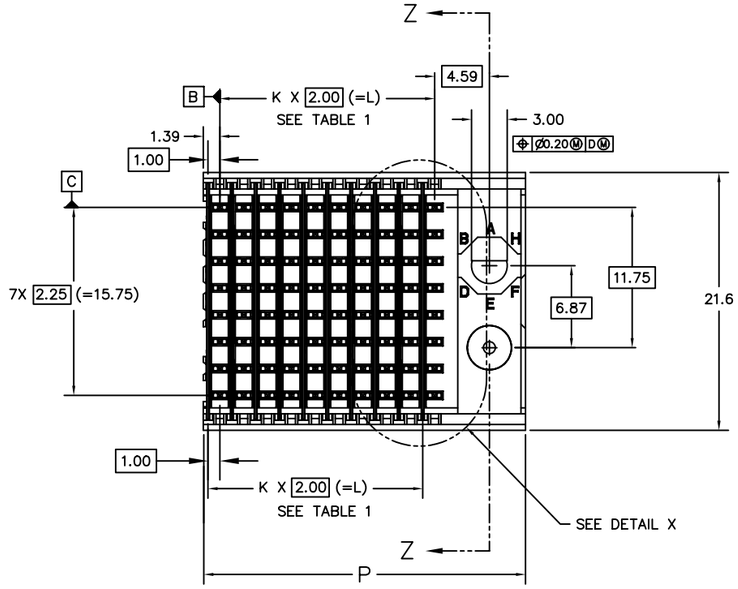
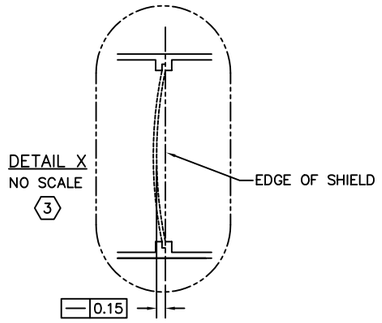
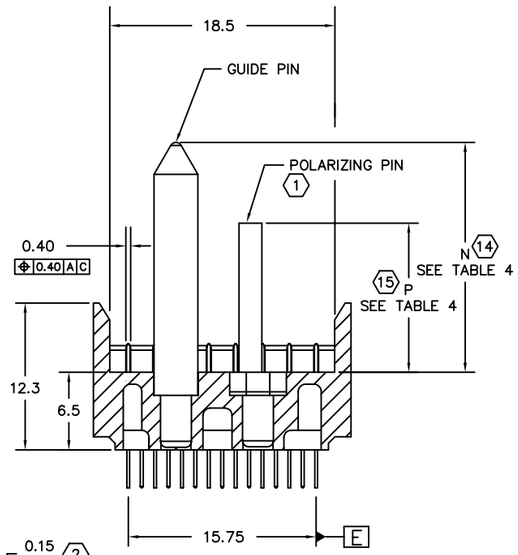
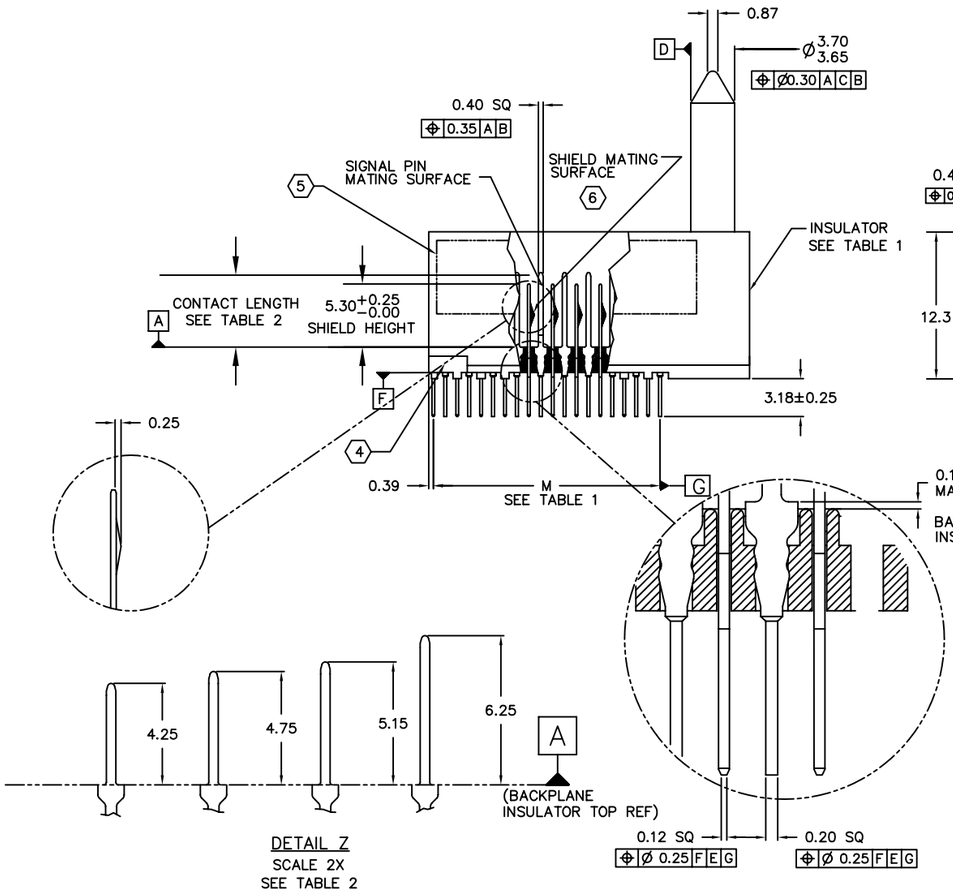
DWG NO.	SH	REV
C-473-5200-500	1	K

ZONE	REV	SCR NO.	DESCRIPTION	BY	DATE	APPROVED
–	–	40534	NEW RELEASE	SG	11/19/02	K.LEBLANC
–	A	40790	ADDED DIM P TO TABLE I	SG	12/16/02	W.LI
–	B	40883	SEE SHEET 1	ED	01/14/03	W.LI
–	C	42087	REVISE DATUMS, ADD PART REV	M.L.	05/21/03	W.LI
–	D	KLEC-63ZRG2.VER02	ADDED NOTES 14 & 15	SG	9/21/04	LEBLANC
–	E	DMAG-6BTGR5.VER01	ADDEDLEAD FREE PLATING OPTION	SG	4/26/05	S.BAIR
–	F	MFID-6CBQJR.VER02	MODIFIED NOTE 5, LINE 1	SG	06/08/05	FITZGERALD
–	G	KLEC-6GPPNH.VER01	CORRECTED PIN A1 DESIGNATOR SHEET 2 HOLE PATTERN LAYOUT	HCL	10/20/05	LEBLANC
–	H	MLEE-6K4PWM.VER01	UPDATED DRAWING FORMAT	ML	01/18/06	C.SAMMIS
–	J	SBAR-6NJHMP.VER01	MODIFIED TABLE 2, TABLE 5 AND PART NUMBER ASSIGNMENT	HCL	19/04/06	K.LEBLANC
–	K	CSAS-82HRMD.VER01	ADDED NEW PART NUMBERS FOR NEW PLATING CODES IN ASSEMBLY PART NUMBER ASSIGNMENT TREE. MODIFIED NOTE 6 & 16 REMOVED NOTE 13 AND TABLE 5.	HCL-MH	02/10/2010	C.SAMMIS









TOLERANCES	
0.0	± .25
0.00	± .13
0.000	± –
ANGLES	± –

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

DWN	11/19/02 S.GAGNON
CHK	11/19/02 KDL
APVD	11/19/02 L.LEBLANC

Amphenol TCS

A Division of Amphenol Corporation
200 Innovative Way, suite 201, Nashua, N.H. 03062 (603) 879-3000

TITLE
BACKPLANE GUIDANCE/POLARIZING MODULE, VHDM CONNECTOR SOLDER TAIL, 8 ROW, RIGHT ENDED

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

CUSTOMER USE DRAWING

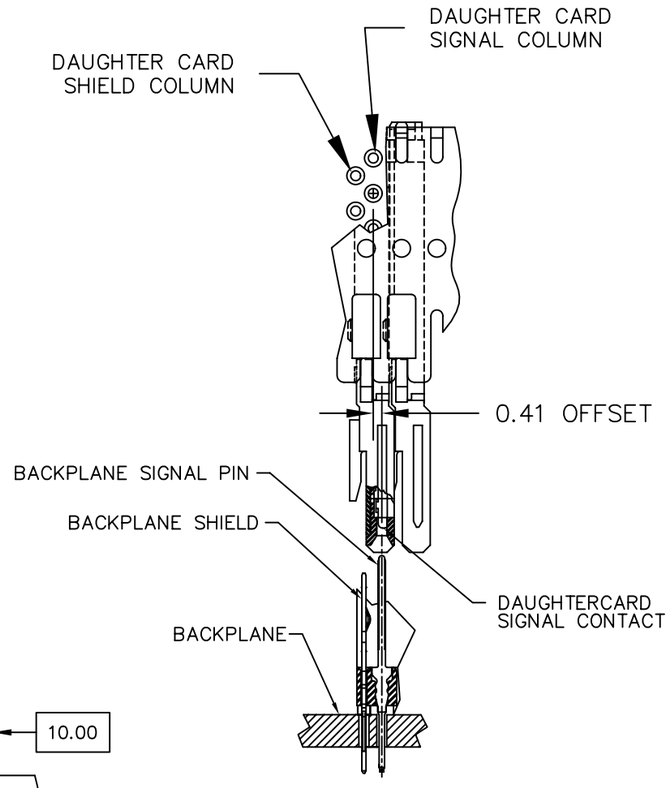
PART NO.	REV
SEE PART NUMBER TREE	N/A
DRAWING NO.	REV
C-473-5200-500	K

SIZE D | SCALE 4/1 | SHEET 1 OF 3

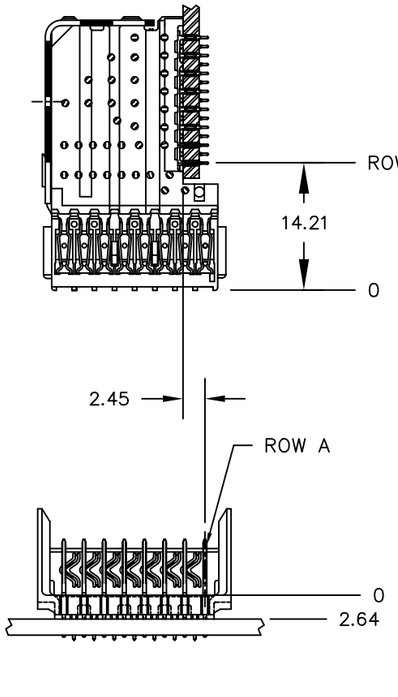
DWG NO. C-473-5200-500 | SH 1 | REV K

DWG NO.	SH	REV
C-473-5200-500	2	K

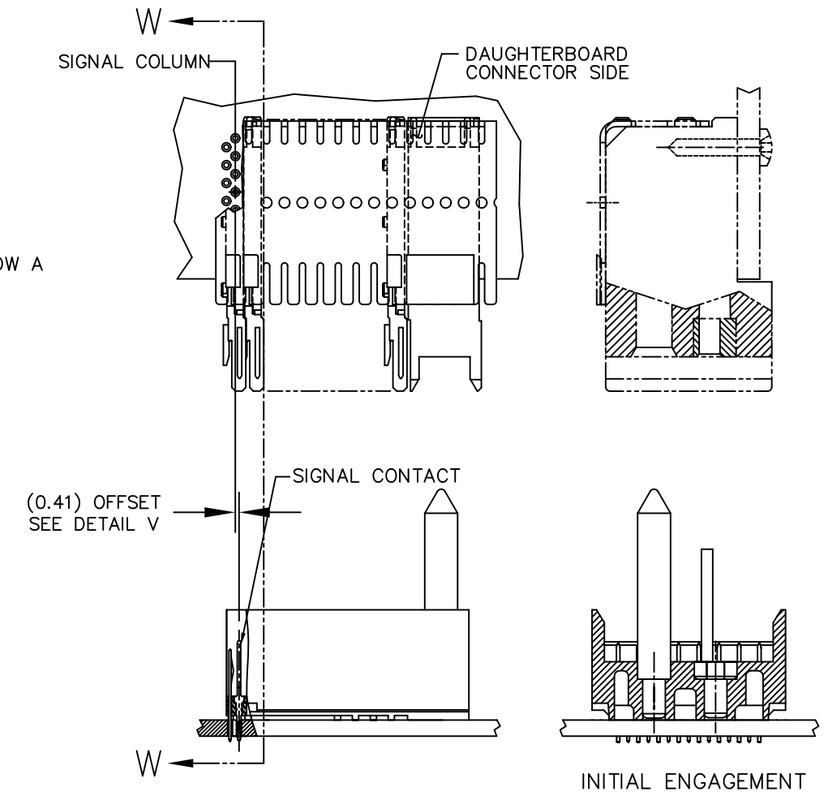
ZONE	REV	SCR NO.	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			



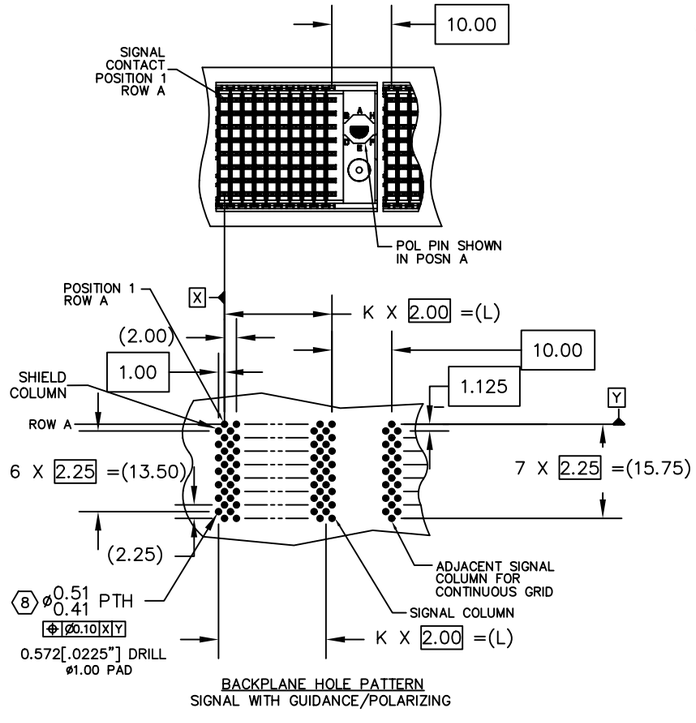
DETAIL V
SCALE 6/1



SECTION W–W



INITIAL ENGAGEMENT
(CUTAWAY FOR CLARITY)



BACKPLANE HOLE PATTERN
SIGNAL WITH GUIDANCE/POLARIZING

TOLERANCES	
0.0	± .25
0.00	± .13
0.000	± –
ANGLES	± –

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS

DWN	11/19/02	S.GAGNON
CHK	11/19/02	KDL
APVD	11/19/02	L.LEBLANC

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TITLE
BACKPLANE GUIDANCE/POLARIZING MODULE, VHDM CONNECTOR SOLDER TAIL, 8 ROW, RIGHT ENDED

INTERPRET PER ASME Y14.5M

CODE IDENT 31413

CUSTOMER USE DRAWING

PART NO.	REV
SEE PART NUMBER TREE	N/A
DRAWING NO.	REV
C-473-5200-500	K

SIZE D | SCALE 4/1 | SHEET 2 OF 3

DWG NO. C-473-5200-500 SH 2 REV K

ZONE	REV	SCR NO.	DESCRIPTION	BY	DATE	APPROVED
			SEE SHEET 1			

BACKPLANE GUIDANCE/POLARIZING MODULE ASSEMBLY PART NUMBER ASSIGNMENT

473 – X 2 XX – X X X ⟨6⟩

- MODULE CONFIGURATION GUIDANCE/POLARIZING TYPE
- ASSEMBLY TYPE
  - 2 – CUSTOM LOAD, LEAD FREE
  - 3 – L-SERIES
  - 5 – UNIFORM LOAD, 702X
  - 6 – UNIFORM LOAD, BRUSH 60
  - 7 – CUSTOM LOAD, LEADED
  - L – CUSTOM LOAD, LEADED, ADVANCED PLATING.
  - N – CUSTOM LOAD, LEAD FREE, ADVANCED PLATING
- MODULE ORIENTATION
  - 0 – OPEN
  - 1 – LEFT
  - 2 – RIGHT
- NUMBER OF COLUMNS (SEE TABLE 1)
  - 10 = 10 COLUMN MODULE
  - 25 = 25 COLUMN MODULE
- POLARIZING PIN LOCATION CODE (SEE TABLE 3)
- PLATING CODE ⟨16⟩
  - 0 = 758
  - 2 = 770
  - 3 = 818
  - 4 = 819
- SIGNAL CONTACT LOAD (SEE TABLE 2) (PIN LENGTH)
  - 1 = 4.75
  - 2 = 6.25
  - 3 = 4.25

TABLE 1

ASSEMBLY PART NUMBER ⟨16⟩	BACKPLANE GUIDANCE POLARIZING MODULE	K	(L)	M	P	TOTAL NUMBER OF SIGNAL CONTACTS	TOTAL NUMBER OF GROUND SHIELD
473-3210-XXX	495-0010-060	9	(18.00)	19.00	27.00	80	N/A
473-3225-XXX	495-0025-060	24	(48.00)	49.00	57.00	200	N/A
473-(5,6)210-XXX	495-0010-060	9	(18.00)	19.00	27.00	80	10
473-(5,6)225-XXX	495-0025-060	24	(48.00)	49.00	57.00	200	25

TABLE 2 ⟨16⟩

ASSEMBLY PART NUMBER	SIGNAL CONTACT	CONTACT LENGTH	SHIELD CONTACT
473-52XX-X01	260-0122-758	4.75	261-0121-758
473-52XX-X02	260-0121-758	6.25	261-0121-758
473-52XX-X03	260-0123-758	4.25	261-0121-758
473-52XX-X21	260-0122-770	4.75	261-0121-770
473-52XX-X22	260-0121-770	6.25	261-0121-770
473-52XX-X23	260-0123-770	4.25	261-0121-770
473-52XX-X31	260-0122-818	4.75	261-0121-818
473-52XX-X32	260-0121-818	6.25	261-0121-818
473-52XX-X33	260-0123-818	4.25	261-0121-818
473-52XX-X41	260-0122-819	4.75	261-0121-819
473-52XX-X42	260-0121-819	6.25	261-0121-819
473-52XX-X43	260-0123-819	4.25	261-0121-819
473-32XX-X01	260-0122-758	4.75	N/A
473-32XX-X02	260-0121-758	6.25	N/A
473-32XX-X03	260-0123-758	4.25	N/A
473-32XX-X21	260-0122-770	4.75	N/A
473-32XX-X22	260-0121-770	6.25	N/A
473-32XX-X23	260-0123-770	4.25	N/A
473-32XX-X31	260-0122-818	4.75	N/A
473-32XX-X32	260-0121-818	6.25	N/A
473-32XX-X33	260-0123-818	4.25	N/A
473-32XX-X41	260-0122-819	4.75	N/A
473-32XX-X42	260-0121-819	6.25	N/A
473-32XX-X43	260-0123-819	4.25	N/A
473-62XX-X01	260-0102-758	4.75	261-0101-758
473-62XX-X02	260-0101-758	6.25	261-0101-758
473-62XX-X03	260-0103-758	4.25	261-0101-758
473-62XX-X21	260-0102-770	4.75	261-0101-770
473-62XX-X22	260-0101-770	6.25	261-0101-770
473-62XX-X23	260-0103-770	4.25	261-0101-770

TABLE 3 ⟨1⟩

PART NUMBER 473-(3,5,6)2XX-( )	-00X	-A0X	-B0X	-C0X	-D0X	-E0X	-F0X	-G0X	-H0X
POLARIZING PIN ORIENTATION	0 (NO KEY)	A	B	C	D	E	F	G	H

TABLE IV ⟨14⟩⟨15⟩

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

⟨16⟩ THE LAST 3 DIGITS OF THE SIGNAL CONTACT AND THE SHIELD CONTACT PART NUMBERS ARE DETERMINED BY THE PLATING CODE, PER EGS205. MATCHES PLATING DEFINED BY THE 9TH DIGIT OF ASSEMBLY PART NUMBER.

⟨15⟩ 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 7000 SERIES MODULE ASSEMBLIES BEING ASSIGNED.

⟨14⟩ 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.

13. REMOVED.

12. DATUM –G– IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST ROWS OF SIGNAL AND SHIELD CONTACTS TAIL SIDE.

11. DATUM –F– IS DEFINED AS THE BOTTOM SURFACE OF THE PLASTIC INSULATOR.

10. DATUM –E– IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACTS TAIL SIDE.

9. DATUM –C– IS DEFINED AS THE CENTERLINE OF THE CONNECTOR MEASURED FROM THE TWO OUTERMOST COLUMNS OF SIGNAL CONTACT HOLES.

8. DATUM –B– IS DEFINED AS THE CENTERLINE OF THE TOP OF THE OUTERMOST WAFER SLOTS IN THE INSULATOR WALLS.

7. DATUM –A– IS DEFINED AS THE WAFER MATING SURFACE OF THE PLASTIC INSULATOR.

⟨6⟩ IF MODULE PART NUMBER IS 473-2XXX-XXX OR 473-7XXX-XXX OR 473-LXXX-XXX OR 473-NXXX-XXX, MODULE ORIENTATION, NUMBER OF COLUMNS, PLATING CODE, PART REVISION, AND SIGNAL CONTACT LOAD ARE NOT APPLICABLE.

⟨5⟩ PART MARKING AS FOLLOWS:
LINE 1: TCSYYWWDHH (LOGO, YEAR, WEEK, DAY, HOUR)
LINE 2: MODULE PART NUMBER(473#######).
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 0.15.

NOTES: ⟨1⟩ POLARIZING PIN MUST ALIGN AS INDICATED BY PART NUMBER CODE. (SEE TABLE 3) TO INSURE PROPER ALIGNMENT, THE OCTAGNAL BASE PORTION OF THE PIN MUST BE POSITIONED INTO THE CORESPONDING MOLDED CAVITY, ANY DISTORTION OR DAMAGE TO THE PLASTIC MATERIAL DUE TO POLARIZING PIN MISALIGNMENT SHALL CAUSE THE MODULE TO BE UNUSABLE.

TOLERANCES		DWN 11/19/02 S.GAGNON
0.0	± .25	CHK 11/19/02 KDL
0.00	± .13	APVD 11/19/02 L.LEBLANC
0.000	± –	
ANGLES	± –	

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INTERPRET PER ASME Y14.5M

CODE IDENT 31413

CUSTOMER USE DRAWING

PART NO.	REV
SEE PART NUMBER TREE	N/A
DRAWING NO. C-473-5200-500	REV K
SIZE D	SCALE 4/1	SHEET 3 OF 3

DWG NO. C-473-5200-500 | SH 3 | REV K