

BACKPLANE GUIDANCE/POLARIZING MODULE ASSEMBLY PART NUMBER ASSIGNMENT

- 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

POLARIZING PIN LOCATION CODE (SEE TABLE 4)

NO. OF POSN  
5 = 5 POSN  
10 = 10 POSN  
25 = 25 POSN

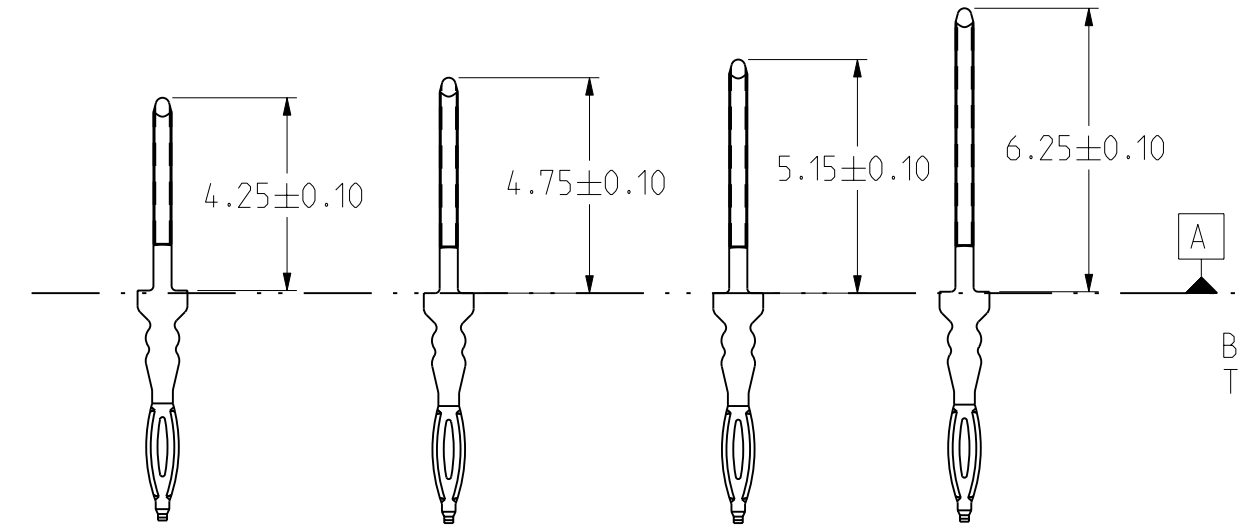
ASSEMBLY PART NUMBER	BACKPLANE GUIDANCE POLARIZING MODULE	K	(L)	P	TOTAL NUMBER OF SIGNAL CONTACTS	TOTAL NUMBER OF GROUND SHIELD
467-X110-XXX	467-0110-070	9	(18.00)	27.0	40	10
467-X125-XXX	467-0125-070	24	(48.00)	57.0	100	25
467-X105-XXX	467-0105-070	4	(8.00)	17.0	20	5

ASSEMBLY PART NUMBER	SIGNAL CONTACTS	CONTACT LENGTH
467-(3.5.8)1XX-XX1	260-0022-①	4.75
467-(3.5.8)1XX-XX2	260-0021-②	6.25
467-(3.5.8)1XX-XX3	260-0023-③	4.25
467-(3.5.8)1XX-XX4	260-0024-④	5.15
467-(6.9)1XX-XX1	260-0002-⑤	4.75
467-(6.9)1XX-XX2	260-0001-⑥	6.25
467-(6.9)1XX-XX3	260-0003-⑦	4.25
467-(6.9)1XX-XX4	260-0004-⑧	5.15

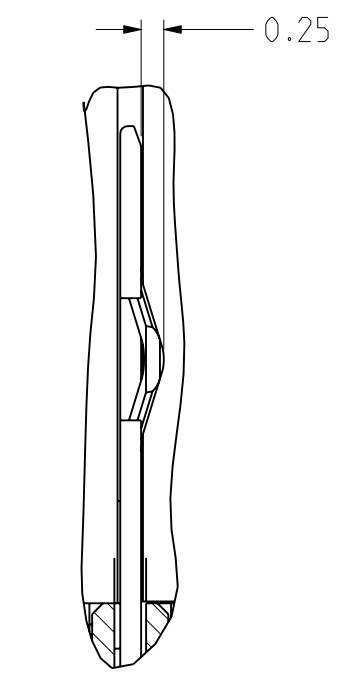
ASSEMBLY PART NUMBER	SHIELD CONTACTS SEE DETAIL W SH 2	SHIELD LENGTH
467-31XX-XXX	N/A	N/A
467-51XX-XXX	272-0021-⑨	5.3
467-61XX-XXX	272-0001-⑩	5.3
467-81XX-XXX	272-0024-⑪	5.5
467-91XX-XXX	272-0004-⑫	5.5

GUIDE AND POL PIN	PART NUMBER	N	P
STANDARD GUIDE PIN	564-0385-553	19.3	-
CUSTOM GUIDE PIN	564-0420-553	17.3	-
CUSTOM GUIDE PIN	564-0487-553	13.4	-
STANDARD POL PIN	564-0440-553	-	10.4

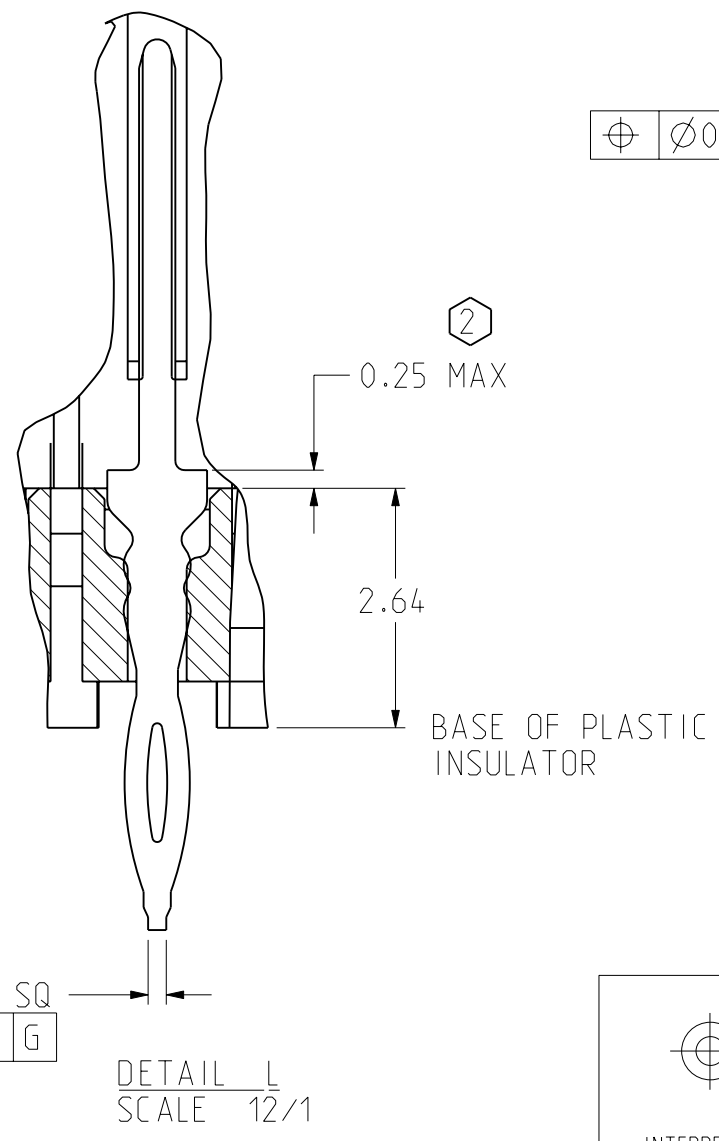
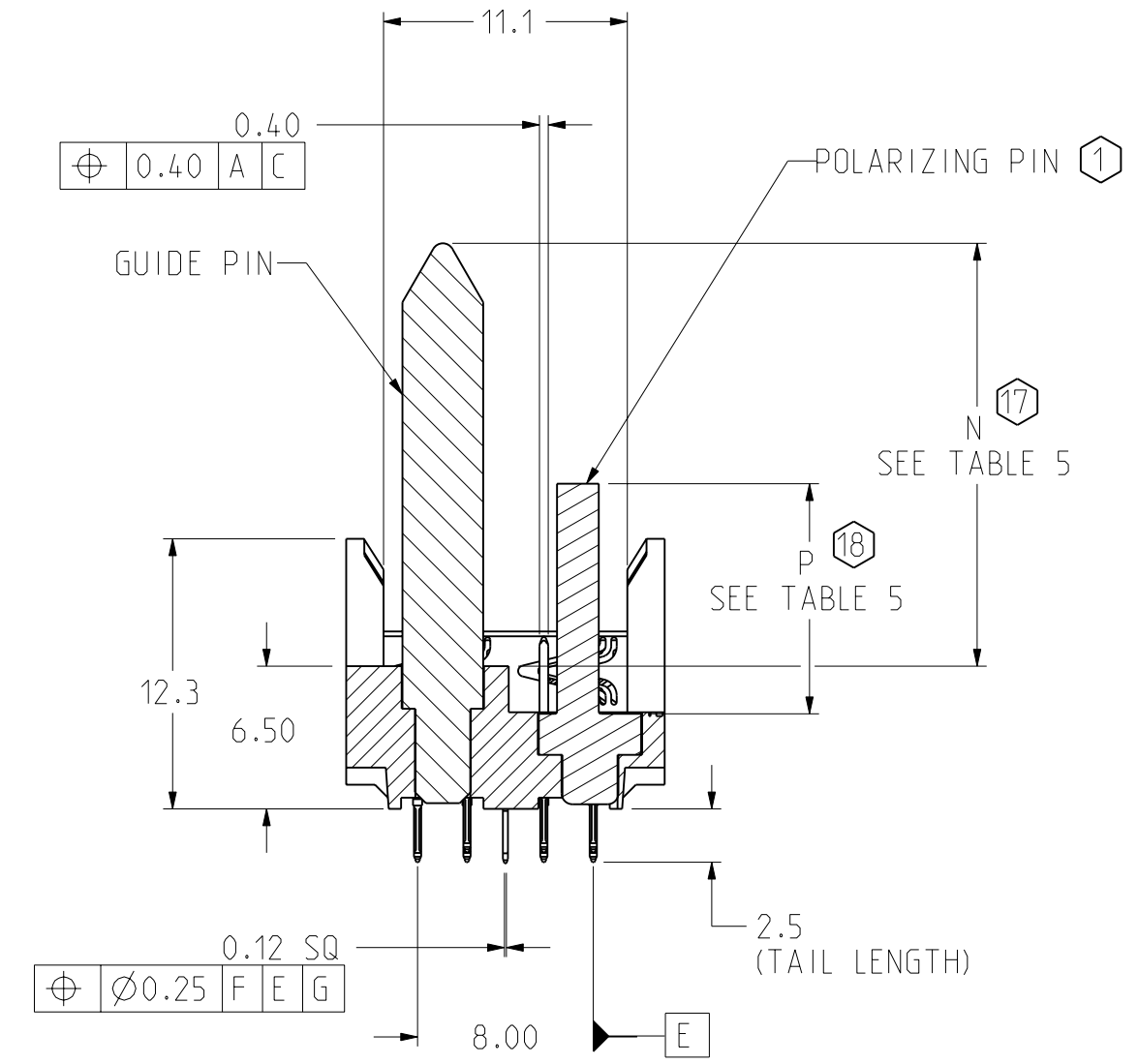
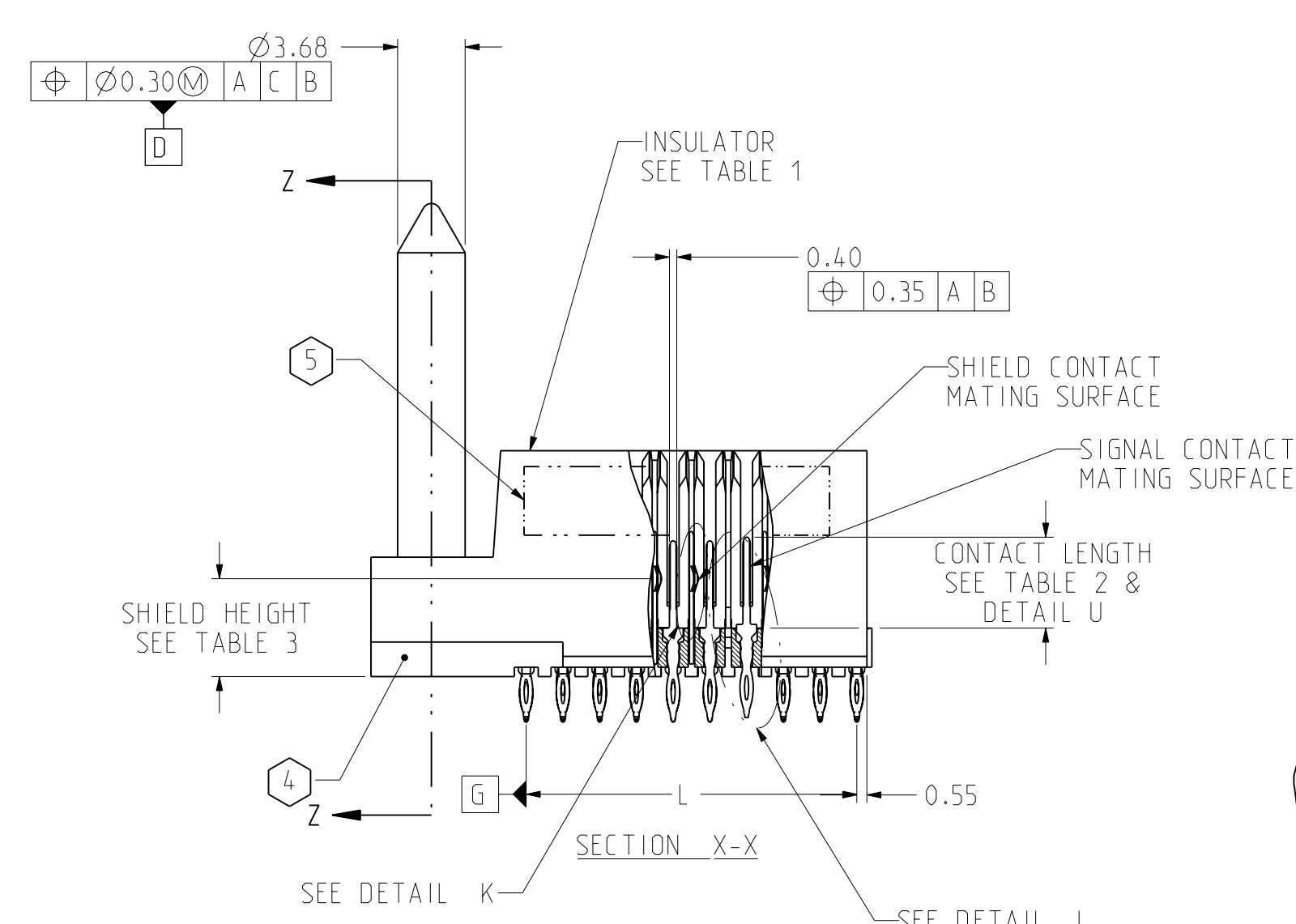
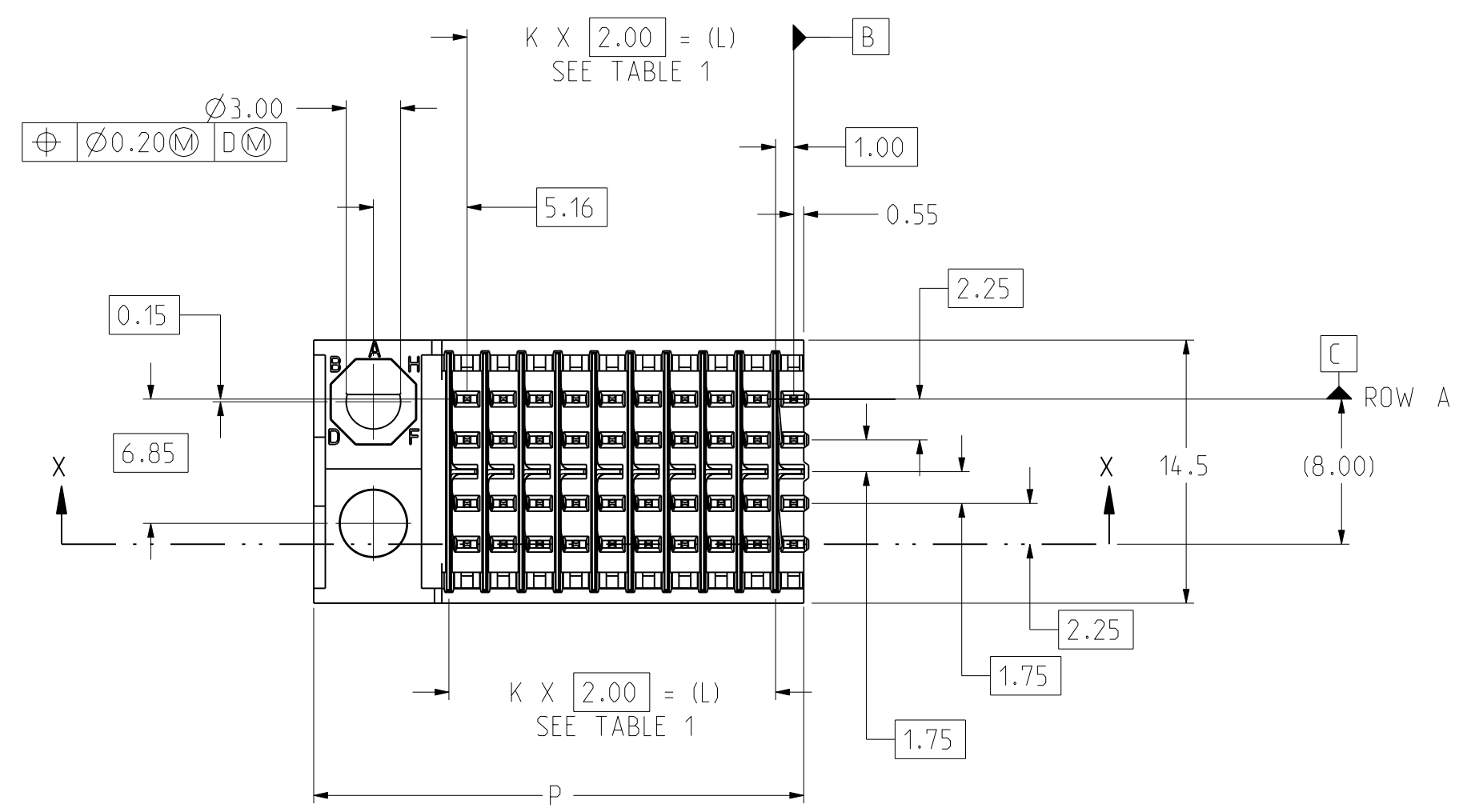
PART NUMBER 467-X1XX-( )	-0XX	-AXX	-BXX	-CXX	-DXX	-EXX	-FXX	-GXX	-HXX
POLARIZING PIN ORIENTATION									



DETAIL U SCALE 6/1 SEE TABLE 3



DETAIL K SCALE 12/11



DETAIL L SCALE 12/1

ZONE	REV	SCR NO.	DESCRIPTION	BY	DATE	APPROVED
-	-	29475	NEW RELEASE	JV	11/29/99	D.Provencher
-	A	32560	ADDED ADVANCE MATE SHIELD	JSG	5/9/01	LEBLANC
-	B	39370	ADDED VHDM TO TITLE	SG	8/01/02	YEH
-	C	40819	MODIFIED TABLE III	SG	1/27/03	W.LI
-	D	41020	ADDED TABLE V AND NOTE 9	SG	1/27/03	W.LI
-	E	WL11-5V6MMW.VER01	ADDED TABLE VI AND REVISED DATUMS	SG	1/30/04	W.LI
-	F	KLEC-63ANLR.VER01	ADDED 467-X105-XXX PART OPTION	JSG	7/29/04	LEBLANC
-	G	KLEC-66RSES.VER01	ADDED NOTES 17 & 18	SG	9/20/04	LEBLANC
-	H	DMAG-6BSMYQ.VER01	ADDED LEAD FREE PLATING OPTION	GKR	05/03/05	S.BAIR
-	J	MLEE-6KGMFU.VERXX	REPLACED DRAWING FORMAT	M.LEE	12/27/05	C.SAMMIS
-	K	SBAR-6NHL4J.VER01	UPDATED TABLE 2, TABLE 3 AND TABLE 6	HCL	04/11/06	K.LEBLANC
-	L	CSAS-82ZPTE.VER01	ADDED NEW PART NUMBERS FOR NEW PLATING CODES IN ASSEMBLY PART NUMBER ASSIGNMENT TREE REMOVED TABLE 6 AND NOTE 16. MODIFIED NOTE 6 AND 7.	HCL-MH	03/01/2010	C.SAMMIS

- NOTES:
- POLARIZING PIN MUST ALIGN AS INDICATED BY PART NUMBER CODE (SEE TABLE IV). TO INSURE PROPER ALIGNMENT, THE OCTAGONAL BASE PORTION OF THE PIN MUST BE POSITIONED INTO THE CORRESPONDING MOLDED CAVITY.
  - WHEN ASSEMBLED TO BACKPLANE INSULATOR, CONTACTS MUST SEAT FLUSH WITH INSULATOR STOP SURFACE TO A MAXIMUM ALLOWABLE GAP OF 0.25.
  - SHIELD SHALL BE STRAIGHT WITH MAXIMUM ALLOWABLE BOW OF 0.15 MILLIMETERS ON EITHER SIDE OF SHIELD. SEE DETAIL X. SEE SHEET 2.
  - OPEN NOTCH END DESIGNATES COLUMN 1.
  - PART MARKING AS FOLLOWS:  
LINE 1: ATCSYYWWDHH (LOGO, YEAR, WEEK, DAY, HOUR)  
LINE 2: MODULE PART NUMBER (467#####)  
LINE 3: WORK ORDER NUMBER (WH#####) WHERE "-" DENOTES MANUFACTURING LOCATION.
  - IF MODULE PART NUMBER IS 467-7XXX-XXX OR 467-2XXX-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.
  - 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
  - FOR HASL ONLY, PTH TO BE 0.610 - 0.495 MILLIMETERS.
  - ROUTE DIFFERENTIAL PAIRS THROUGH A-B AND D-E.
  - DATUM -A- IS DEFINED AS THE WAFER MATING SURFACE OF THE PLASTIC INSULATOR.
  - DATUM -B- IS DEFINED AS THE CENTERLINE OF THE TOP OF THE OUTERMOST WAFER SLOTS IN THE INSULATOR WALLS.
  - DATUM -C- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST ROWS OF SIGNAL CONTACT HOLES.
  - DATUM -E- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACTS TAIL SIDE.
  - DATUM -F- IS DEFINED AS THE BOTTOM SURFACE OF THE PLASTIC INSULATOR.
  - DATUM -G- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST ROWS OF SIGNAL CONTACTS TAIL SIDE.
  - REMOVED.
  - USING GUIDE PINS THAT ARE SHORTER THAN THE STANDARD HEIGHT OF 19.3mm AND POLARIZING PINS THAT ARE SHORTER THAN THE STANDARD HEIGHT OF 12.6mm MAY NOT PROVIDE THE SUFFICIENT X AND Y AXIS ALIGNMENT AND POLARIZING PROTECTION PRIOR TO COMMENCEMENT OF ALL COMPONENT MATING SEQUENCES. CONSULT TERADYNE APPLICATIONS ENGINEERING PRIOR TO SYSTEMS DESIGN AND COMPONENT SELECTION.
  - STANDARD GUIDE PIN (564-0385-553) AND STANDARD POLARIZING PIN (564-0387-540) ARE IN STANDARD 5000 SERIES MODEL ASSEMBLIES. ANY GUIDE PIN OR POLARIZING PIN OTHER THAN THESE STANDARD NUMBERS WILL RESULT IN CUSTOM 7XXX OR 2XXX OR LXXX OR NXXX SERIES MODULE ASSEMBLIES BEING ASSIGNED.

INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

TOLERANCES	DESIGN	7/2/99	D.Provencher
0.0	±0.25	DRAWN	
0.00	±0.13	CHK	11/23/99
0.000	±	D.Provencher	
ANGLES	±	APVD	4/27/00

CUSTOMER USE DRAWING

**Amphenol TCS**  
A Division of Amphenol Corporation  
200 Innovative Way, Nashua, NH 03062 803.879.3000

TITLE: BACKPLANE POLARIZING/GUIDANCE M ASSEMBLY, LEFT, 5 ROW VHDM-HSD

PART NO.: SEE PART NUMBER TREE  
REV: N/A

DRAWING NO.: C-467-5110-500  
REV: L

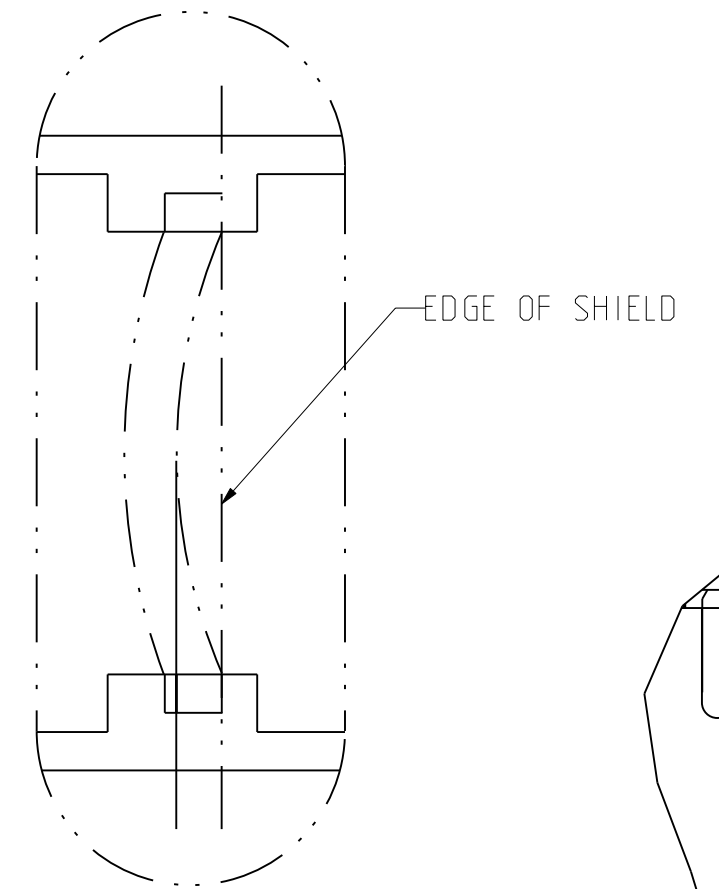
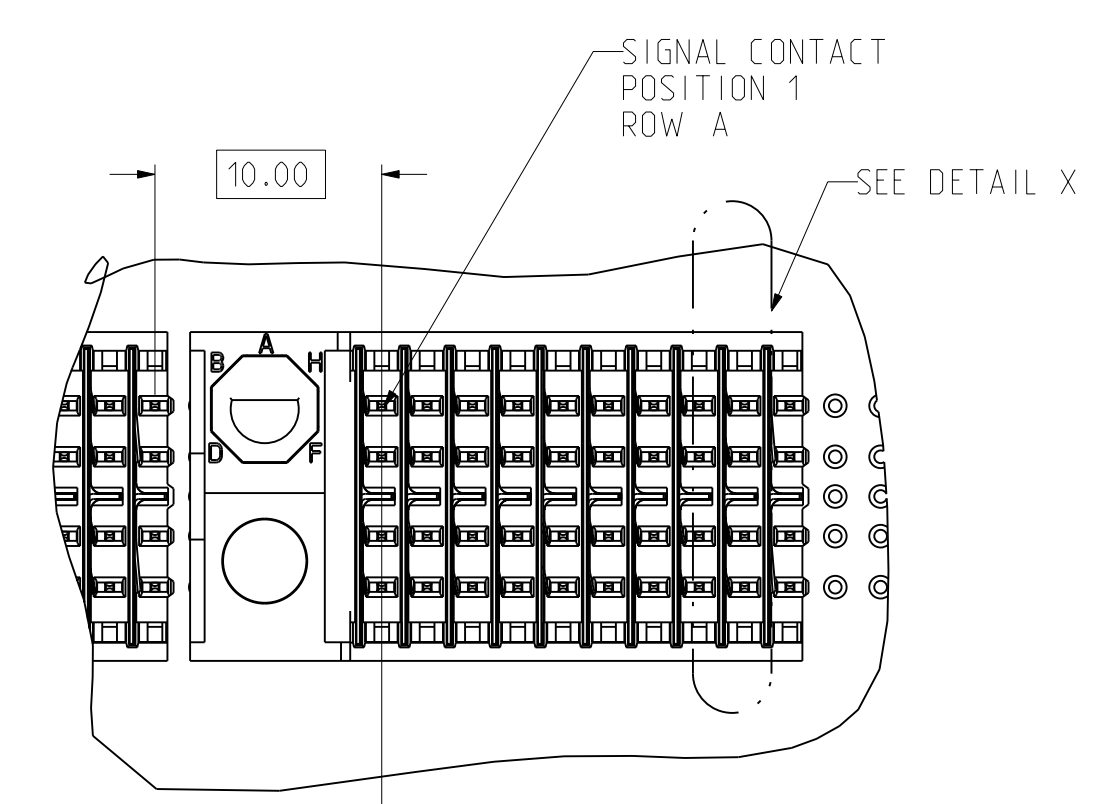
PROF TYPE: P1018-ASSY-BP-10-LEFTGUIDE-BRD  
PROF DRAWING: C-467-5110-500  
L.O.

SIZE: D SCALE: 3/1 SHEET: 1 OF 2

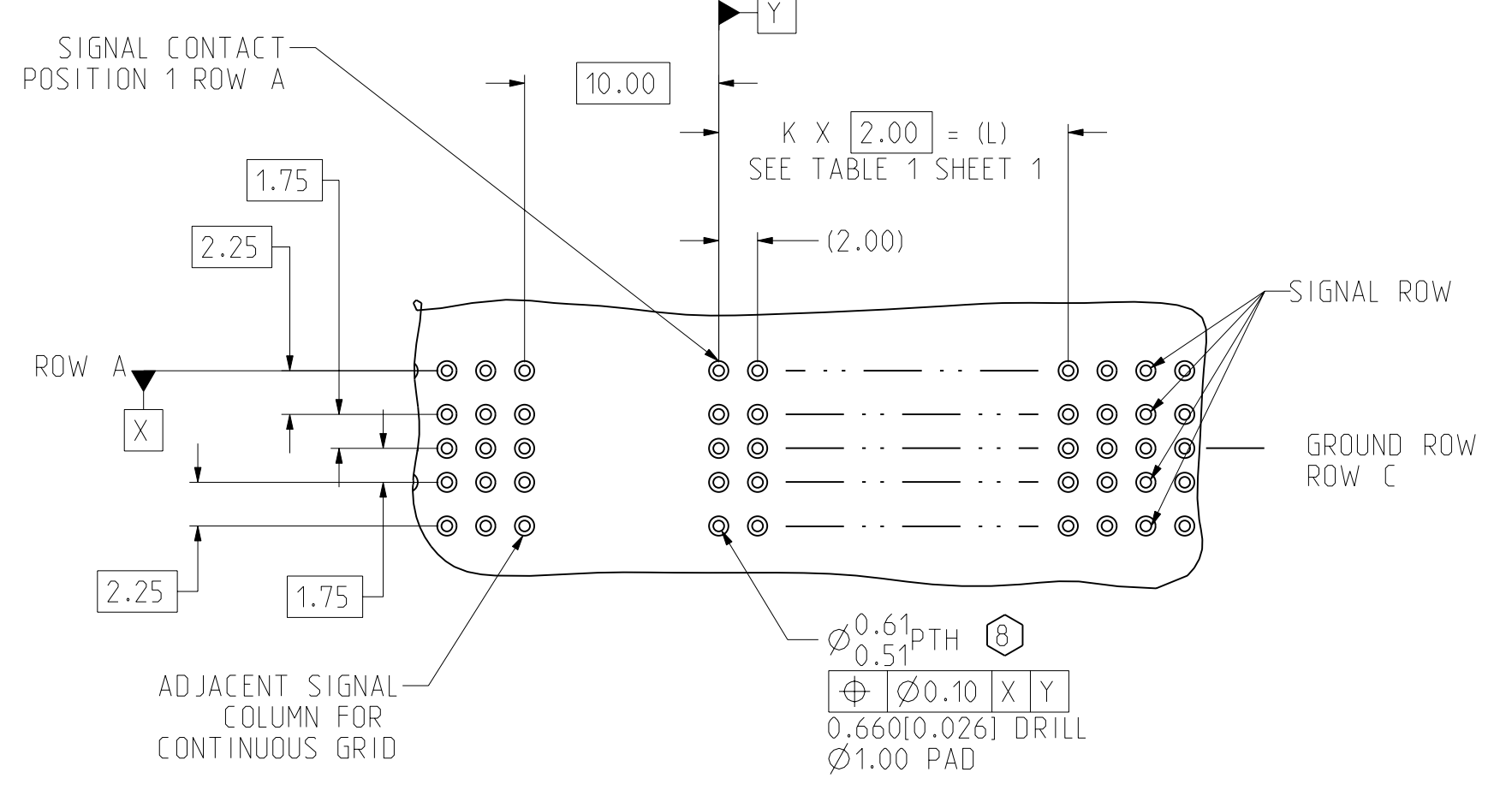
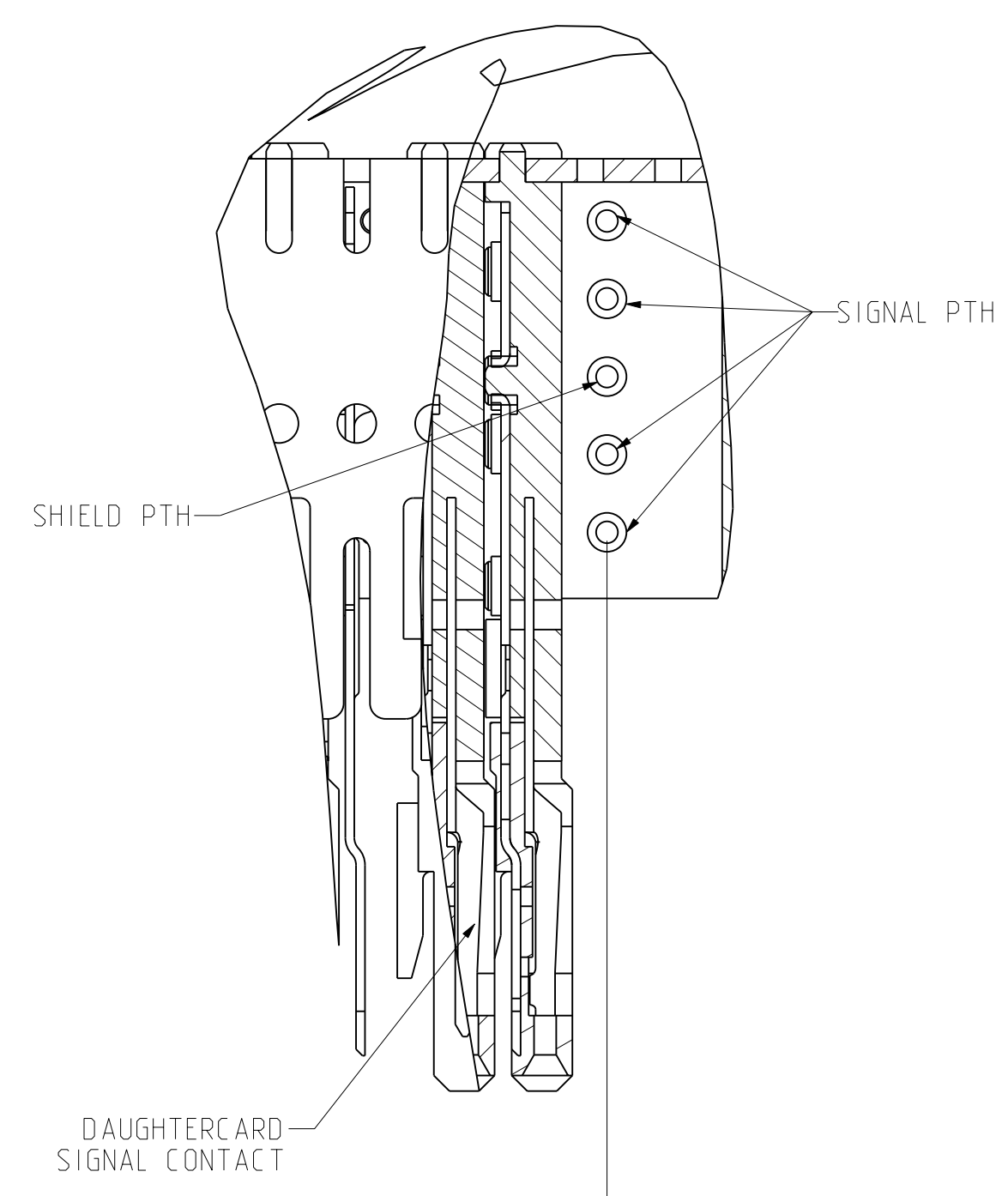
DRW NO.	C-467-5110-500	SH	2	REV	L	
ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

D  
C  
B  
A

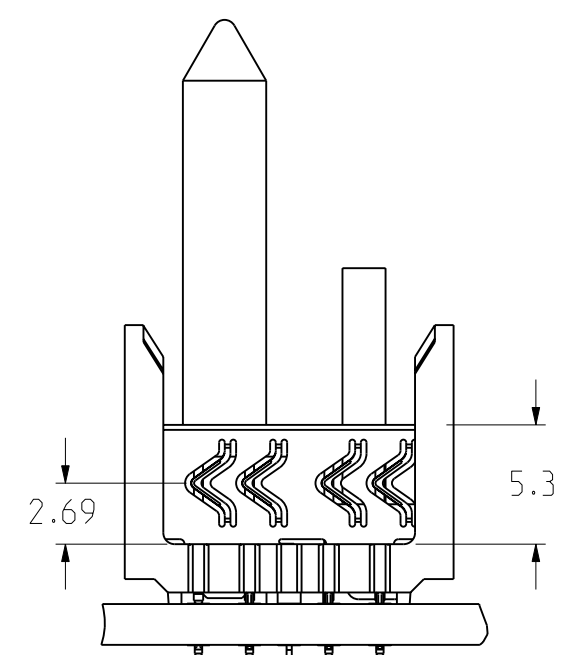
D  
C  
B  
A



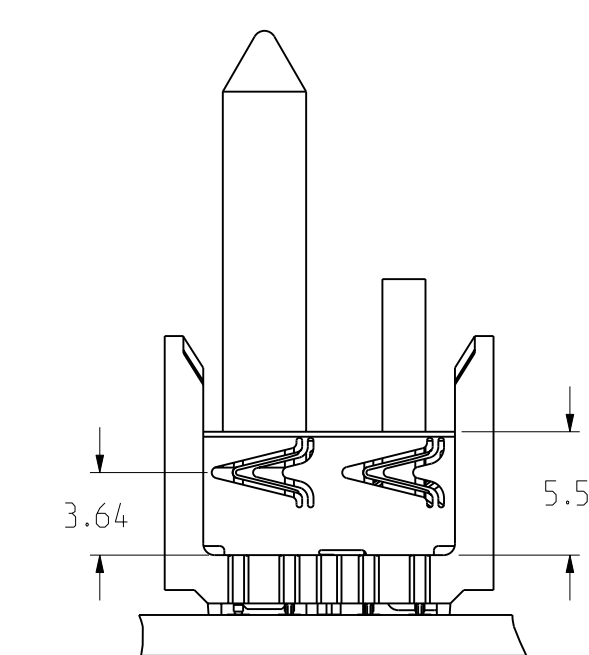
DETAIL X  
NO SCALE



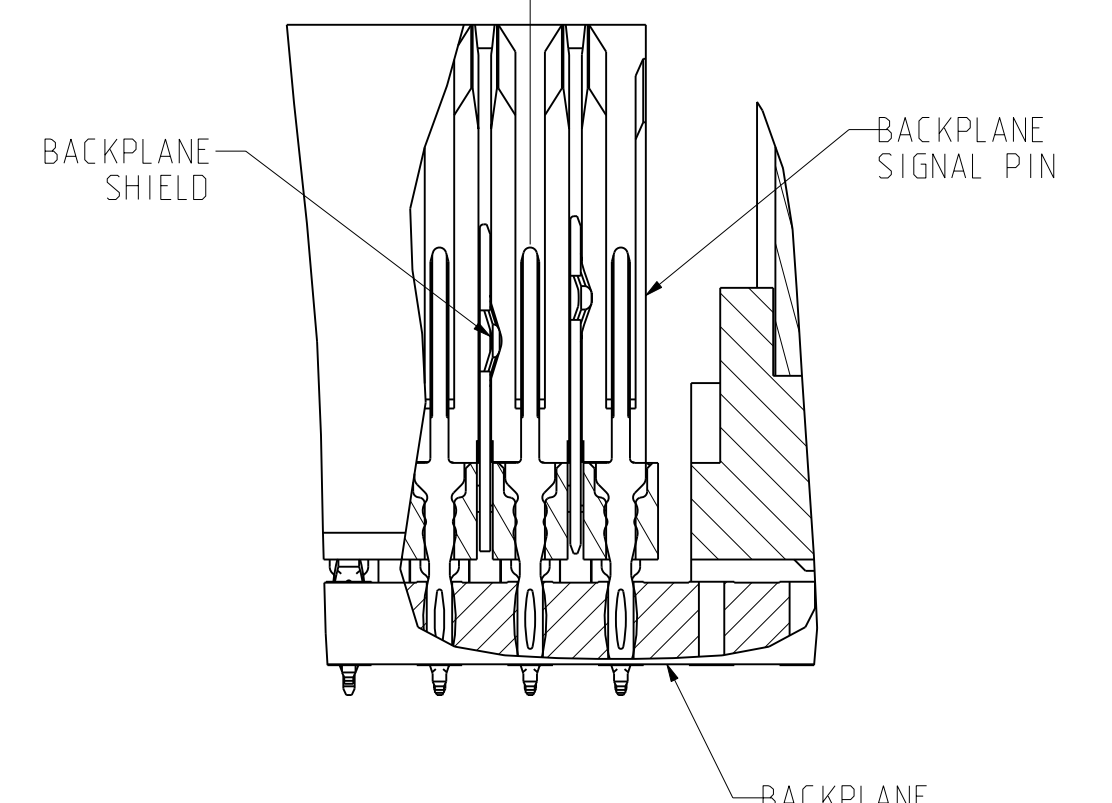
BACKPLANE HOLE PATTERN  
SIGNAL WITH GUIDANCE  
CONNECTOR SIDE



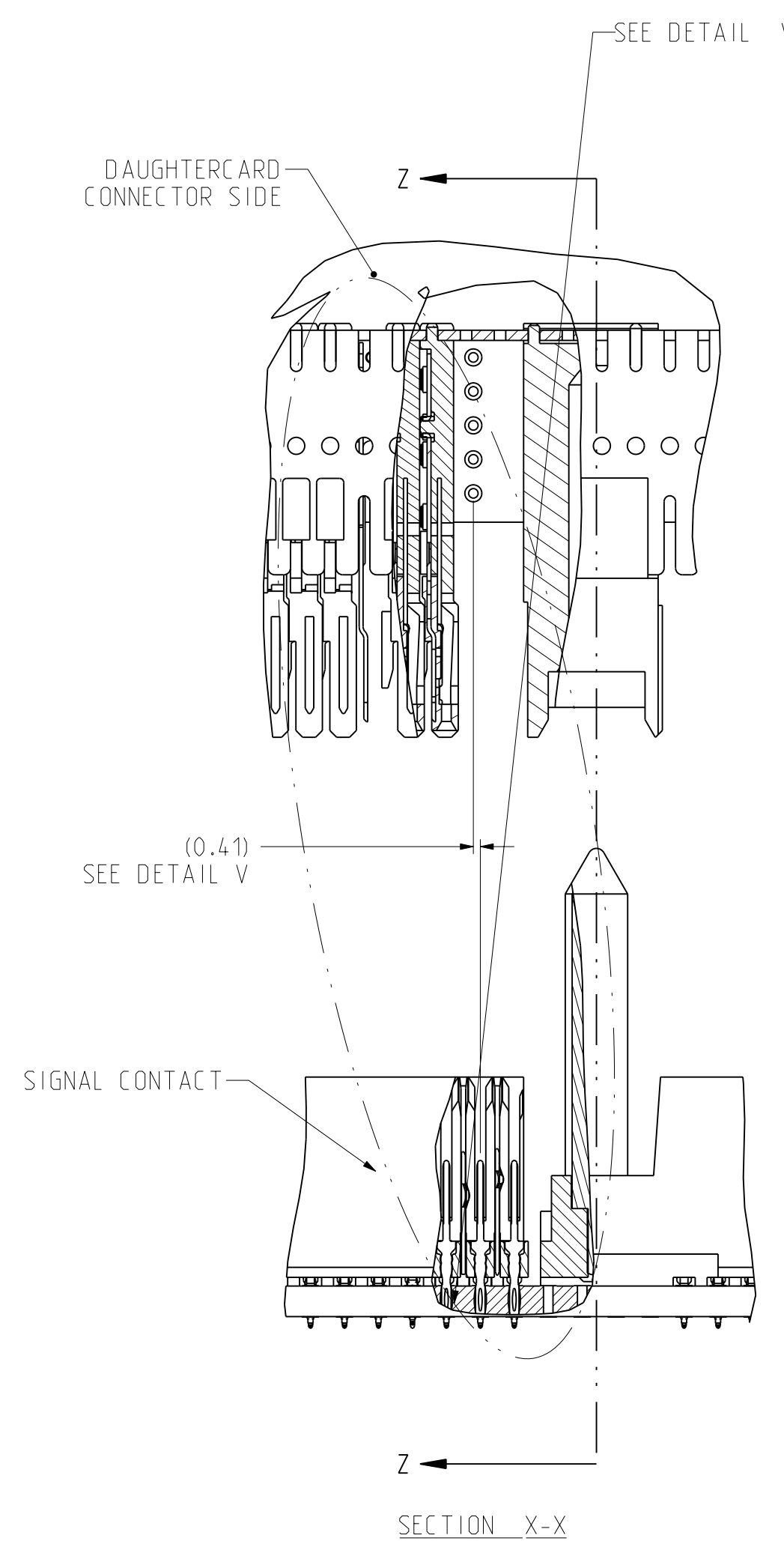
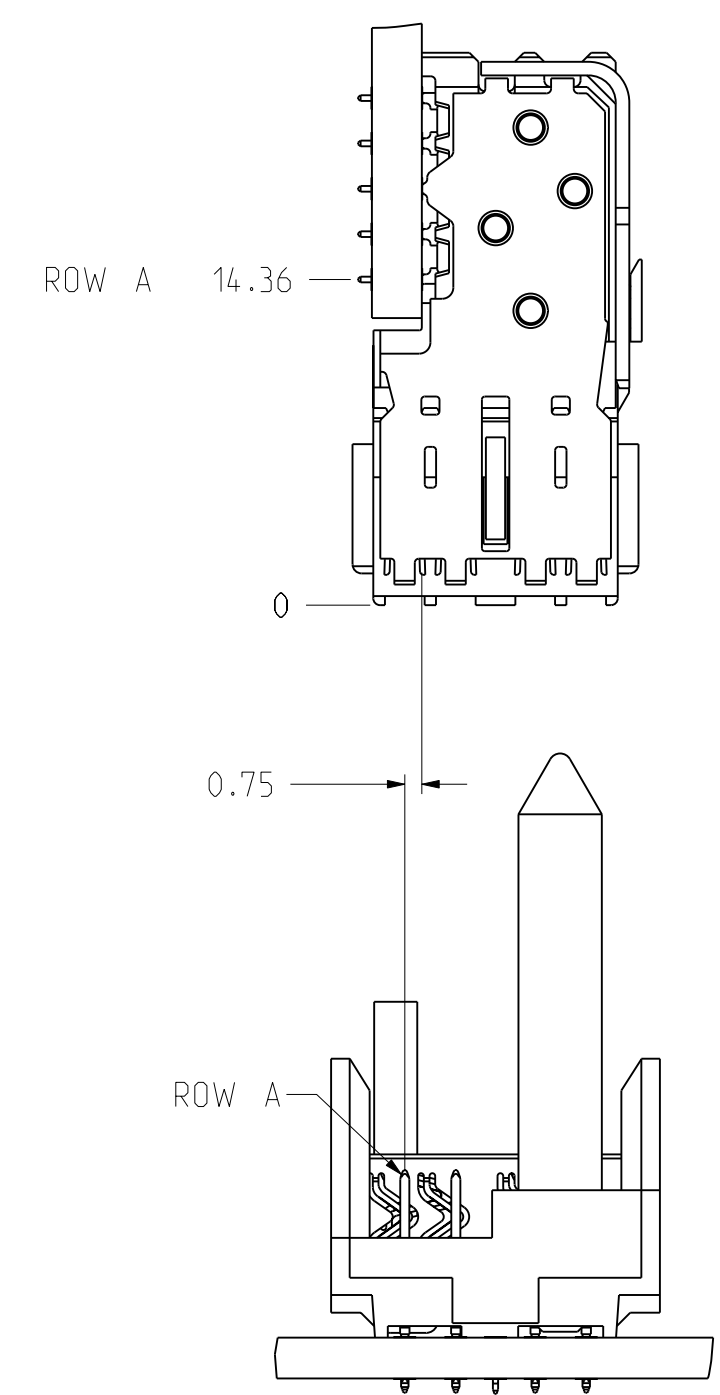
DETAIL W  
STANDARD MATE SHIELD  
272-0001-XXX



DETAIL W  
ADVANCE MATE SHIELD  
272-0004-XXX



DETAIL V  
SCALE 6/1



SECTION X-X

SECTION Z-Z

1.8 MIN BOARD

TOLERANCES	DESIGN 7/7/99 D.Provencher
0.0 ±0.25	DRAWN
0.00 ±0.13	CHK 11/23/99 D.Provencher
0.000 ± -	APVD 4/27/00
ANGLES ± -	

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TITLE	BACKPLANE POLARIZING/GUIDANCE M ASSEMBLY, LEFT, 5 ROW VHM-HSD
PART NO.	SEE PART NUMBER TREE
DRAWING NO.	C-467-5110-500
PROJ type: P1018-ASSY-BP-10-LEFTGUIDE-BRD	1.11
PROJ DRAWING: C-467-5110-500	L.O
SIZE D	SCALE 3/1
	SHEET 2 OF 2

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD.  
INTERPRET PER ASME Y14.5M  
CODE IDENT 31413

CUSTOMER USE  
DRAWING

DRW NO.  
C-467-5110-500

SH  
2  
REV  
L

8 7 6 5 4 3 2 1