

| ZONE | REV | SCR NUMBER        | DESCRIPTION   | BY     | DATE       | APPROVED |
|------|-----|-------------------|---|--------|------------|----------|
| ALL  | A   | DSMH-7TSJ9T.VER01 | NEW RELEASE   | HCL-RB | 08/10/2009 | D.SMITH  |
|      | B   | CSAS-83PGRV.VER01 | ADDED NEW PART NUMBERS FOR NEW PLATING CODES IN ASSEMBLY PART NUMBER ASSIGNMENT TREE. MODIFIED NOTE 4 AND 7. ADDED "NOT TOOLED" FOR 1.00 mm WIPE IN PART NUMBER TREE. | HCL-MH | 03/19/2010 | C.SAMMIS |

LEFT POLARIZING BACKPLANE MODULE  
ASSEMBLY PART NUMBER ASSIGNMENT  
350 - X 1 XX - X X X

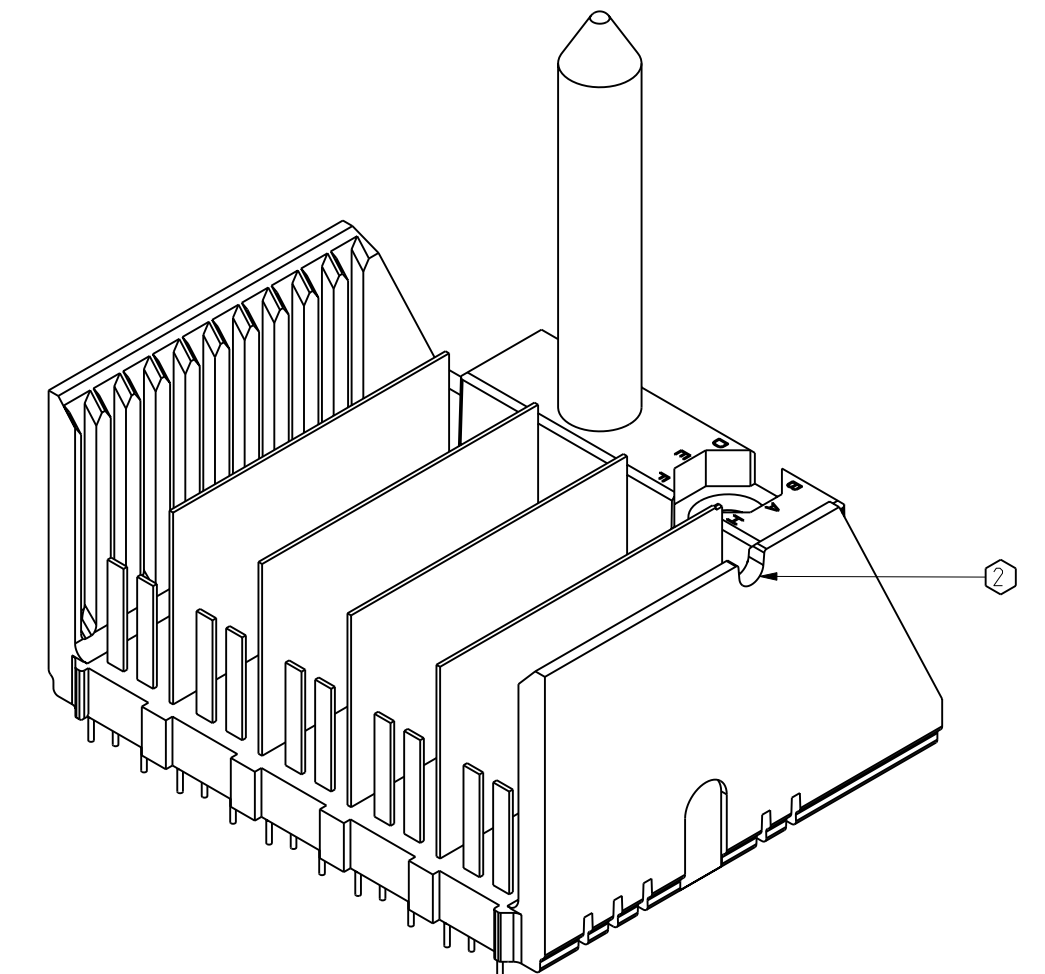
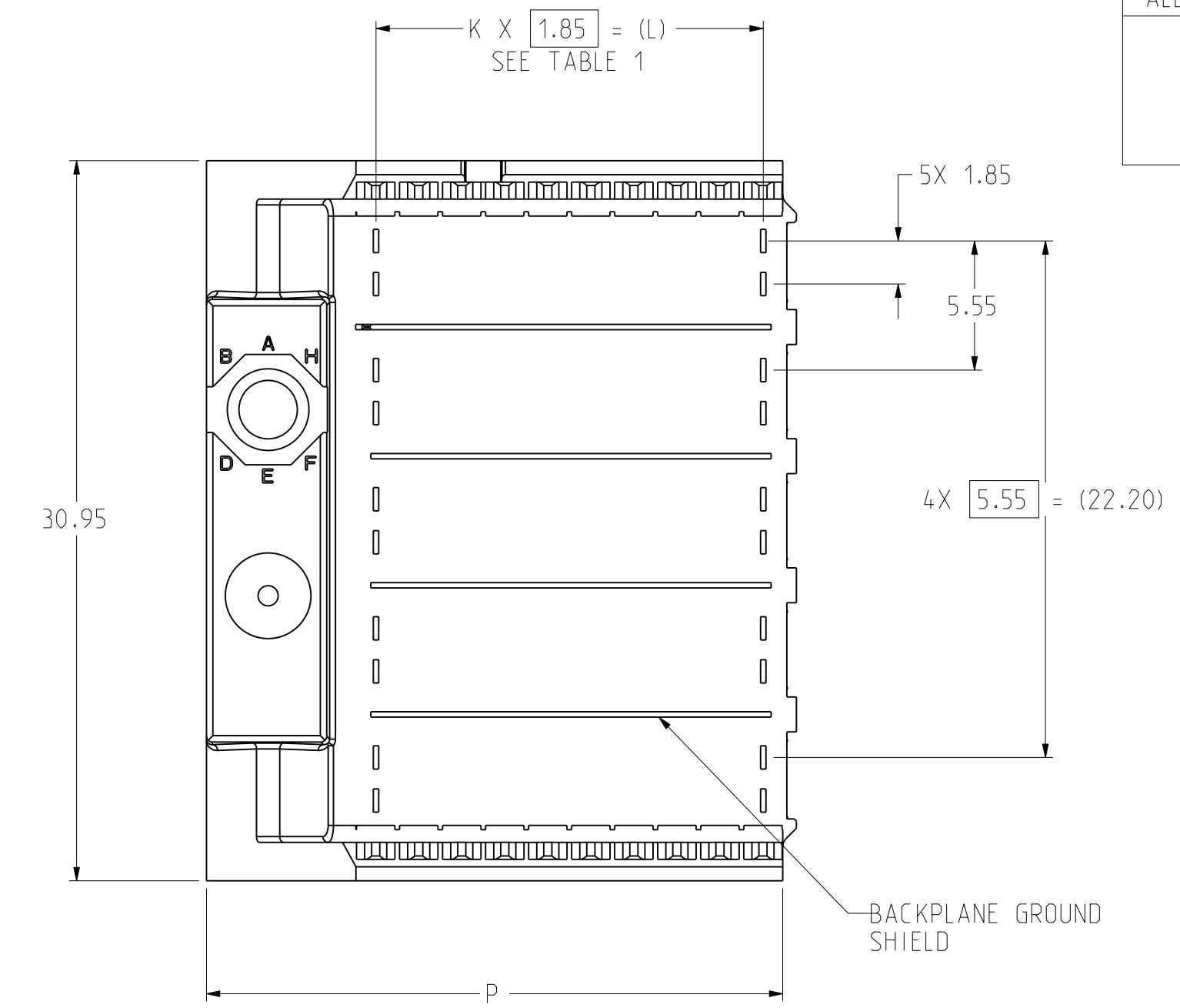
LOAD  
5 = STANDARD LOAD (7)  
7 = CUSTOM LOAD, LEADED  
8 = CUSTOM LOAD, LEAD FREE  
L = CUSTOM LOAD, LEADED, ADVANCED PLATING  
N = CUSTOM LOAD, LEAD FREE, ADVANCED PLATING

NUMBER OF COLUMNS  
05 = 5 COLUMN MODULE (NOT TOOLED)  
10 = 10 COLUMN MODULE  
25 = 25 COLUMN MODULE

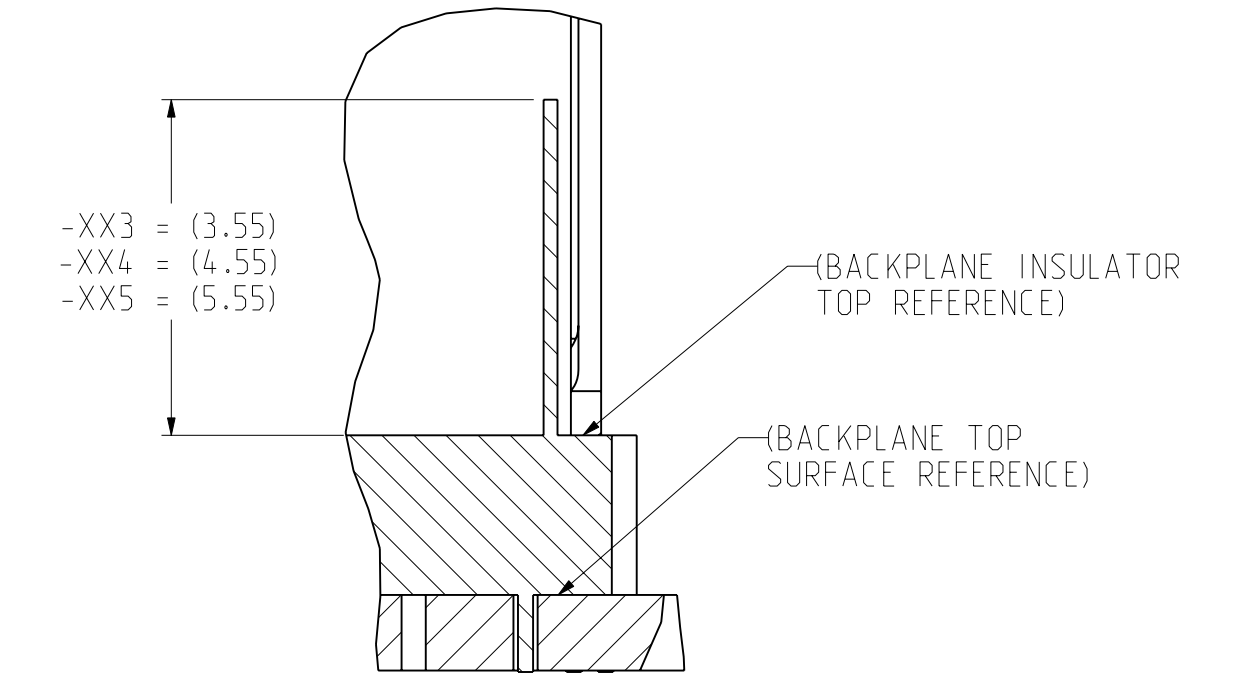
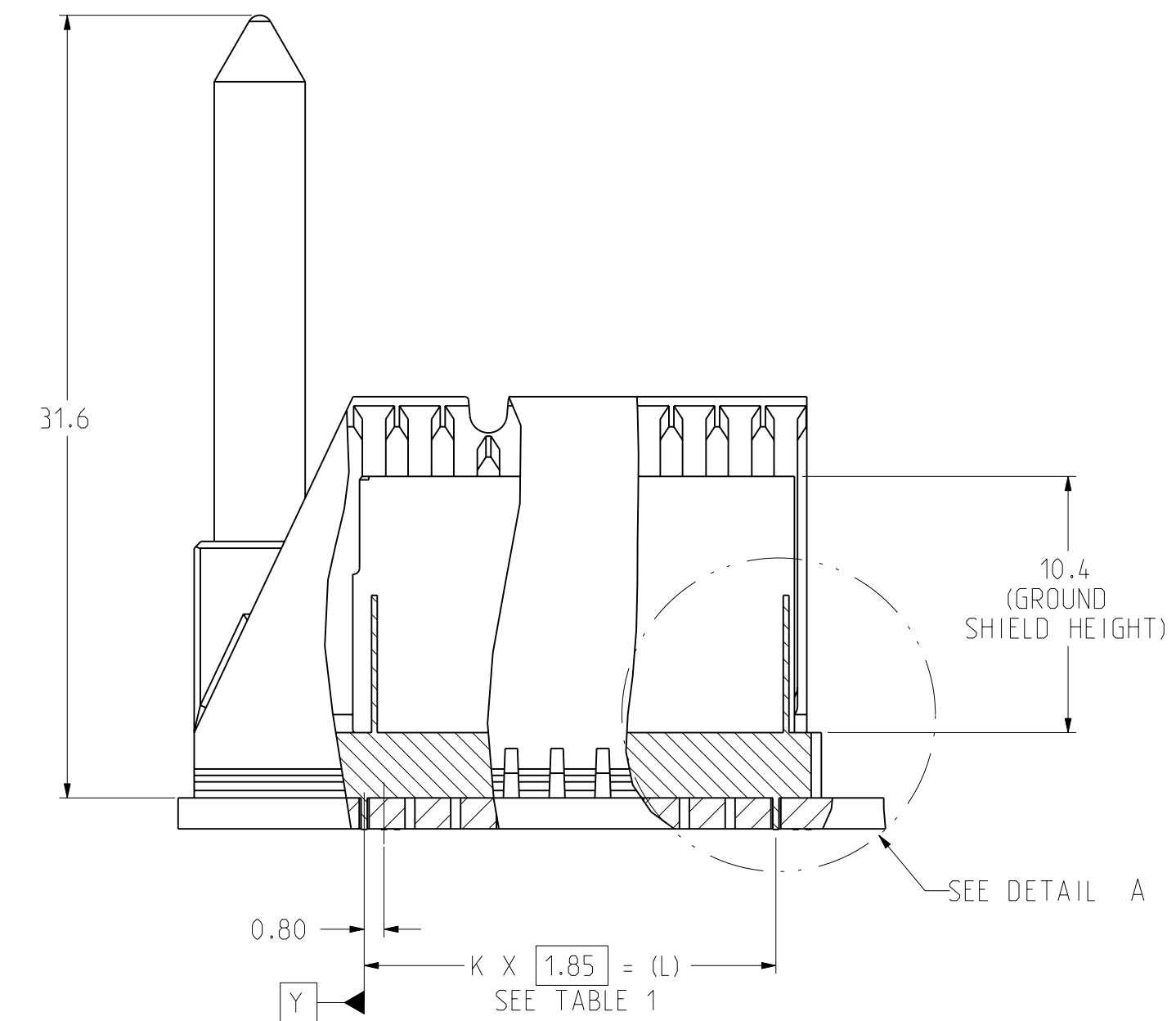
MINIMUM PIN WIPE LENGTH, SEE DETAIL A  
3 = 1.00 mm WIPE (NOT TOOLED)  
4 = 2.00 mm WIPE  
5 = 3.00 mm WIPE

PLATING CODE (4)  
0 = 735 4 = 804  
1 = 732 5 = 803  
2 = 769 6 = 806  
3 = 768 7 = 805

POL PIN LOCATION  
SEE TABLE 2



ISO VIEW  
SCALE 3/1



DETAIL A  
SCALE 8/1

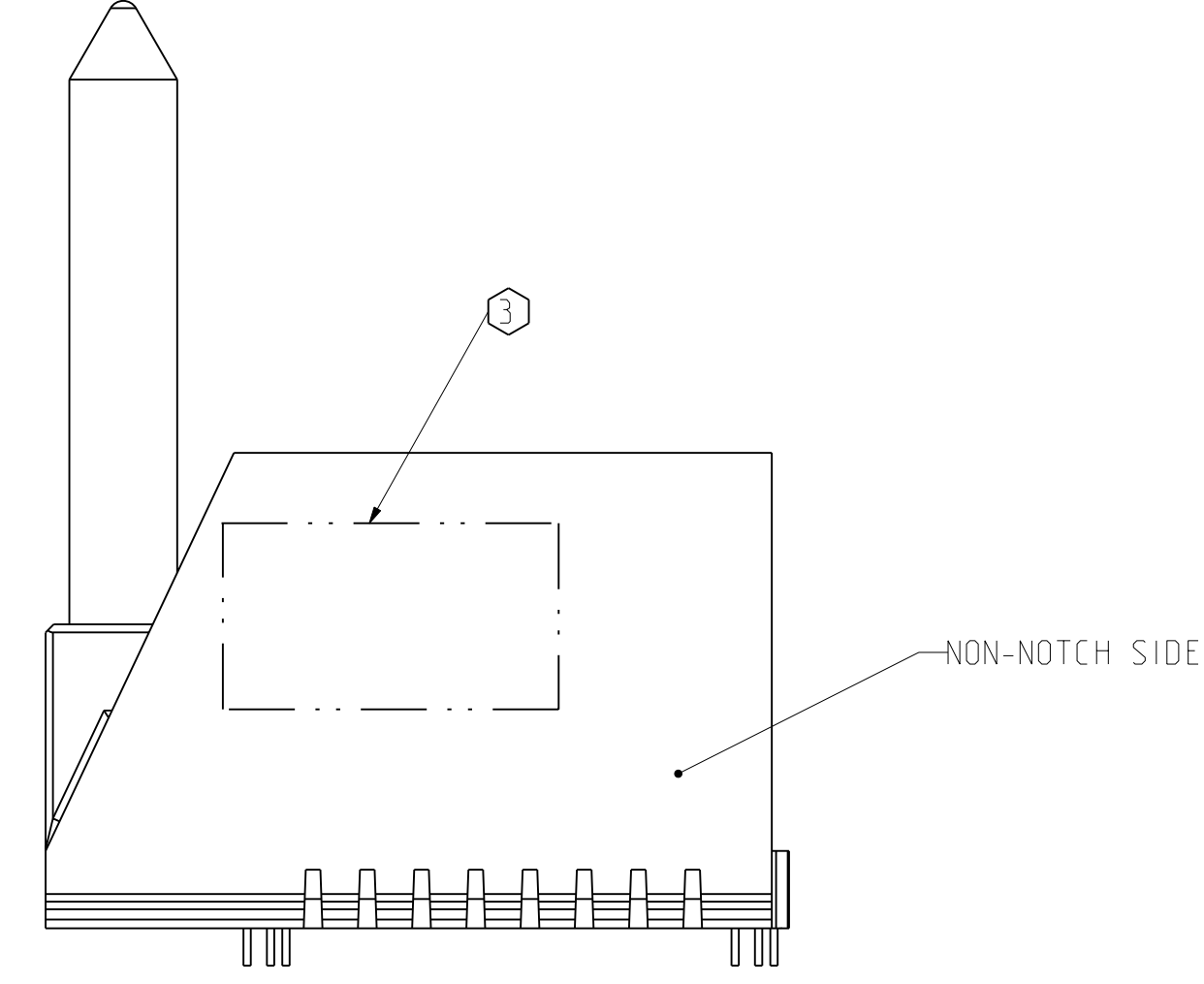
TABLE 1

| ASSEMBLY PART NUMBER | K  | (L)     | P     | R     | TOTAL NUMBER OF DIFFERENTIAL PAIRS |
|----------------------|----|---------|-------|-------|------------------------------------|
| 350-5105-XXX         | 4  | (7.40)  | 15.53 | 16.11 | 25                                 |
| 350-5110-XXX         | 9  | (16.65) | 24.78 | 25.36 | 50                                 |
| 350-5125-XXX         | 24 | (44.40) | 52.53 | 53.11 | 125                                |

(NOT TOOLED)

TABLE 2

| PART NUMBER 350-51XX-(XXX) | -0XX | -AXX | -BXX | -CXX | -DXX | -EXX | -FXX | -GXX | -HXX |
|----------------------------|------|------|------|------|------|------|------|------|------|
| POLARIZING PIN ORIENTATION |      |      |      |      |      |      |      |      |      |



- 7 IF 4TH DIGIT OF THE PART NUMBER IS 7 OR 8 OR L OR N (CUSTOM PART). DIGIT 5 THROUGH 10 DO NOT FOLLOW THE PARADIGM IN TABLE.
  - 6. USE MATING GAUGE PART NUMBER 699-2212-000 AFTER INSERTION ONTO BOARD TO CHECK POSITION OF BLADES.
  - 5. FOR REPAIR PROCEDURE FOR SIGNAL BLADE, SEE TB-2099.
  - 4 9TH DIGIT OF PART NUMBER IDENTIFIES PLATING:  
735 - Ni SULFAMATE, STANDARD GOLD, LEADED  
732 - Ni SULFAMATE, HIGH GOLD, LEADED  
769 - Ni SULFAMATE, STANDARD GOLD, LEAD-FREE  
768 - Ni SULFAMATE, HIGH GOLD, LEAD-FREE  
804 - NANO Ni, STANDARD GOLD, LEADED  
803 - NANO Ni, HIGH GOLD, LEADED  
806 - NANO Ni, STANDARD GOLD, LEAD-FREE  
805 - NANO Ni, HIGH GOLD, LEAD-FREE
  - 3 PART MARKING AS FOLLOWS:  
LINE 1: "ATCS" AND DATECODE (ATCS YYWW).  
LINE 2: MODULE PART NUMBER (###-###-###).  
LINE 3: WORK ORDER NUMBER (#####), WHERE "\*" DENOTES MANUFACTURING LOCATION.
  - 2 NOTCH DESIGNATES "ROW A" SIDE OF SHROUD. NOTCH FEATURE ON OPPOSITE SIDE FROM PART MARKING.
- NOTES:  
1. REFER TO TB-2085 FOR GbX PRODUCT SPECIFICATIONS.

| TOLERANCES | DESIGN     | DATE       | BY | APPROVED |
|------------|------------|------------|----|----------|
| 0.0 ±0.25  | M.RECEPUTO | 03/31/2009 |    |          |
| 0.00 ±0.13 | M.RECEPUTO | 03/31/2009 |    |          |
| 0.00 ± -   | J.DUNHAM   | 03/31/2009 |    |          |
| ANGLES ± - | J.DUNHAM   | 03/31/2009 |    |          |

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

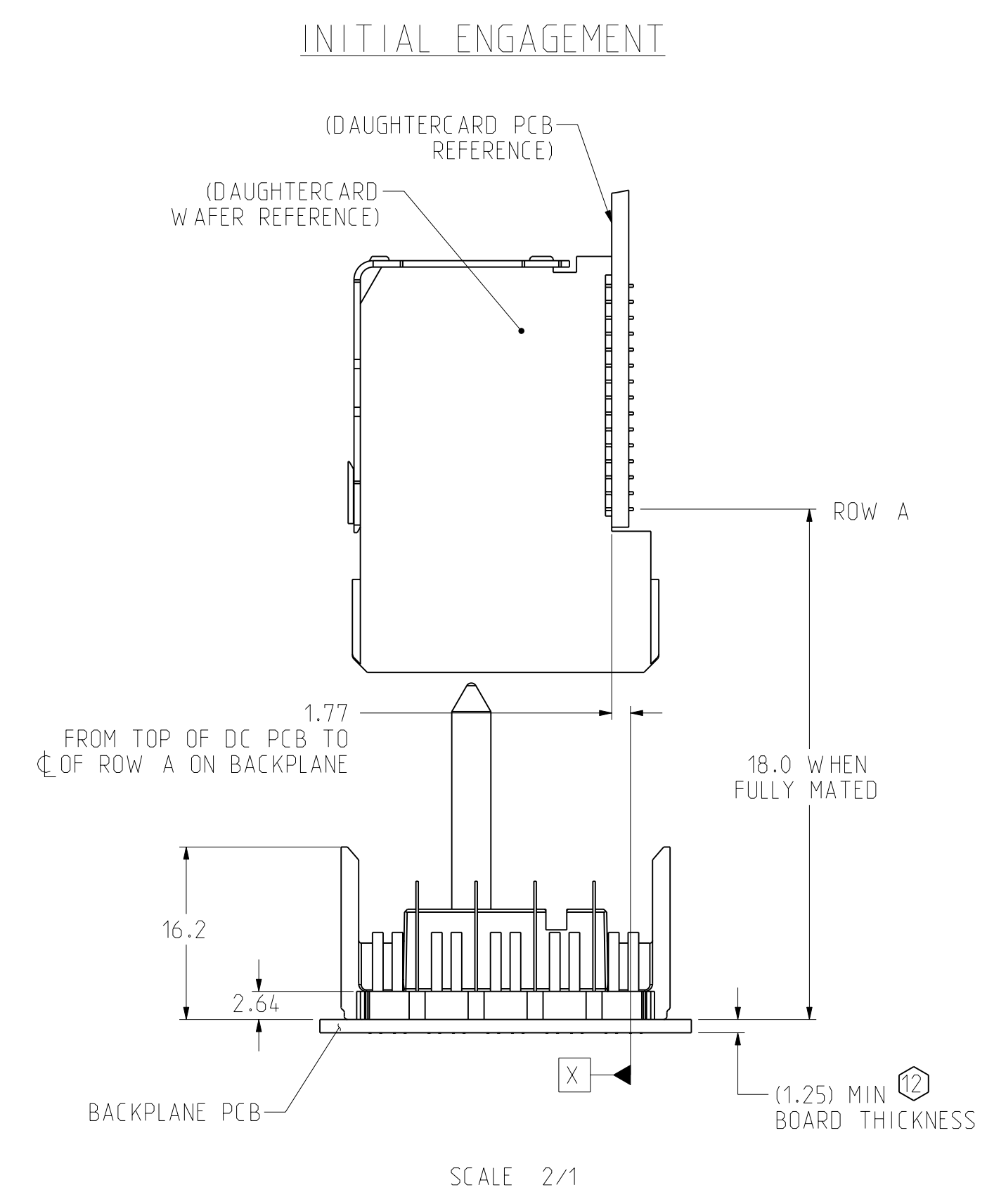
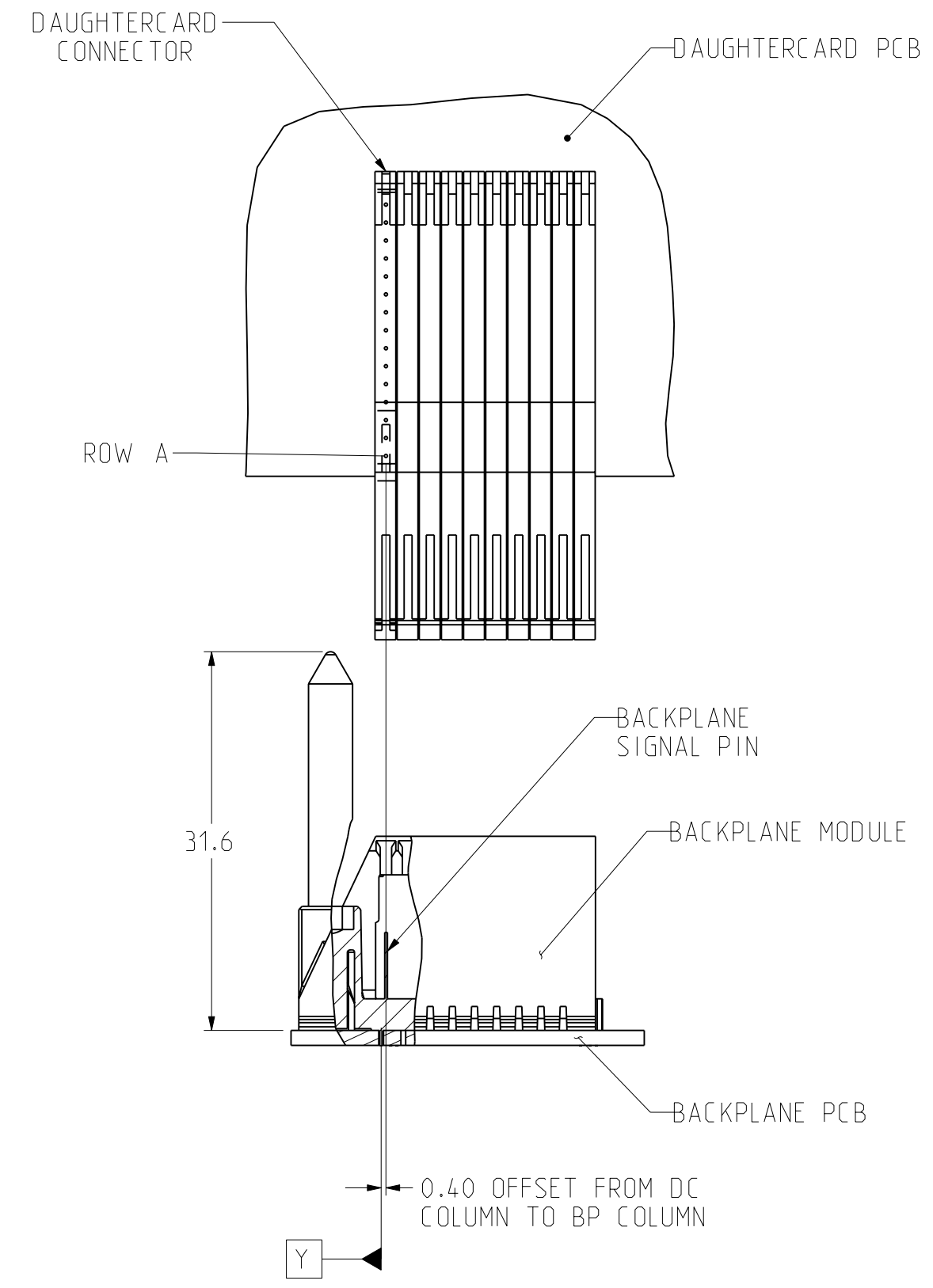
|  |                                  |
|--|----------------------------------|
| <b>Amphenol TCS</b><br>A Division of Amphenol Corporation<br>200 Innovative Way, Nashua, NH 03062 803.879.3000 |                                  |
| TITLE<br>BP CONNECTOR ASSY, LEFT POL<br>5 PAIR GbX U-SERIES  | PART NO.<br>SEE PART NUMBER TREE |
| DRAWING NO.<br>C-350-5105-500  | REV<br>N/A                       |
| PROJ. TYPE<br>Q1132-350-5110-500   | SCALE<br>1.2                     |
| PROJ. DRAWING<br>C-350-5105-500  | SCALE<br>4/1                     |
| SIZE<br>D  | SHEET 1 OF 2                     |

INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

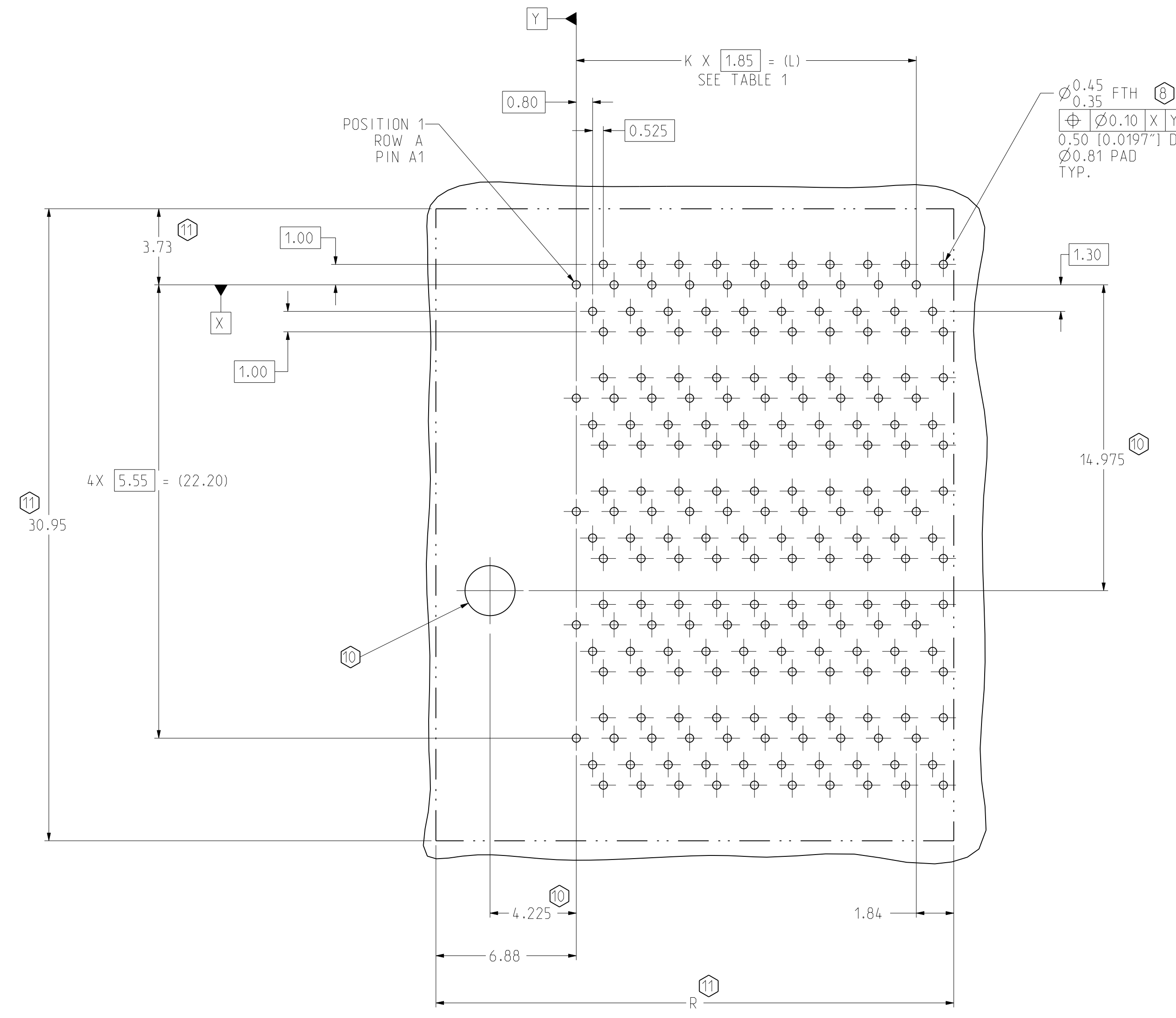
CUSTOMER USE  
DRAWING

DRW NO. C-350-5105-500 SH 1 REV B

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



**GbX DC WAFER TO GbX-U BP SHROUD**

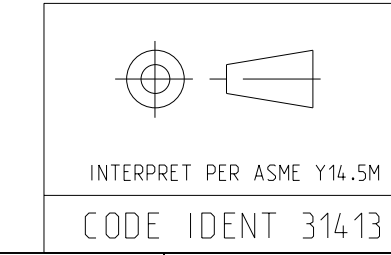


**BACKPLANE HOLE PATTERN  
COMPONENT SIDE  
SCALE 6/1**

- 12 FOR SHARED HOLE MIDPLANE APPLICATIONS MIN BOARD THICKNESS OF 4.00 REQUIRED.
- 11 NO SURFACE TRACES IN COMPONENT OUTLINE.
- 10 OPTIONAL HOLE LOCATION FOR GROUNDED PIN OR ADDITIONAL GUIDE PIN SUPPORT. SEE DOCUMENT C-564-0471-500 FOR DETAIL AND LOCATION FOR DC BOARD WEIGHT > 8 LBS.. REFER TO TB-2104 FOR PROPER GUIDE PIN SIZING.
- 9. SEE DOCUMENT C-190-0008-000 FOR TOOLING KEEP-OUT ZONES.
- 8 STATED PAD SIZE MAY REQUIRE FILLETING. FOR DETAILED ROUTING GUIDELINES, SEE TB-2090.

NOTES:

|            |                                 |  |             |  |
|------------|---------------------------------|--|-------------|--|
| TOLERANCES | DESIGN 03/31/2009<br>M.RECEPUTO | <b>Amphenol TCS</b><br>A Division of Amphenol Corporation<br>200 Innovative Way, Nashua, NH 03062 603.879.3000 | TITLE       | BP CONNECTOR ASSY, LEFT POL<br>5 PAIR GbX U-SERIES |
| 0.0 ±0.25  | DRAWN 03/31/2009<br>M.RECEPUTO  |  | PART NO.    | SEE PART NUMBER TREE                               |
| 0.00 ±0.13 | CHK 03/31/2009<br>J.DUNHAM      |  | DRAWING NO. | C-350-5105-500                                     |
| 0.000 ± -  | APVD 03/31/2009<br>J.DUNHAM     |  | REV         | B  |
| ANGLES ± - |                                 | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD.                                   | PROJ        | 01132-350-5110-500<br>1.2                          |
|            |                                 |  | PROJ        | C-350-5105-500<br>B.0                              |
|            |                                 |  | SCALE       | 4/1  |
|            |                                 |  | SHEET       | 2 OF 2   |



CUSTOMER USE  
DRAWING