

BACKPLANE MODULE
ASSEMBLY PART NUMBER ASSIGNMENT

496 - X 0 XX - 0 X X

MODULE CONFIGURATION
OPEN TYPE

ASSEMBLY TYPE

- 2 - CUSTOM LOAD, LEAD FREE
- 4 - H-SERIES, UNIFORM LOAD
- 7 - CUSTOM LOAD, LEADED
- L = CUSTOM LOAD, LEADED, ADVANCED PLATING
- N = CUSTOM LOAD, LEAD FREE, ADVANCED PLATING

MODULE ORIENTATION
0 - OPEN

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

NUMBER OF COLUMNS (SEE TABLE 1)

- 10 = 10 COLUMN MODULE
- 25 = 25 COLUMN MODULE

ASSEMBLY PART NUMBER	BACKPLANE INSULATOR MODULE	K	(L)	TOTAL NUMBER OF SIGNAL CONTACTS	TOTAL NUMBER OF GROUND SHIELDS	M
496-4010-0XX	496-0110-060	9	(18.00)	60	10	19.00
496-4025-0XX	496-0125-060	24	(48.00)	150	25	49.00

ASSEMBLY PART NUMBER	SIGNAL CONTACT	CONTACT LENGTH
496-40XX-0X1	196-0012-	4.75
496-40XX-0X2	196-0011-	6.25
496-40XX-0X3	196-0013-	4.25
496-40XX-0X4	196-0014-	5.15

ASSEMBLY PART NUMBER	SHIELD CONTACT	SHIELD HEIGHT
496-40XX-0XX	197-0000-	5.30

NOTES:

1. INSULATORS (SEE TABLE 1 FOR P/N'S) SHALL BE VISUALLY INSPECTED, AND TO BE FREE OF DEFECTS OR DAMAGE SUCH AS CRACKS, CHIPS, SPLITS, VOIDS (NONFILL GREATER THAN 0.125 IN ANY AXIS IN WAFER AND SHIELD SLOTS AND OPEN ENDS AND 0.75 IN ANY AXIS IN ALL OTHER LOCATIONS) AND FLASH (FLASH) GREATER THAN 0.05 IN THICKNESS OR LENGTH IN WAFER SLOT, AND GREATER THAN 0.13 IN ALL OTHER LOCATIONS).
2. INSULATORS (SEE TABLE 1 FOR P/N'S) SHALL BE UNIFORM IN COLOR AND TEXTURE, AND SHALL BE FREE OF DIRT, OIL AND ANY FOREIGN MATTER.
3. ALL SIGNAL AND SHIELD CONTACTS SHALL BE VISUALLY INSPECTED USING A 2X SCOPE FOR SURFACE FINISH QUALITY. ANY EXHIBITING SURFACE SCRATCHES IN MATING AREAS OR SCRATCHES THAT EXPOSE BASE METAL (EXPOSED BASE METAL IS ALLOWED IN CARRIER STRIP CUTOFF AREA.) SHALL BE REJECTED. ALL CONTACTS SHALL BE VISUALLY INSPECTED, ANY SHOWING DAMAGE OR DEFECTS SUCH AS BURRS, TWIST, BENT OR OTHER DEFORMATION, SHALL BE REJECTED. ALL CONTACTS SHALL BE VISUALLY INPECTED FOR CORRECT TYPE AND QUANTITY LOADED (SEE TABLES 1 & 2).
4. ALL SIGNAL PINS AND SHIELDS MUST MEET A MINIMUM PUSH OUT FORCE OF 1 LB.

5. WHEN ASSEMBLED TO BACKPLANE INSULATOR, CONTACTS MUST SEAT FLUSH WITH INSULATOR TOP SURFACE TO A MAXIMUM ALLOWABLE GAP OF 0.25.

6. SHIELDS SHALL BE STRAIGHT WITH A MAXIMUM ALLOWABLE BOW OF 0.15 MILLIMETERS ON EITHER SIDE OF SHIELD. SEE DTAIL X.

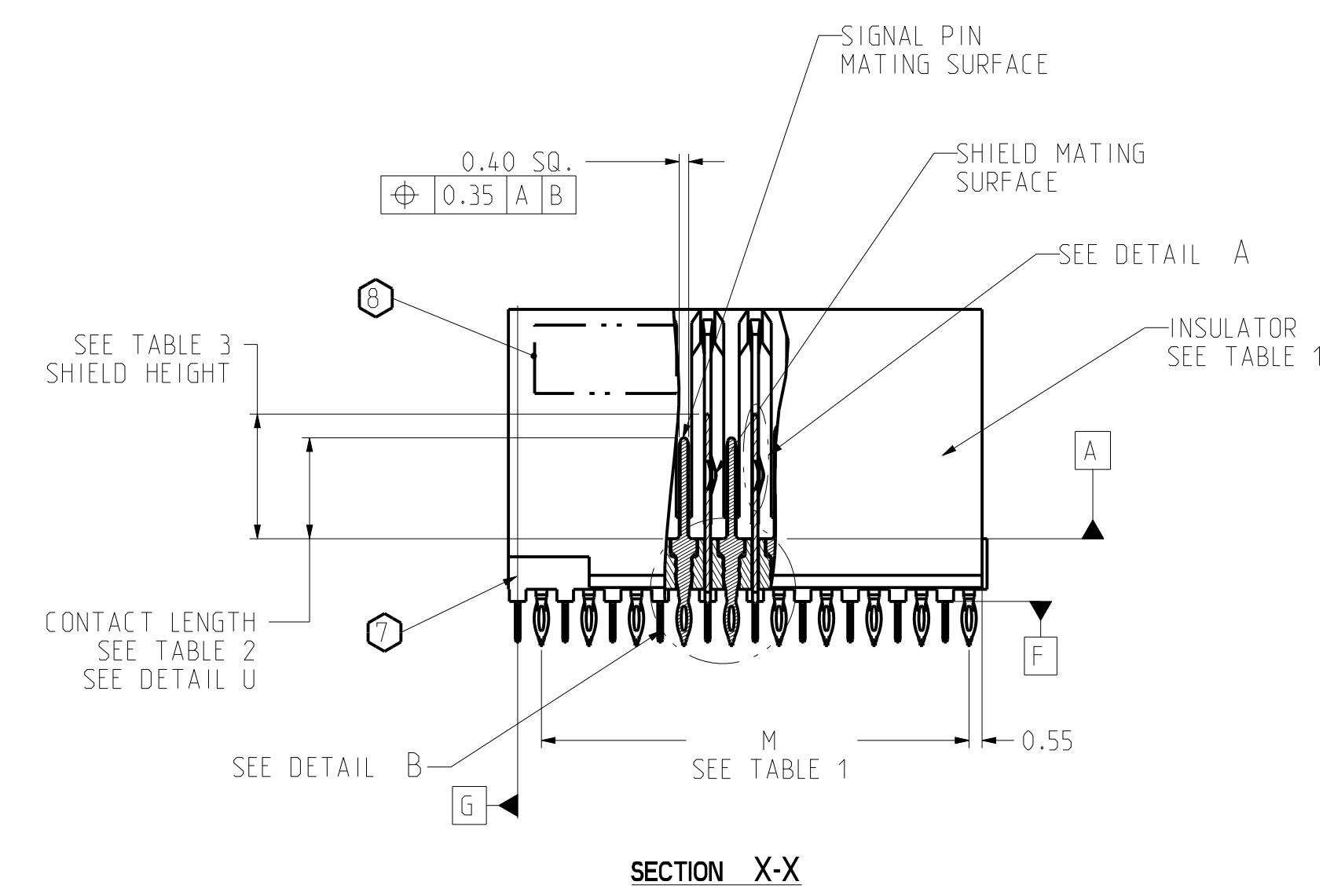
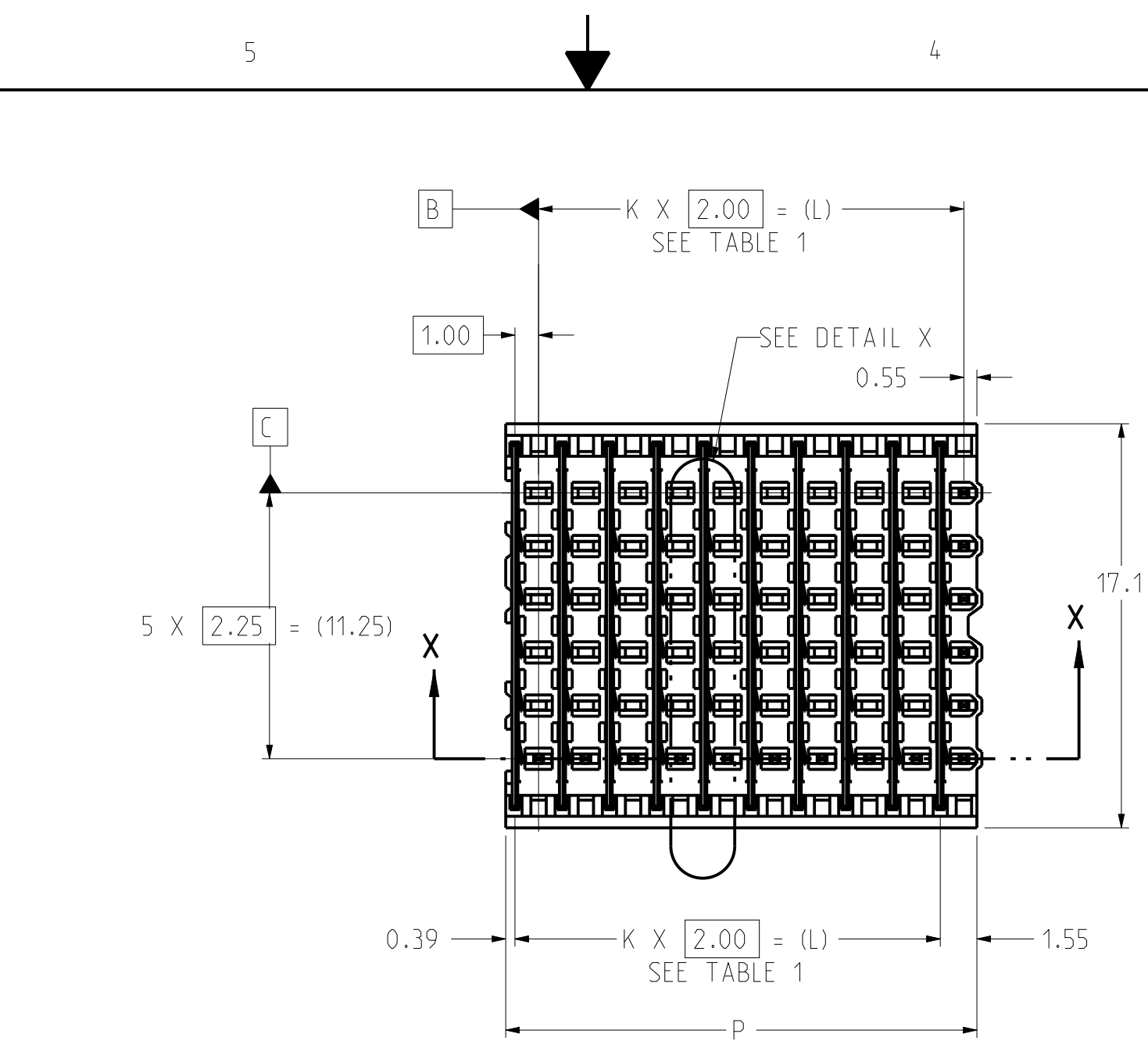
7. OPEN, NOTCH END DESIGNATES COLUMN 1.

8. SEE TB-2325 FOR PART MARKING REQUIREMENTS.

9. BACKPLANE SHIELD CONTACT BEAM TO BE 0.22 - 0.28 FROM SHIELD MATING SURFACE.

10. THE LAST THREE DIGITS OF THE SIGNAL CONTACT AND THE SHIELD CONTACT PART NUMBERS ARE DETERMINED BY THE PLATING CODE, PER EGS205, MATCHES PLATING DEFINED BY 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

11. FOR HASL FINISH REFER TO TECHNICAL BULLETIN TB20990.

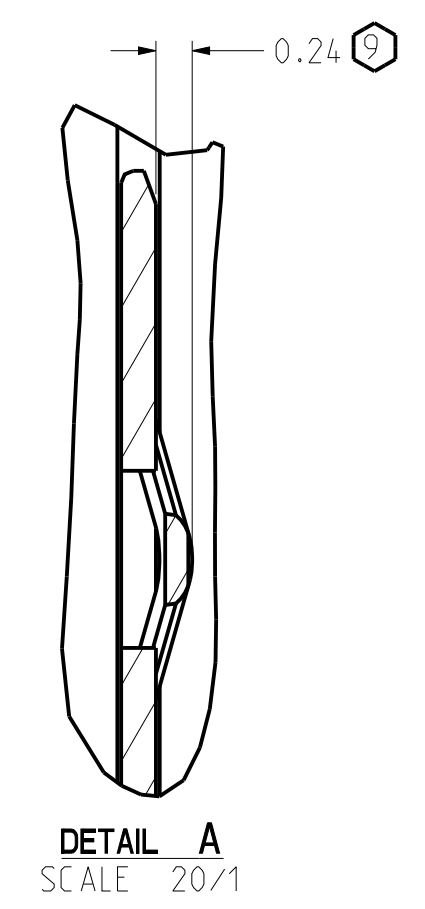
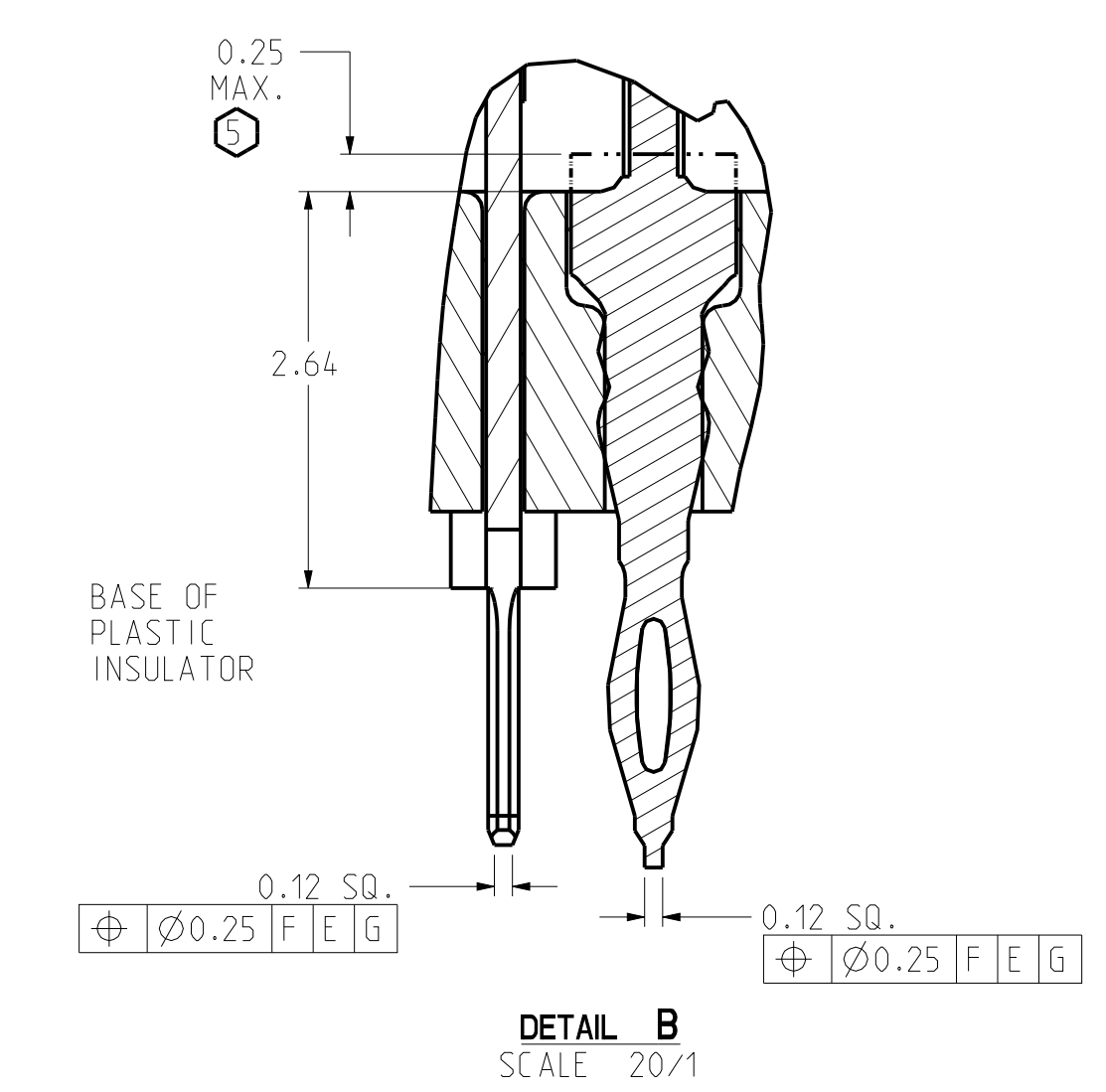
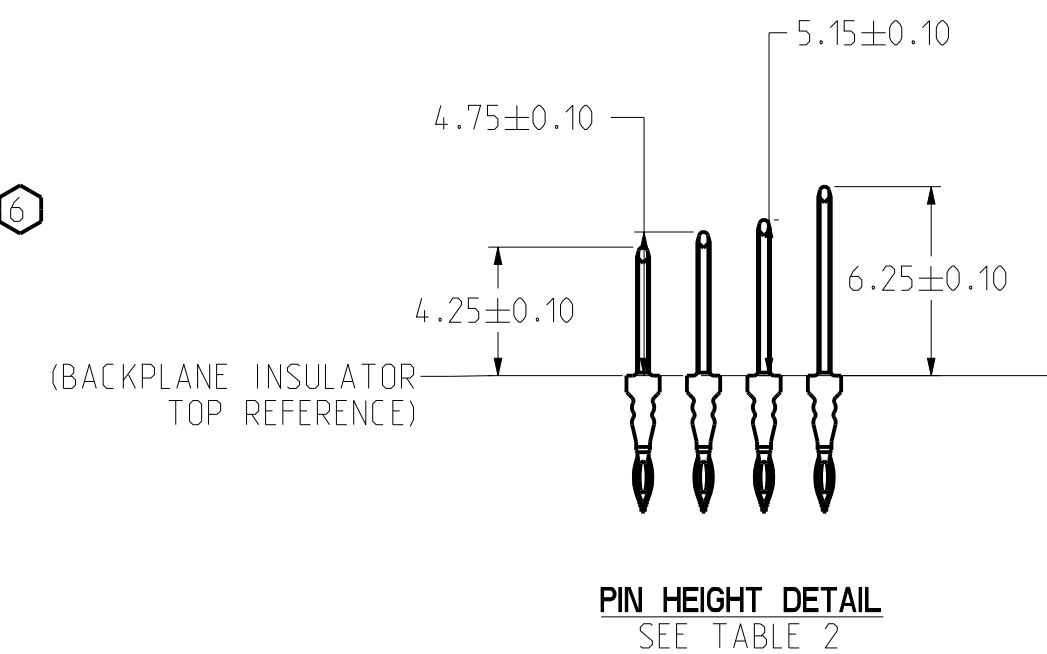
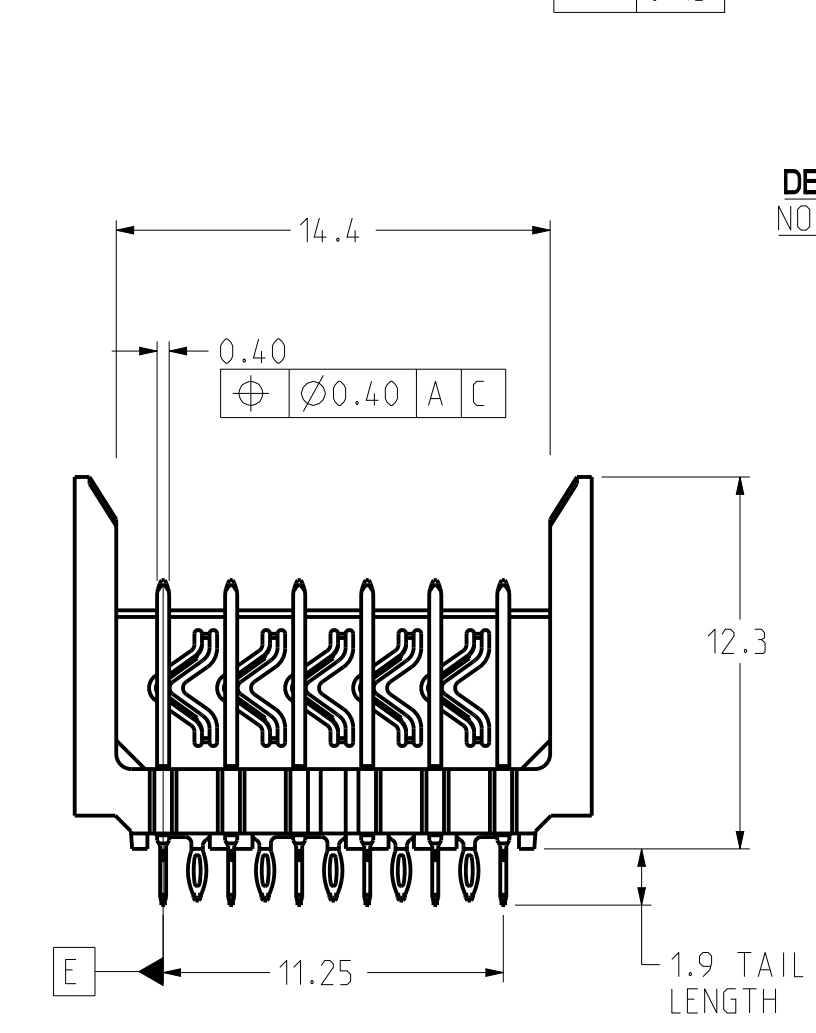
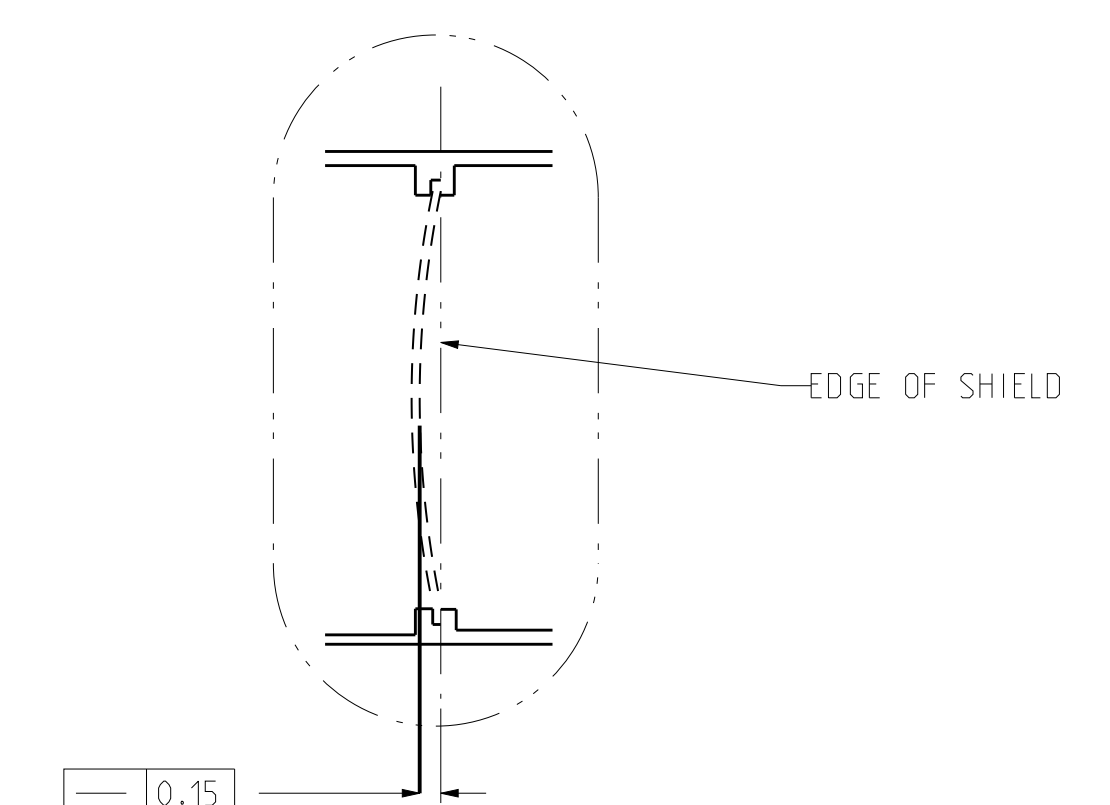


12. DATUM -A- IS DEFINED AS THE WAFER MATING SURFACE OF THE PLASTIC INSULATOR.
13. DATUM -B- IS DEFINED AS THE CENTERLINE OF THE TOP OF THE OUTERMOST WAFER SLOTS IN THE INSULATOR WALLS.
14. DATUM -C- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACT HOLES.
15. DATUM -E- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACTS TAIL SIDE.
16. DATUM -F- IS DEFINED AS THE BOTTOM SURFACE OF THE PLASTIC INSULATOR.
17. DATUM -G- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST ROWS OF SIGNAL AND SHIELD CONTACTS TAIL SIDE.
18. REMOVED.

19. PART NUMBERS 496-(2,3,5,6,7,8,9,L,N)0XX-0XX ARE DETAILED ON DRAWING C-496-5000-500

20. 496-(2,7,L,N)XXX-XXX ARE CUSTOM PART NUMBERS. DIGITS 5-10 ARE NOT SIGNIFICANT. THESE CONNECTORS CAN CONTAIN COMPONENTS THAT ARE NOT "H" SERIES. SEE DRAWING C-496-5000-500 FOR OTHER COMPONENT PART NUMBER OPTIONS.

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
ALL	-	MKAY-6QBGXB.VER01	NEW RELEASE	HCL	06/06/06	K. LEBLANC
-	A	CSAS-82CUAG.VER01	ADDED NEW PART NUMBERS FOR NEW PLATING CODES IN ASSEMBLY PART NUMBER ASSIGNMENT TREE. MODIFIED NOTES 10, 19 & 20. REMOVED NOTE 18 AND TABLE 6.	HCL-MH	02/07/2010	C.SAMMIS
-	B	DCOY-8P2RWF.VER01	IN TABLE 1 BACKPLANE INSULATOR MODULE P/N WAS 493-0110-060 & 493-0125-060 & TOTAL NUMBER OF SIGNAL CONTACTS WAS 80 & 200 IN TABLE 3 SHIELD CONTACT P/N WAS 195-000-XXX	HCL-RP	11/29/2011	D.COVEY
-	C	DCOY-A8XP57.VER01	UPDATED PART MARKING REQUIREMENTS	HCL-SD	05/189/2016	D.COVEY

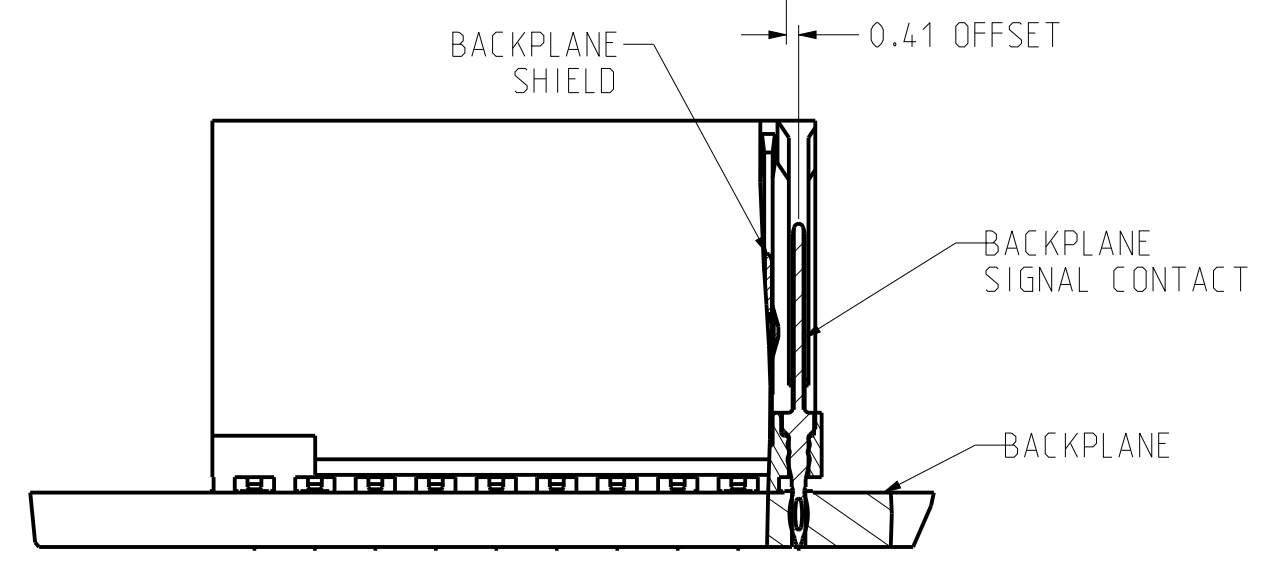
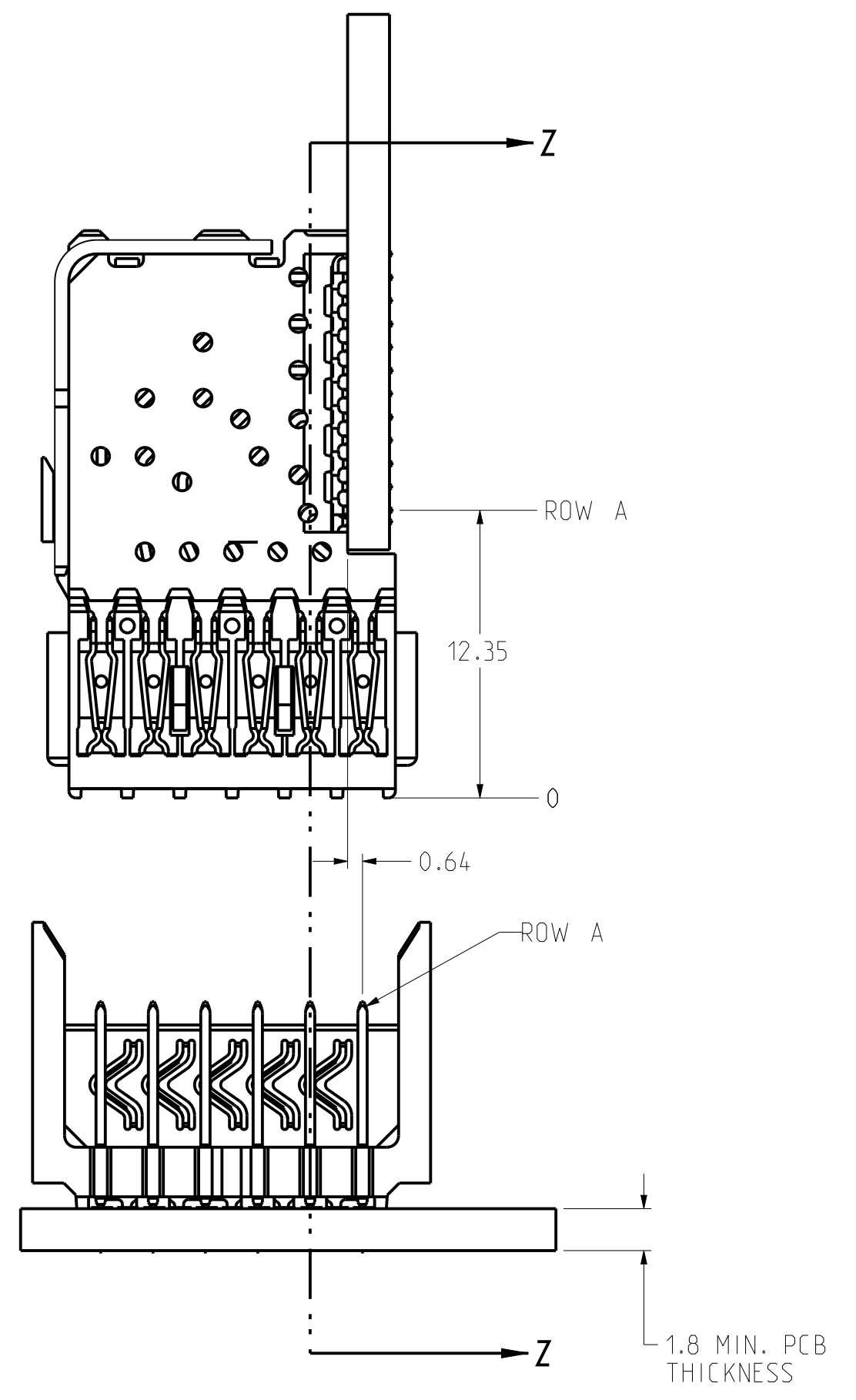
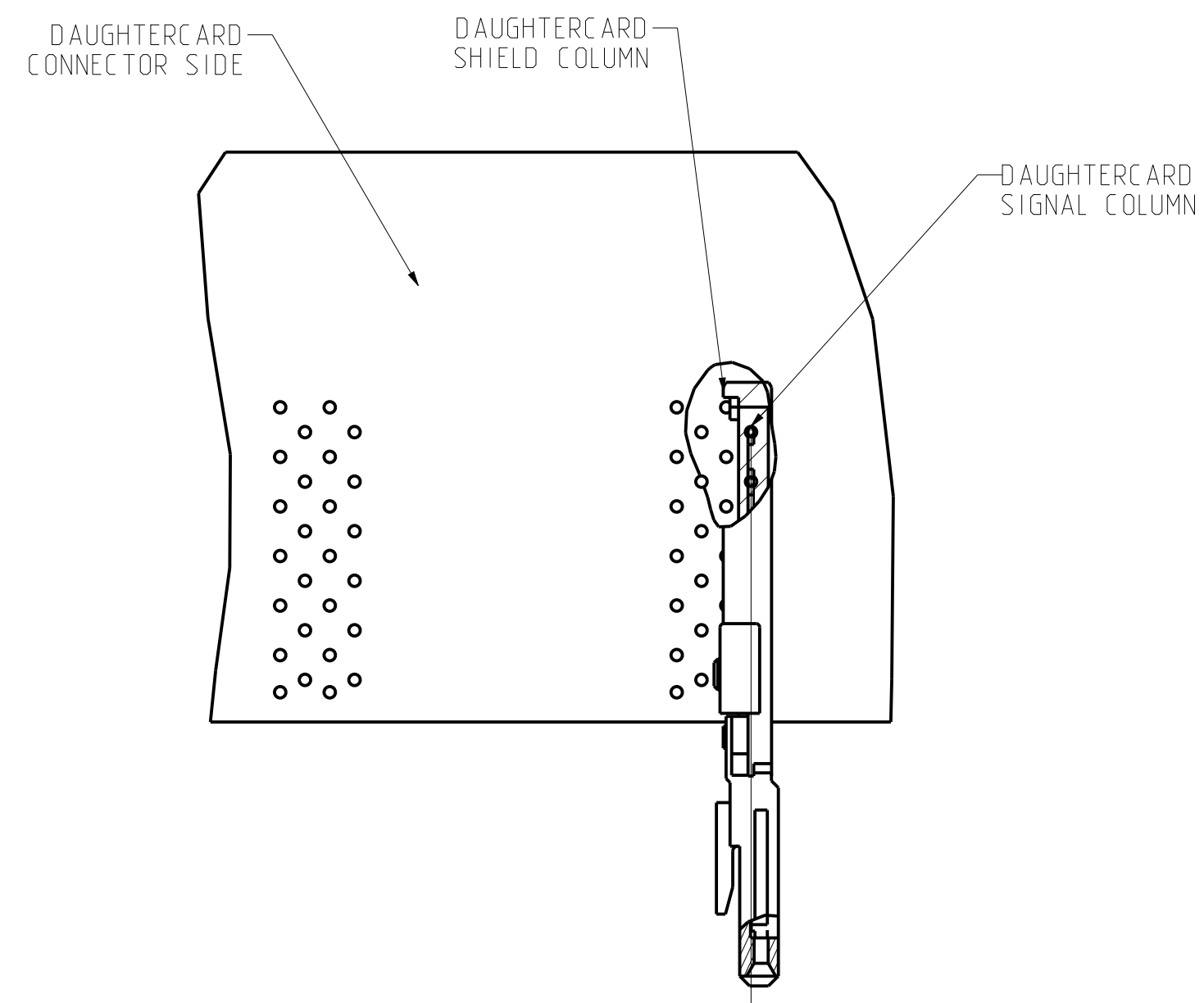


TOLERANCES	DESIGN	11/8/03	J. GIROUX	Amphenol TCS		
0.0	±0.25	DRAWN	06/06/06	A Division of Amphenol Corporation		
0.0	±0.13	CHK	12/16/03	200 Innovative Way, Nashua, NH 03082 603.879.3000		
0.000	± -	APVD	01/10/06	TITLE BACKPLANE MODULE ASSY		
ANGLES	± 3°			VHDM 6 ROW H-SERIES		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD				PART NO. SEE PART NUMBER TREE		
CODE IDENT 31413				DRAWING NO. C-496-4000-500		
CUSTOMER USE DRAWING				SCALE 4/1		
				SHEET 1 OF 2		

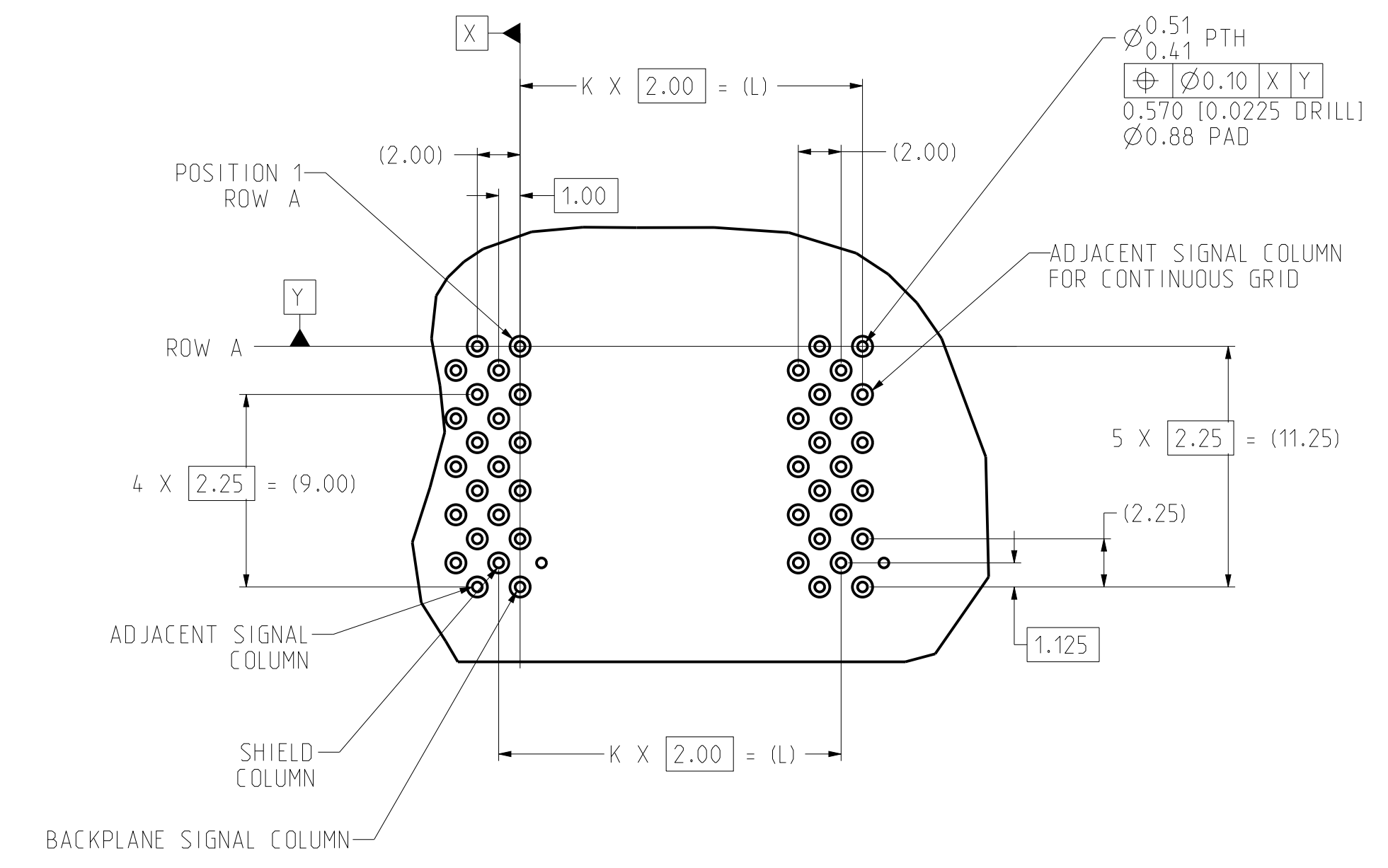
005-0007-967-1

SH 1 REV C

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



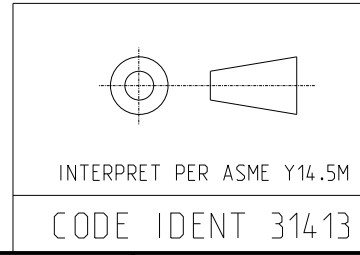
SECTION Z-Z



BACKPLANE HOLE PATTERN OPEN MODULE

TOLERANCES	DESIGN 11/8/03 J. GIROUX
0.0 ±0.25	DRAWN 05/05/05 HCL
0.00 ±0.13	CHK 12/16/03 N.BACON
0.000 ± -	APVD 01/10/06 K. LEBLANC
ANGLES ± 3°	

Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 803.879.3000	
TITLE	BACKPLANE MODULE ASSY VHDM 6 ROW H-SERIES
PART NO.	SEE PART NUMBER TREE
REV	N/A



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD.	REV	C
CUSTOMER USE DRAWING	REV	C
DRAWING NO. C-496-4000-500	REV	C
ASSEM P1046-CU-BPOPEN-ASSY	1.7	
DRAWING C-496-4000-500	B.1	
SCALE 4/1	SHEET 2 OF 2	

C-496-4000-500

SH 2 REV C