

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.L.I
-	D	WL11-5V6M7T.VER02	REVISE DATUMS, ADD TABLE IV	M.LEE	10/3/03	W.L.I
-	E	KLEC-66RSE5.VER01	MODIFIED TITLE BLOCK	SG	9/20/04	LEBLANC
-	F	DMAG-6BSMY0.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-6NHJKR.VER01	UPDATED TABLE 2, TABLE 3 AND TABLE 4	HCL	04/10/06	K.LEBLANC

BACKPLANE MODULE ASSEMBLY PART NUMBER ASSIGNMENT ⑤
 460 - X O X X - O 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
 MODULE ORIENTATION
 0-OPEN
 NO. OF POSN
 10=10POSN
 25=25POSN

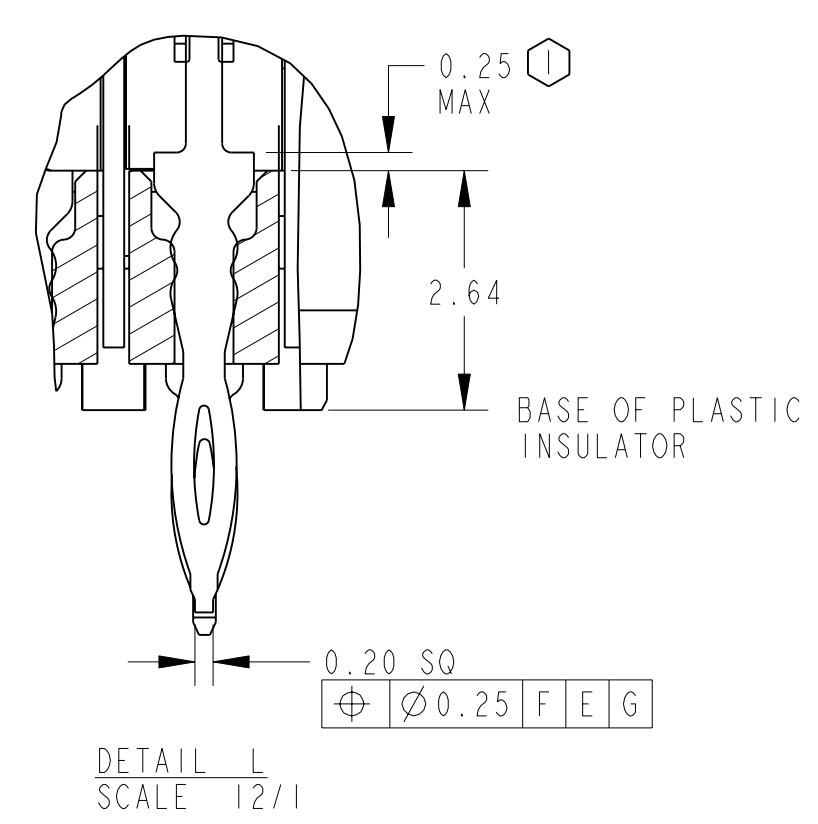
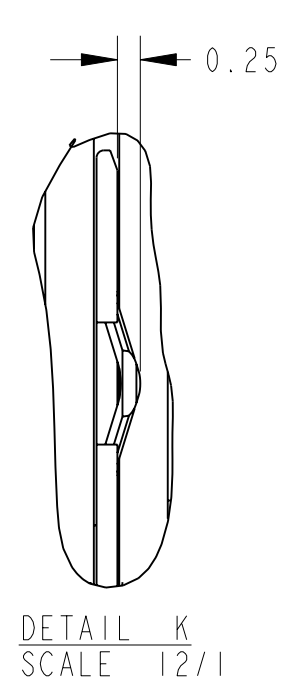
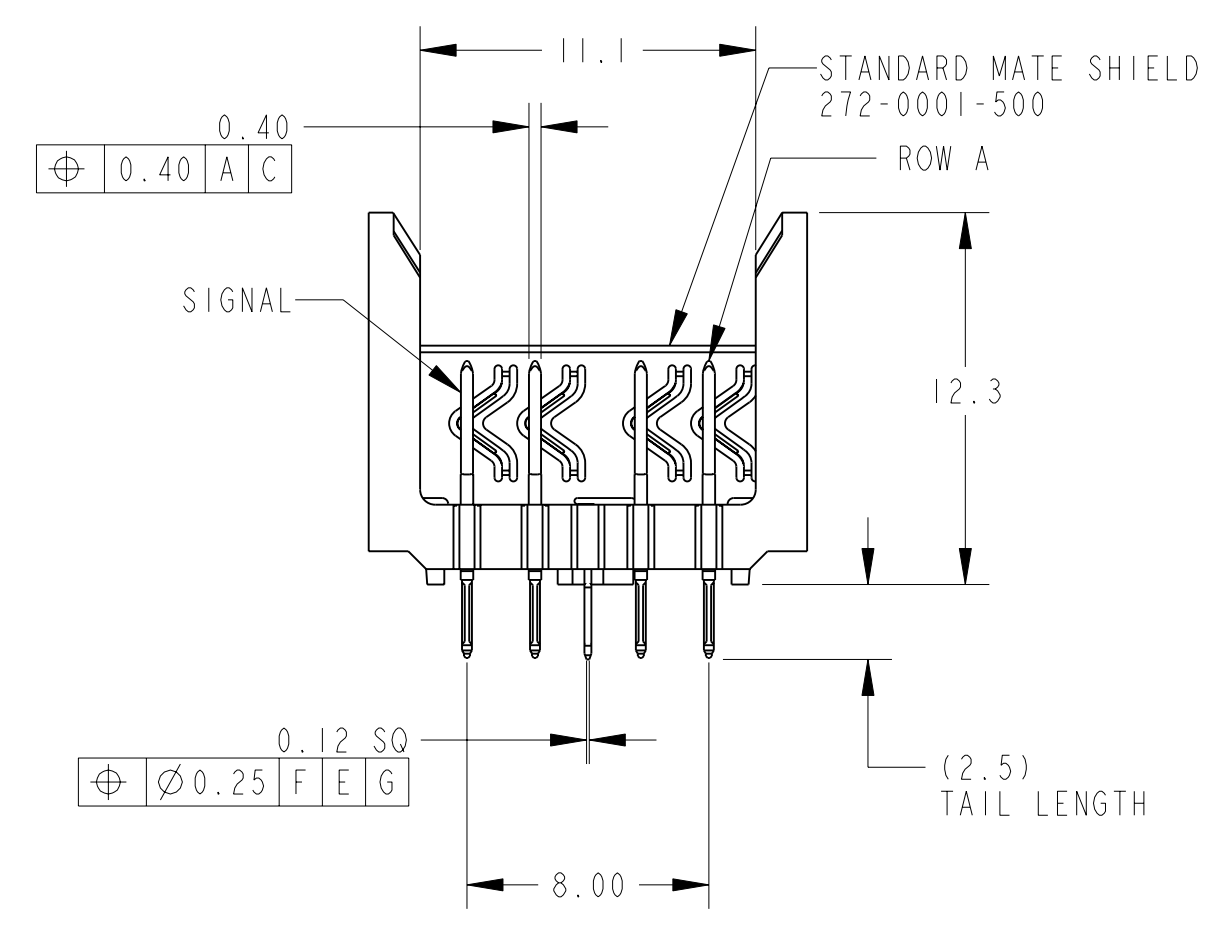
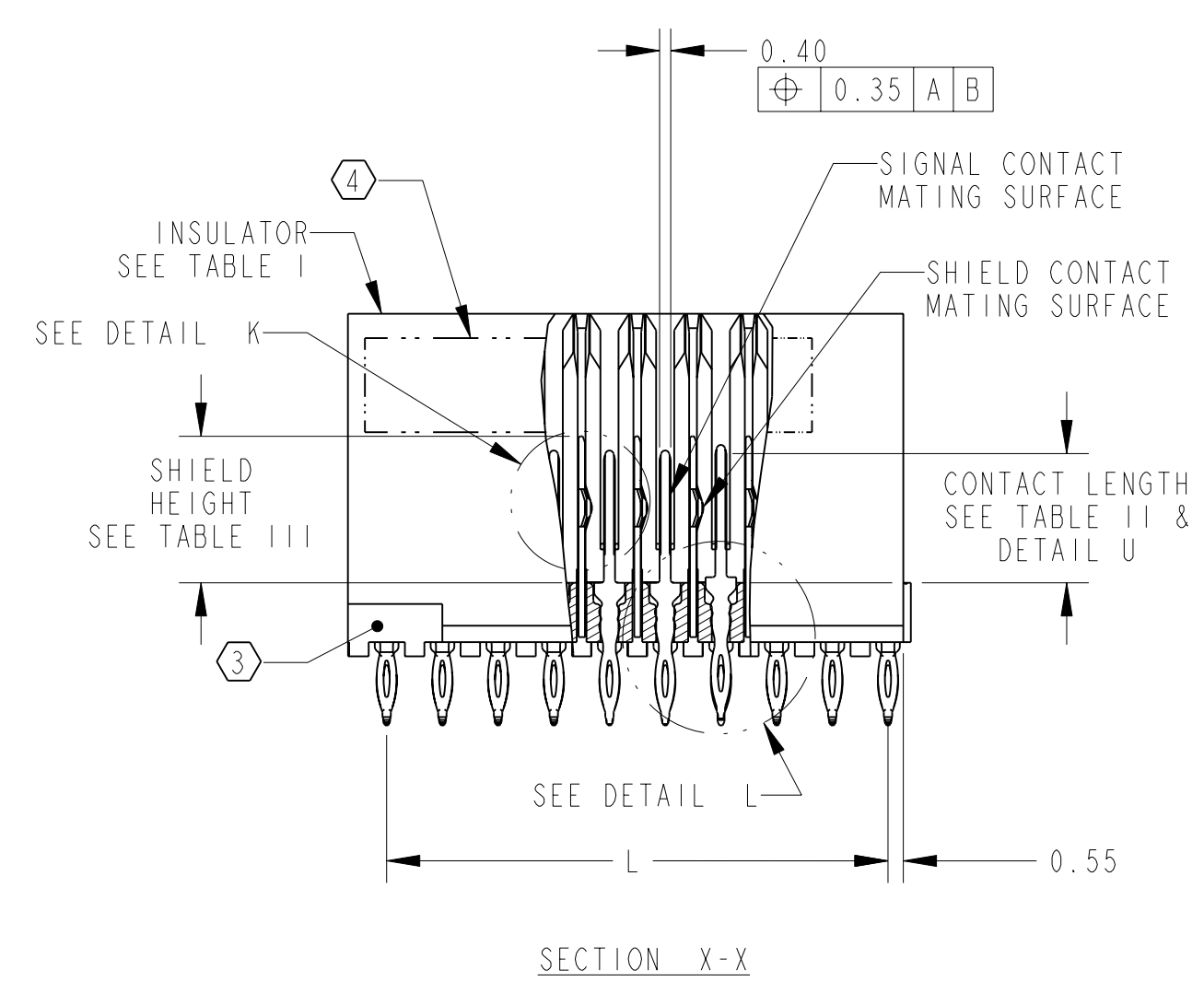
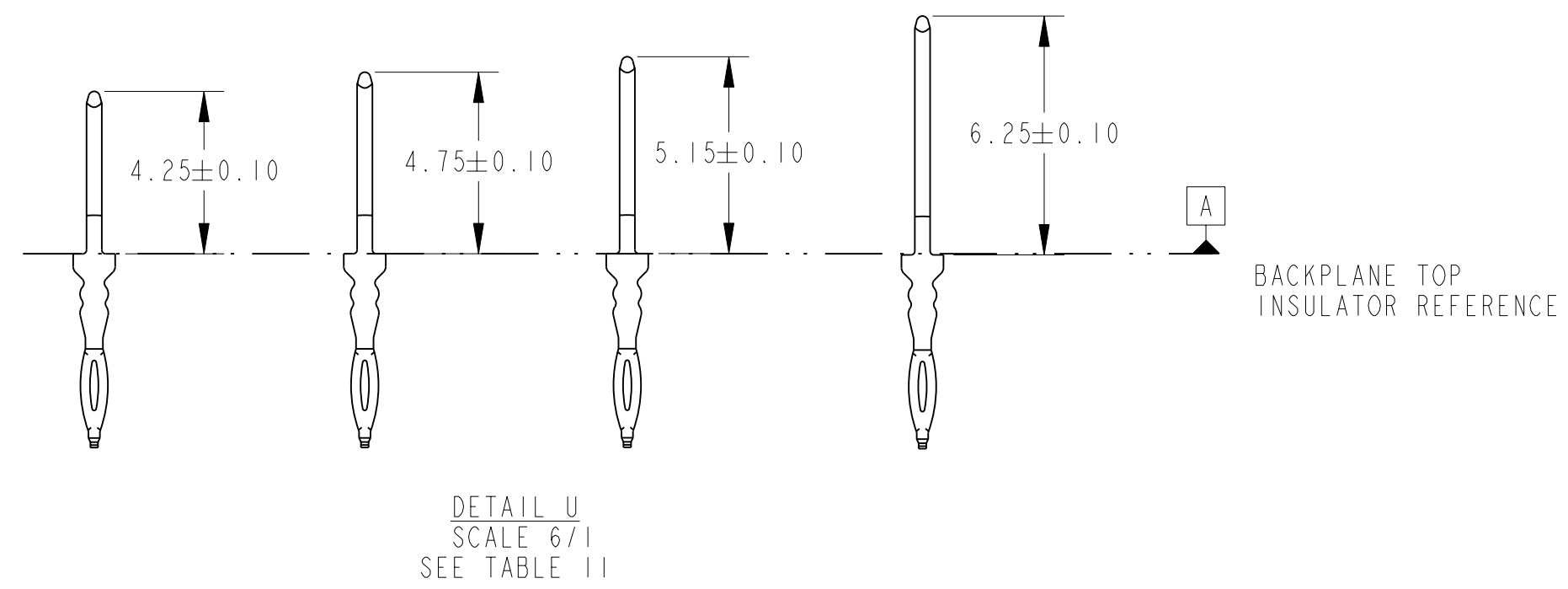
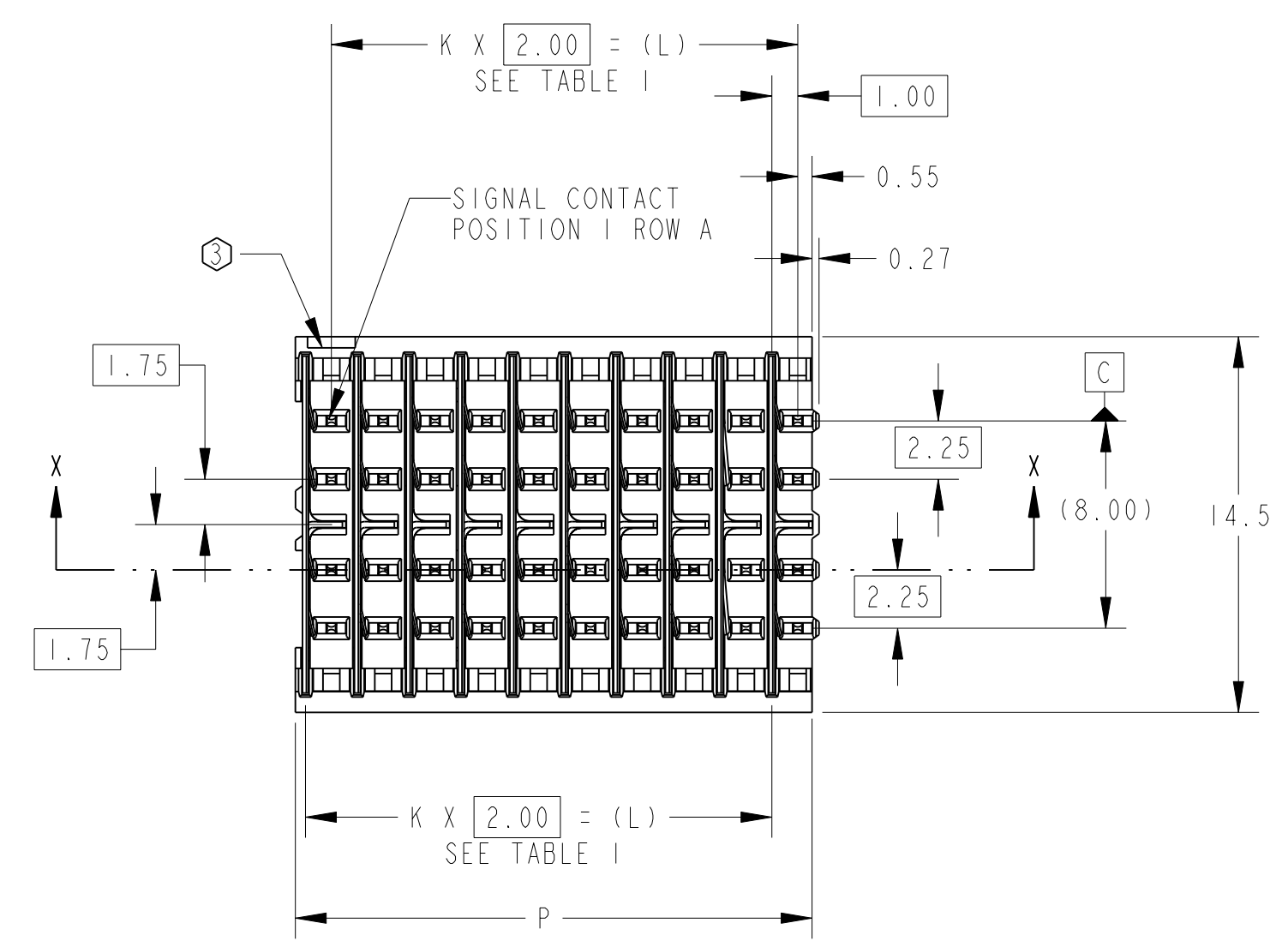
SIGNAL CONTACT LOAD (SEE TABLE II)
 PIN LENGTH
 1 = 4.75
 2 = 6.25
 3 = 4.25
 4 = 5.15
 PLATING CODE ⑥
 0 = 735 2 = 769
 1 = 732 3 = 768

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	260-0022-⑥	4.75
460-(3,5,8)OXX-OX2	260-0021-⑥	6.25
460-(3,5,8)OXX-OX3	260-0023-⑥	4.25
460-(3,5,8)OXX-OX4	260-0024-⑥	5.15
460-(6,9)OXX-OX1	260-0002-⑥	4.75
460-(6,9)OXX-OX2	260-0001-⑥	6.25
460-(6,9)OXX-OX3	260-0003-⑥	4.25
460-(6,9)OXX-OX4	260-0004-⑥	5.15

ASSEMBLY PART NUMBER	SHIELD CONTACT (SEE DETAIL W SH 2)	SHIELD HEIGHT
460-30XX-OXX	N/A	N/A
460-50XX-OXX	272-0021-⑥	5.3
460-60XX-OXX	272-0001-⑥	5.3
460-80XX-OXX	272-0024-⑥	5.5
460-90XX-OXX	272-0004-⑥	5.5

ASSEMBLY PART NUMBER	REVISION
460-XOXX-XXX	N



- 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 PART MARKING AS FOLLOWS:
 LINE 1: TCSYYWDHH (LOGO, YEAR, WEEK, DAY, HOUR)
 LINE 2: MODULE PART NUMBER (460-#####)
 LINE 3: WORK ORDER NUMBER (VH *#####). WHERE "*" DENOTES MANUFACTURING LOCATION.
 - ⑤ IF MODULE PART NUMBER IS 460-7XXX-XXX, PART REVISION, MODULE ORIENTATION, NUMBER OF COLUMNS, PLATING CODE, AND SIGNAL CONTACT LOAD ARE NOT APPLICABLE.
 - ⑥ LAST 3 DIGITS OF SIGNAL CONTACT AND SHIELD CONTACT ARE DETERMINED BY PLATING CODE PER EGS 205.
 - ⑦ FOR HASL ONLY, PTH TO BE $\varnothing 0.610$ - $\varnothing 0.495$ 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.
 - ⑤ ALL PART NUMBERS ARE AT REVISION N, EXCEPT PART NUMBERS 460-7XXX-XXX and 460-2XXX-XXX, UNLESS OTHERWISE SPECIFIED.

INTERPRET PER ASME Y14.5M
 CODE IDENT 31413

TOLERANCES	DESIGN 3/30/99	DP/JSG
0.0	±0.25	
0.0	±0.13	
0.000	±	
ANGLES	±	

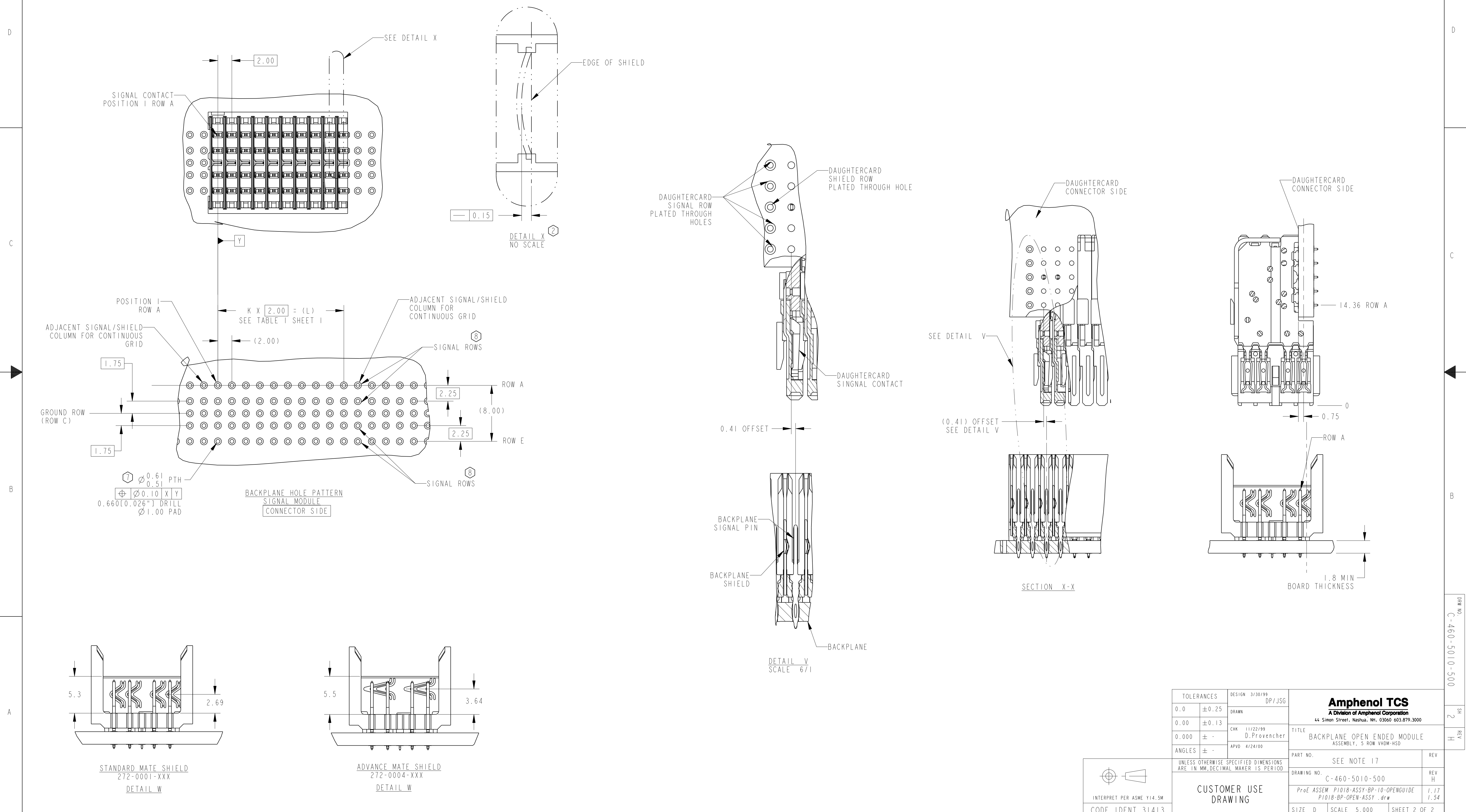
Amphenol TCS		A Division of Amphenol Corporation	
44 Simon Street, Nashua, NH, 03060 603.879.3000			
TITLE	BACKPLANE OPEN ENDED MODULE ASSEMBLY, 5 ROW VHDM-HSD	PART NO.	SEE NOTE 17
DRAWING NO.	C-460-5010-500	REV H	
ProE ASSEM P1018-ASSY-BP-10-OPENGUIDE	1.17	P1018-BP-OPEN-ASSY.drw	1.54
SIZE D	SCALE 4.000	SHEET 1	OF 2

CUSTOMER USE DRAWING

DRW NO. C-460-5010-500

SH I REV H

ZONE	REV	SCR NUMBER	DESCRIPTION	BY	DATE	APPROVED
ALL			SEE SHEET I			



TOLERANCES		DESIGN 3/30/99	Amphenol TCS	
0.0	±0.25	DP/JSG	A Division of Amphenol Corporation	
0.00	±0.13		44 Simon Street, Nashua, NH, 03060 603.879.3000	
0.000	±	CHK 11/22/99 D.Provencher	TITLE BACKPLANE OPEN ENDED MODULE ASSEMBLY, 5 ROW VHDM-HSD	
ANGLES	±	APVD 4/24/00	PART NO. SEE NOTE 17	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM, DECIMAL MAKER IS PERIOD			DRAWING NO. C-460-5010-500	REV H
CUSTOMER USE DRAWING			ProE ASSEM P1018-ASSY-BP-10-OPENGUIDE P1018-BP-OPEN-ASSY .dwm	1.17 1.54
SIZE D	SCALE 5.000	SHEET 2 OF 2		

INTERPRET PER ASME Y14.5M
CODE IDENT 31413

DRW NO. C-460-5010-500 SH 2 REV H