

BACKPLANE MODULE ASSEMBLY PART NUMBER ASSIGNMENT

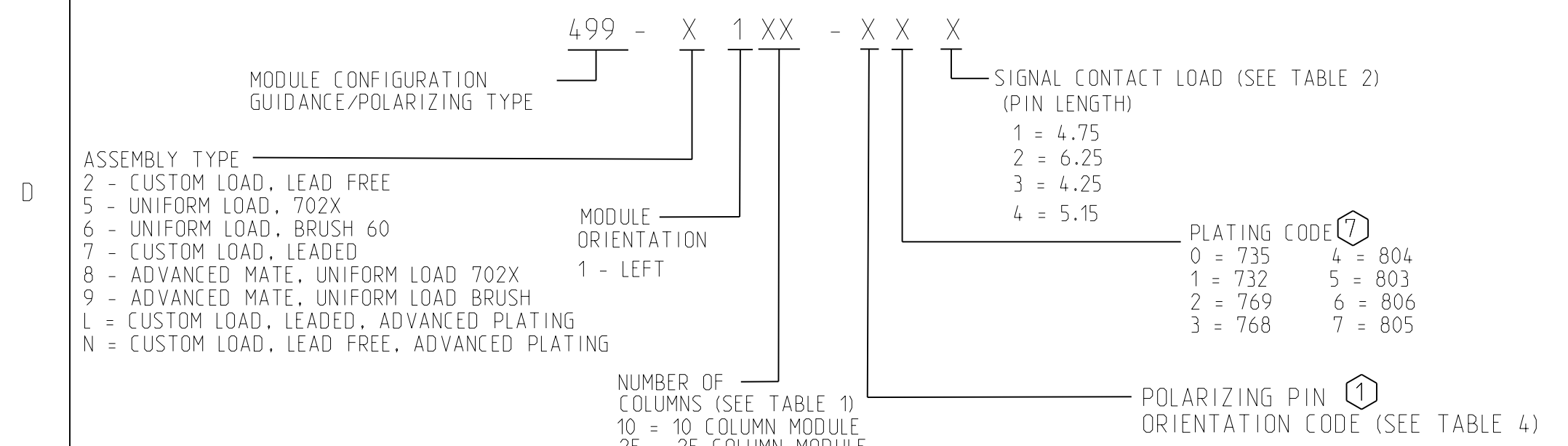


TABLE 1

ASSEMBLY PART NUMBER	BACKPLANE GUIDANCE POLARIZING MODULE	K	(L)	M	P	TOTAL NUMBER OF SIGNAL CONTACTS	TOTAL NUMBER OF GROUND SHIELDS
499-(5,6,8,9)110-XXX	499-0110-070	9	(18.00)	18.00	27	60	10
499-(5,6,8,9)125-XXX	499-0125-070	24	(48.00)	48.00	57	150	25

TABLE 2

ASSEMBLY PART NUMBER	SIGNAL CONTACT	CONTACT LENGTH
499-(5,8)1XX-XX1	260-0022-7	4.75
499-(5,8)1XX-XX2	260-0021-7	6.25
499-(5,8)1XX-XX3	260-0023-7	4.25
499-(5,8)1XX-XX4	260-0024-7	5.15
499-(6,9)1XX-XX1	260-0002-7	4.75
499-(6,9)1XX-XX2	260-0001-7	6.25
499-(6,9)1XX-XX3	260-0003-7	4.25
499-(6,9)1XX-XX4	260-0004-7	5.15

TABLE 3 (SEE DETAIL W, SHT 2)

ASSEMBLY PART NUMBER	SHIELD CONTACT	CONTACT LENGTH
499-51XX-XXX	279-0022-7	5.3
499-61XX-XXX	279-0002-7	5.3
499-81XX-XXX	279-0024-7	5.5
499-91XX-XXX	279-0004-7	5.5

TABLE 5

GUIDE/POLARIZING 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	564-0387-540	-	12.6
CUSTOM POL PIN	564-0457-553	-	12.6

TABLE 4

PART NUMBER 499-(5,6,8,9)1XX-(XXX)	-0XX	-AXX	-BXX	-CXX	-DXX	-EXX	-FXX	-GXX	-HXX
POLARIZING PIN ORIENTATION									

15. DATUM -G- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST ROWS OF SIGNAL CONTACTS TAIL SIDE.
14. DATUM -F- IS DEFINED AS THE BOTTOM OF THE PLASTIC INSULATOR.
13. DATUM -E- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACTS TAIL SIDE.
12. DATUM -C- IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACT HOLES.
11. DATUM -B- IS DEFINED AS THE CENTERLINE OF THE TOP OF THE OUTERMOST WAFER SLOTS IN THE INSULATOR WALLS.
10. DATUM -A- IS DEFINED AS THE WAFER MATING SURFACE OF THE PLASTIC INSULATOR.
9. ROUTE DIFFERENTIAL PAIRS THROUGH ROWS A-B, D-E, AND G-H.

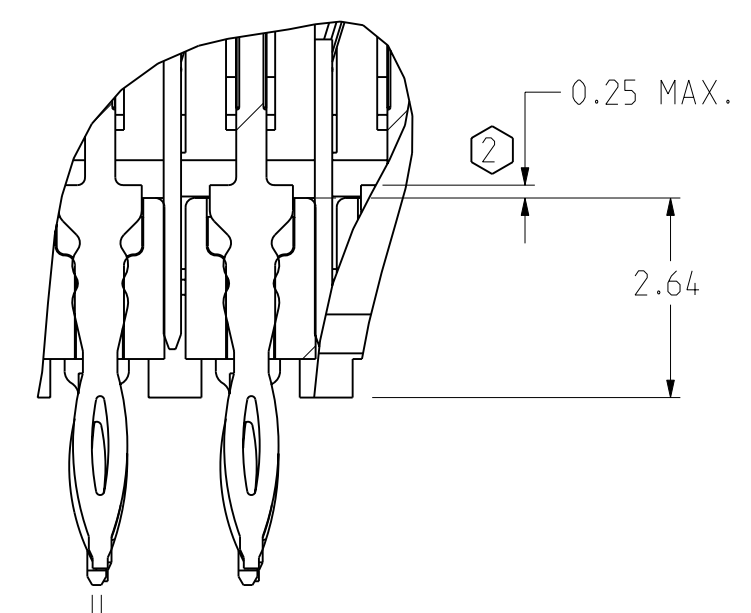
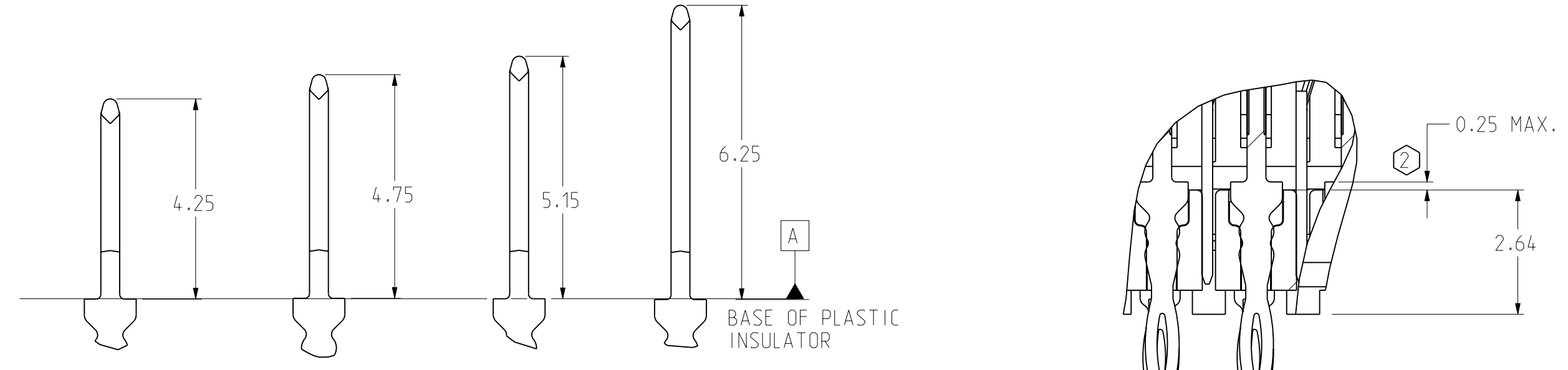
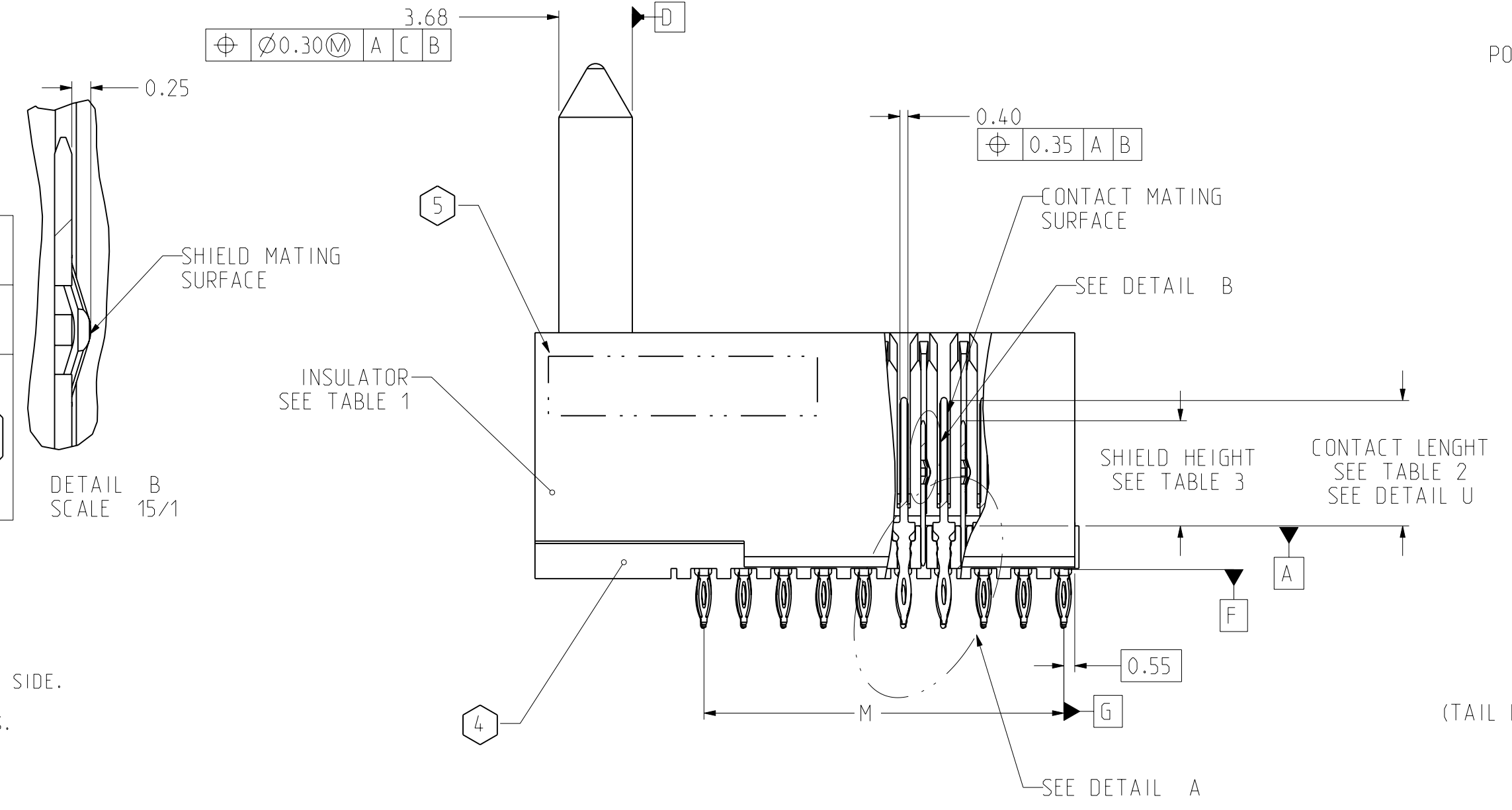
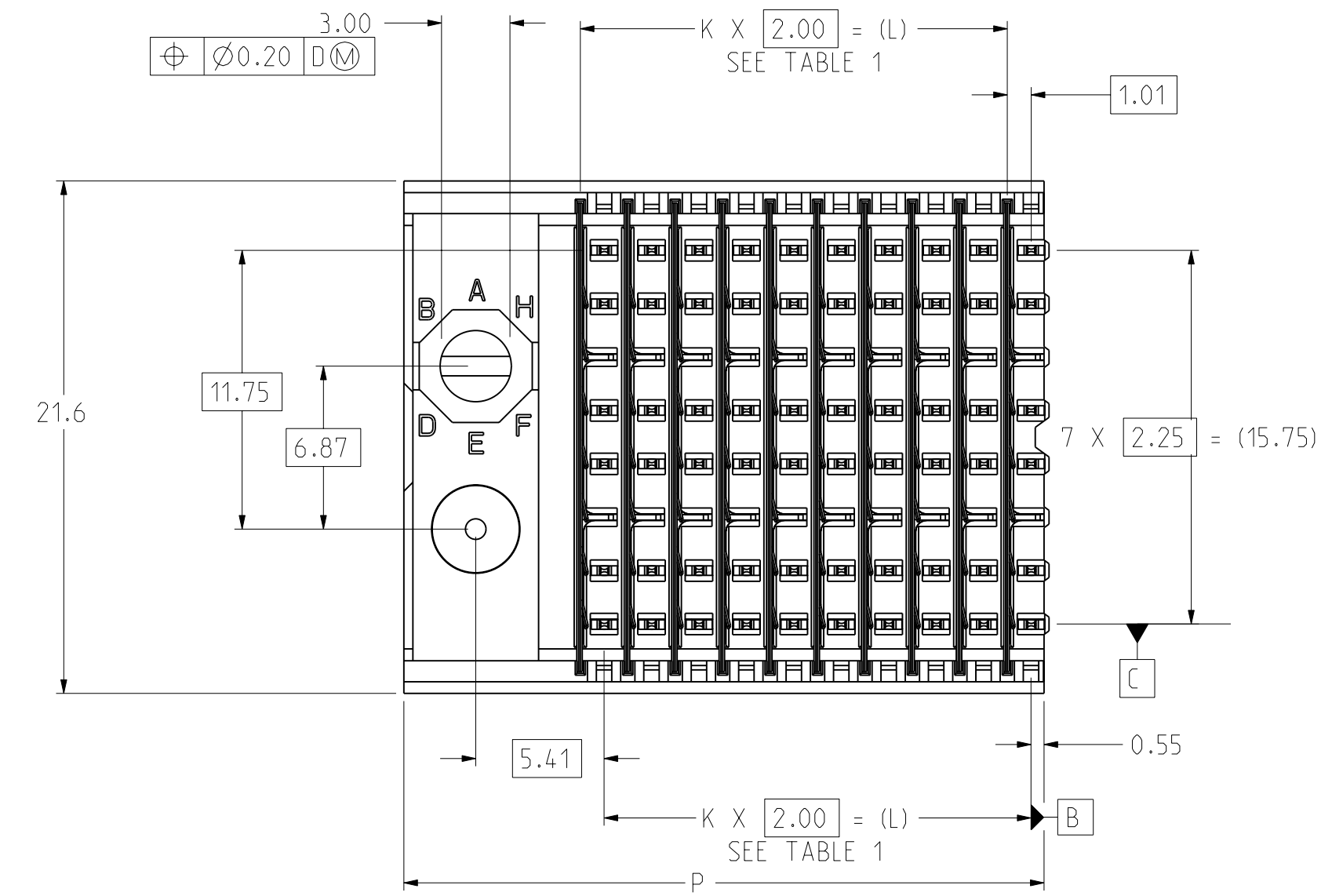
6. FOR HASL FINISH ONLY, PTH TO BE $\phi 0.61 - \phi 0.495$ mm.
7. LAST THREE DIGITS OF THE SIGNAL CONTACT AND SHIELD CONTACT PART NUMBERS ARE DETERMINED BY THE PLATING CODE. MATCHES PLATING DEFINED BY 9th DIGIT OF ASSEMBLY PART NUMBER.
 735 - Ni SULFAMATE, STANDARD GOLD, LEADED
 732 - Ni SULFAMATE, 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

IF MODULE PART NUMBER IS 499-7XXX-XXX OR 499-2XXX-XXX OR 499-LXXX-XXX OR 499-NXXX-XXX: PART REVISION, MODULE ORIENTATION, NUMBER OF COLUMNS AND SIGNAL CONTACT LOAD ARE NOT APPLICABLE.

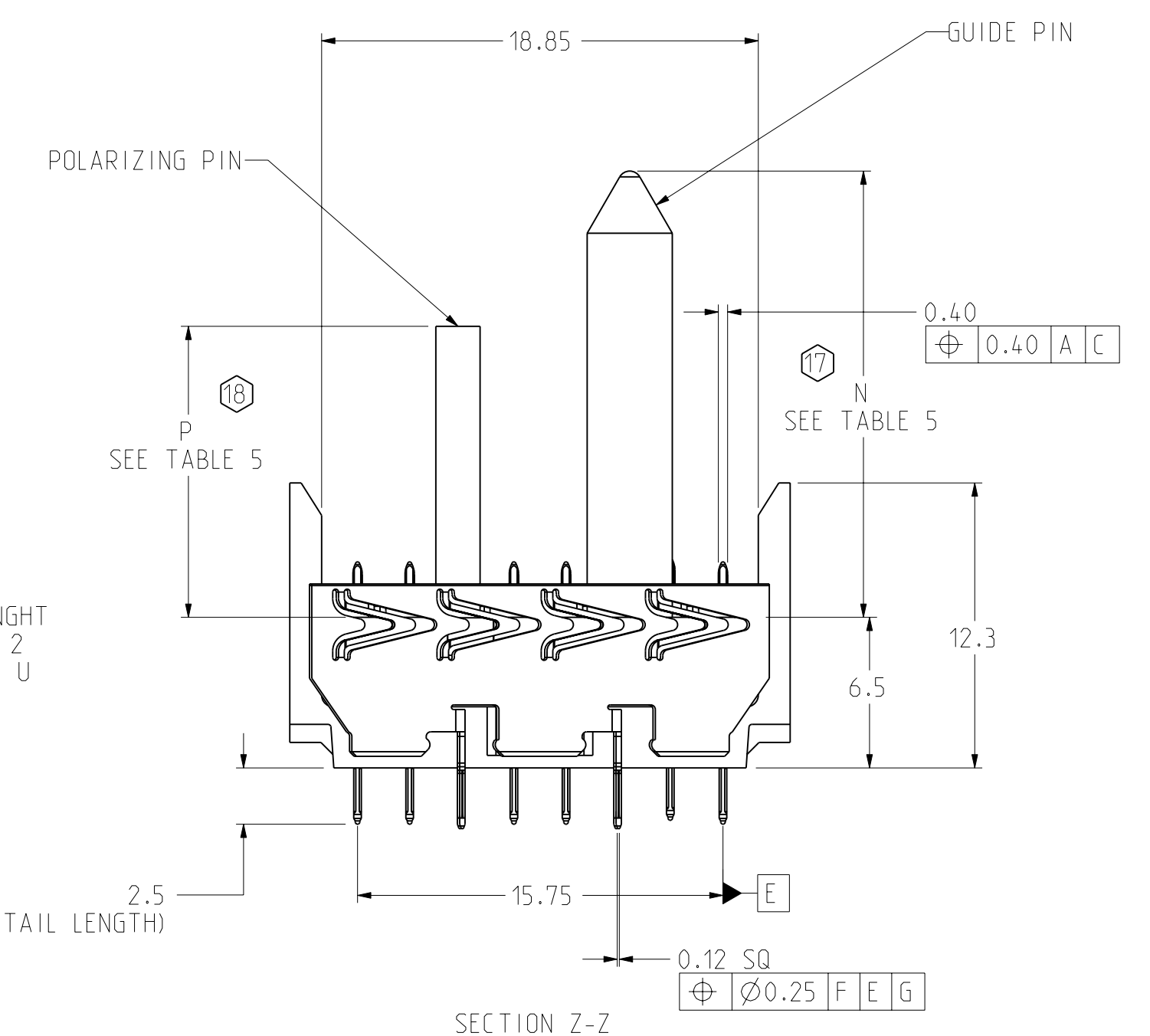
PART MARKING AS FOLLOWS:
 LINE 1: ATCSYYWDDH (LOGO, YEAR, WEEK, DAY, HOUR)
 LINE 2: MODULE PART NUMBER(499#####)
 LINE 3: WORK ORDER NUMBER(VH#####), WHERE "+" DENOTES MANUFACTURING LOCATION.

4. OPEN, NOTCH END DESIGNATES COLUMN 1.
3. SHIELDS SHALL BE STRAIGHT WITH MAXIMUM ALLOWABLE BOW OF 0.15 MILLIMETERS ON EITHER SIDE OF SHIELD. SEE DETAIL "X".
2. WHEN ASSEMBLED TO BACKPLANE INSULATOR, CONTACTS MUST SEAT FLUSH WITH INSULATOR TOP SURFACE TO A MAXIMUM ALLOWABLE GAP OF 0.25.

NOTES: 1. POLARIZING PIN MUST ALIGN AS INDICATED BY PART NUMBER CODE. (SEE TABLE 4) TO INSURE PROPER ALIGNMENT, THE OCTAGONAL BASE PORTION OF THE PIN MUST BE POSITIONED INTO THE CORRESPONDING MOLDED CAVITY.



ZONE	REV	SCR NO.	DESCRIPTION	BY	DATE	APPROVED
	A	29626	ADDED CONTACT LOAD 4 = 5.15	JSG	12/17/99	J. DUNHAM
	B	40858	COMPLETE REDRAW	SG	1/23/03	W.LI
	C	WL11-5UHLXM.VER02	REVISE DATUMS. ADD TABLE 6	SG/ML	1/22/04	W.LI
	D	KLEC-66RSHX.VER01	ADDED NOTES 17 & 18	SG	9/18/04	LEBLANC
	E	DMAG-6BTGK.VER01	ADDED LEAD FREE PLATING OPTION	GKR	05/13/05	S.BAIR
	F	SBAR-6NLKJT.VER01	MODIFIED TABLES 2 & 3	HCL	05/08/06	K.LEBLANC
	G	CSAS-6QYKSW.VER01	CORRECTED P/Ns IN TABLE 1 & STD POL PIN P/N IN TABLE 5	HCL-CY	06/22/06	C.SAMMIS
	H	MCHU-6U9JWJ.VER01	NOTE 7 UPDATED	HCL-AP	11/12/06	K.LEBLANC
	J	KLEC-6VRLRW.VER01	DIM M WAS 19.00 AND 49.00 RESP	HCL-RK	12/07/06	K.LEBLANC
	K	KLEC-6XBBZ6.VER01	ADDED "P" DIM IN TOP VIEW	HCL-BS	01/15/07	K.LEBLANC
ALL	L	CSAS-82ZPTE.VER01	ADDED NEW PART NUMBERS FOR NEW PLATING CODES IN ASSEMBLY PART NUMBER ASSIGNMENT TREE. MODIFIED NOTES 6, 7 & 18 AND REMOVED NOTE 16. REMOVED TABLE 6.	HCL-GM	03/01/2010	C.SAMMIS



TOLERANCES	DESIGN 11/9/99 J. GIROUX	Amphenol TCS A Division of Amphenol Corporation 200 Innovative Way, Nashua, NH 03062 803.879.3000	TITLE	BACKPLANE LEFT ENDED MODULE 8 ROW DIFFERENTIAL VHDM-HSD
0.0 ±0.25	DRAWN 2/10/99 J. GIROUX		PART NO.	SEE PART NUMBER TREE
0.00 ±0.13	CHK 4/2/99 T. DO		DRAWING NO.	C-499-5100-500
0.000 ± -	APVD 4/2/99 C. MURPHY		PROE type: P1006-BP-DIFF-SHROUD-LEFT-10	1.77
ANGLES ± -		PROE DRAWING: C-499-5100-500	L.O.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM. DECIMAL MARKER IS A PERIOD.		CUSTOMER USE DRAWING		SCALE 4/1
INTERPRET PER ASME Y14.5M		CODE IDENT 31413		SHEET 1 OF 2

DRW NO. C-499-5100-500

SH 1 REV L

