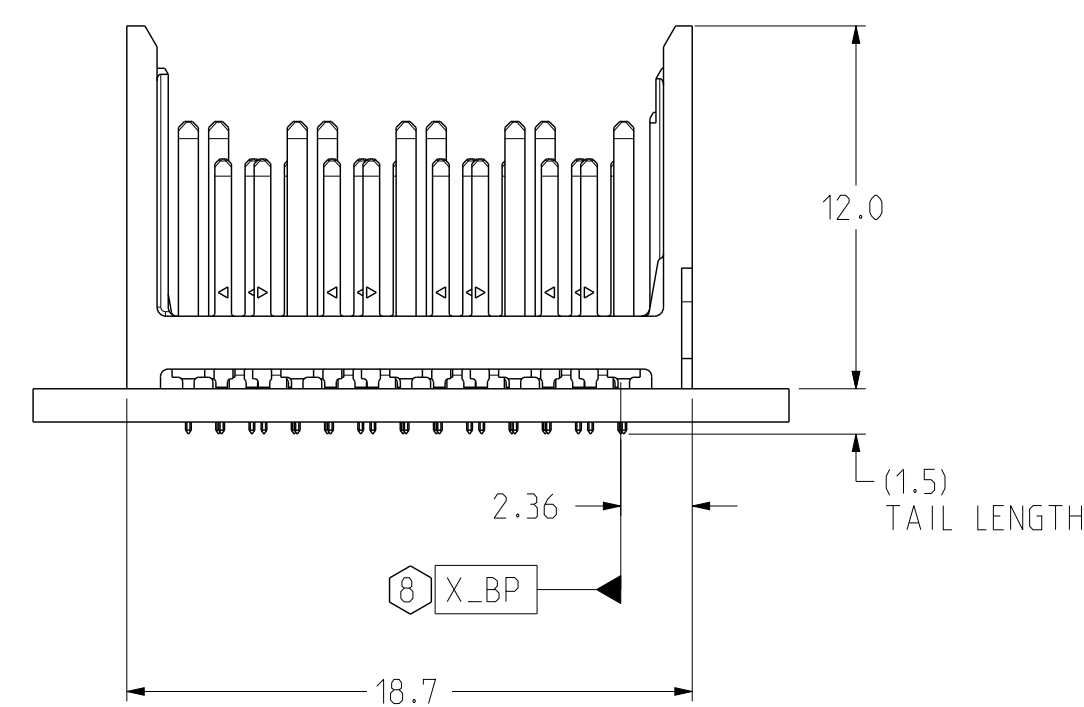


BP HOLE PATTERN
COMPONENT SIDE
SCALE 8/1

OPEN BACKPLANE FOOTPRINT



SECTION Z-Z



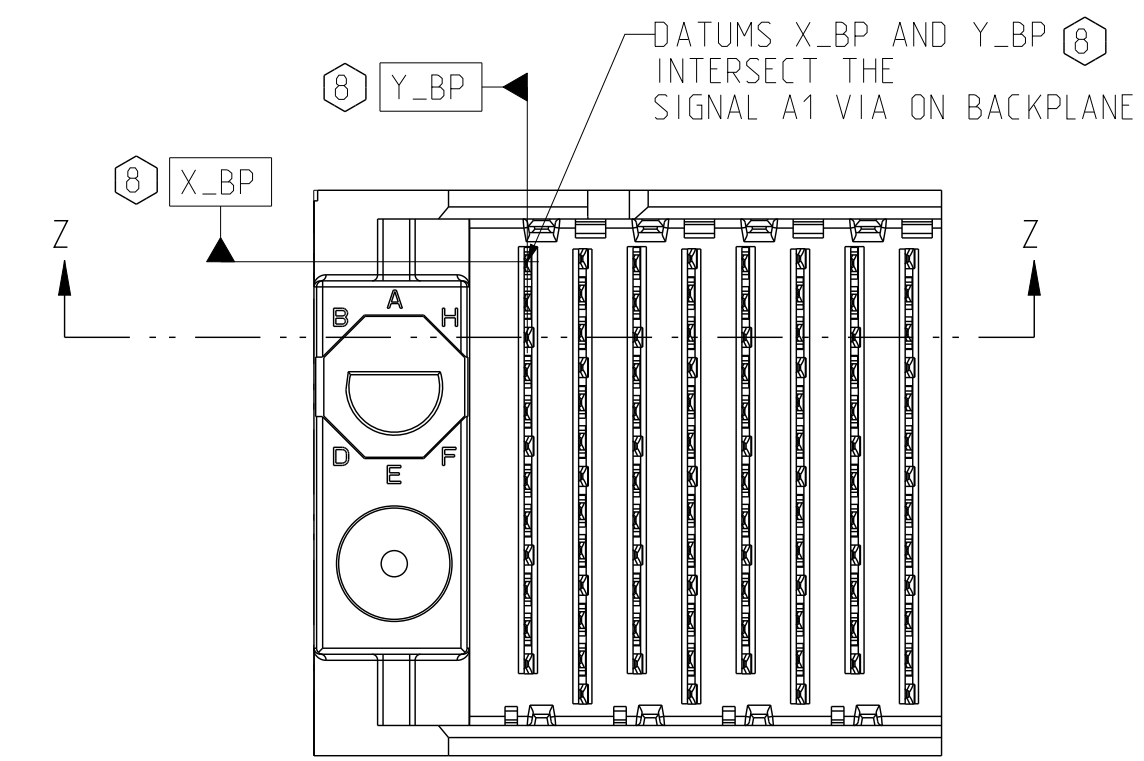
ISOMETRIC VIEW
SCALE 3/1

| | | | | | |
|---|-------|-------------------|---|-------|--------|
| TOLERANCES | | DESIGN 02/19/2010 | Amphenol TCS | | |
| 0.0 | ±0.25 | T.D.O | 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 | | |
| ANGLES | ± 3° | 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 |

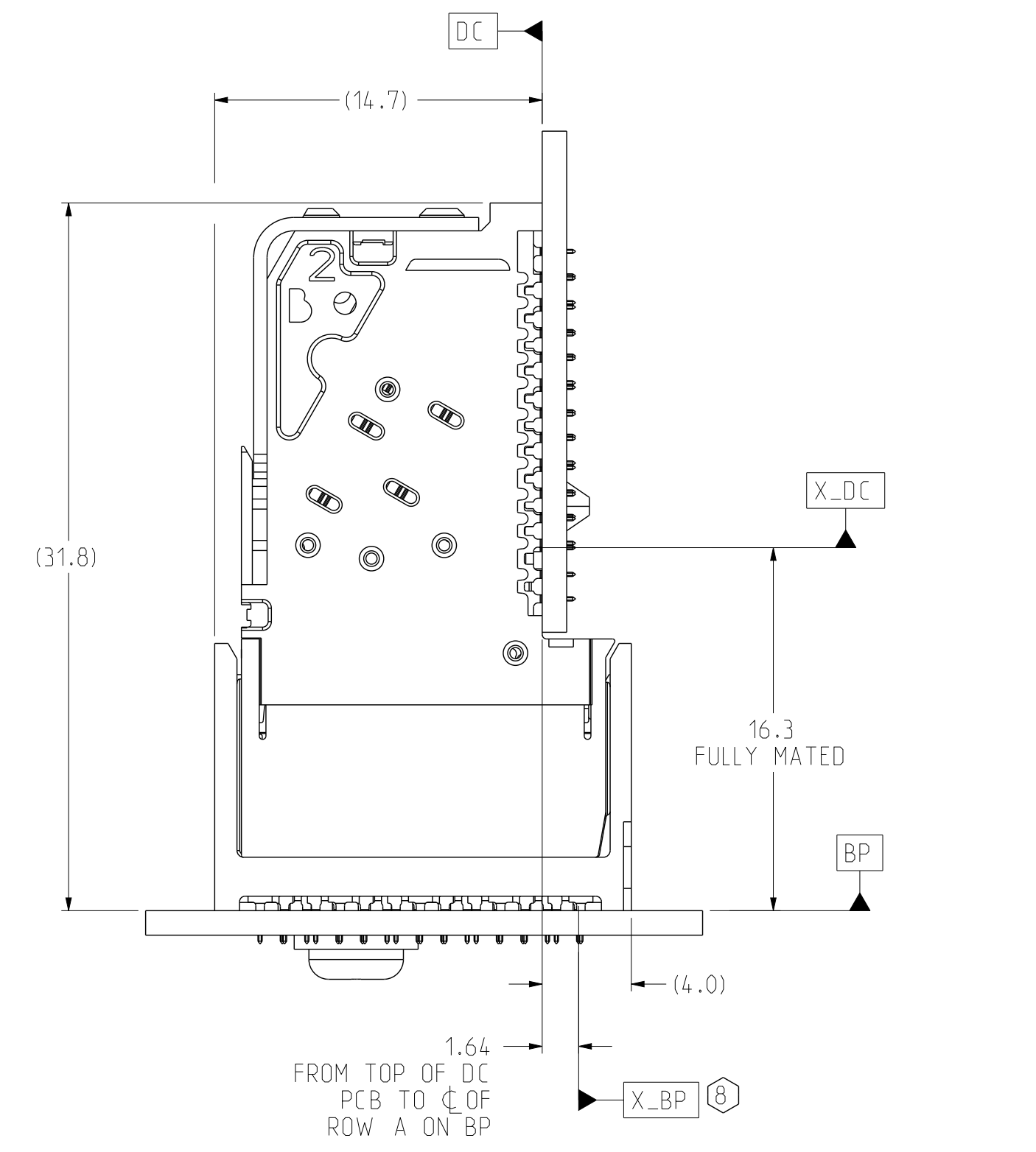
INTERPRET PER ASME Y14.5M
CODE IDENT 31413

CUSTOMER USE
DRAWING

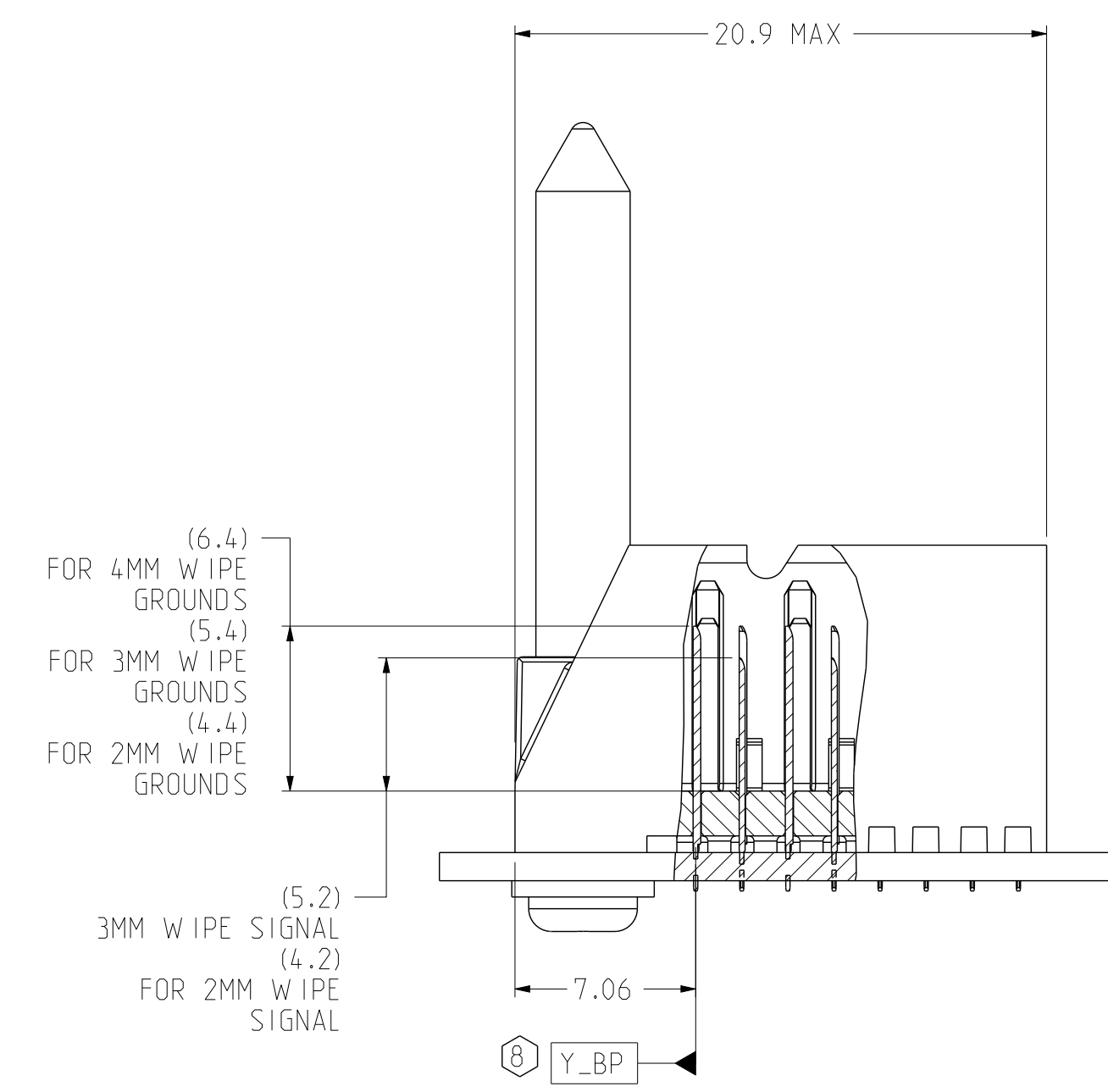
| ZONE | REV | ECN NUMBER | DESCRIPTION | BY | DATE | APPROVED |
|------|-----|------------|-------------|----|------|----------|
| | | | SEE SHEET 1 | | | |



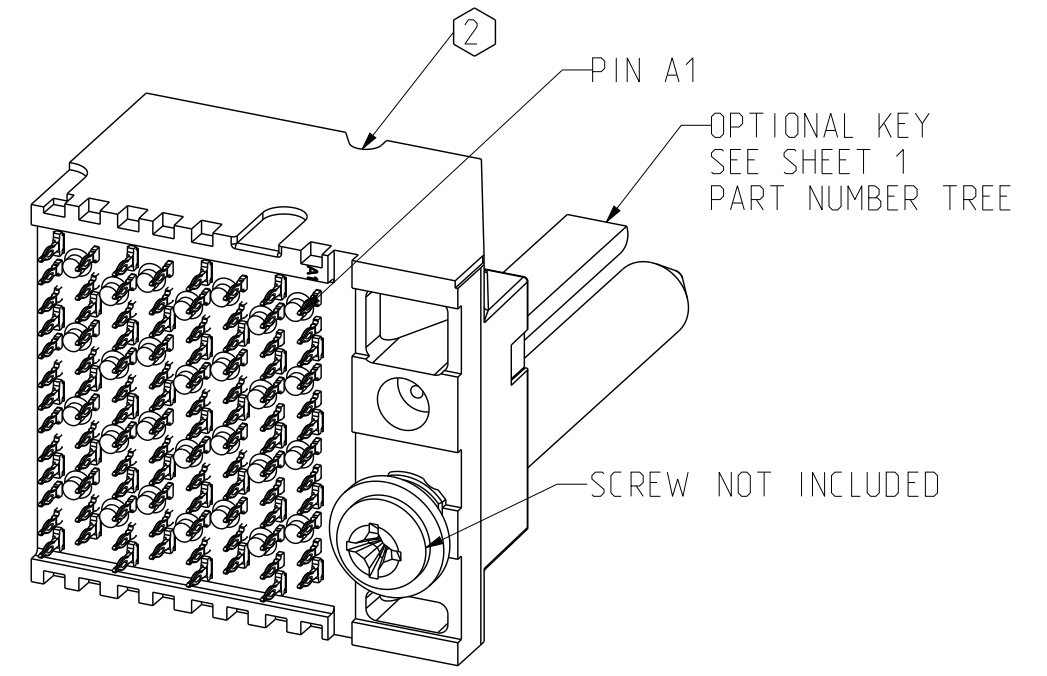
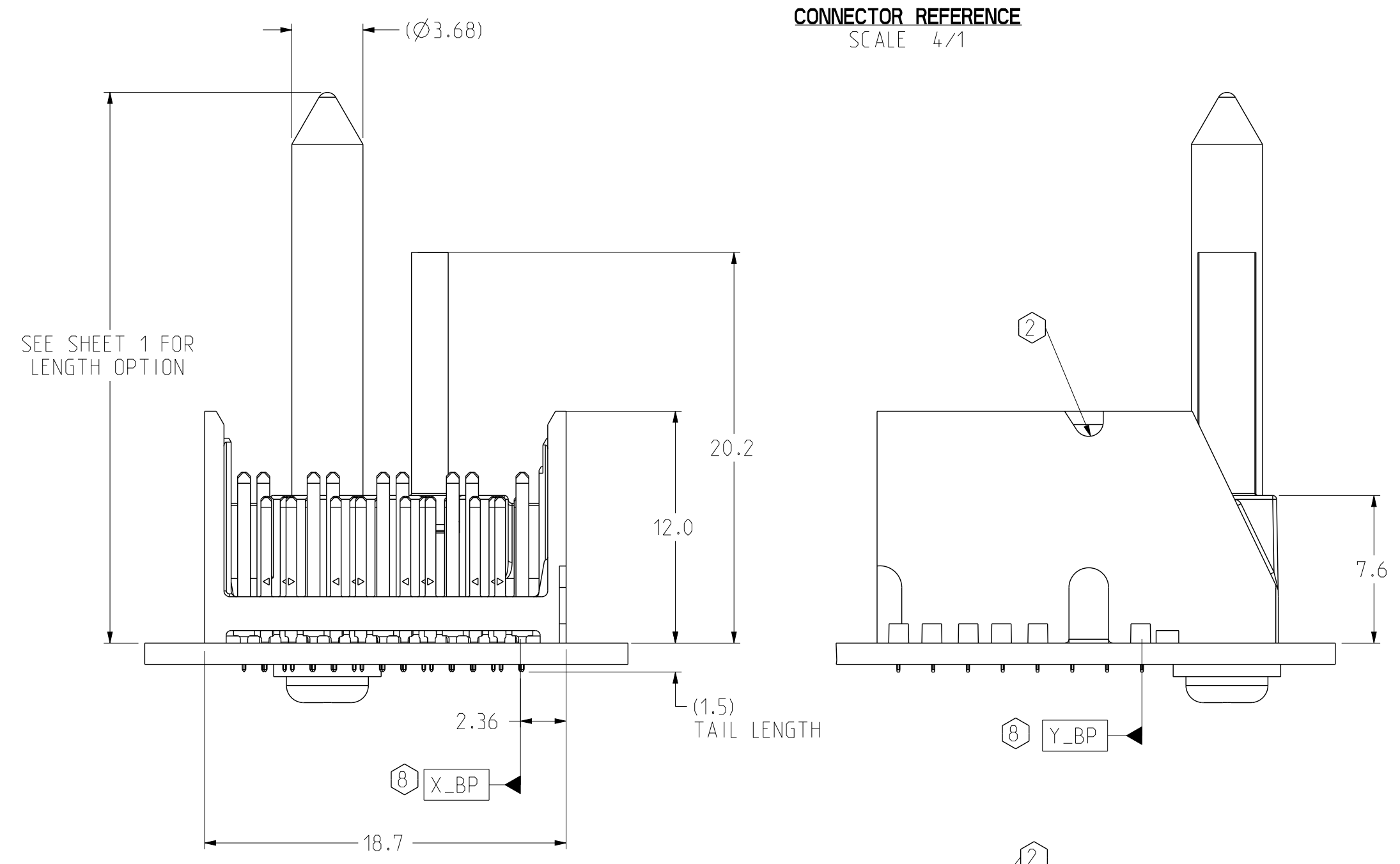
LEFT POLARIZING/GUIDE BACKPLANE MODULE DIMENSION



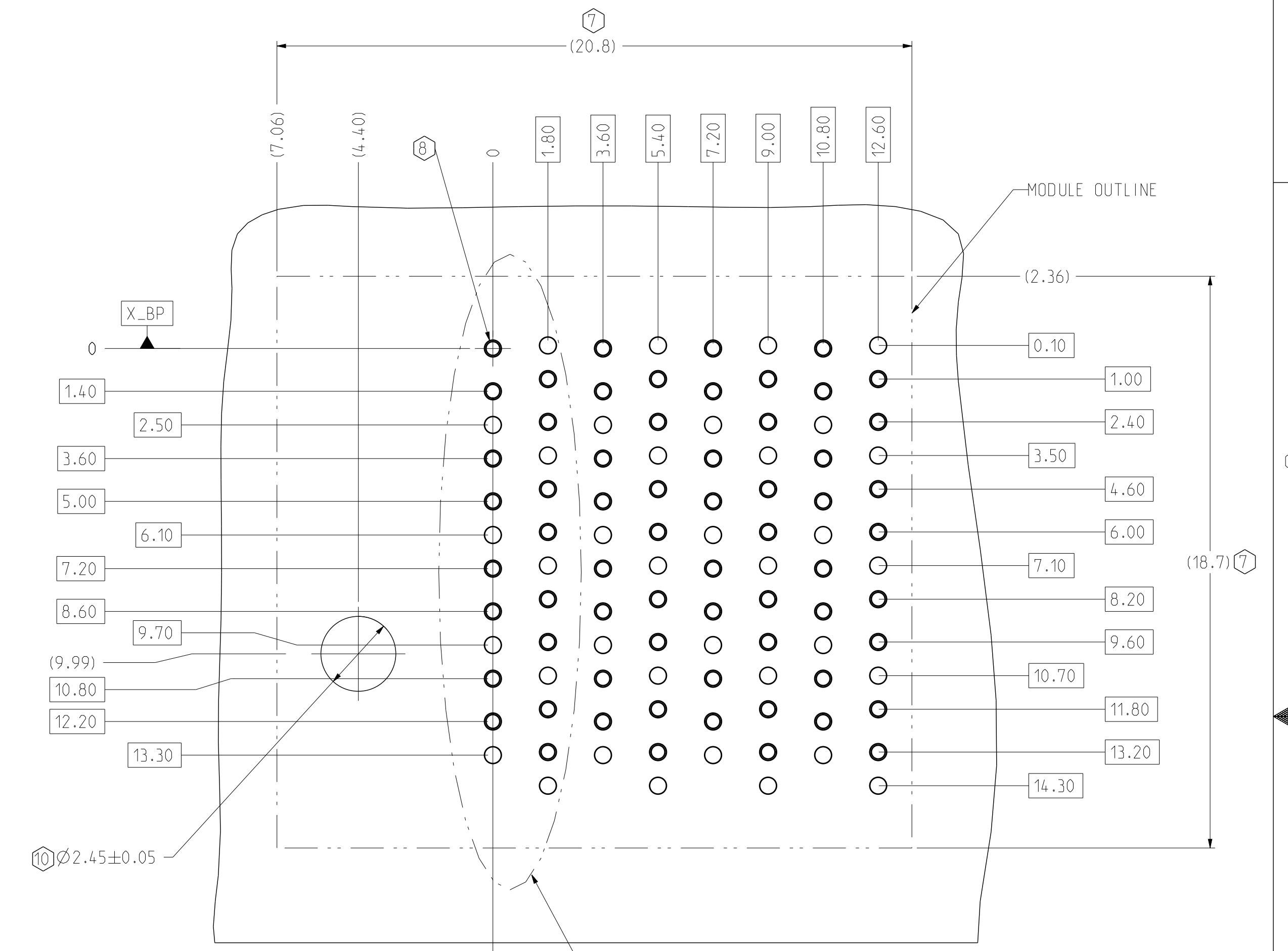
CONNECTOR REFERENCE SCALE 4/1



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 |
|------------|--------|------------|
| 0.0 | ±0.25 | T.DO |
| 0.00 | ±0.13 | HCL-RK |
| 0.000 | ± - | T.DO |
| ANGLES | ± 3° | APVD |

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 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

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

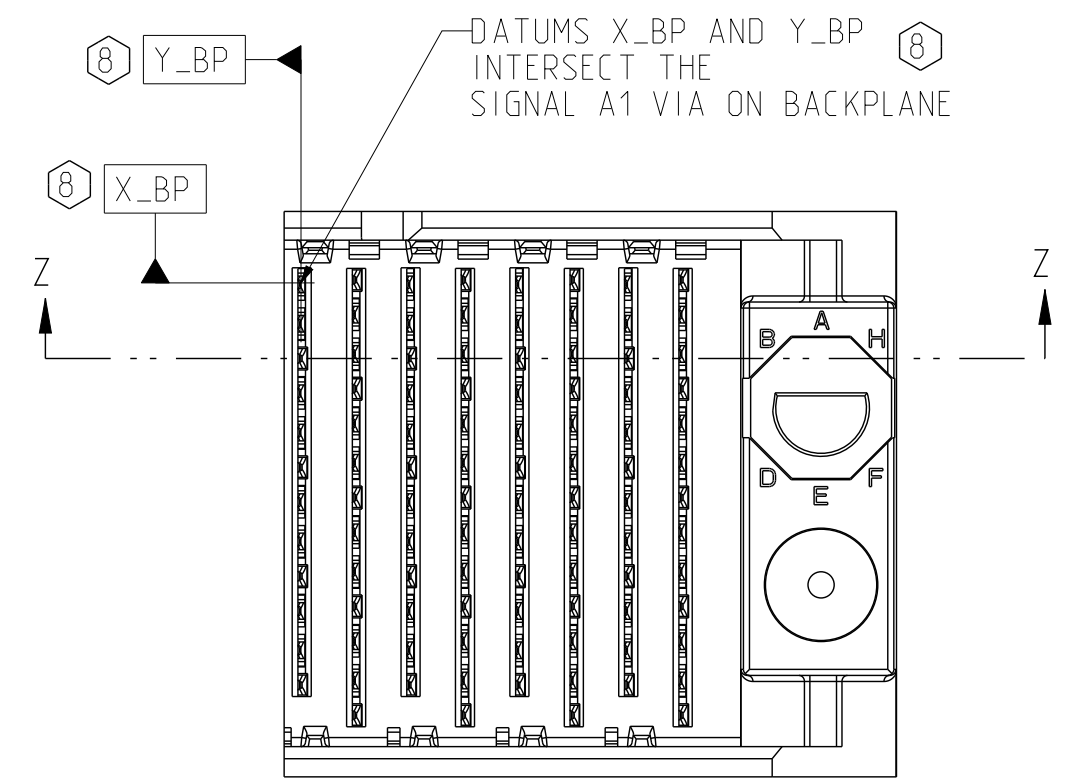
CUSTOMER USE DRAWING

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

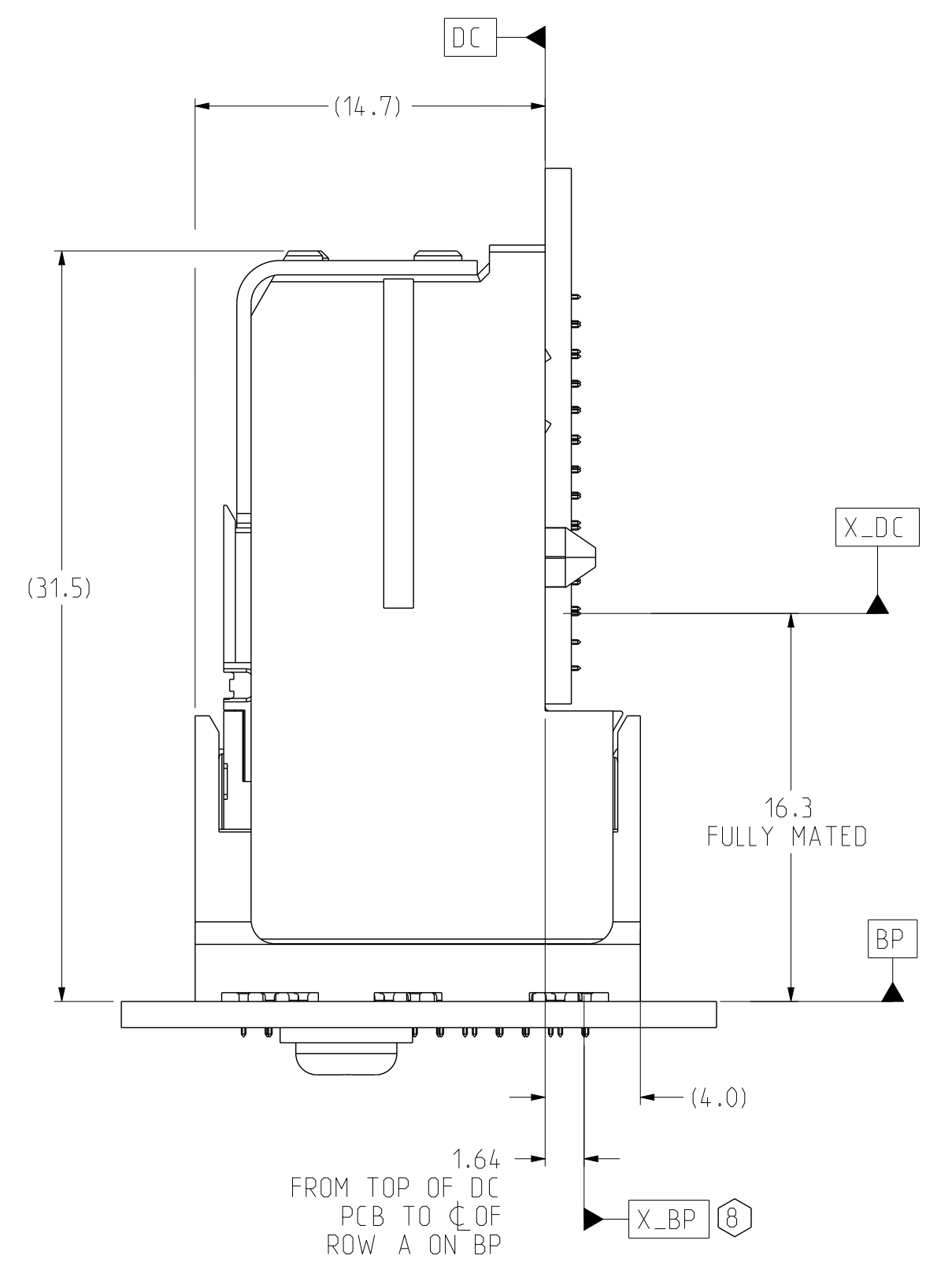
INTERPRET PER ASME Y14.5M
 CODE IDENT 31413

SIZE D SCALE 1/1 SHEET 3 OF 8

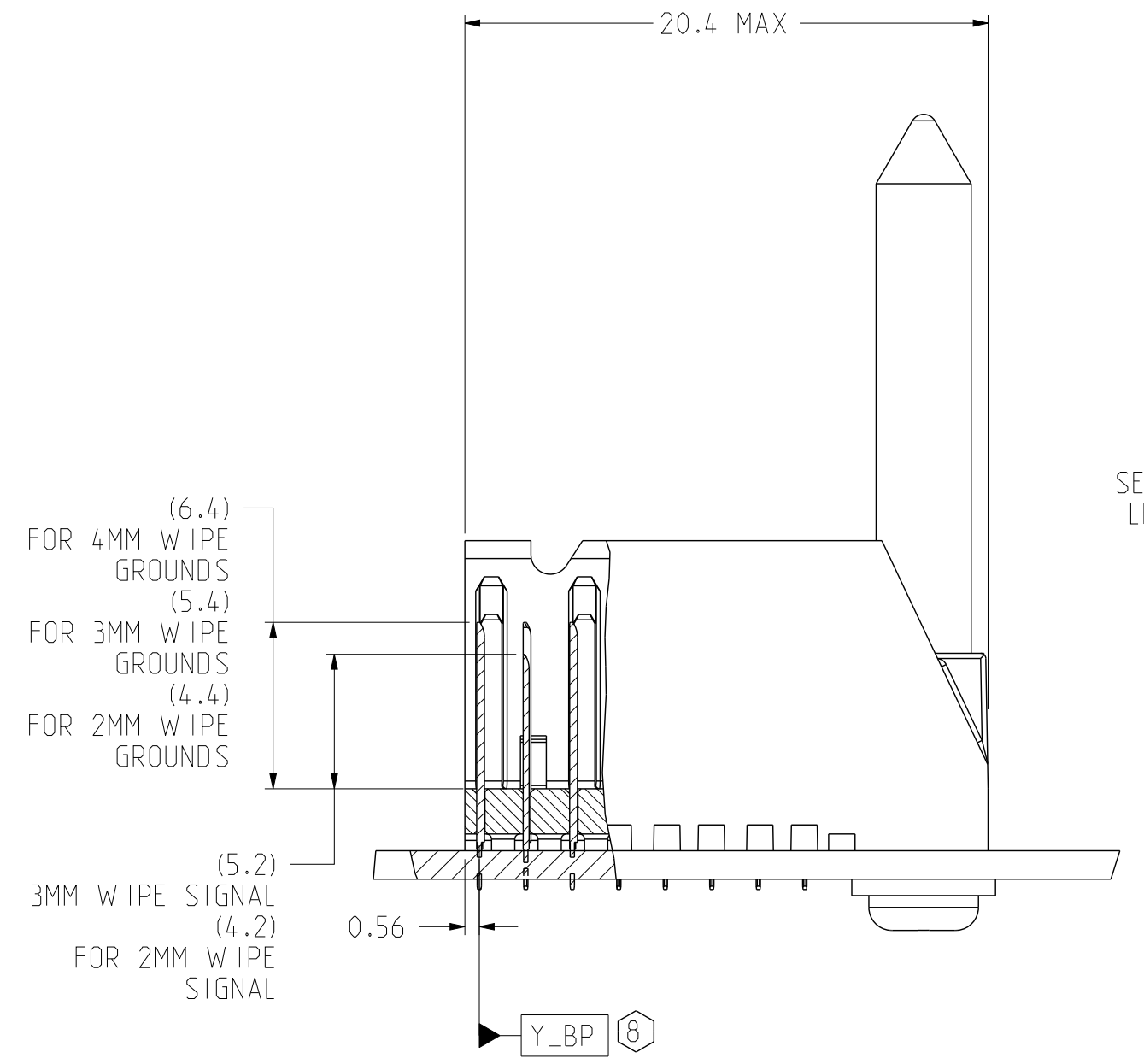
| | | | | | | |
|---------|----------------|------------|-------------|-----|------|----------|
| DRW NO. | C-923-400E-500 | SH | 4 | REV | M | |
| ZONE | REV | ECN NUMBER | DESCRIPTION | BY | DATE | APPROVED |
| | | | SEE SHEET 1 | | | |



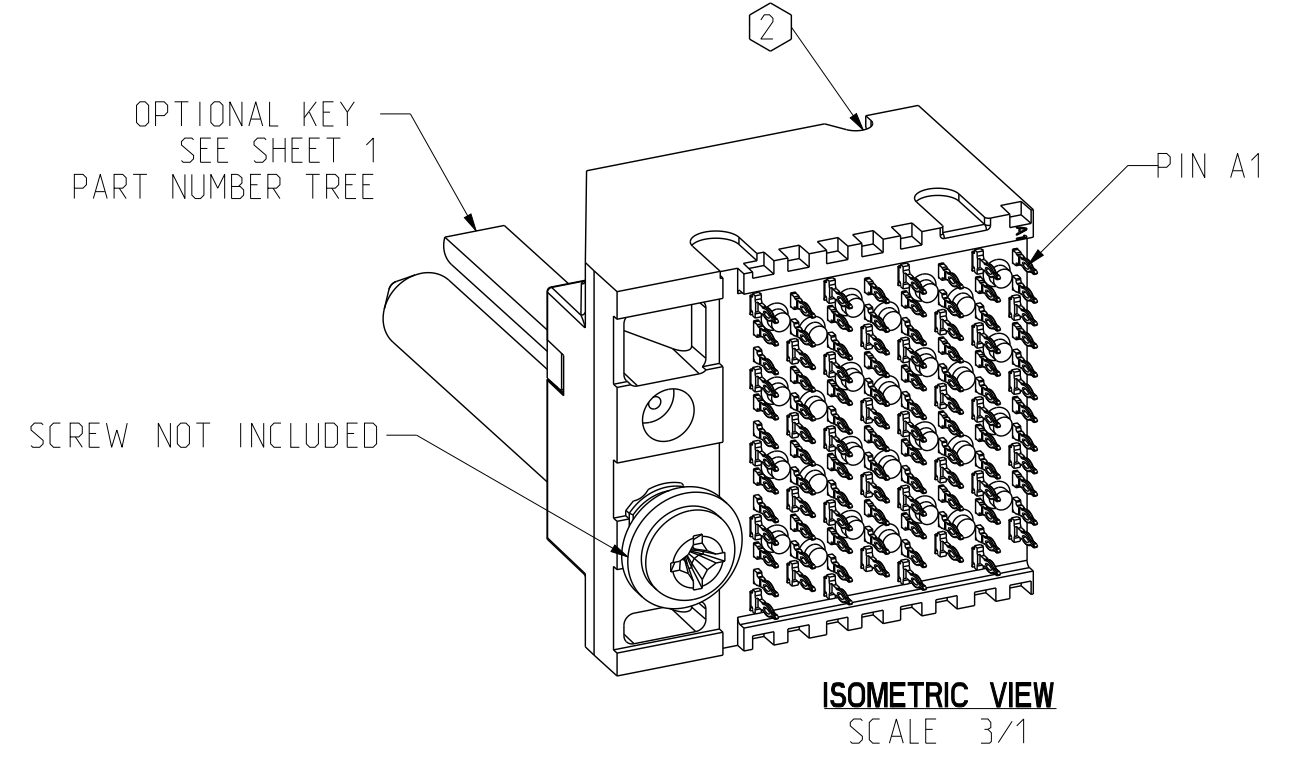
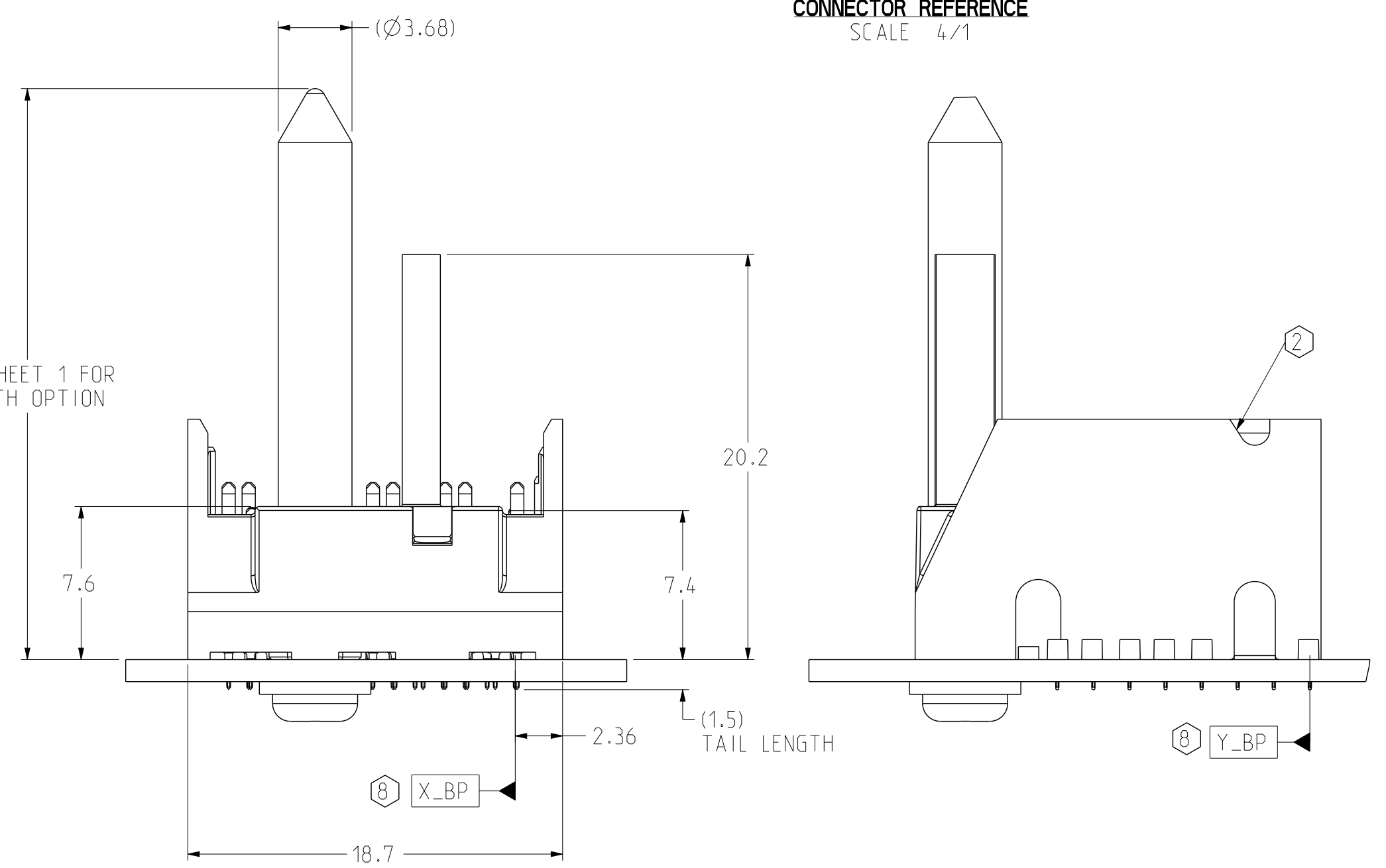
RIGHT POLARIZING/GUIDE BACKPLANE MODULE DIMENSION



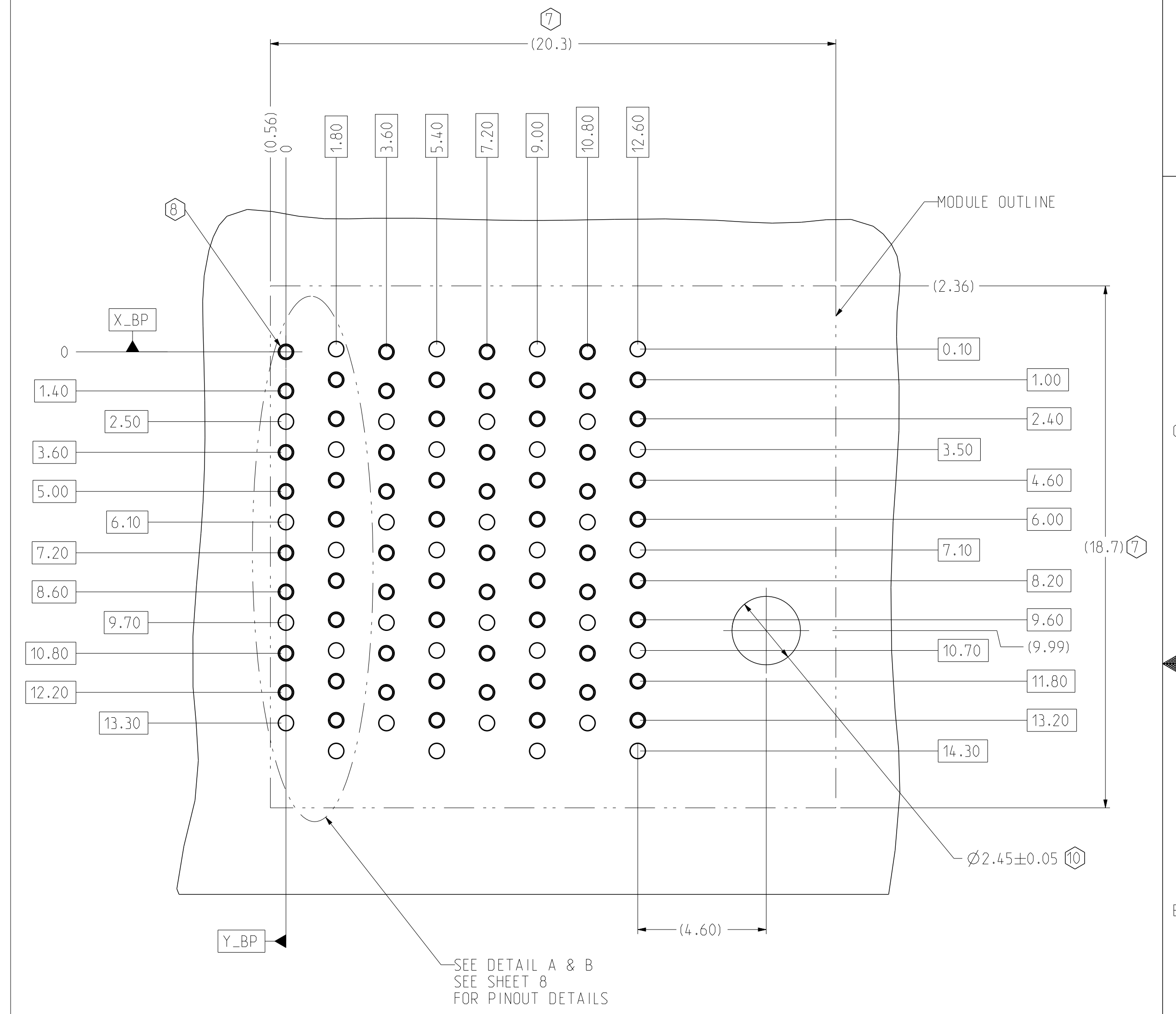
CONNECTOR REFERENCE
SCALE 4/1



SECTION Z-Z



ISOMETRIC VIEW
SCALE 3/1



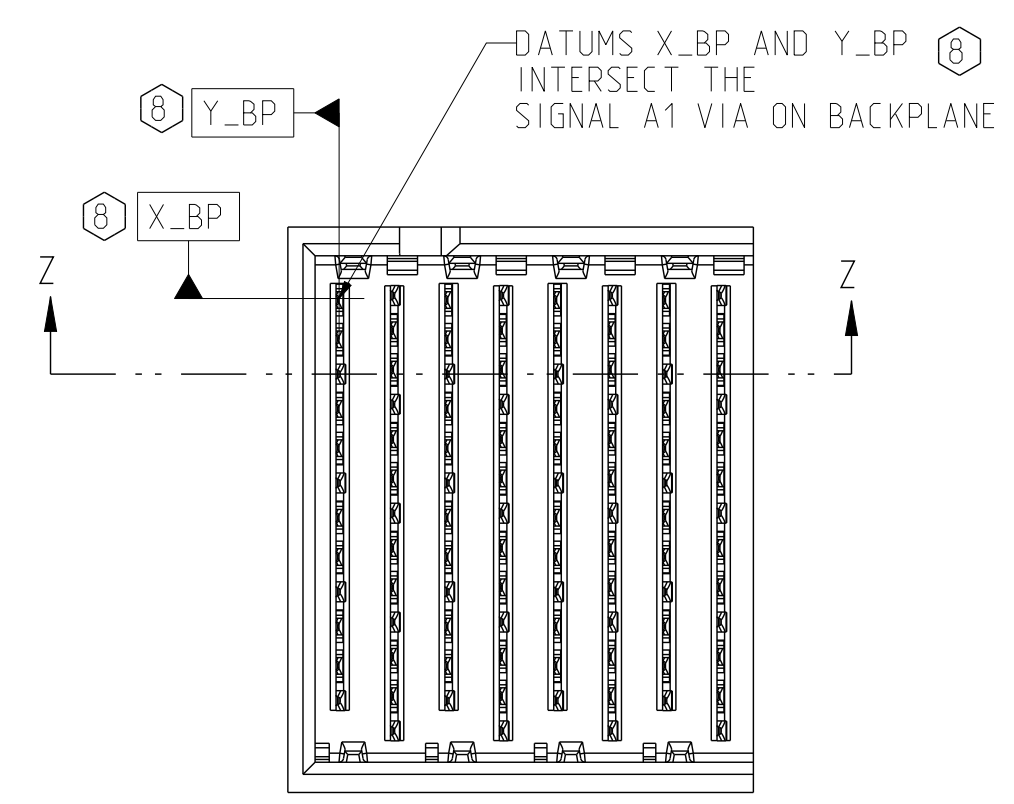
BP HOLE PATTERN
COMPONENT SIDE
SCALE 8/1

RIGHT POLARIZING/GUIDE BACKPLANE FOOTPRINT

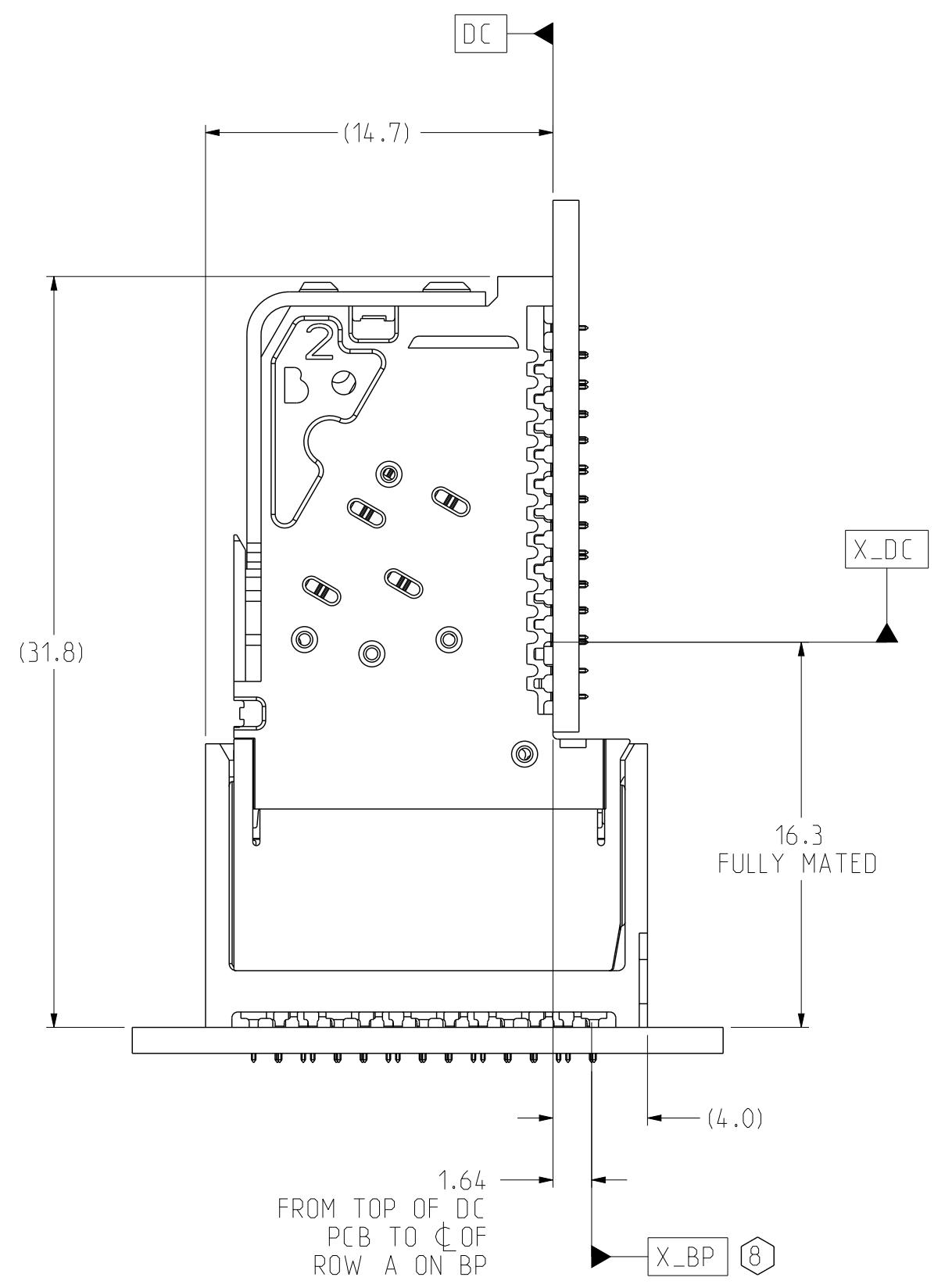
| | | | |
|---|-------------------|---|----------|
| TOLERANCES | DESIGN 02/19/2010 | Amphenol TCS | |
| 0.0 ±0.25 | T.DO | A Division of Amphenol Corporation | |
| 0.00 ±0.13 | DRAWN 02/19/2010 | 200 Innovative Way, Nashua, NH 03062 603.879.3000 | |
| 0.000 ± - | CHK 02/19/2010 | TITLE | |
| ANGLES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

INTERPRET PER ASME Y14.5M
CODE IDENT 31413

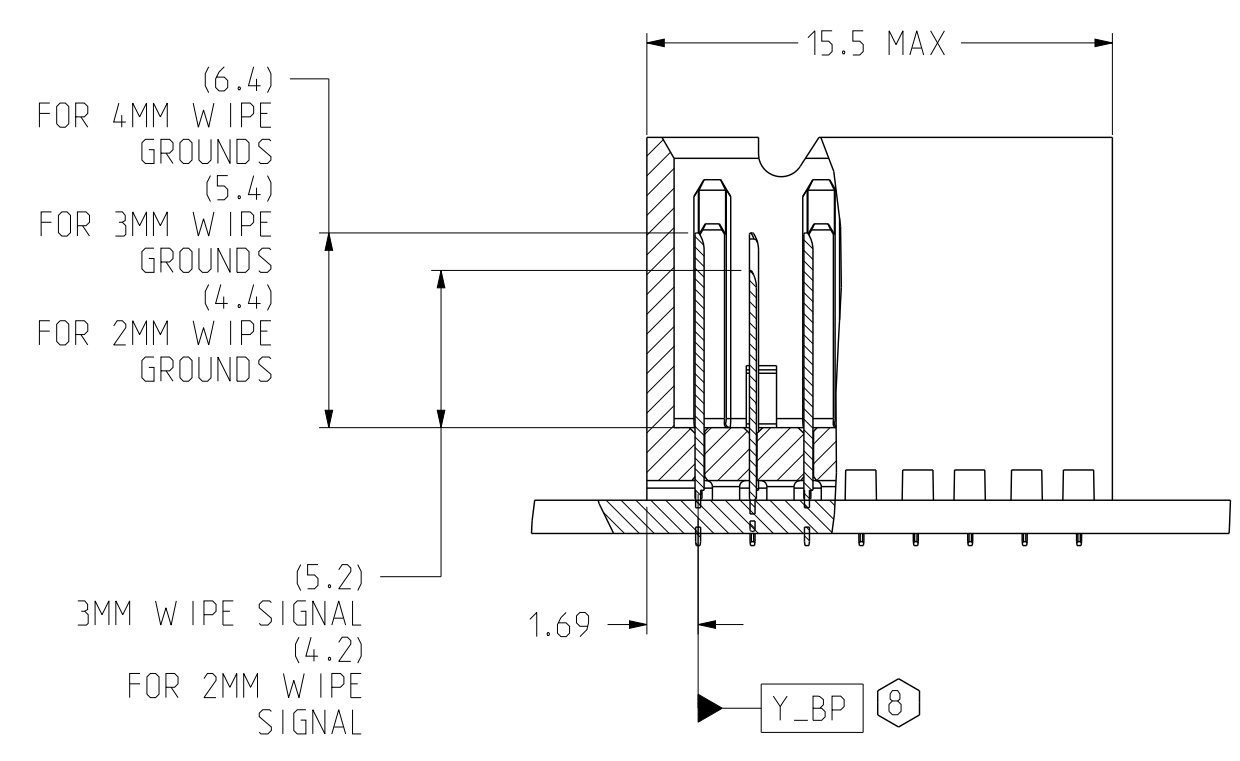
| ZONE | REV | ECN NUMBER | DESCRIPTION | BY | DATE | APPROVED |
|------|-----|------------|-------------|----|------|----------|
| | | | SEE SHEET 1 | | | |



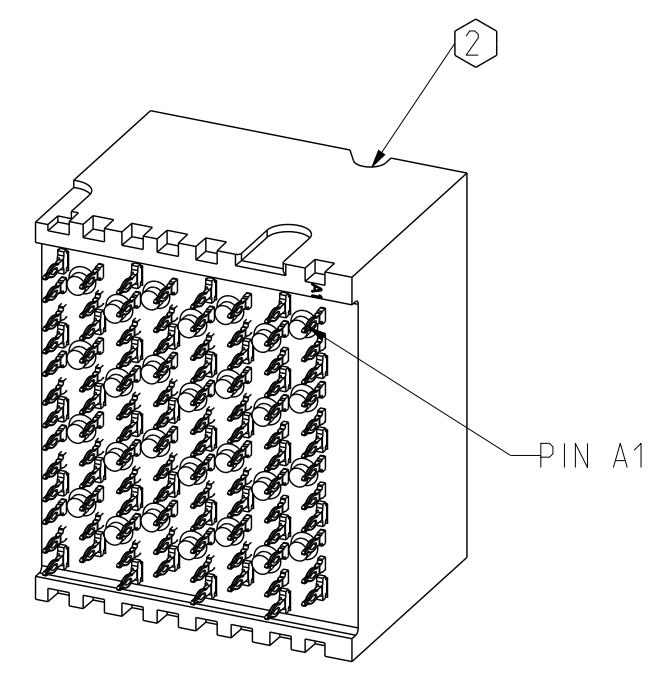
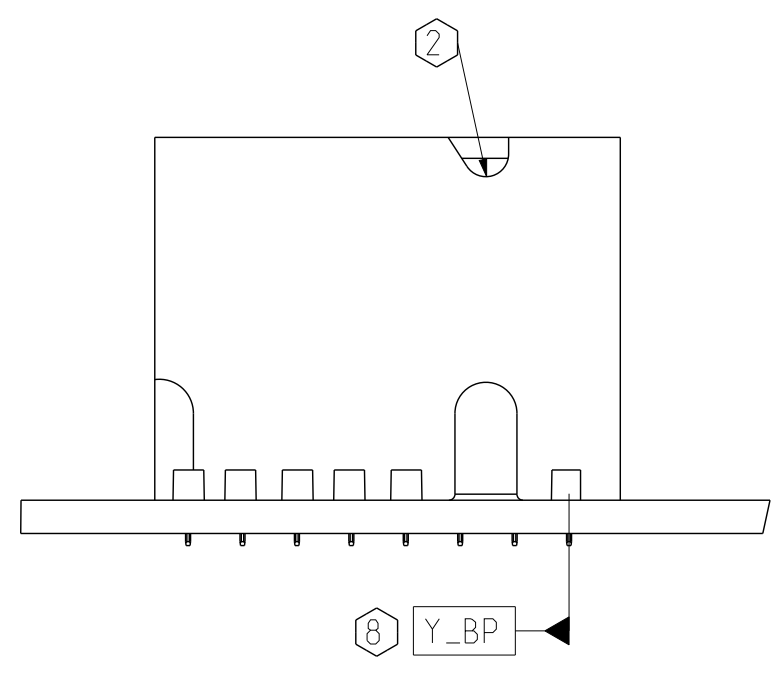
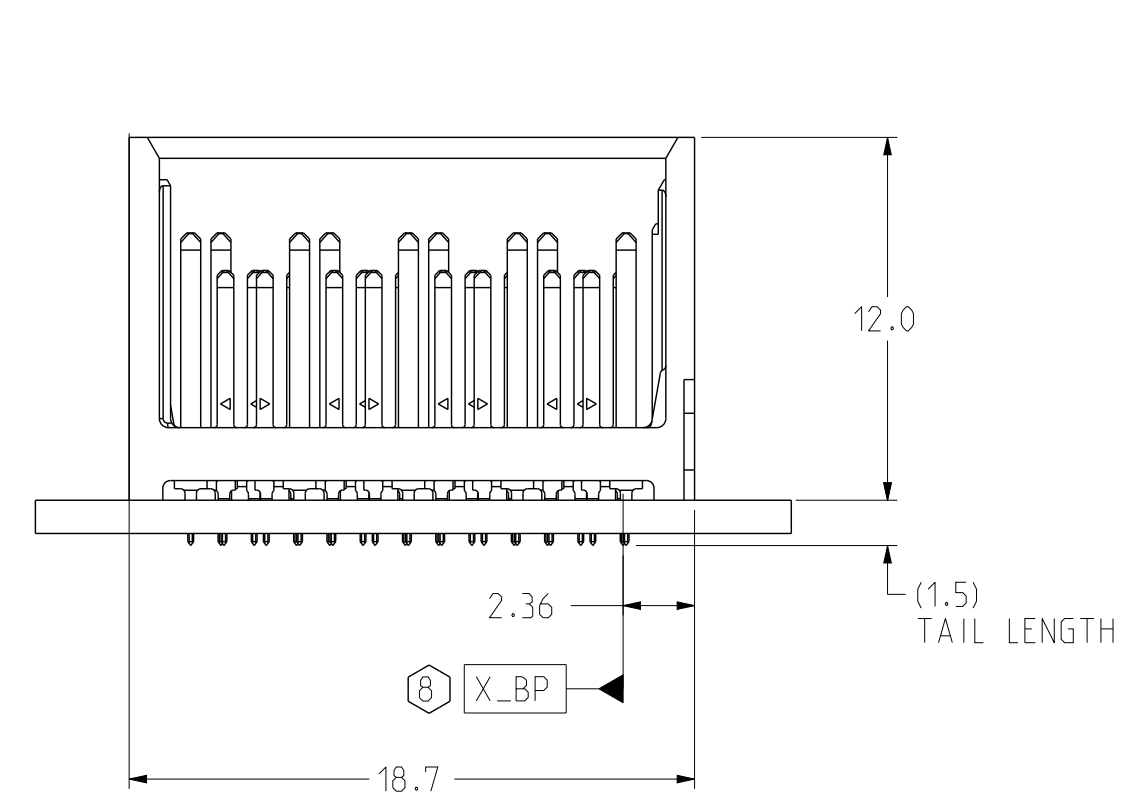
LEFT WALL BACKPLANE MODULE DIMENSION



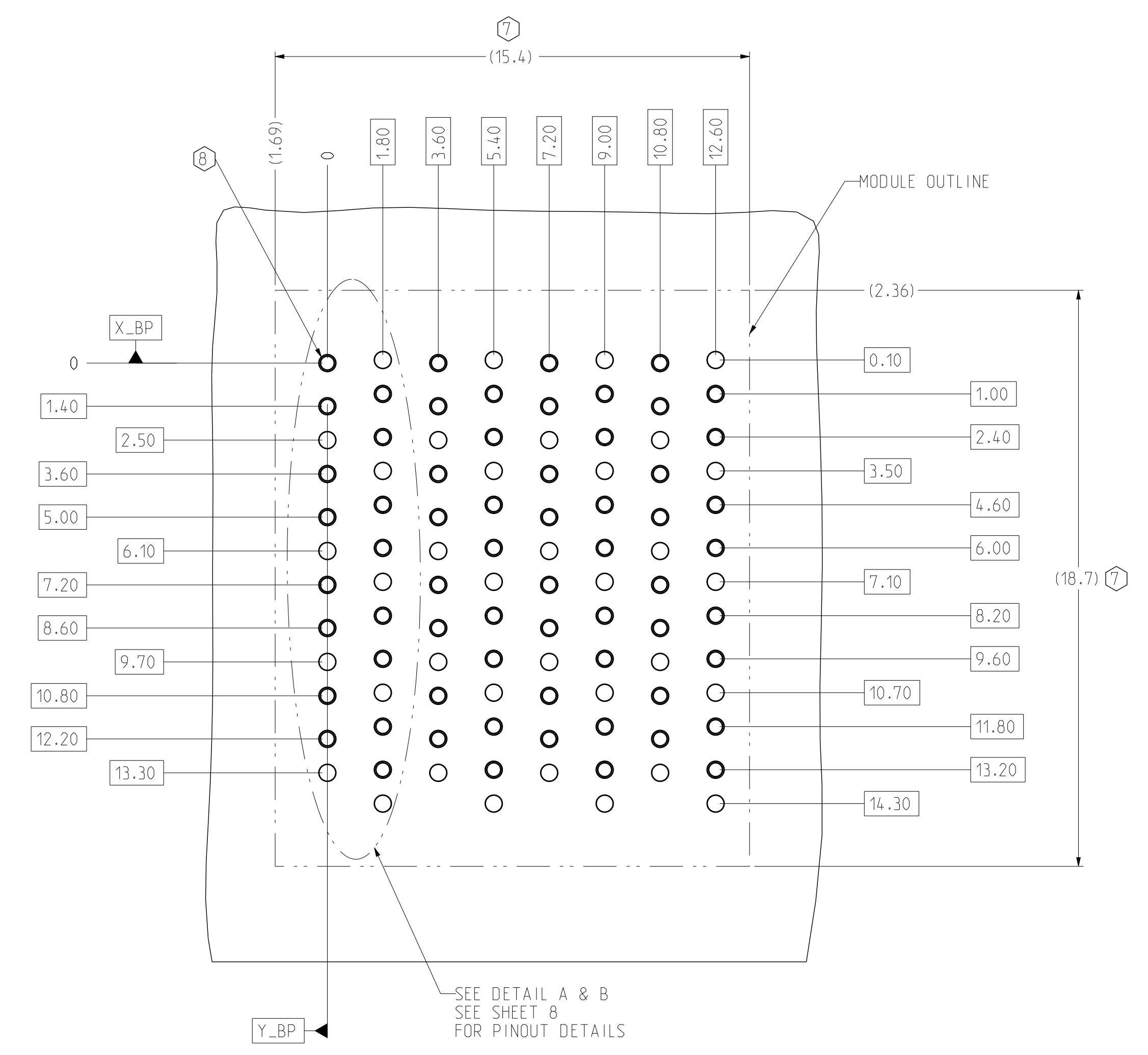
CONNECTOR REFERENCE SCALE 4/1



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 | HCL-RK |
| 0.00 | ± 0.13 | T.D.O |
| 0.000 | \pm | T.D.O |
| ANGLES | $\pm 3^\circ$ | T.D.O |

| | |
|---|---|
| Amphenol TCS | |
| A Division of Amphenol Corporation | |
| 200 Innovative Way, Nashua, NH 03082 603.879.3000 | |
| TITLE | BACKPLANE MODULES, VERTICAL MALE HEADER XCode HD, 4 PAIR 8 POSITION |
| PART NO. | SEE PN TREE SHEET 1 |
| REV | N/A |
| DRAWING NO. | C-923-400E-500 |
| ASSEM | C923-400E-500 |
| DRAWING | C923-400E-500 |
| REV | M |
| SCALE | 1/1 |
| SHEET | 5 OF 8 |

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

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

CUSTOMER USE DRAWING

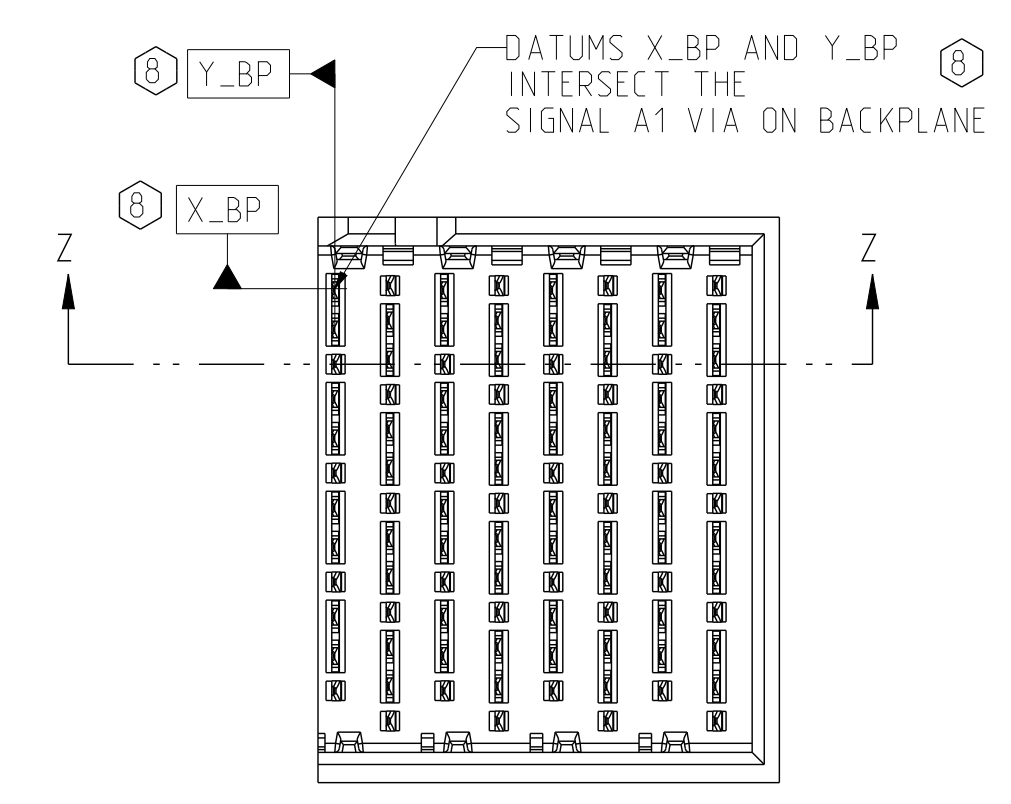
ASSEMBLY NO. C-923-400E-500

REV M

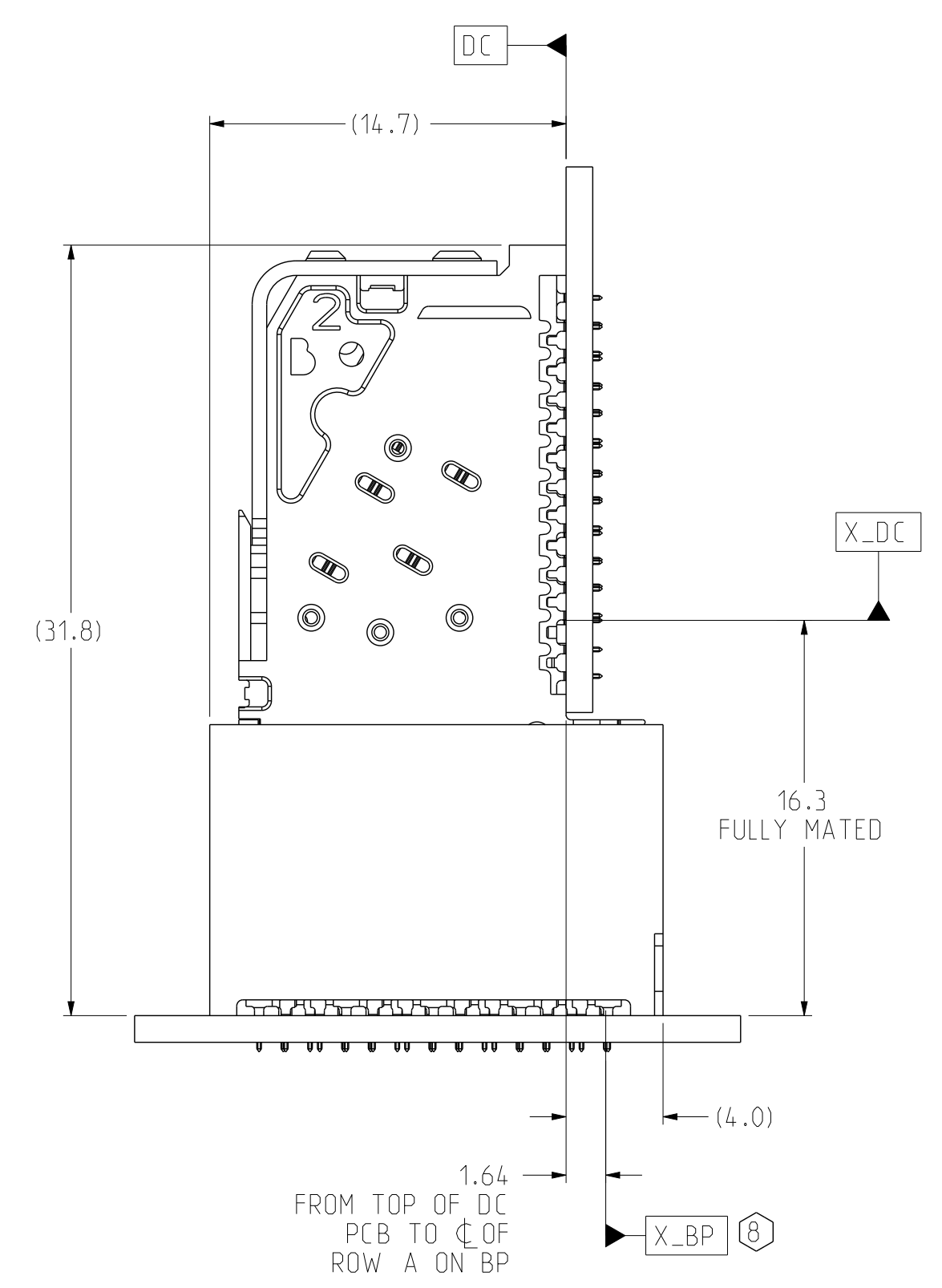
SCALE 1/1

SHEET 5 OF 8

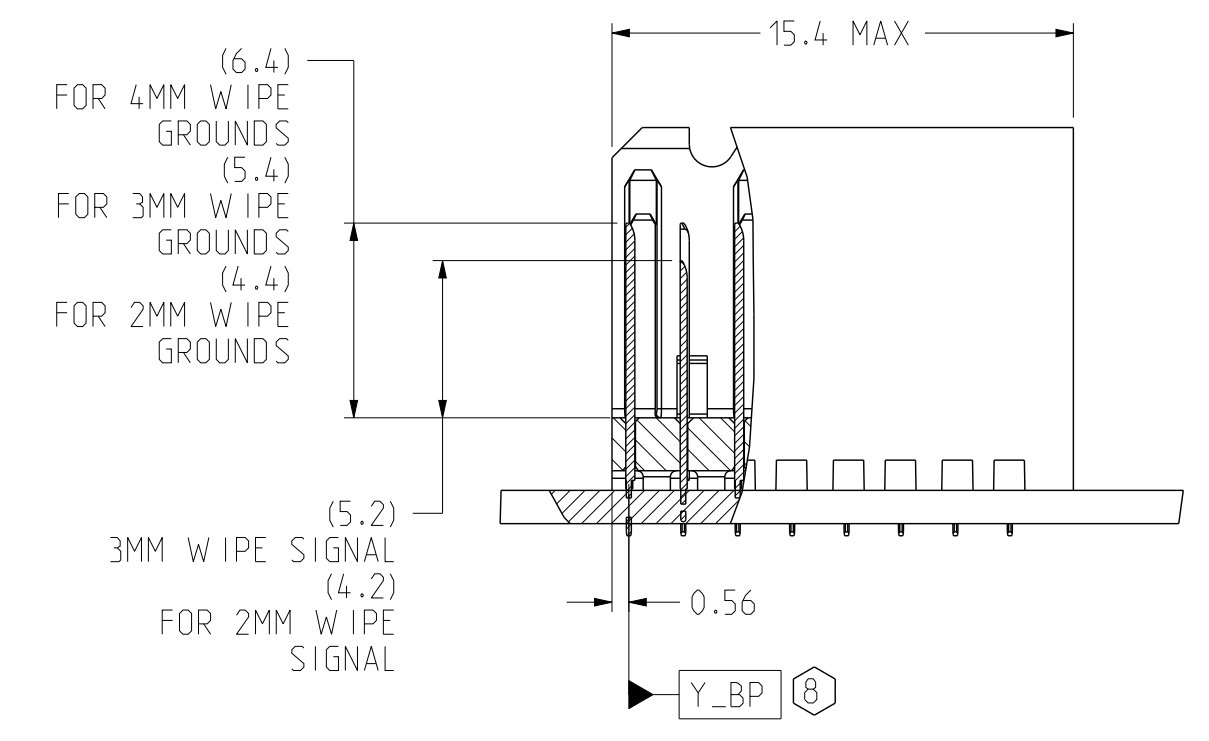
| ZONE | REV | ECN NUMBER | DESCRIPTION | BY | DATE | APPROVED |
|------|-----|------------|-------------|----|------|----------|
| | | | SEE SHEET 1 | | | |



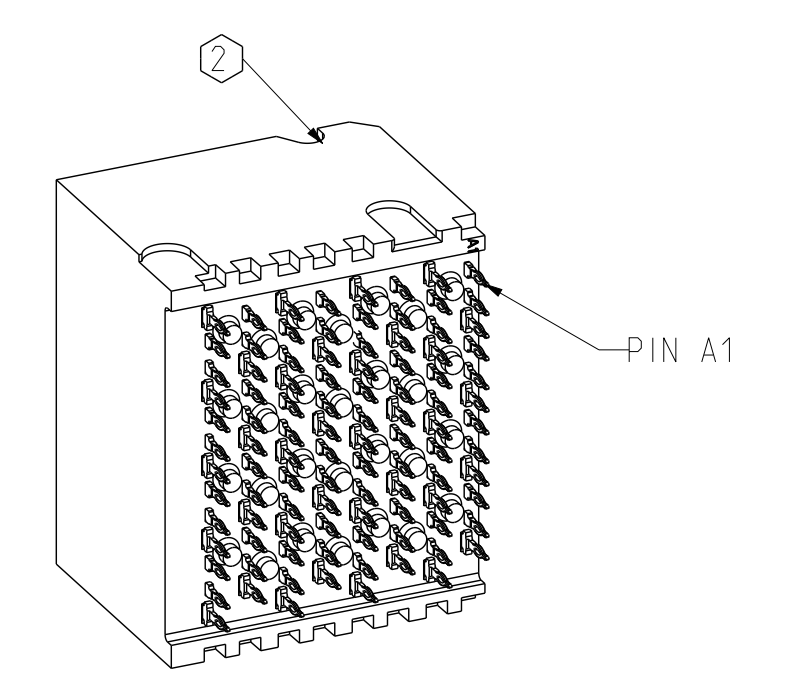
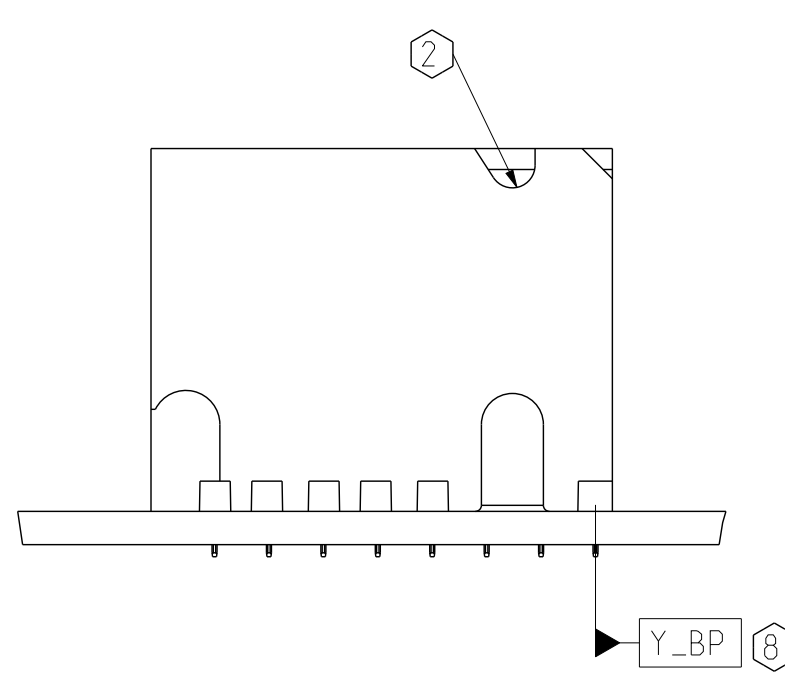
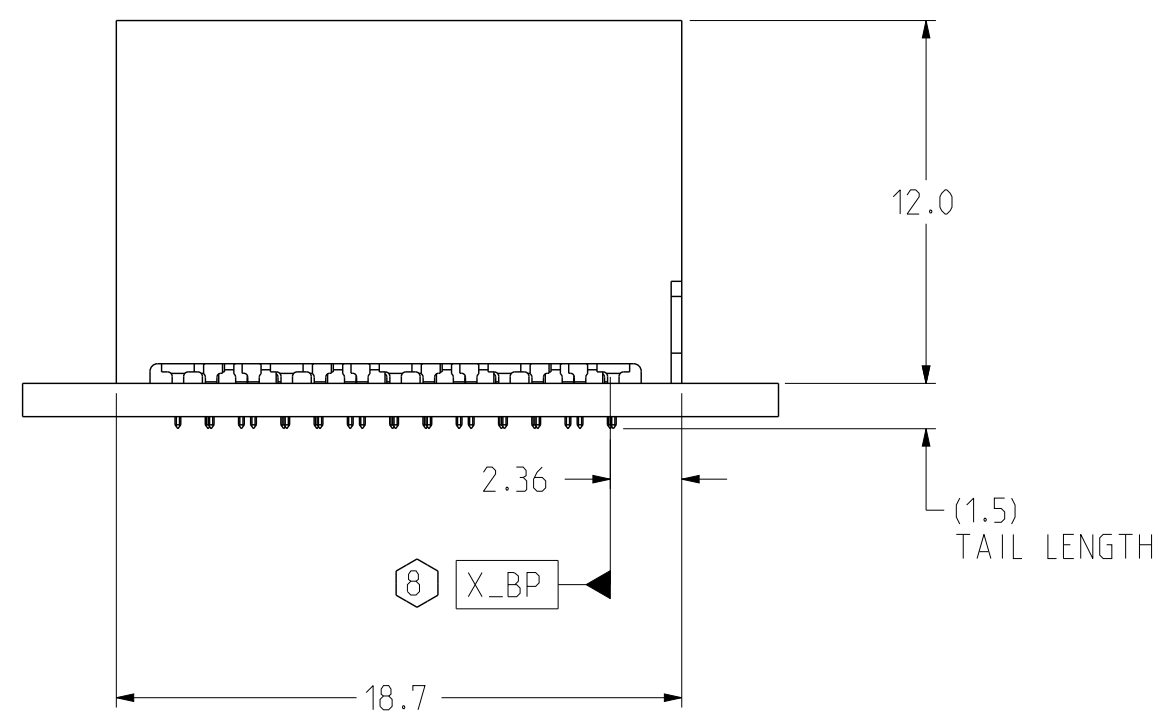
RIGHT WALL BACKPLANE MODULE DIMENSION



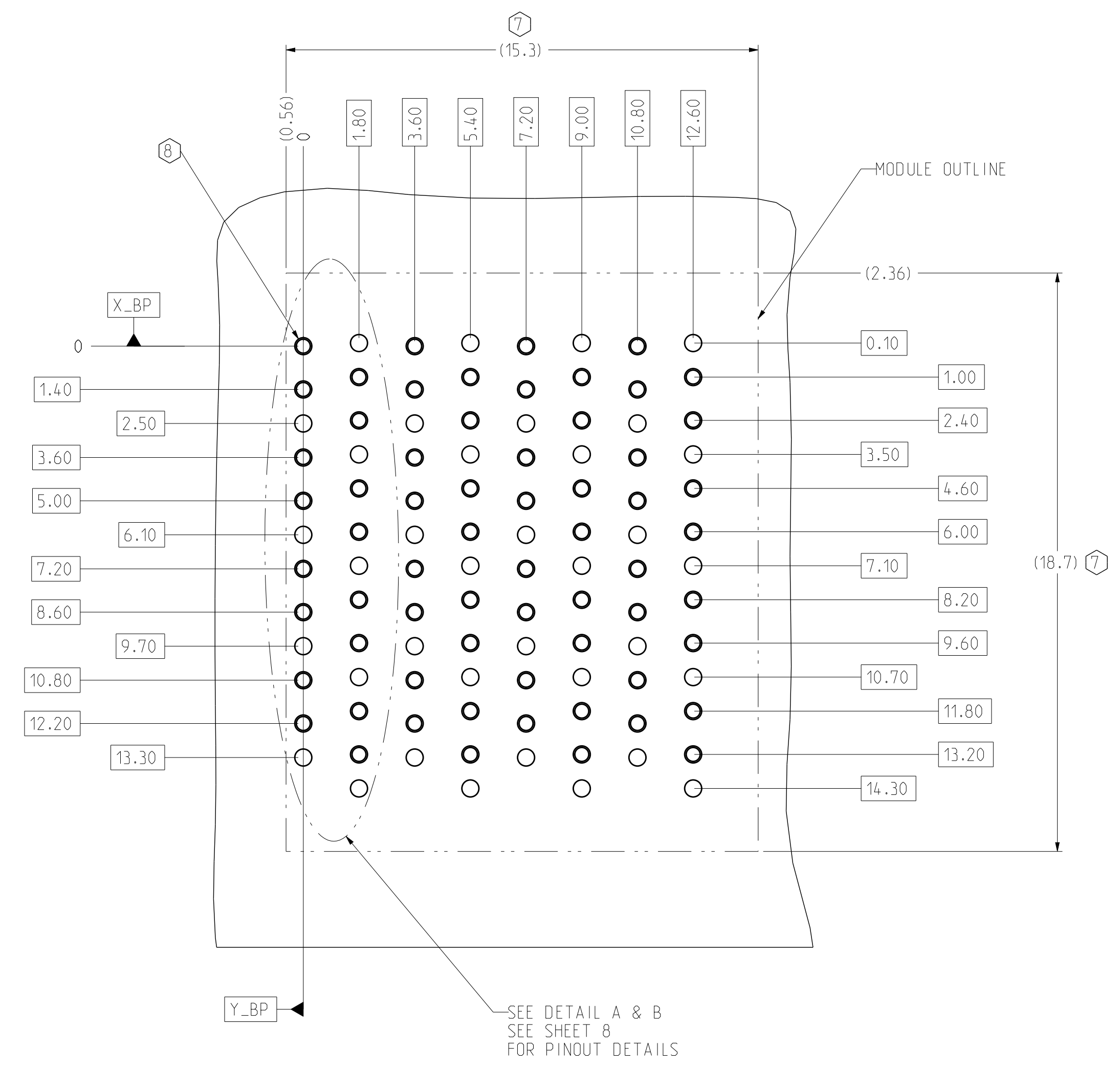
CONNECTOR REFERENCE
SCALE 4/1



SECTION Z-Z



ISOMETRIC VIEW
SCALE 3/1

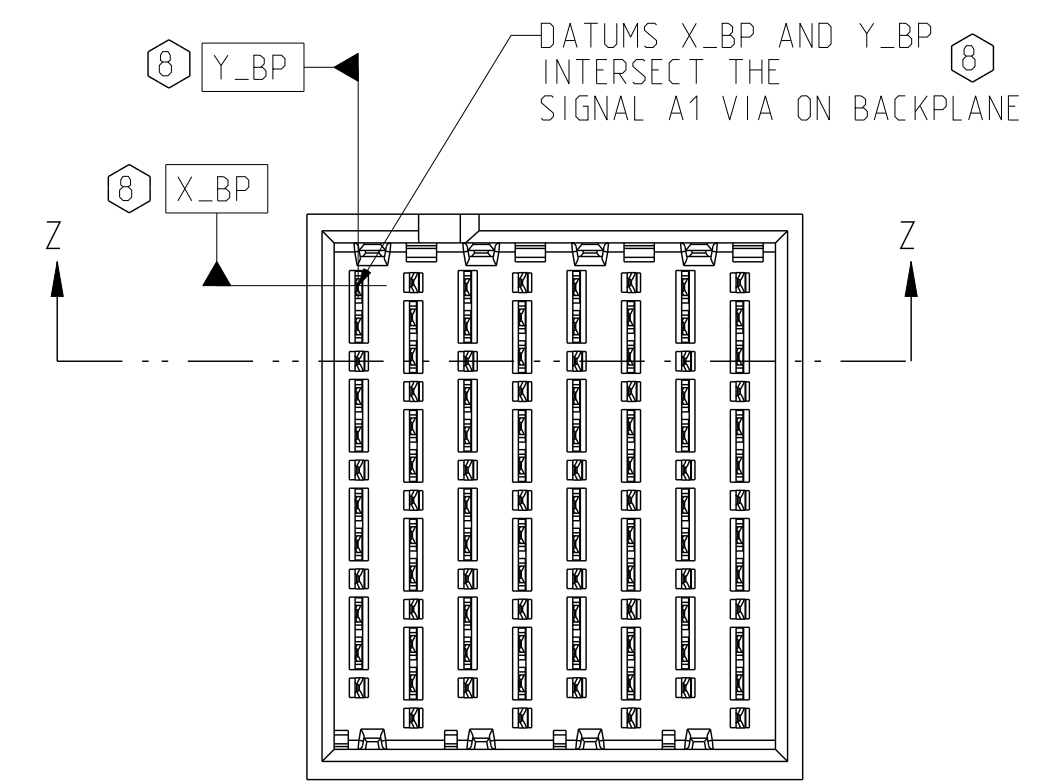


RIGHT WALL BACKPLANE FOOTPRINT

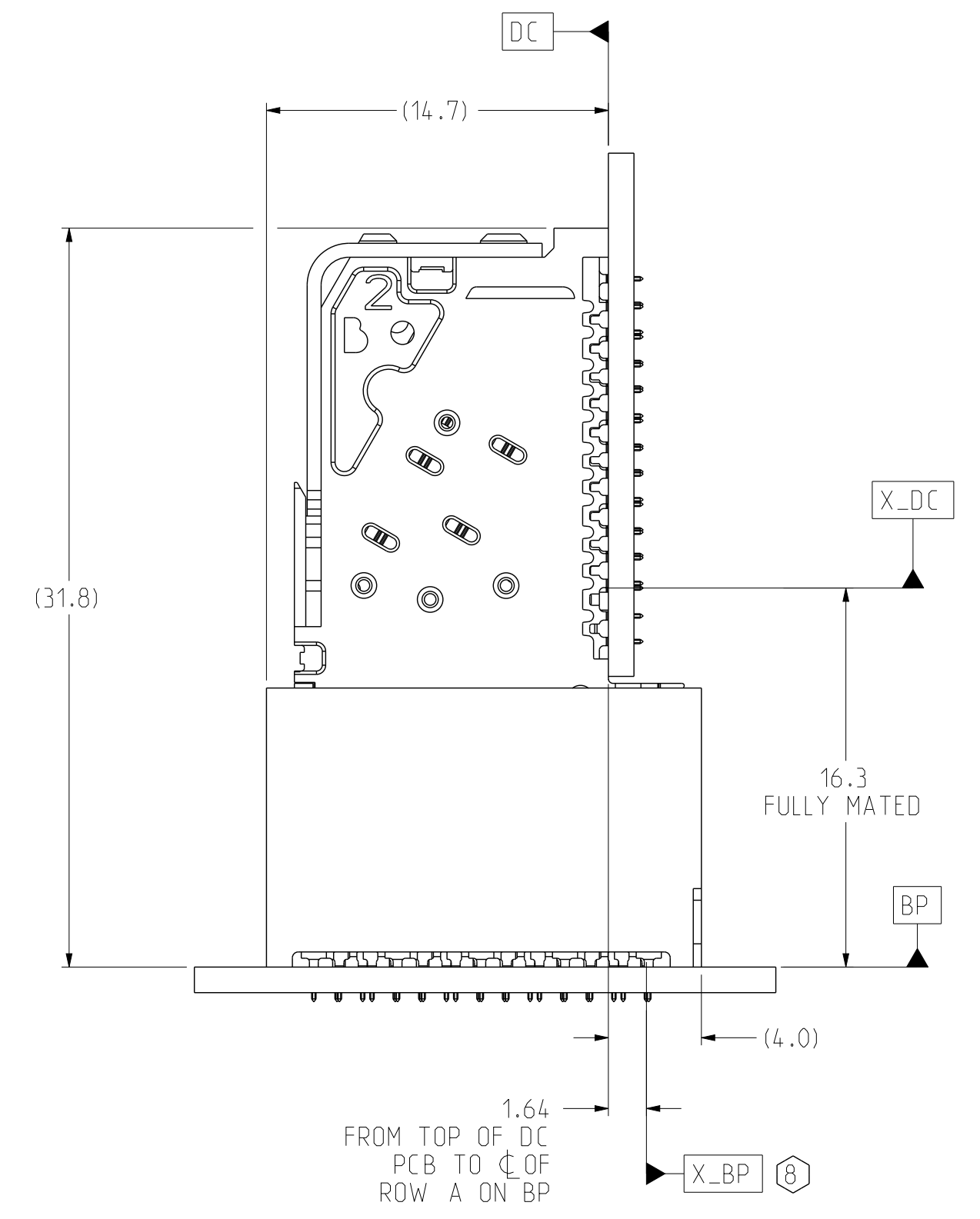
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|----------------------|------------|---|--------|---|
| TOLERANCES | | DESIGN 02/19/2010 | T.D.O | Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 603.879.3000 TITLE BACKPLANE MODULES, VERTICAL MALE HEADER XCode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

INTERPRET PER ASME Y14.5M
CODE IDENT 31413

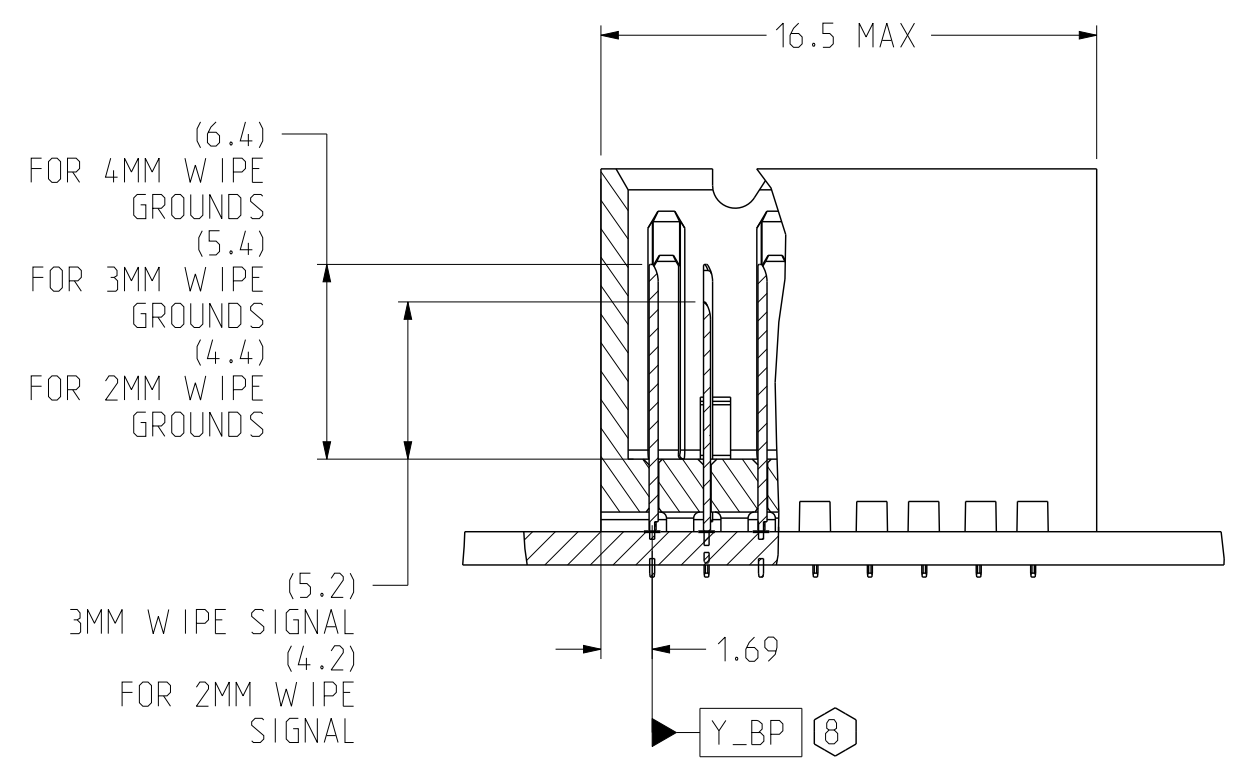
| ZONE | REV | ECN NUMBER | DESCRIPTION | BY | DATE | APPROVED |
|------|-----|------------|-------------|----|------|----------|
| | | | SEE SHEET 1 | | | |



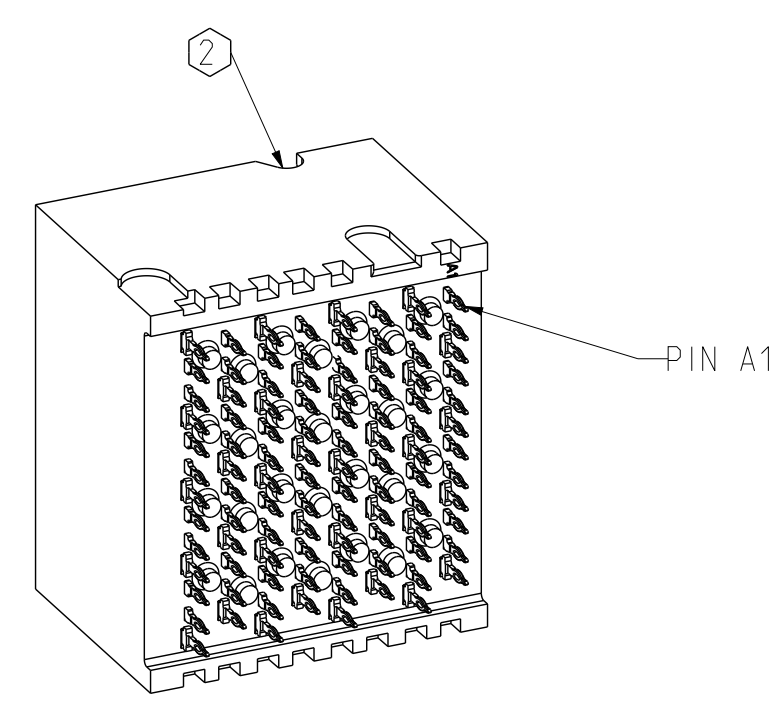
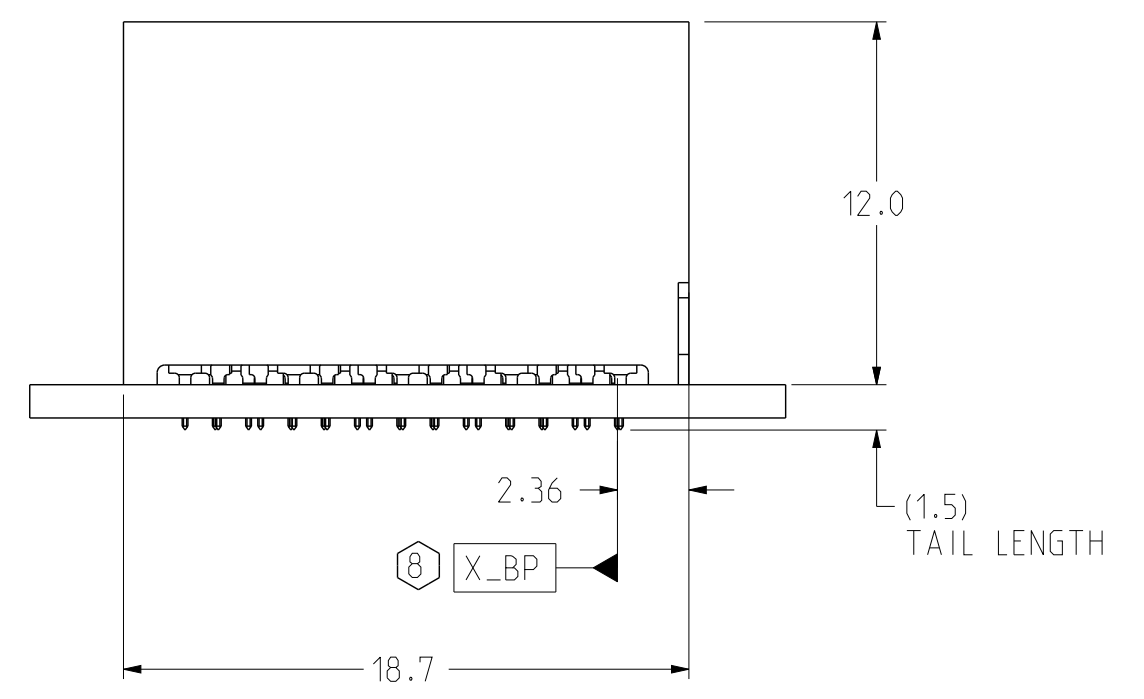
TWO WALL BACKPLANE MODULE DIMENSION



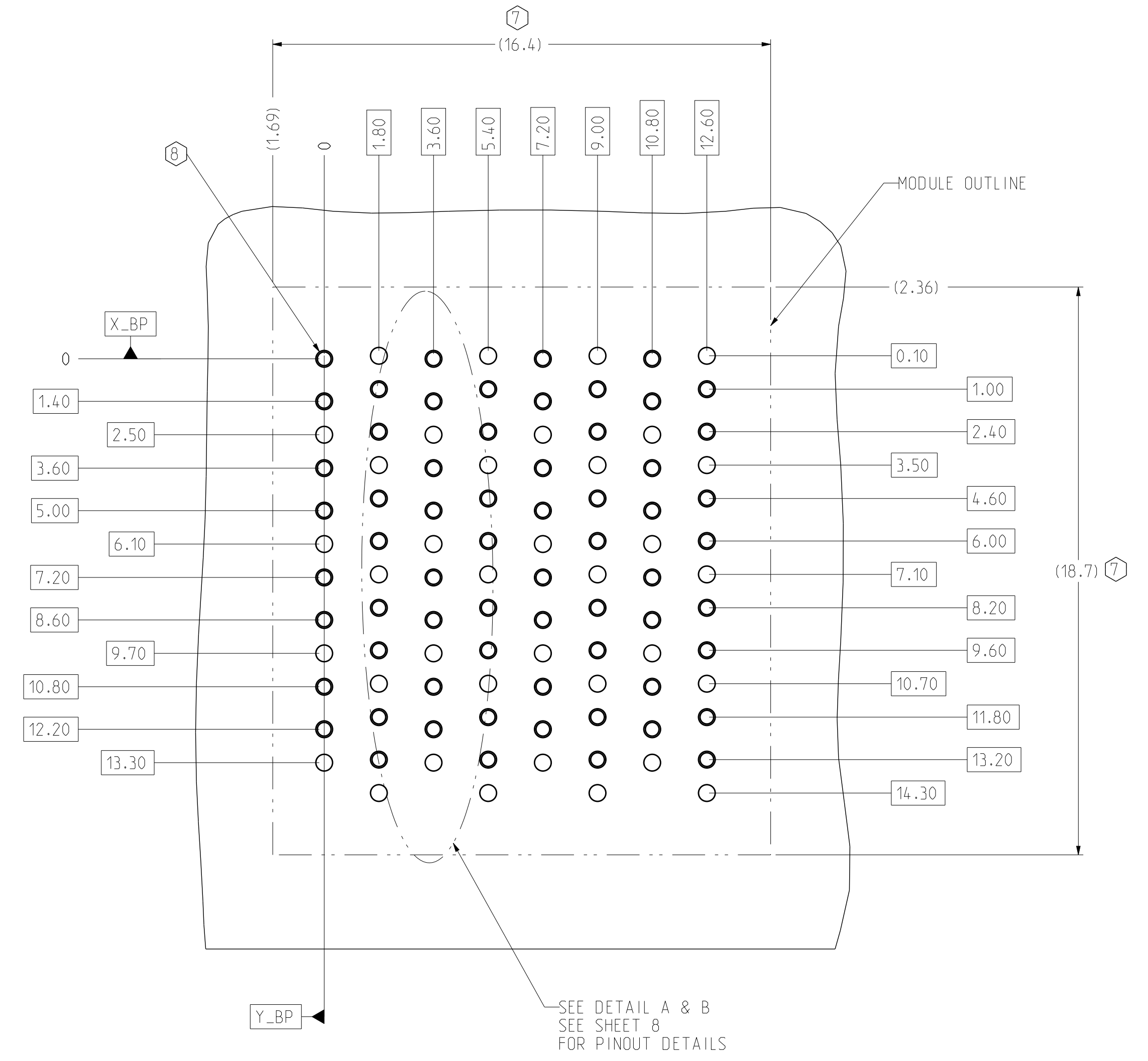
CONNECTOR REFERENCE
SCALE 4/1



SECTION Z-Z



ISOMETRIC VIEW
SCALE 3/1



BP HOLE PATTERN
COMPONENT SIDE
SCALE 8/1

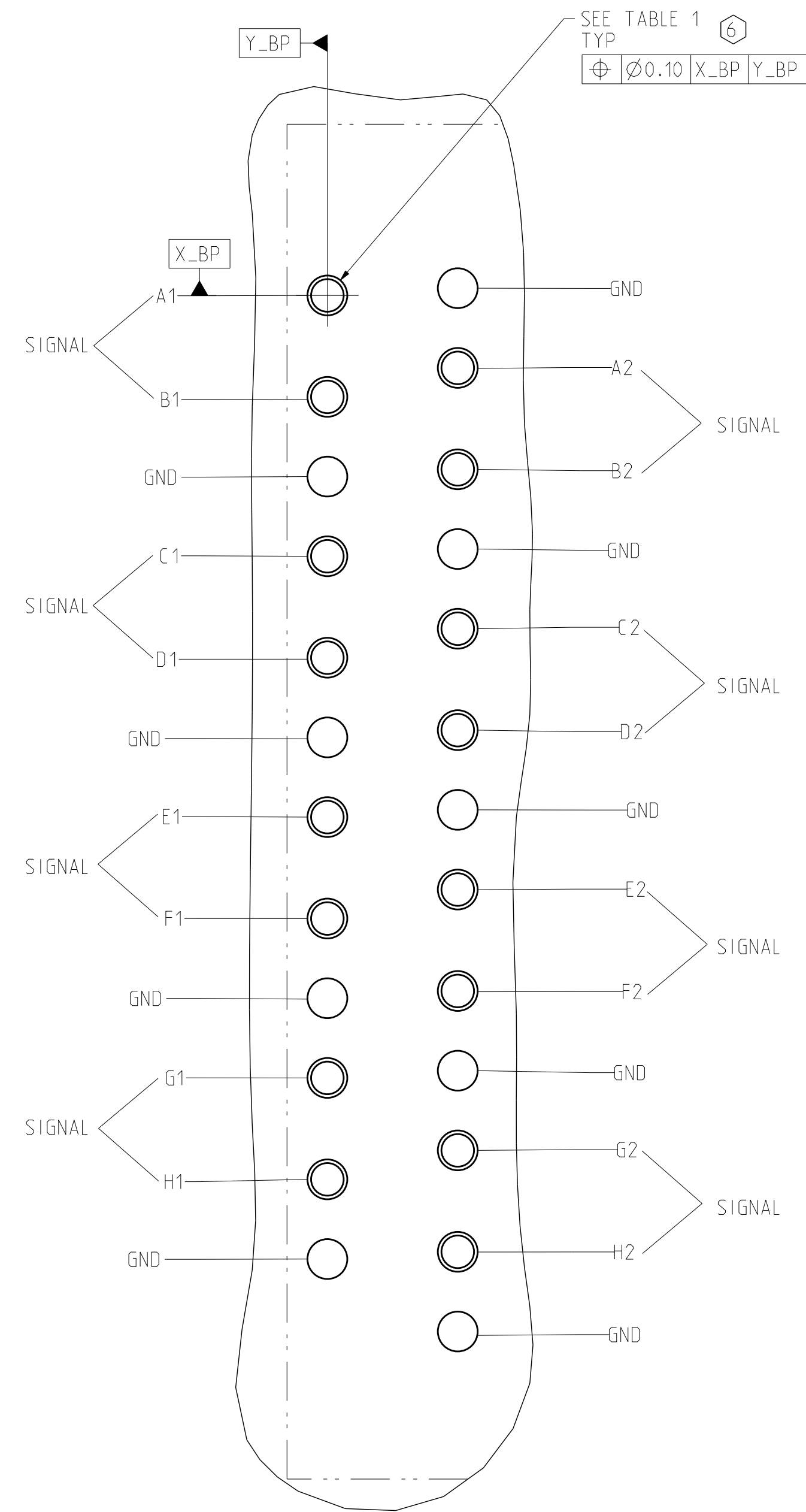
TWO WALL BACKPLANE FOOTPRINT

| TOLERANCES | | DESIGN 02/19/2010 | Amphenol TCS | | |
|---|-------|-------------------|---|-------|--------|
| 0.0 | ±0.25 | T.D.O | A Division of Amphenol Corporation | | |
| 0.00 | ±0.13 | HCL-RK | 200 Innovative Way, Nashua, NH 03062 603.879.3000 | | |
| 0.000 | ± - | T.D.O | 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 | 7 OF 8 |

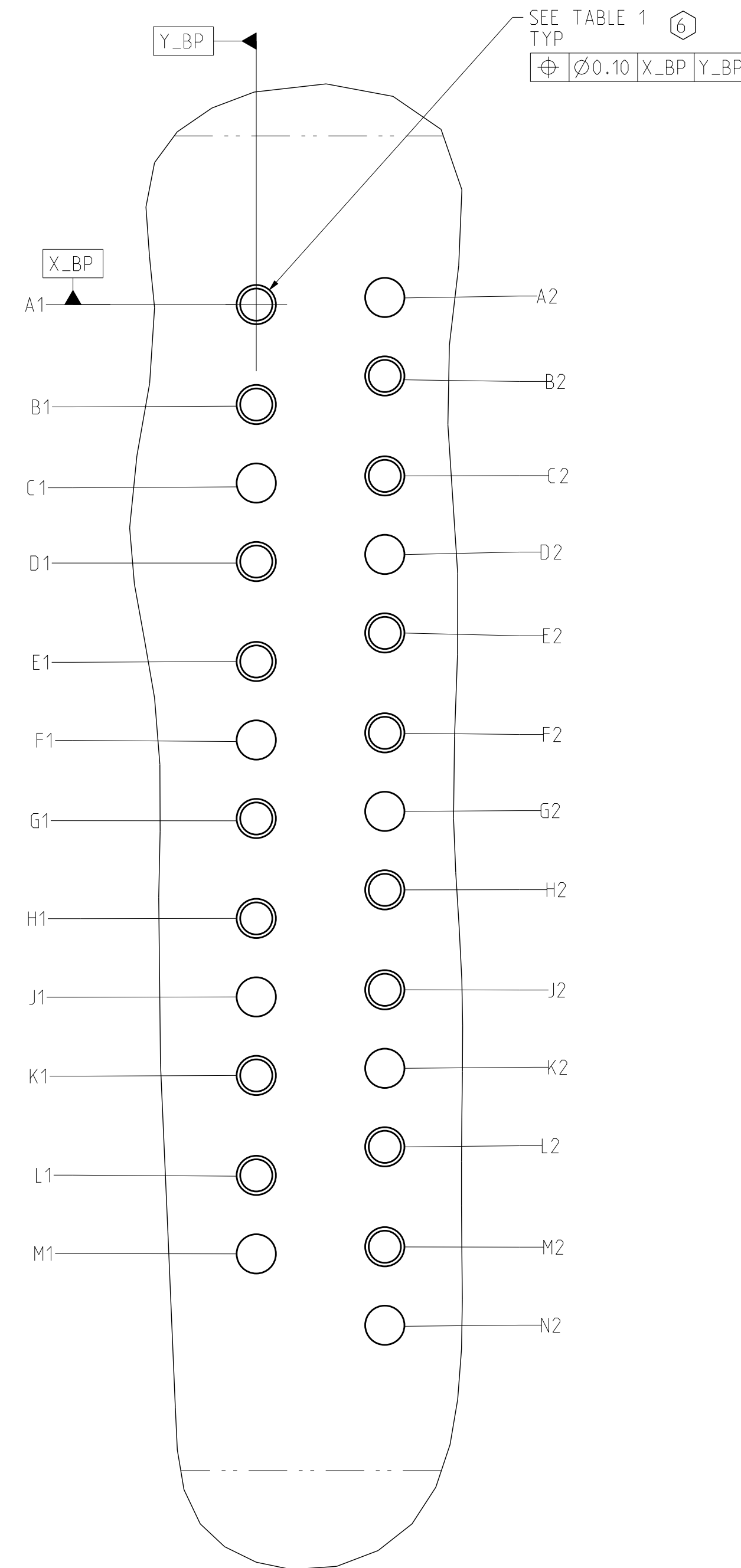
INTERPRET PER ASME Y14.5M
CODE IDENT 31413

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

| | COMPLIANT PIN DRILL Ø.0217" | COMPLIANT PIN DRILL Ø.0177" |
|-------|--------------------------------|--------------------------------|
| PTH | Ø0.45±0.05 | Ø0.36±0.05 |
| DRILL | Ø0.55 [.0217"] | Ø0.45 [.0177"] |
| PAD | Ø0.85 | Ø0.75 |

| | | | |
|--|-------|-------------------|--|
| TOLERANCES | | DESIGN 02/19/2010 | Amphenol TCS 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 DRAWING C923-400E-500 SIZE D SCALE 1/1 SHEET 8 OF 8 |
| 0.0 | ±0.25 | T.D.O | |
| 0.00 | ±0.13 | HCL-RK | |
| 0.000 | ± - | T.D.O | |
| ANGLES | ± 3° | APVD 02/19/2010 | REV N/A |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD. | | | REV M |
| CUSTOMER USE DRAWING | | | 1.3 A.16 |

