

BACKPLANE MODULE ASSEMBLY PART NUMBER ASSIGNMENT

460 - X 0 X X - 0 X X

- 2 = CUSTOM LOAD, LEAD FREE
- 3 = L-SERIES
- 5 = UNIFORM LOAD, 702X
- 6 = UNIFORM LOAD, BRUSH 60
- 7 = CUSTOM LOAD, LEADED
- 8 = ADVANCE MATE UNIFORM LOAD 702X
- 9 = ADVANCE MATE UNIFORM LOAD BRUSH
- L = CUSTOM LOAD, LEADED, ADVANCED PLATING
- N = CUSTOM LOAD, LEAD FREE, ADVANCED PLATING

- SIGNAL CONTACT LOAD (SEE TABLE 2)  
PIN LENGTH
- 1 = 4.75
  - 2 = 6.25
  - 3 = 4.25
  - 4 = 5.15

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

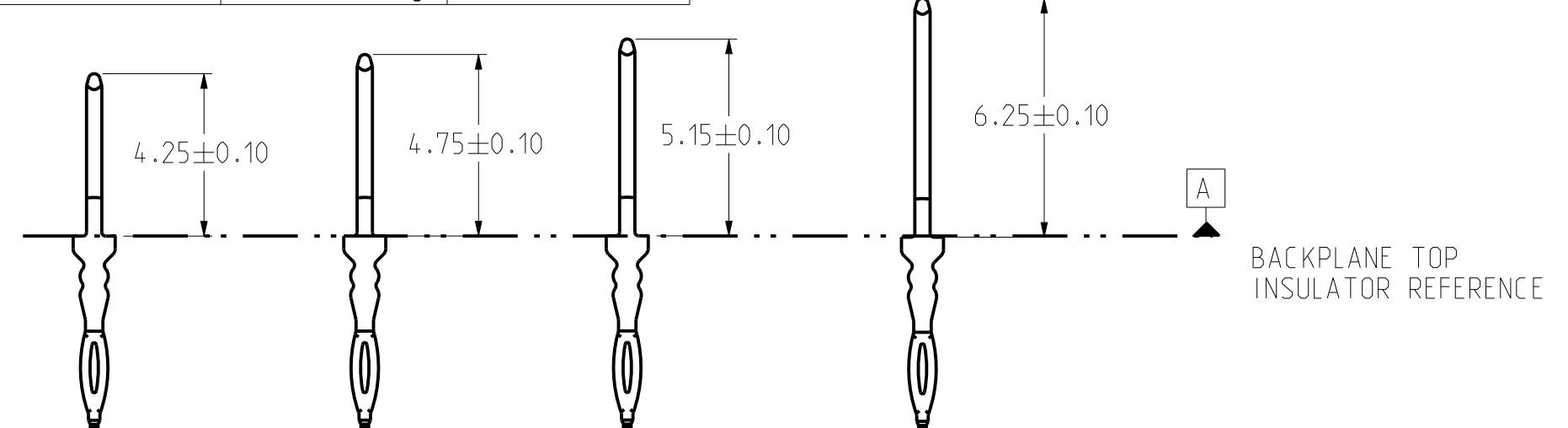
MODULE ORIENTATION  
0-OPEN

NO. OF POSN  
10=10 POSN  
25=25 POSN

ASSEMBLY PART NUMBER	BACKPLANE INSULATOR MODULE	K	(L)	P	TOTAL NUMBER OF SIGNAL CONTACTS	TOTAL NUMBER OF GROUND SHIELDS
460-X010-OXX	460-0010-070	9	(18.00)	20.0	40	10
460-X025-OXX	460-0025-070	24	(48.00)	50.0	100	25

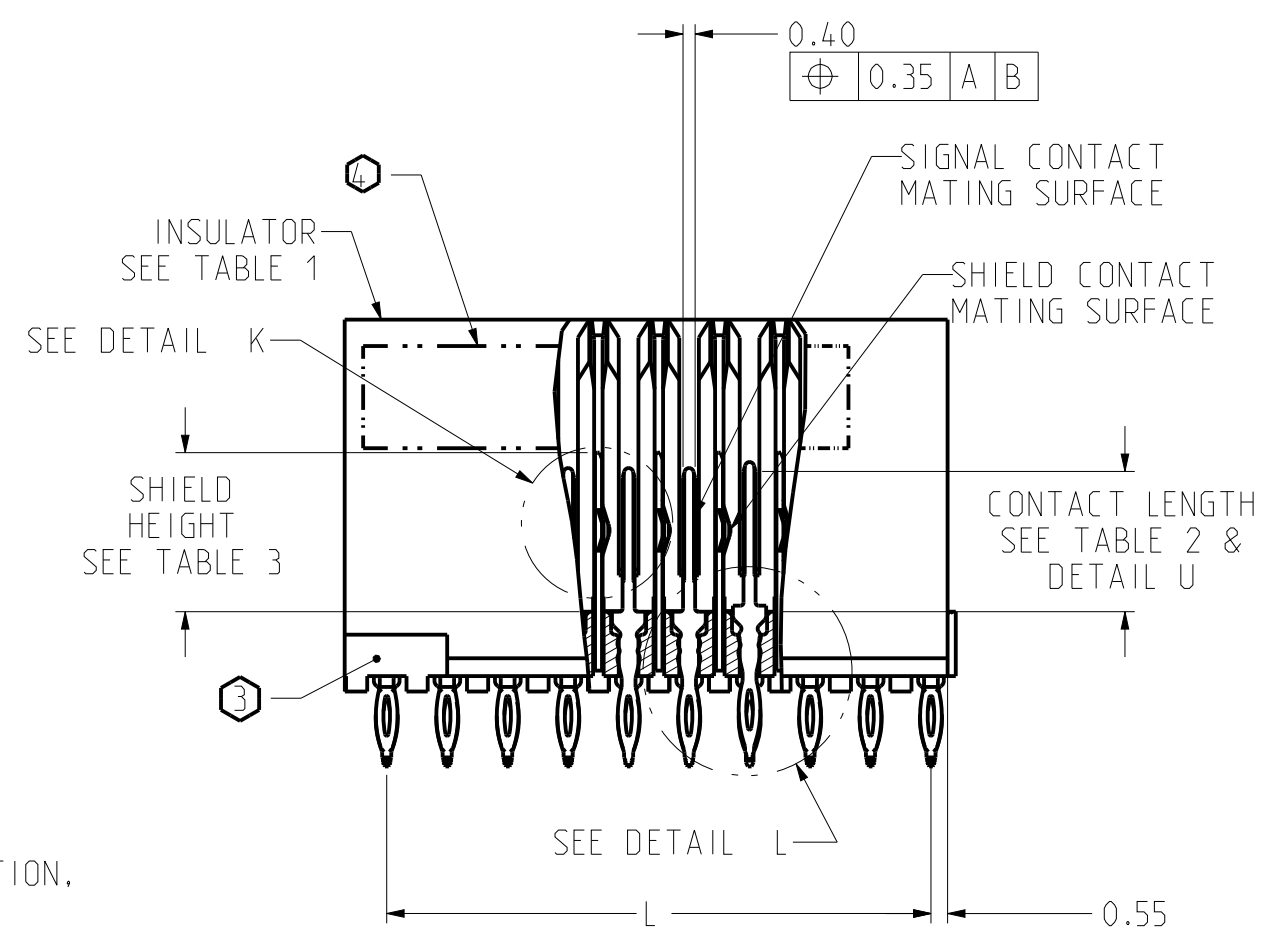
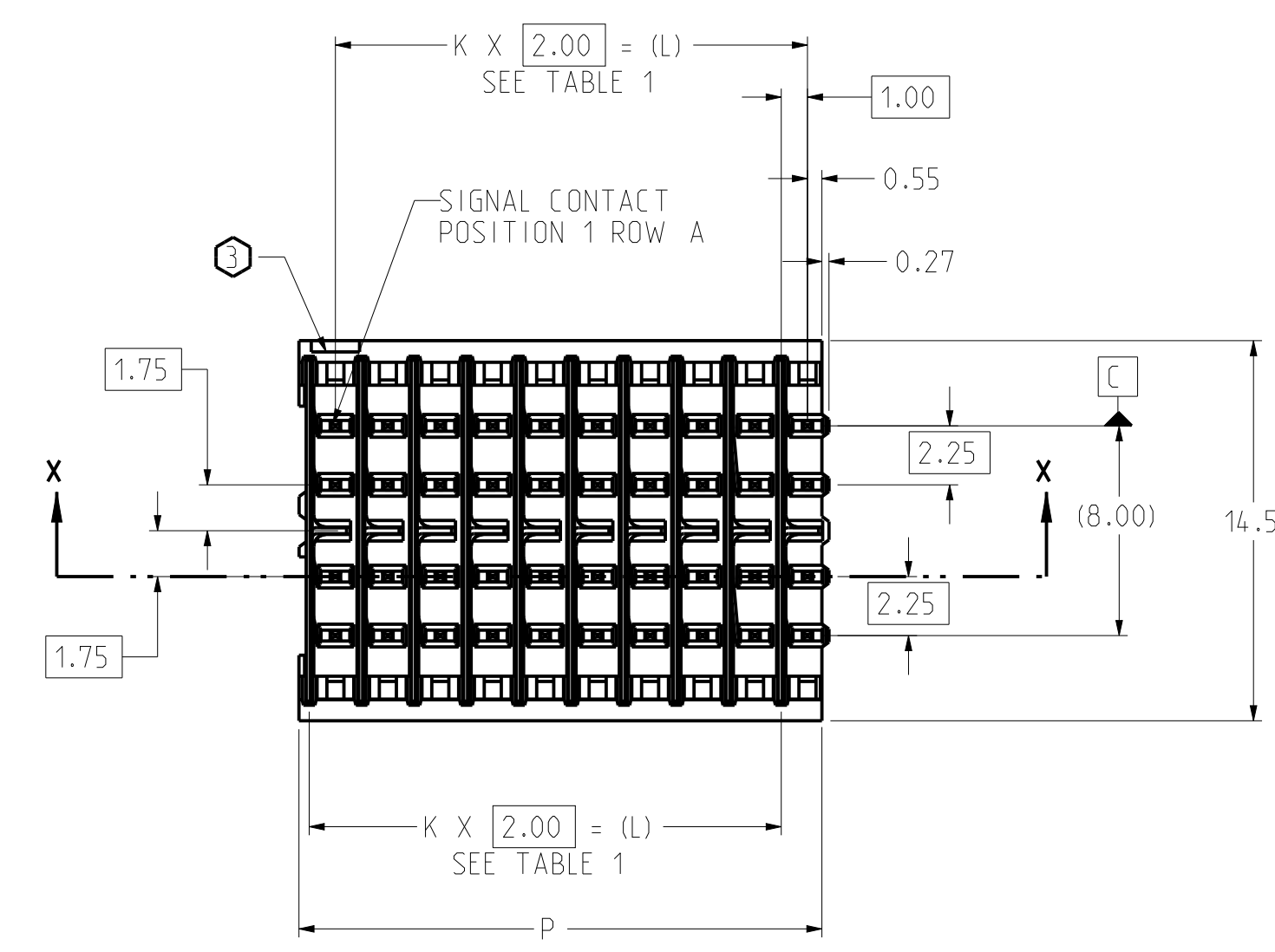
ASSEMBLY PART NUMBER	SIGNAL CONTACT	CONTACT LENGTH
460-(3.5,8)OXX-OX1	260-0022-	4.75
460-(3.5,8)OXX-OX2	260-0021-	6.25
460-(3.5,8)OXX-OX3	260-0023-	4.25
460-(3.5,8)OXX-OX4	260-0024-	5.15
460-(6.9)OXX-OX1	260-0002-	4.75
460-(6.9)OXX-OX2	260-0001-	6.25
460-(6.9)OXX-OX3	260-0003-	4.25
460-(6.9)OXX-OX4	260-0004-	5.15

ASSEMBLY PART NUMBER	SHIELD CONTACT (SEE DETAIL W SH 2)	SHIELD HEIGHT
460-30XX-OXX	N/A	N/A
460-50XX-OXX	272-0021-	5.3
460-60XX-OXX	272-0001-	5.3
460-80XX-OXX	272-0024-	5.5
460-90XX-OXX	272-0004-	5.5

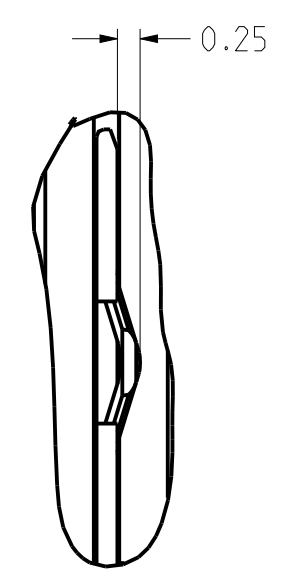


DETAIL U  
SCALE 6/1  
SEE TABLE 2

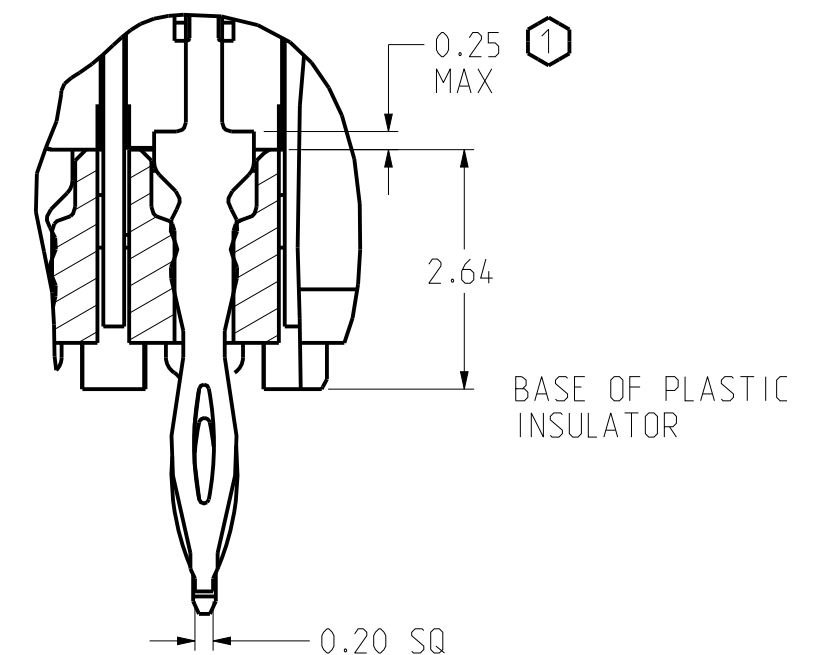
- NOTES:
- 1 WHEN ASSEMBLED TO BACKPLANE INSULATOR, CONTACTS MUST SEAT FLUSH WITH INSULATOR TOP SURFACE TO MAXIMUM ALLOWABLE GAP OF 0.25.
  - 2 SHIELDS SHALL BE STRAIGHT WITH MAXIMUM ALLOWABLE BOW OF 0.15 MM ON EITHER SIDE OF SHIELD. SEE DETAIL "X". SEE SHEET 2.
  - 3 OPEN, NOTCH END DESIGNATES COLUMN 1.
  - 4 SEE TB-2325 FOR PART MARKING REQUIREMENTS.
  - 5 IF MODULE PART NUMBER IS 460-7XXX-XXX OR 460-2XXX-XXX OR 460-LXXX-XXX OR 460-NXXX-XXX, PART REVISION, MODULE ORIENTATION, NUMBER OF COLUMNS, PLATING CODE, AND SIGNAL CONTACT LOAD ARE NOT APPLICABLE.
  - 6 LAST 3 DIGITS OF THE SIGNAL CONTACT AND SHIELD CONTACT PART NUMBERS ARE DETERMINED BY PLATING CODE. MATCHED PLATING DEFINED BY THE 9TH DIGIT OF ASSEMBLY PART NUMBER.  
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
  - 7 FOR HASL ONLY, PTH TO BE Ø0.610-Ø0.495 MM.
  - 8 ROUTE DIFFERENTIAL PAIRS THROUGH PINS A-B & D-E.
  9. DATUM -A- IS DEFINED AS THE WAFER MATING SURFACE OF THE PLASTIC INSULATOR.
  10. DATUM -B- IS DEFINED AS THE CENTERLINE OF THE TOP OF THE OUTERMOST WAFER SLOTS IN THE INSULATOR WALLS.
  11. DATUM -C- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACT HOLES.
  12. DATUM -E- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACTS TAIL SIDE.
  13. DATUM -F- IS DEFINED AS THE BOTTOM SURFACE OF THE PLASTIC INSULATOR.
  14. DATUM -G- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST ROWS OF SIGNAL CONTACTS TAIL SIDE.
  15. REMOVED



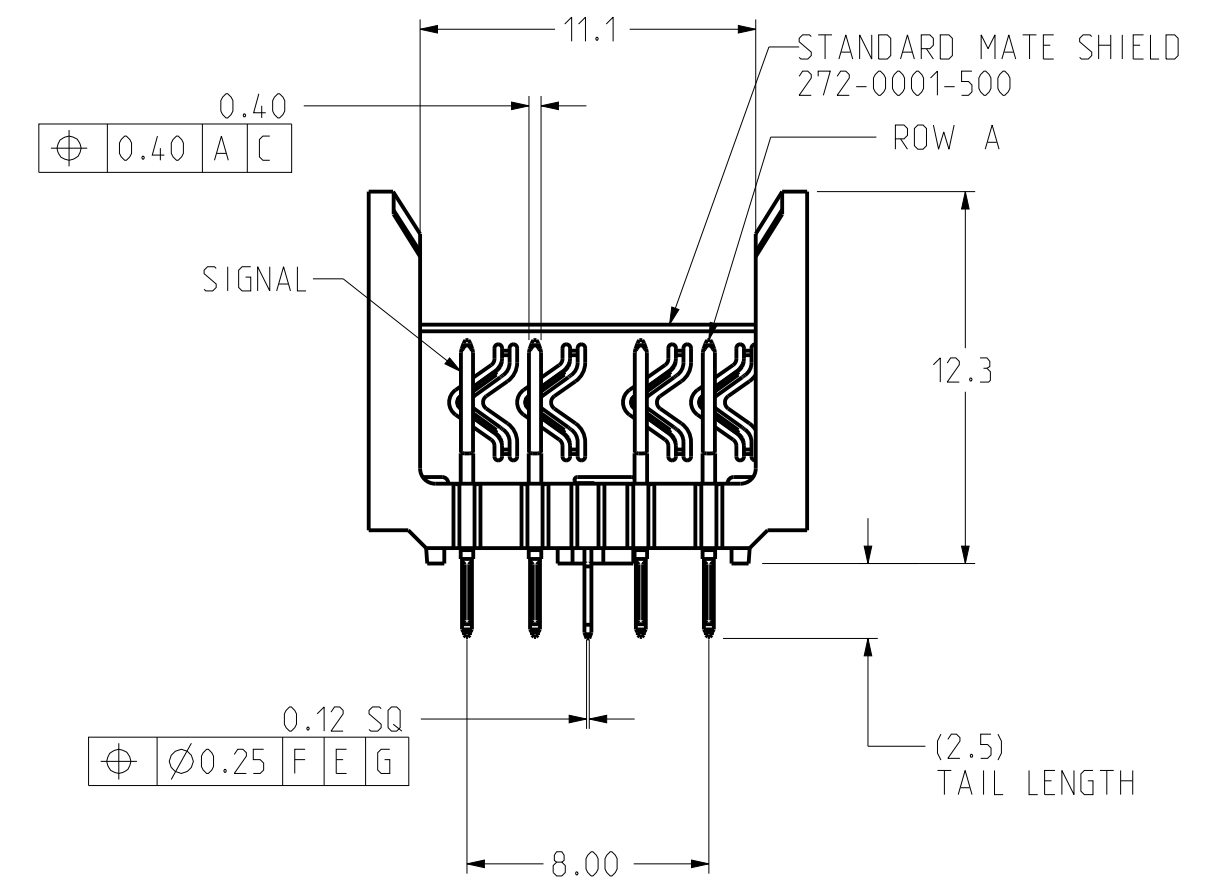
SECTION X-X



DETAIL K  
SCALE 12/11



DETAIL L  
SCALE 12/11



STANDARD MATE SHIELD  
272-0001-500

SIGNAL CONTACT MATING SURFACE

SHIELD CONTACT MATING SURFACE

ROW A

12.3

(2.5) TAIL LENGTH

8.00

0.12 SQ

Ø0.25 F E G

0.40 A C

11.1

0.40 A B

0.35 A B

0.27

0.55

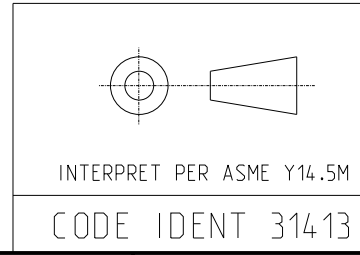
1.00

14.5

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
ALL	-	29470	NEW RELEASE			
-	A	34907	ADDED ADVANCE MATE SHIELD	JSG	11/13/00	LEBLANC
-	B	39370	ADDED VHDM TO TITLE	SG	8/1/02	YEH
-	C	40819	MODIFIED TABLE III	SG	1/7/03	W.LI
-	D	WL11-5V6M7T.VER02	REVISE DATUMS.ADD TABLE IV	M.LEE	10/3/03	W.LI
-	E	KLEC-66RSE5.VER01	MODIFIED TITLE BLOCK	SG	9/20/04	LEBLANC
-	F	DMAG-6BSMYQ.VER01	ADDED LEAD FREE PLATING OPTION	GKR	05/04/05	S.BAIR
G		MLEE-6KBPQ3.VER01	REPLACED DRAWING FORMAT	ML	01/20/06	C.SAMMIS
H		SBAR-6NHKJR.VER01	UPDATED TABLE 2, TABLE 3 AND TABLE 4	HCL	04/10/06	K.LEBLANC
J		CSAS-82ZPTE.VER01	ADDED NEW PART NUMBERS FOR NEW PLATING CODES IN ASSEMBLY PART NUMBER ASSIGNMENT TREE DELETED TABLE 4. MODIFIED NOTE 5 AND 6.REMOVED NOTE 15.	HCL-MH	02/26/2010	C.SAMMIS
K		DCOY-A8SMZB.VER01	UPDATED PART MARKING REQUIREMENTS	HCL-SD	05/05/2016	D.COVEY

TOLERANCES	DESIGN 3/30/99	DP/JSG
0.0	±0.25	DRAWN
0.00	±0.13	CHK 11/25/99 D.Provencher
0.000	± -	APVD 4/24/00 D.Provencher
ANGLES	± -	

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



INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

CUSTOMER USE  
DRAWING

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

TITLE  
BACKPLANE OPEN ENDED MODULE  
ASSEMBLY, 5 ROW VHDM-HSD

PART NO.  
SEE PART NUMBER TREE

REV N/A

DRAWING NO.  
C-460-5010-500

Rev K

Pro/E Type: P1018-ASSY-BP-10-OPENGUIDE  
Pro/E DRAWING: C-460-5010-500

1.17  
J.1

SIZE D SCALE 4/1 SHEET 1 OF 2

DRW NO. C-460-5010-500

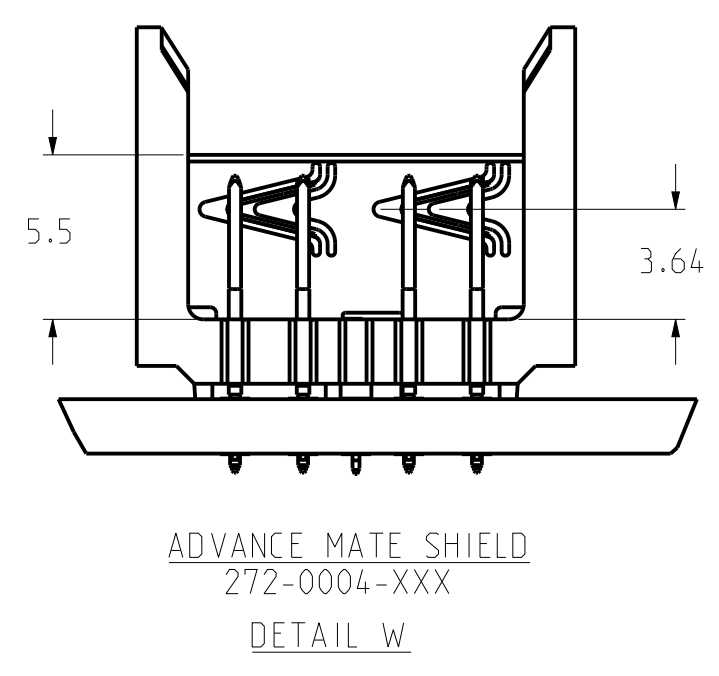
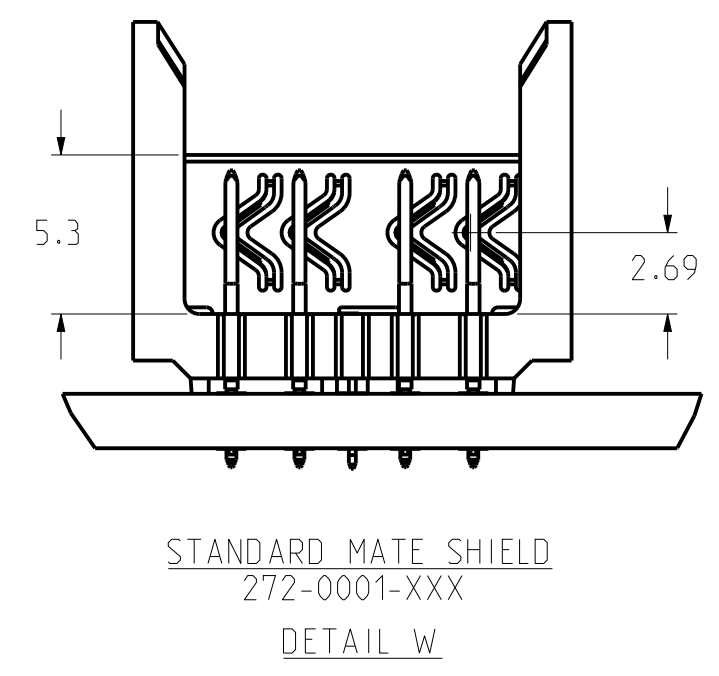
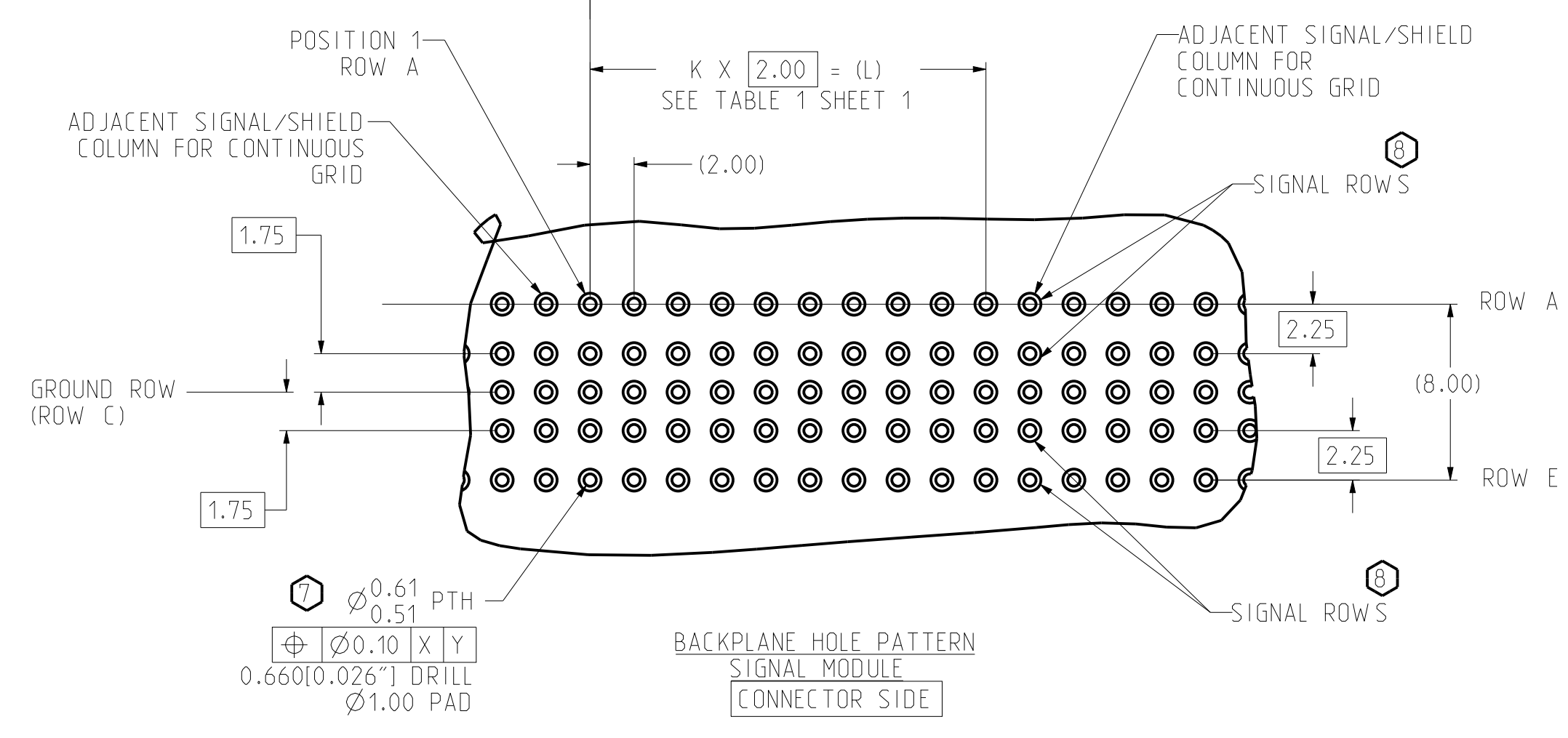
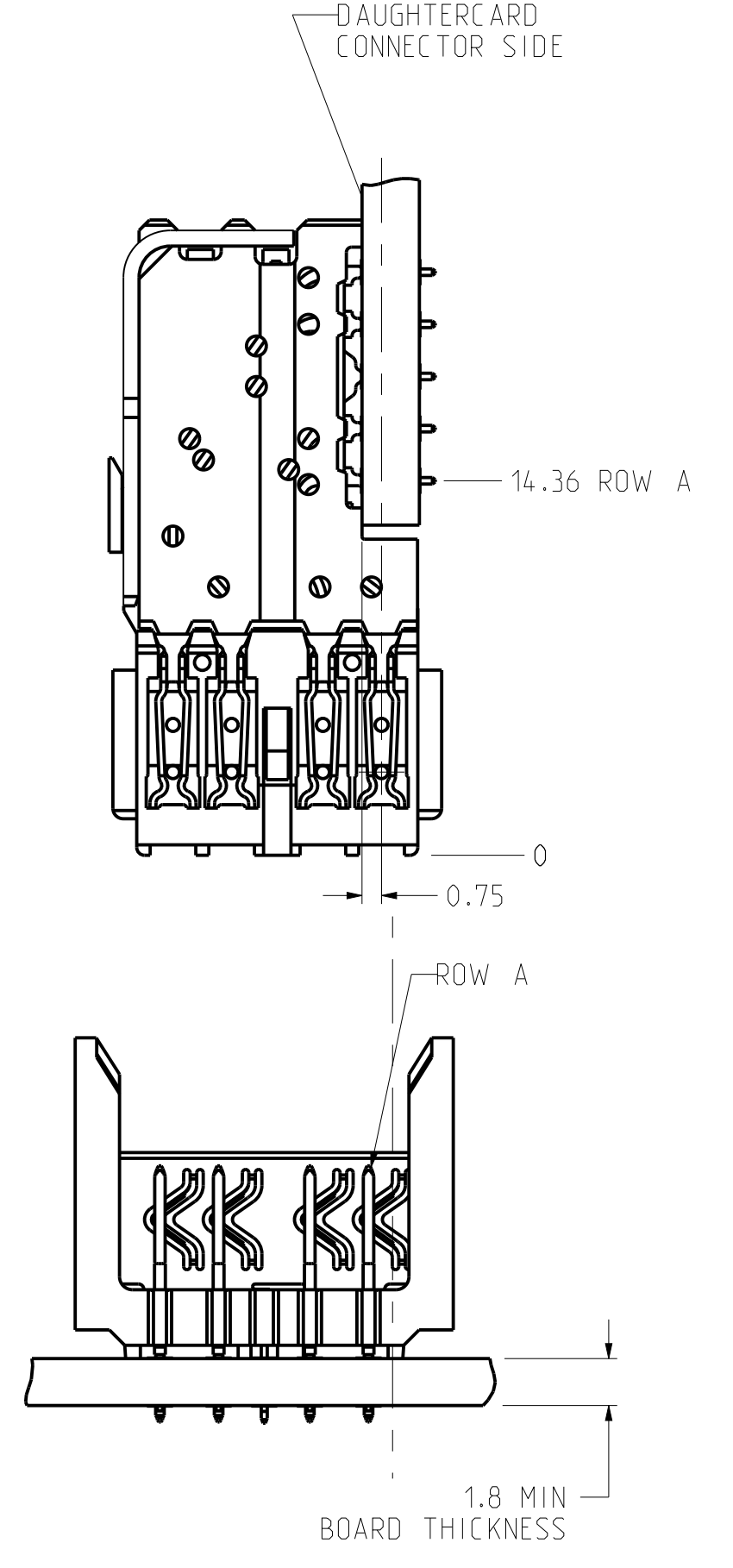
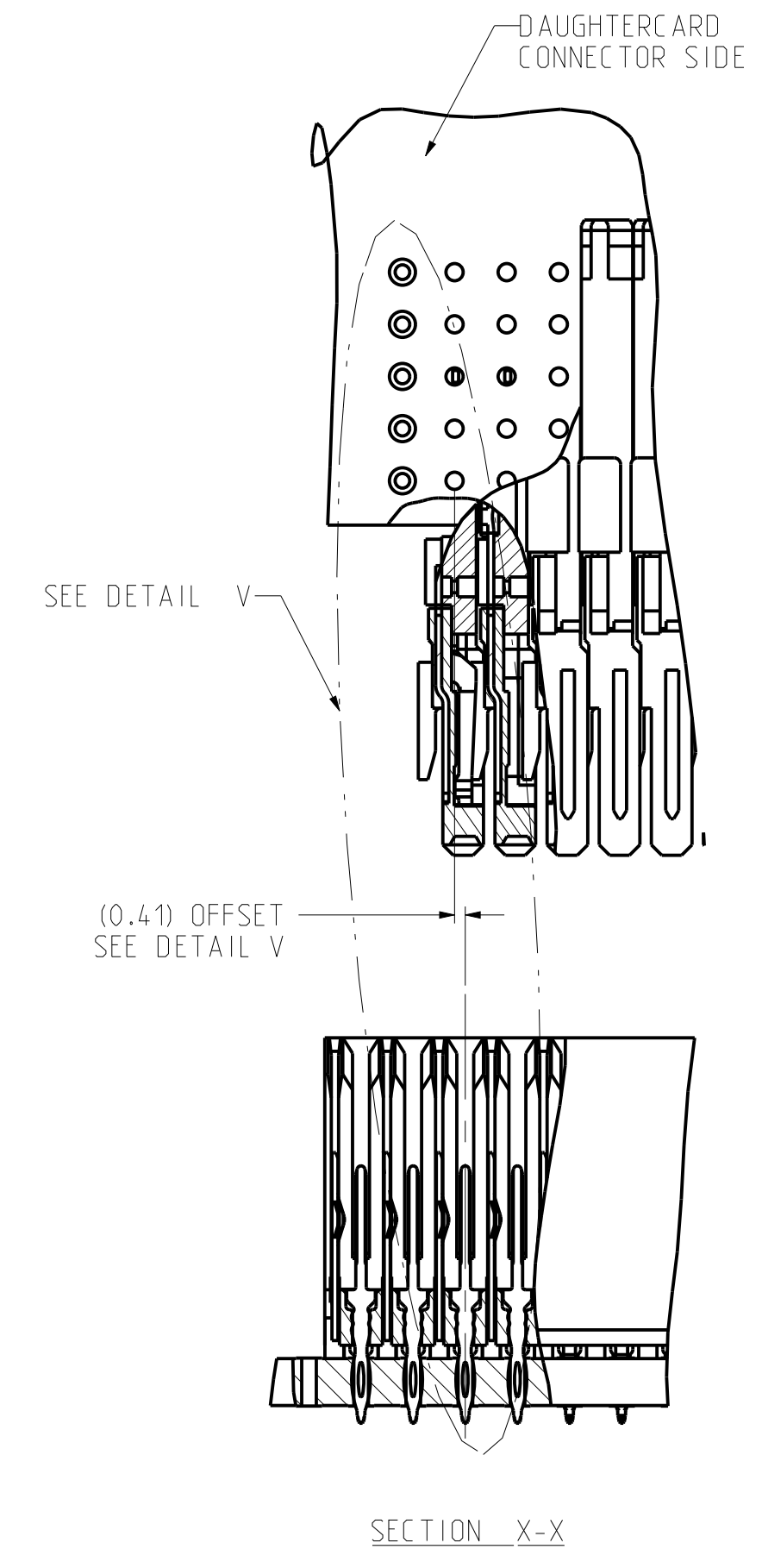
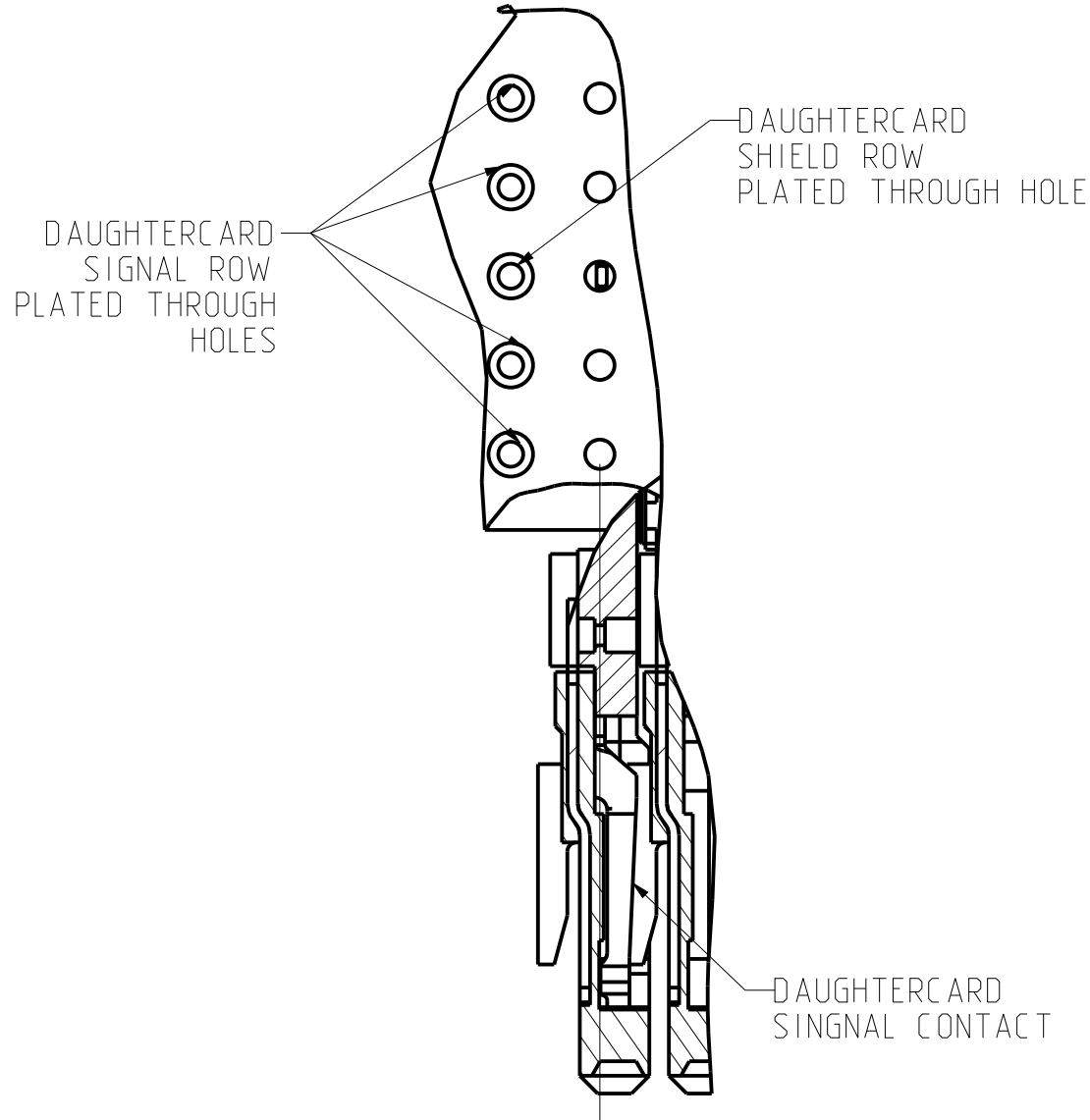
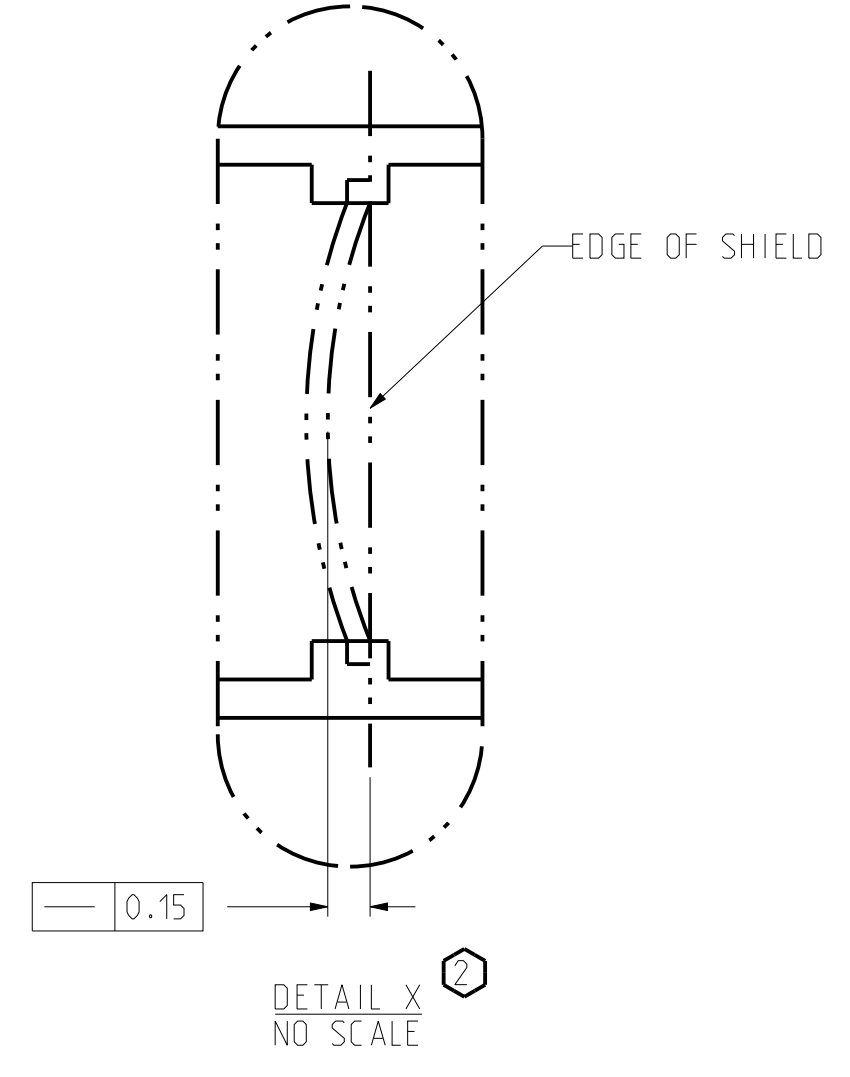
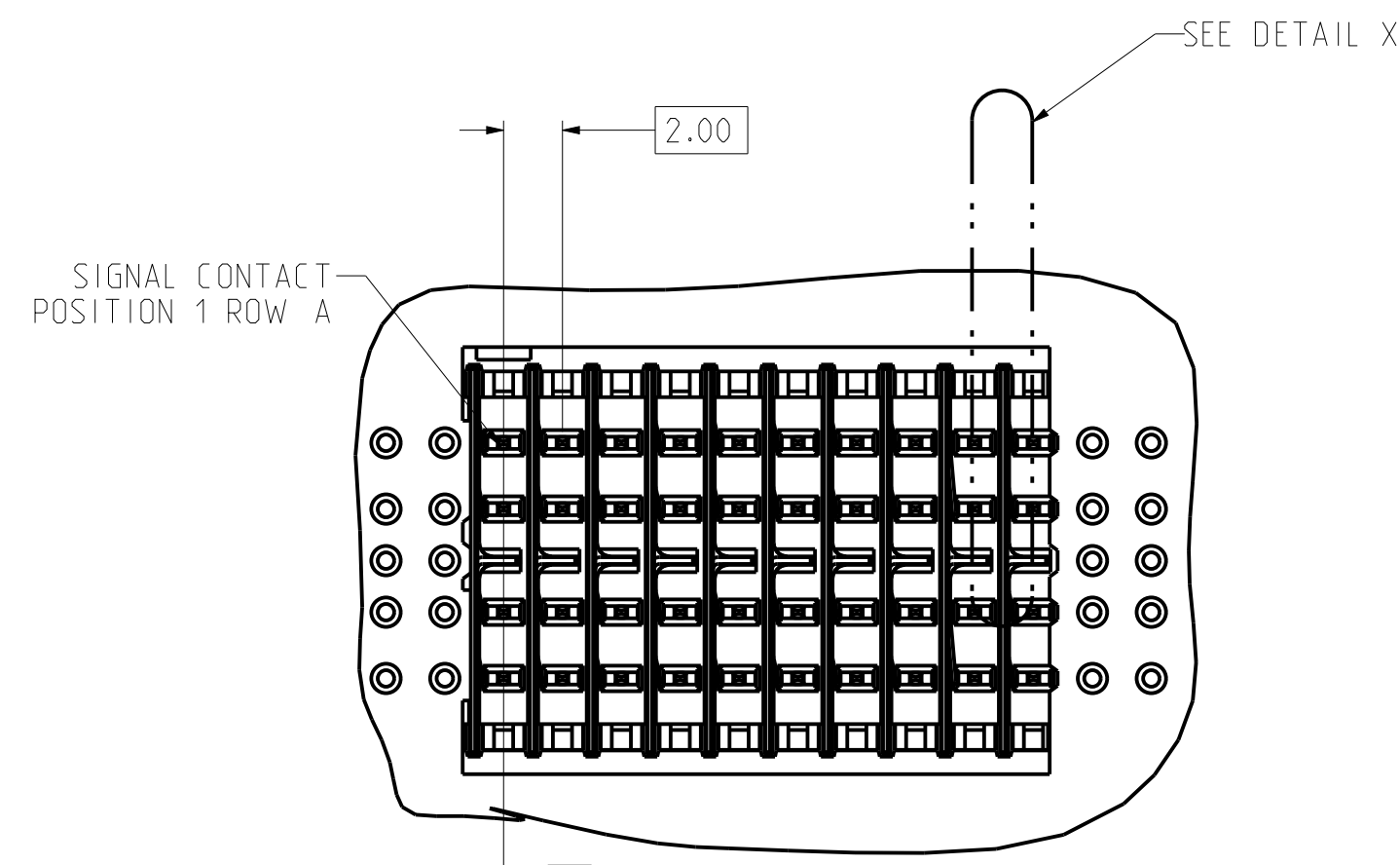
SH 1

REV K

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			D.Provencher

D  
C  
B  
A

D  
C  
B  
A



TOLERANCES	DESIGN	3/30/99	DP/JSG
0.0	±0.25	DRAWN	
0.00	±0.13	CHK	11/23/99 D.Provencher
0.000	± -	APVD	4/24/00 D.Provencher
ANGLES	± -		

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

TITLE BACKPLANE OPEN ENDED MODULE ASSEMBLY, 5 ROW VHDM-HSD

PART NO. SEE PART NUMBER TREE  
DRAWING NO. C-460-5010-500  
Pro/E Type: P1018-ASSY-BP-10-OPENGUIDE  
Pro/E DRAWING: C-460-5010-500

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

INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

CUSTOMER USE DRAWING

SIZE D SCALE 5/1 SHEET 2 OF 2