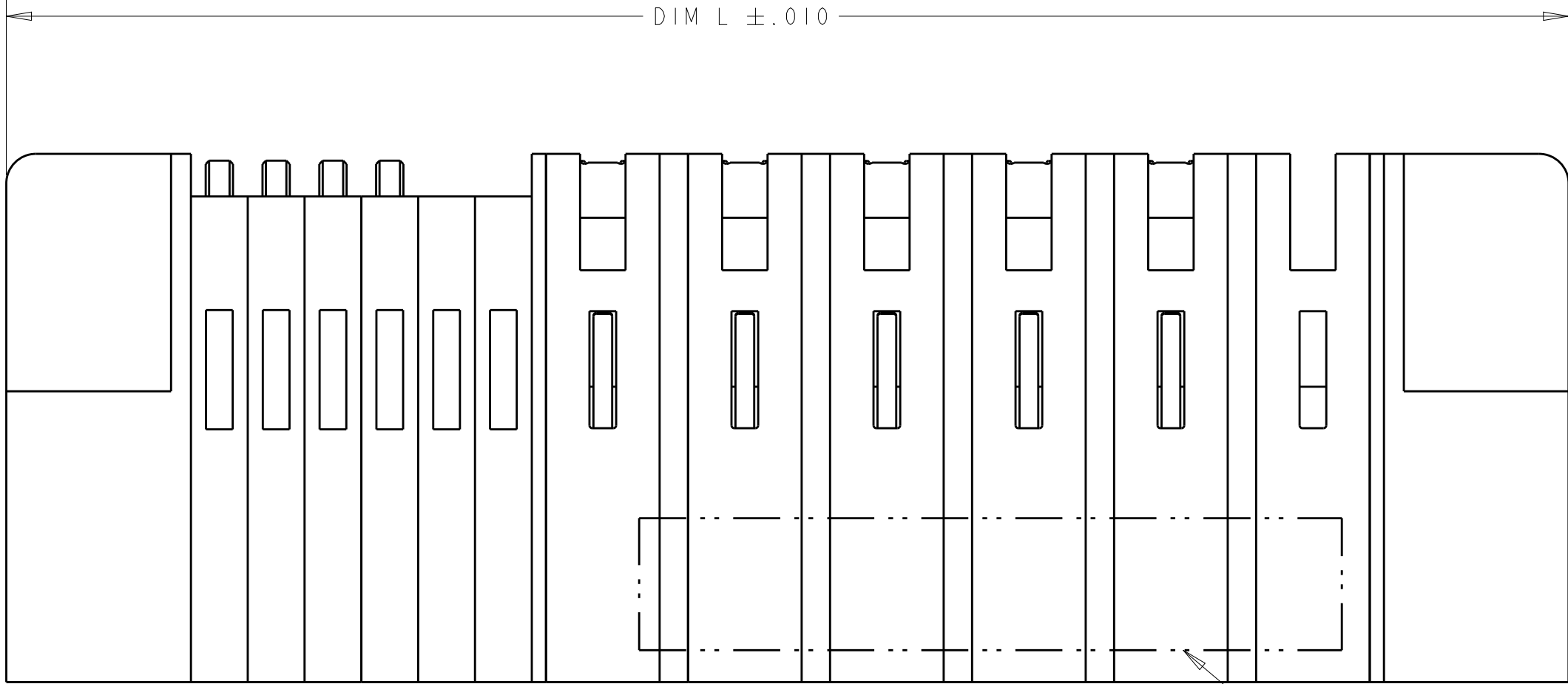
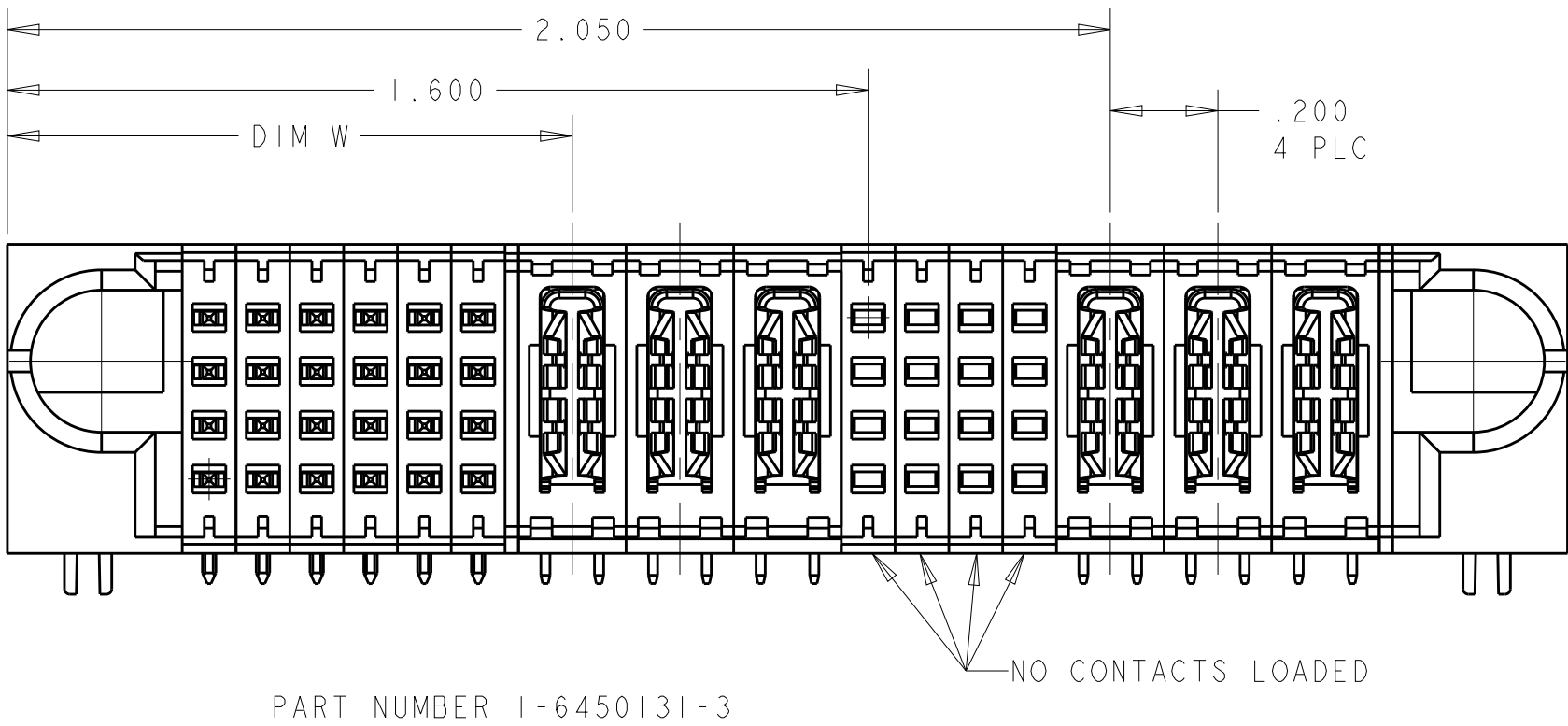
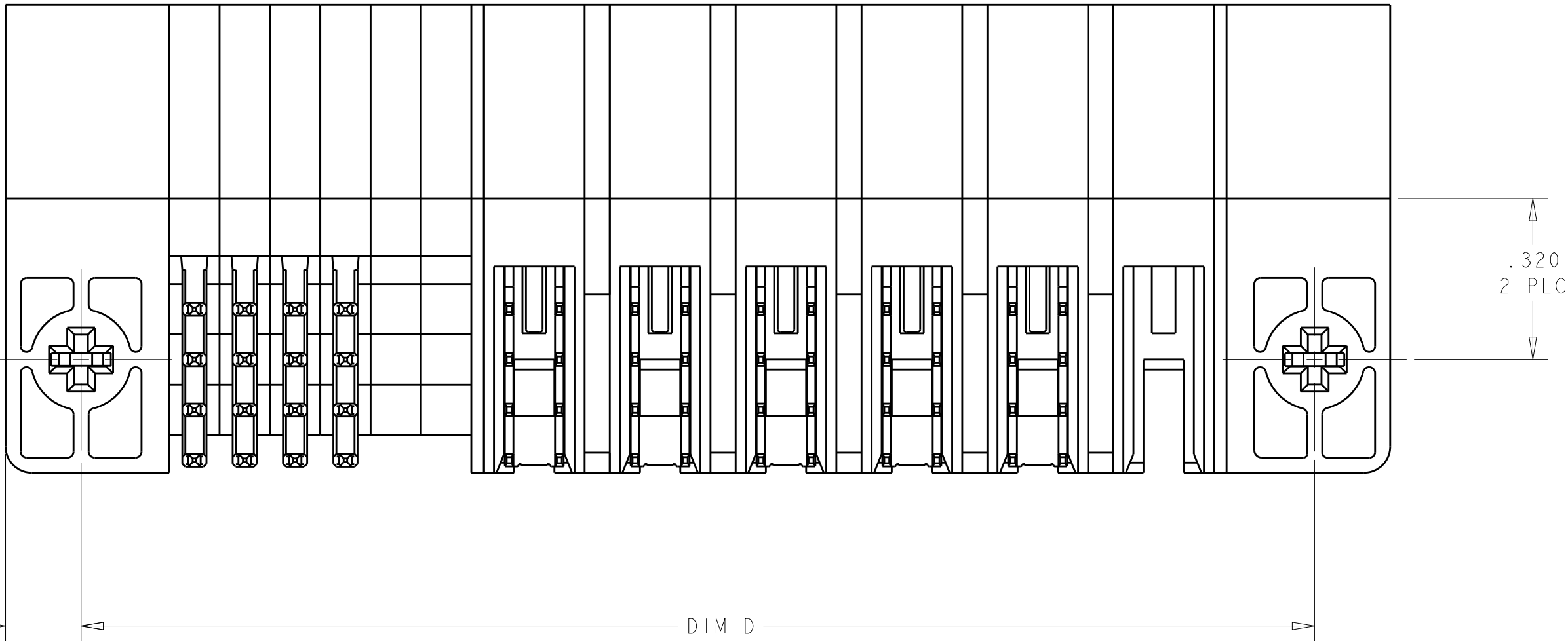
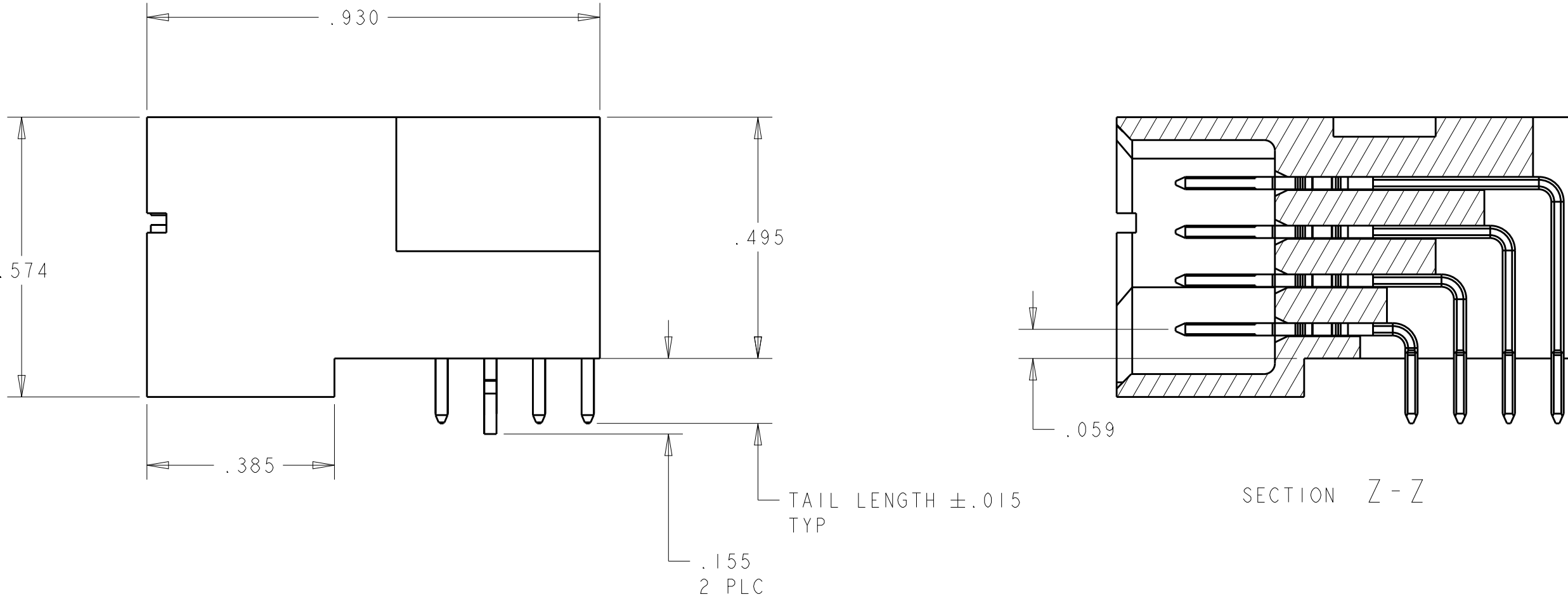
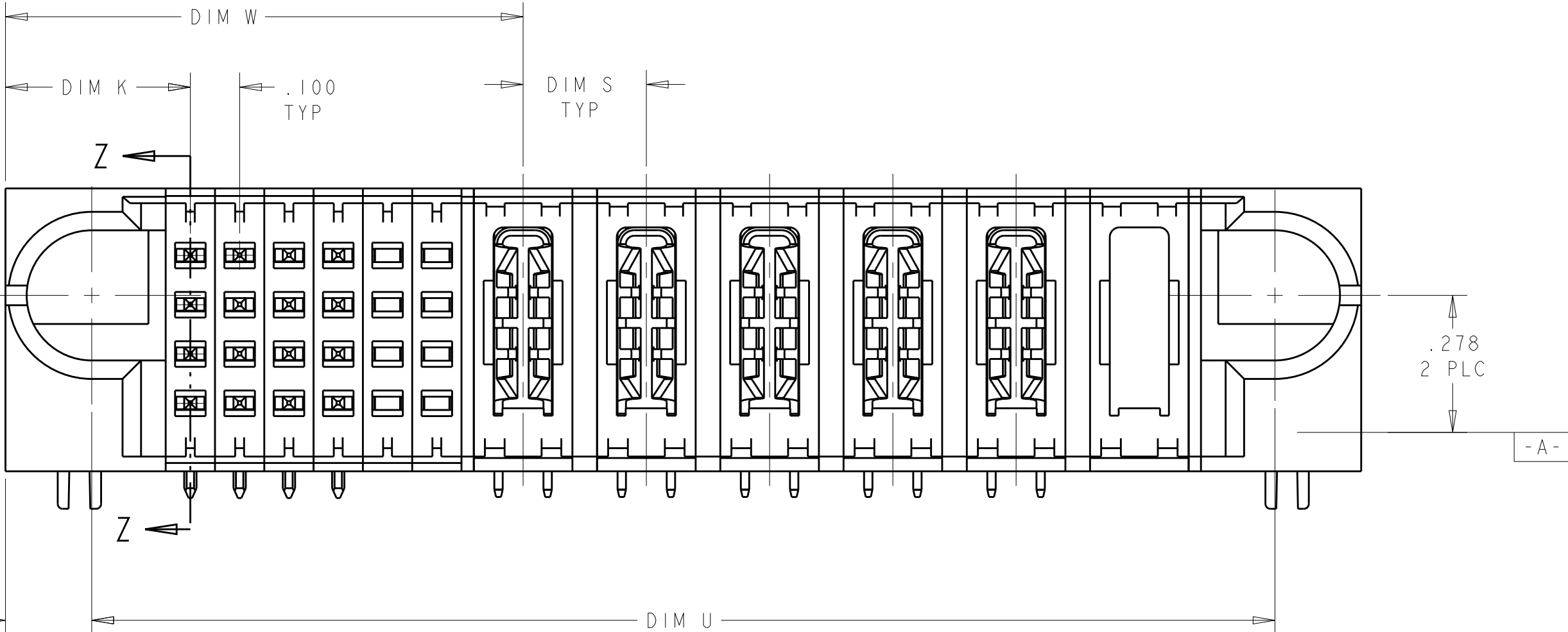
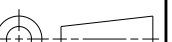


LOC		DIST		REVISIONS				
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		E8		REV PER ECR-12-021802	04JAN2013	ML	SZ	
		E9		ADD NEW DASH NUMBER 2-3	21MAY2013	CZ	SZ	

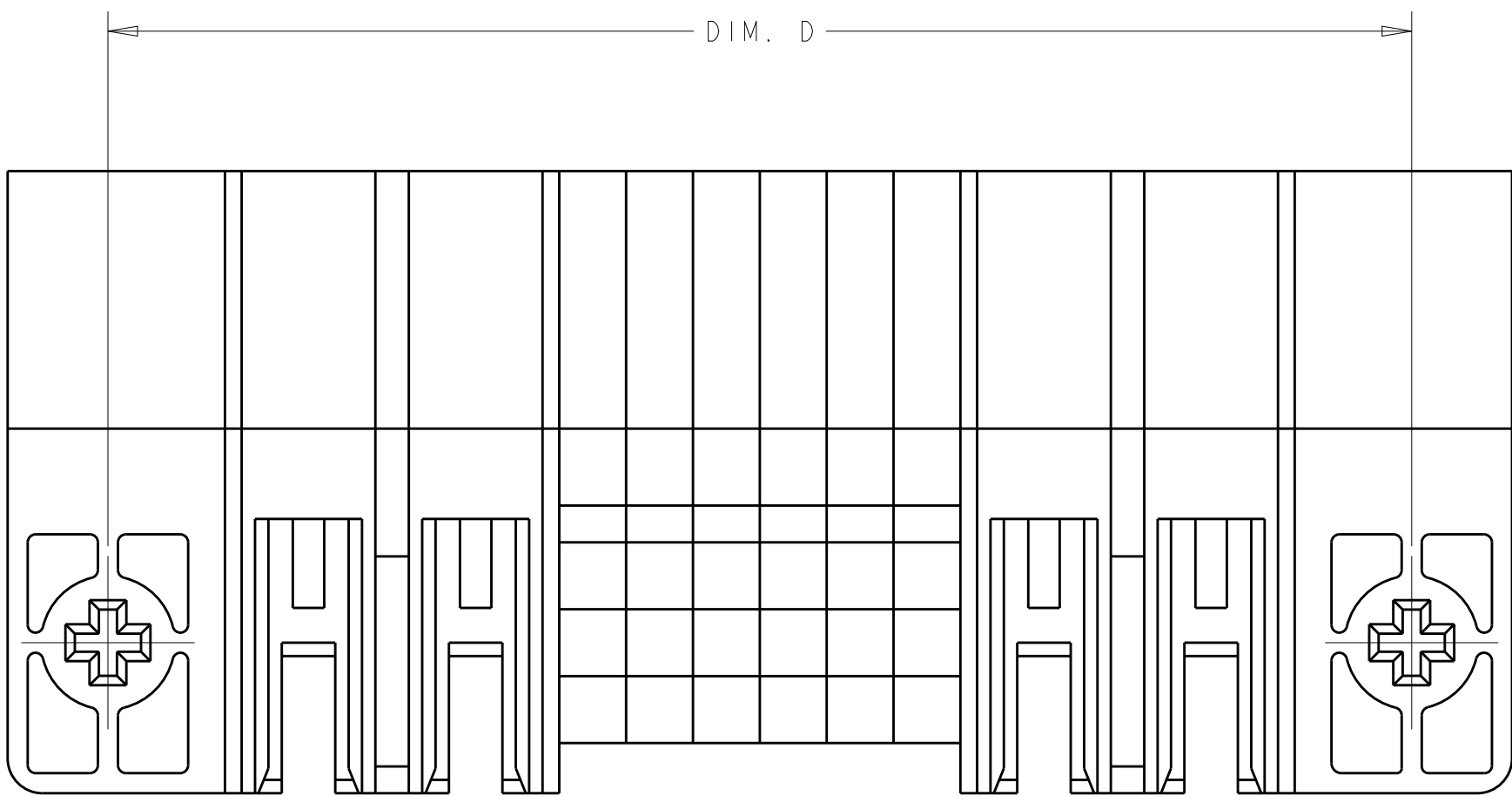
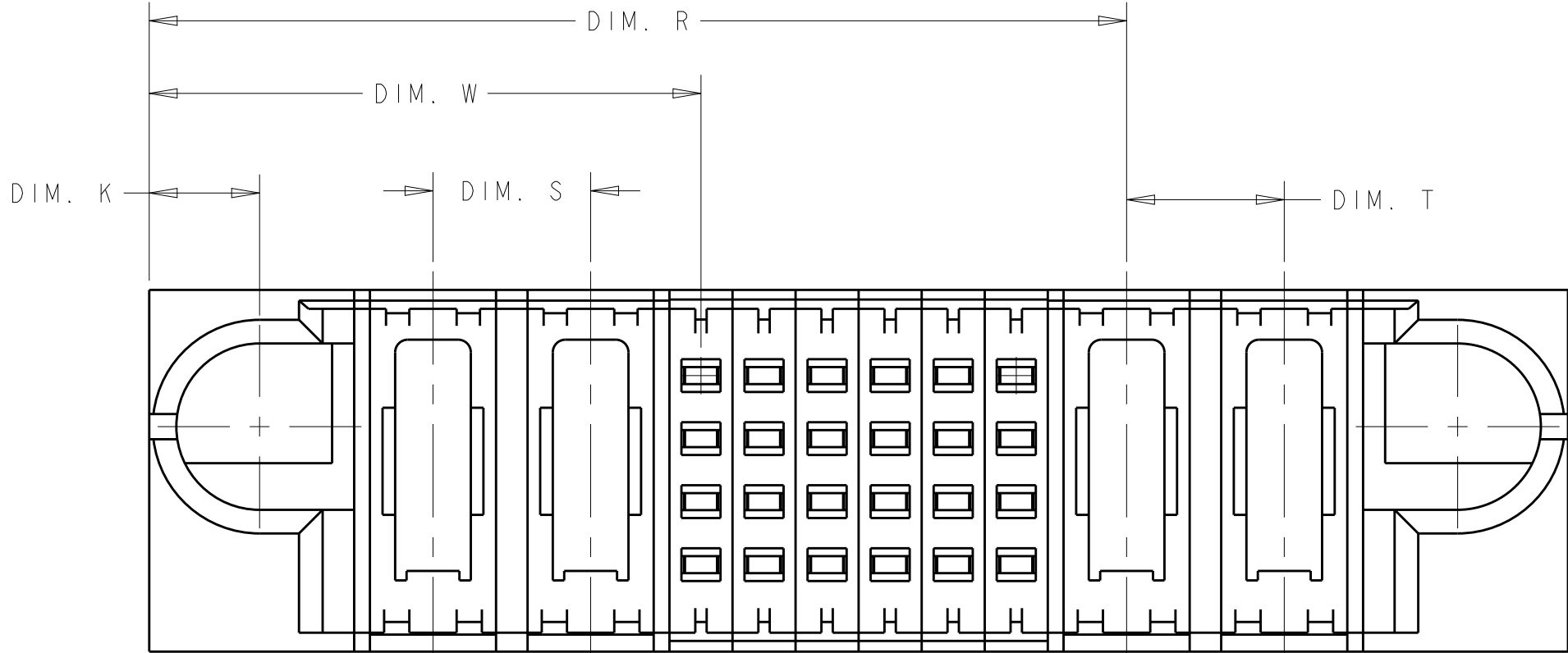
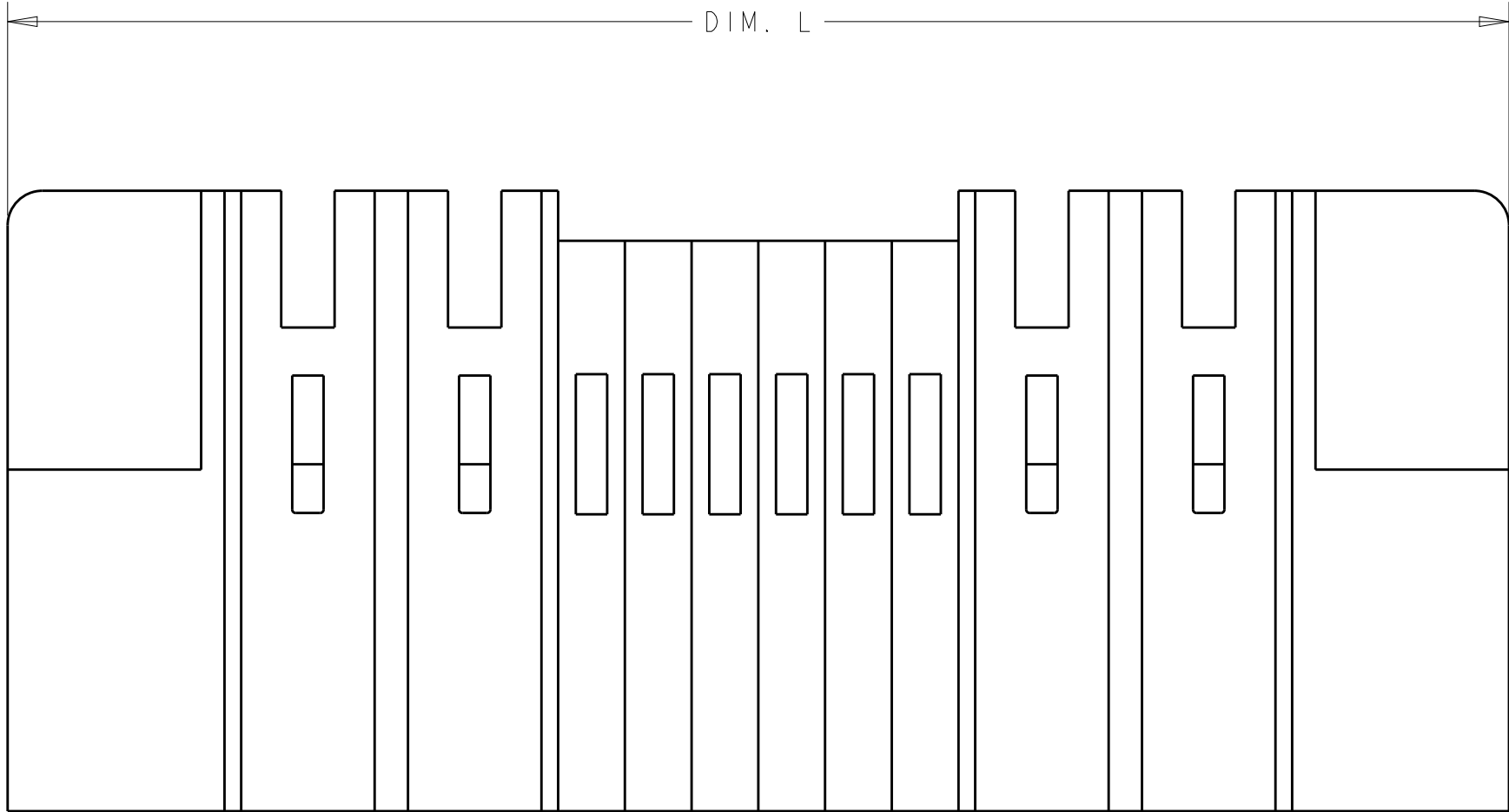


- ⚠ "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- ⚠ MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
SIGNAL CONTACT - COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- ⚠ CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER CONTACTS AND SIGNAL CONTACTS.
- ⚠ MECHANICAL CONNECTOR KEEP OUT ZONE.
- ⚠ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- ⚠ PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- ⚠ PCB - .0453±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 CU PLATING TO ACHIEVE A .040±.003 DIA HOLE



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 15FEB05	 TE Connectivity		
		CHK M. PERCHERKE 15FEB05			
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:	APVD W. PERCHERKE -	NAME	
		0 PLOC ±.1	PRODUCT SPEC	RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL	
		1 PLOC ±.1			
		2 PLOC ±.01			
		3 PLOC ±.005			
		4 PLOC ±.0020	APPLICATION SPEC	SIZE CASE CODE DRAWING NO	
		ANGLES ±.0020			
		114-13038			RESTRICTED TO
		WEIGHT -			
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE 1:1	SHEET 1 OF 9	REV E
-			A100779C=6450131		

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-



PART 2-6450131-1
(NO CONTACT VIEW)

E9	-	-	4.650	.250	.400	4.700	1.800	5.000	52S + 12P	2-6450131-3
	-	-	1.700	.250	.375	1.750	.850	2.050	16S + 4P	2-6450131-2
	1.550	.250	1.900	.250	.450	1.950	.875	2.250	24S	2-6450131-1
			1.600	.250	.375	1.650	.750	1.950	12S + 4P	1-6450131-9
			3.650	.250	.400	3.700	1.300	4.000	32S + 10P	1-6450131-8
			2.950	.200	.375	3.000	1.050	3.300	24S + 10HDP	1-6450131-7
			2.400	.250	.375	2.450	1.050	2.750	24S + 6P	1-6450131-6
			2.450	.200	.375	2.500	.950	2.800	20S + 8P	1-6450131-5
			2.400	.250	.375	2.450	1.050	2.750	24S + 6P	1-6450131-4
			2.550	.200	.375	2.600	1.050	2.900	24S + 3P + 16S + 3P	1-6450131-3
			2.500	.250	.425	2.550	.875	2.850	12S + 7P	1-6450131-1
			2.400	.250	.375	2.450	1.050	2.750	24S + 6P	6450131-7
			2.700	.300	.375	2.750	.775	3.050	12S + 7ACP	6450131-6
			2.400	.250	.375	2.450	1.050	2.750	24S + 6P	6450131-5
			4.400	.250	.375	4.450	1.050	4.750	24S + 14P	6450131-4
			1.950	.250	.375	2.000	.850	2.300	16S + 5P	6450131-3
	DIM R	DIM T	DIM U	DIM S	DIM K	DIM D	DIM W	DIM L	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.01
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES ±2°
FINISH

MATERIAL

-

DWN R. GRZYBOWSKI
CHK M. PERCHERKE
APVD W. PERCHERKE

15FEB05
15FEB05
-

NAME
PRODUCT SPEC
108-1973
APPLICATION SPEC
114-13038
WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

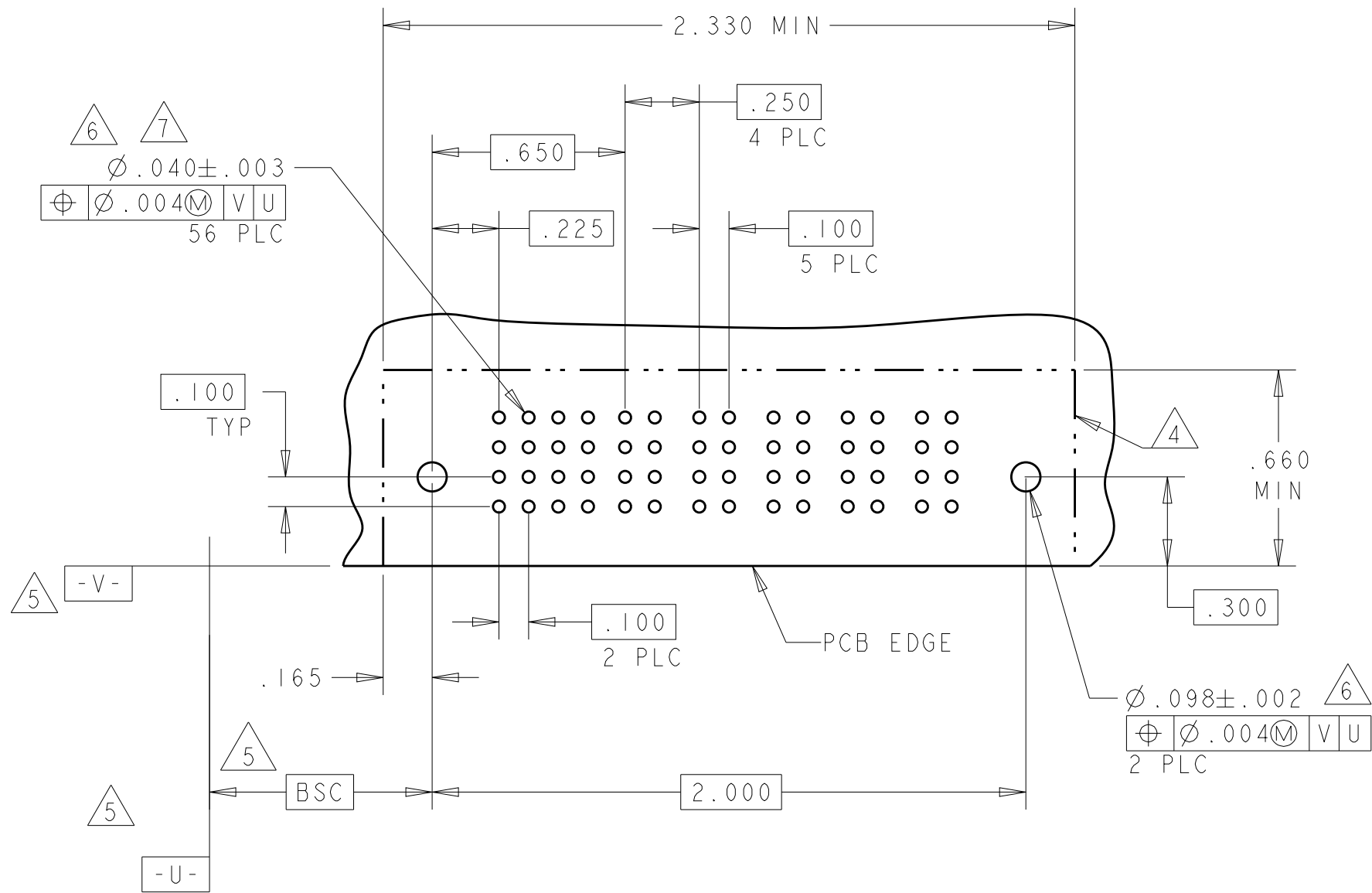
RIGHT ANGLE HEADER ASSY
SOLDER CONTACTS, W/GUIDES
MULTI-BEAM XL

SIZE A1
CAGE CODE 00779
DRAWING NO. 6450131
RESTRICTED TO
-

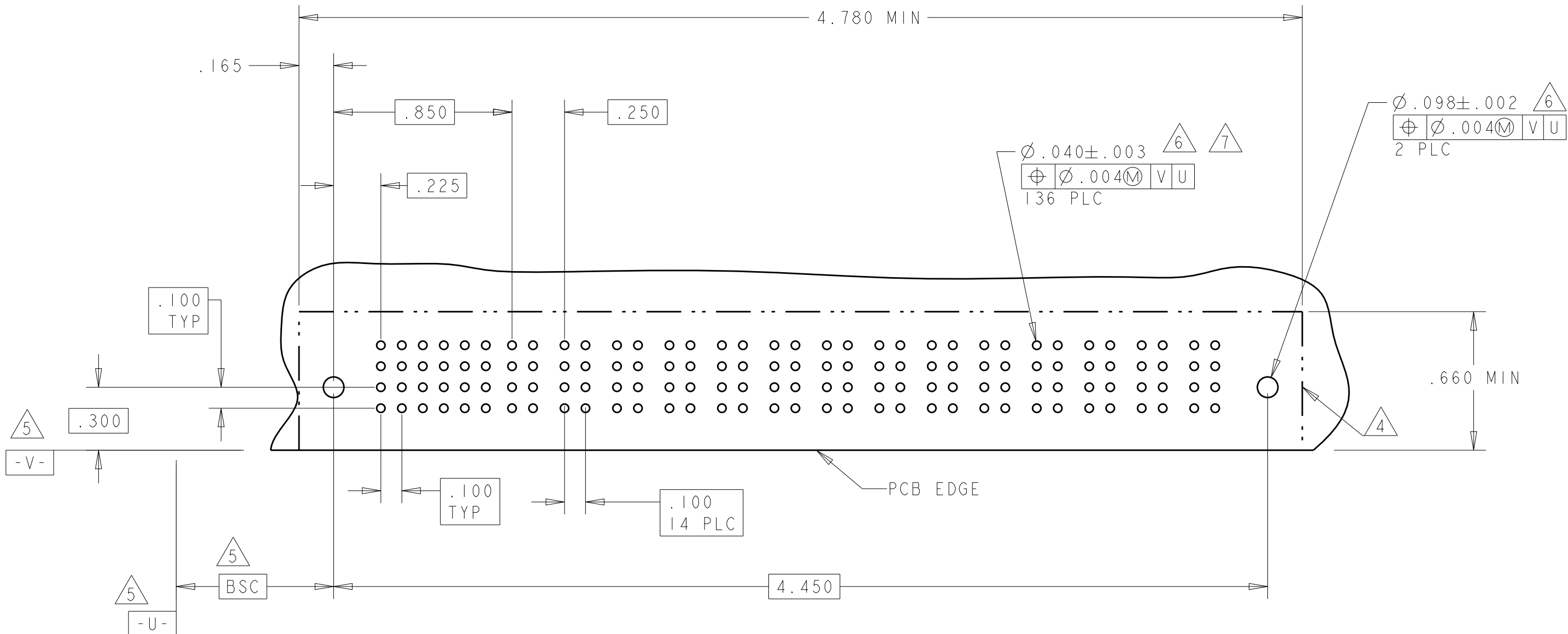
SCALE 1:1
SHEET 2 OF 9
REV E9

LOC		DIST		REVISIONS				
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		-		SEE SHEET 1	-	-	-	

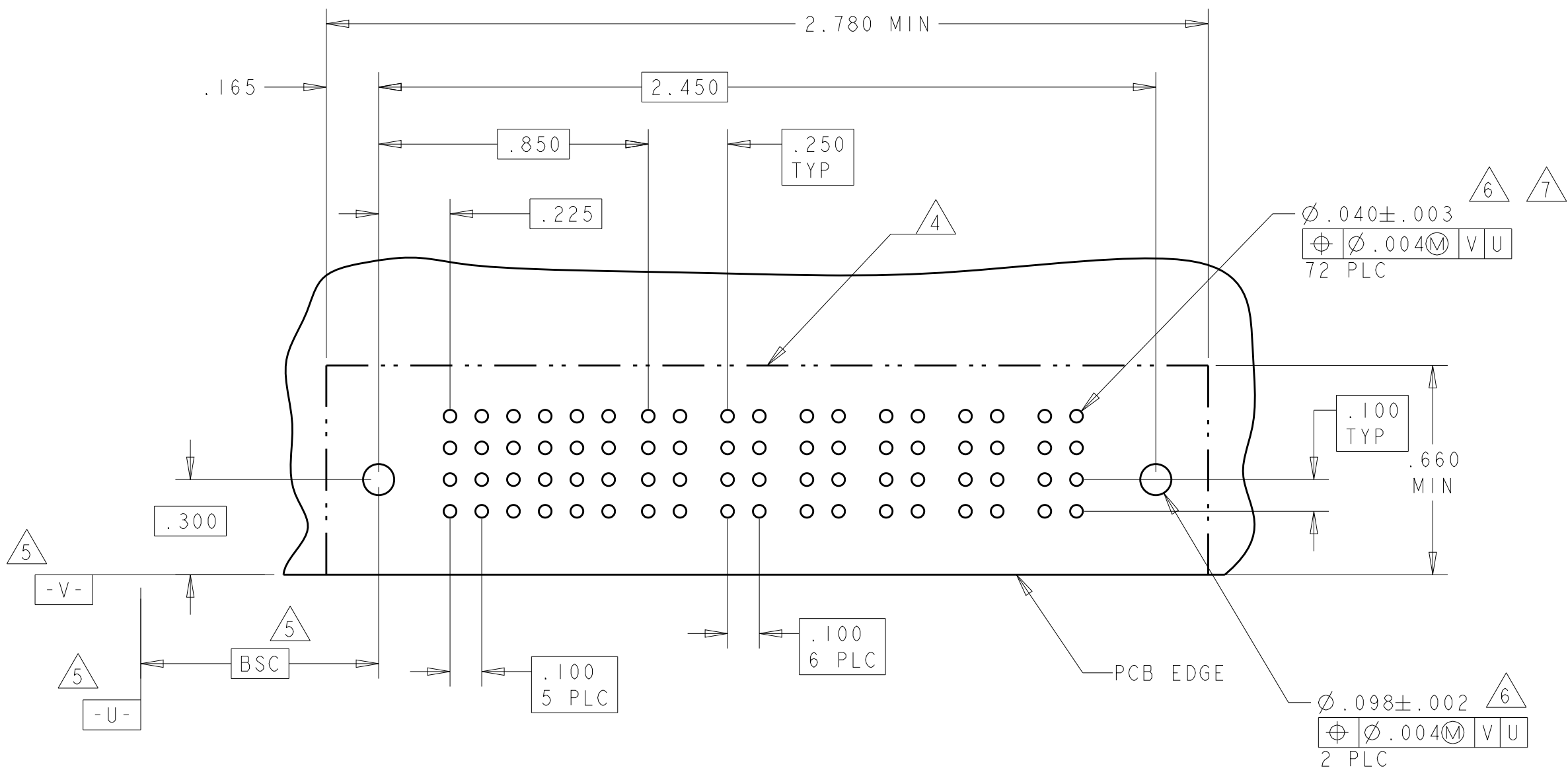
PART NUMBER	ROWS		SIGNAL				POWER					
			I	2	3	4	P1	P2	P3	P4	P5	
6450131-3	D C B A		J	J	J	J	PM	PM	PM	PM	PM	
			K	K	K	K						
			N	N	N	N						
			S	S	S	H						
16S + 5P												



PART NUMBER	ROWS		SIGNAL						POWER															
			1	2	3	4	5	6	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14		
6450131-4	D C B A		J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	
			K	K	K	K	K	K																
			N	N	N	N	N	N																
			S	S	H	H	S	S																
24S + 14P																								



PART NUMBER	ROWS		SIGNAL						POWER						
			I	2	3	4	5	6	P1	P2	P3	P4	P5	P6	
6450131-5	D C B A		J	J	J	J	J	E	PM	PM	PM	PM	PM	PM	
			K	K	K	K	K	K							
			N	N	N	N	N	N							
			H	S	S	S	S	S							
24S + 6P															



PA	.090
PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
FJ	MFBL	.135	D
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A

CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL CONTACT			

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: R. GRZYBOWSKI
CHK: M. PERCHERKE
APVD: W. PERCHERKE

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±.01
1 PLC ±.01
2 PLC ±.01
3 PLC ±.01
4 PLC ±.01
ANGLES ±.0020
FINISH

MATERIAL

CUSTOMER DRAWING

15FEB05
15FEB05

NAME

PRODUCT SPEC
108-1973

APPLICATION SPEC
114-13038

WEIGHT

SCALE 1:1

TE Connectivity

RIGHT ANGLE HEADER ASSY
SOLDER CONTACTS, W/GUIDES
MULTI-BEAM XL

SIZE
A1

CAGE CODE
00779

DRAWING NO
6450131

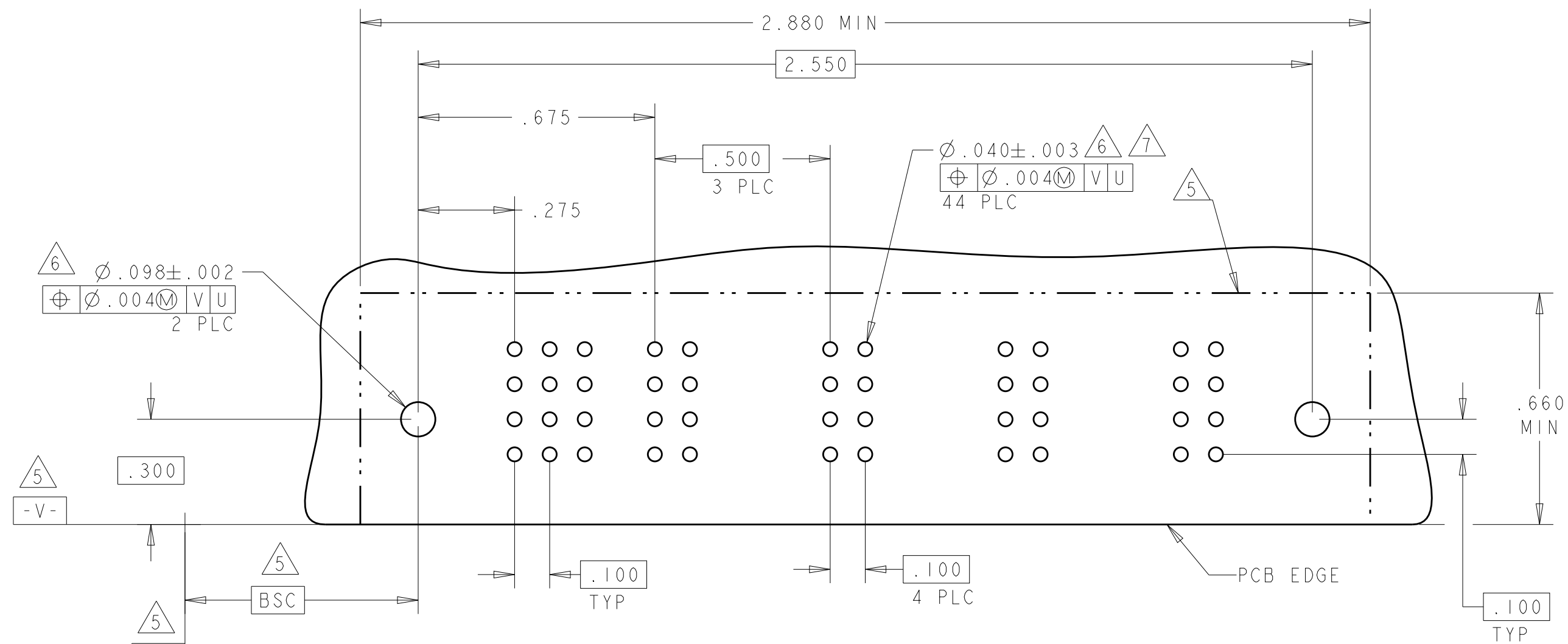
RESTRICTED TO

SHEET 3 OF 9

REV E9

PART NUMBER	ROWS		SIGNAL			POWER											
			1	2	3	P1	P2	P3	P4	P5	P6	P7					
1-6450131-1	D C B A		J	J	J	PM		PM		PM		PM		PM		PM	
			K	K	K												
			N	N	N												
			S	S	S												
12S + 7P			NO														

NO POWER CONTACT LOADED IN THIS CAVITY



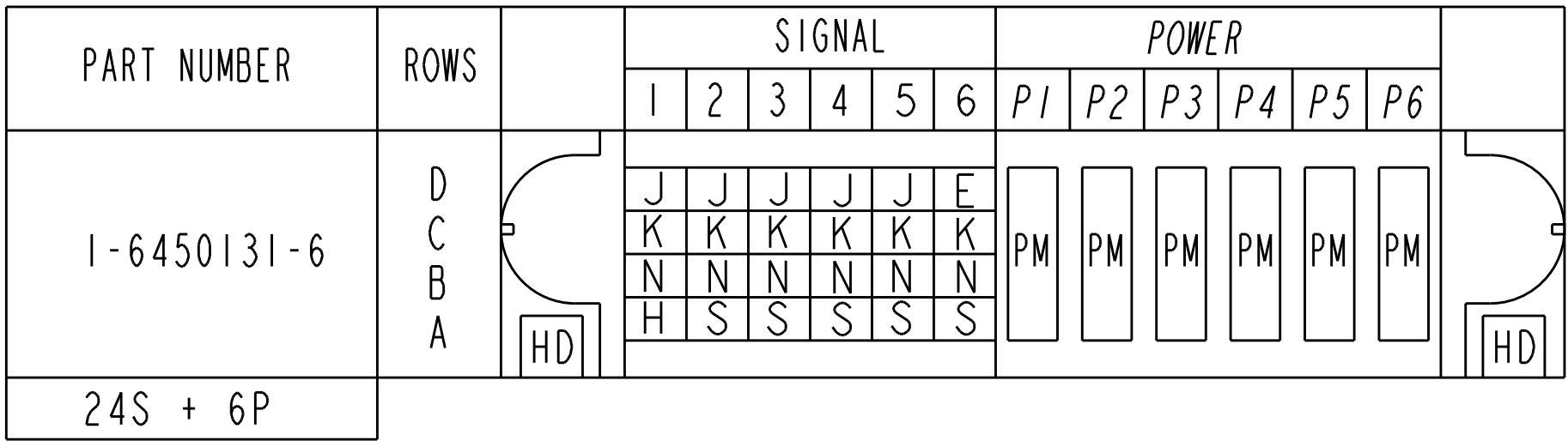
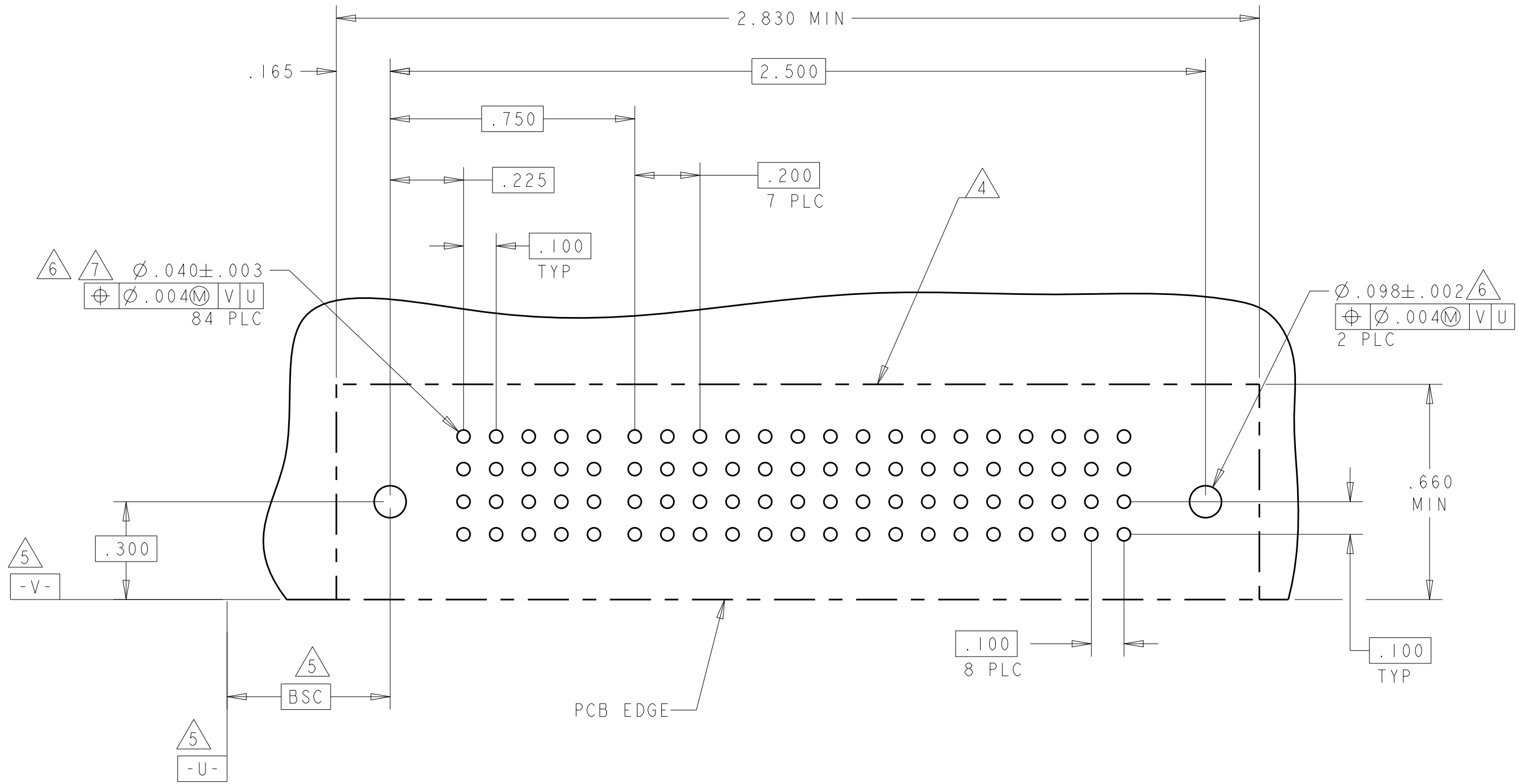
PART NUMBER	ROWS		SIGNAL						POWER			SIGNAL				POWER					
			1	2	3	4	5	6	P1	P2	P3	7	8	9	10	P4	P5	P6			
1-6450131-3	D C B A																				
			J	J	J	J	J	E													
			K	K	K	K	K	K													
			N	N	N	N	N	N													
			H	S	S	S	S	S													
24S + 3P + 16S + 3P																					

This mechanical drawing illustrates the layout of a PCB, detailing dimensions and tolerances. Key features include:

- Overall Dimensions:**
 - Length: 2.930 MIN
 - Width: .660 MIN
- Internal Dimensions and Tolerances:**
 - Top edge: 2.600 MIN, 1.850, .850, .200 (2 PLC), .200 (2 PLC), .225
 - Bottom edge: .300, .100 (5 PLC), .100 (3 PLC), .100 (3 PLC)
 - Right edge: .100 TYP
- Plating and Surface Features:**
 - Top left: $\phi .040 \pm .003$ (72 PLC)
 - Top right: $\phi .098 \pm .002$ (2 PLC)
 - Bottom left: $\phi .004$ (V U)
 - Bottom right: $\phi .004$ (V U)
- Other Labels:**
 - PCB EDGE
 - BSC (Basic Surface Center)
 - 5, 7, 6, 5, 5 (likely indicating specific features or sections)

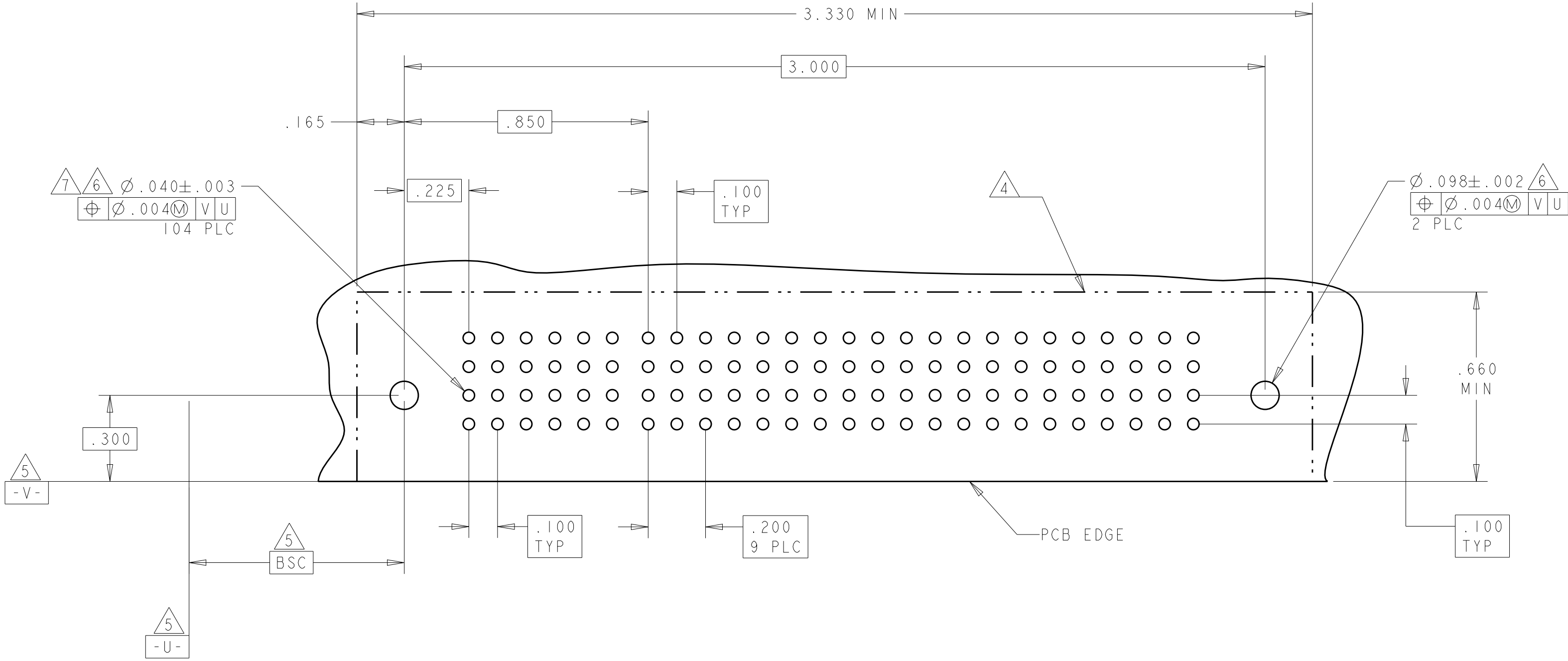
4805 (3/11)

PART NUMBER	ROWS		SIGNAL					POWER													
			1	2	3	4	5	P1	P2	P3	P4	P5	P6	P7	P8						
I-6450131-5	D		J	J	J	J	J														
	K		K	K	K	K	K											K	K		
	N		G	N	N	N	N											N	N	N	N
	S		S	S	S	S	S											S	S	S	S
HD																HD					
20S + 8P																					

4805 (3/11)

LOC		DIST		REVISIONS				
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		-	SEE SHEET 1	-	-	-		

PART NUMBER	ROWS		SIGNAL						POWER															
			1	2	3	4	5	6	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10						
I-6450131-7	D C B A		J	J	J	J	J	J		PM		PM		PM		PM		PM		PM		PM		
			K	K	K	F	K	K																
			N	N	N	N	N	N																
			S	S	S	S	S	S																
24S + 10HDP																								



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
R. GRZYBOWSKI

CHK
M. PERCHERKE

APVD
M. PERCHERKE

15FEB05

15FEB05

-

DIMENSIONS:
INCHES

0 PLC ±"

1 PLC ±.01

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±2°

FINISH

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

15FEB05

15FEB05

-

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

-

CUSTOMER DRAWING

SCALE 1:1

SHEET 6 OF 9

REV E 9

TE Connectivity

NAME
RIGHT ANGLE HEADER ASSY
SOLDER CONTACTS, W/GUIDES
MULTI-BEAM XL

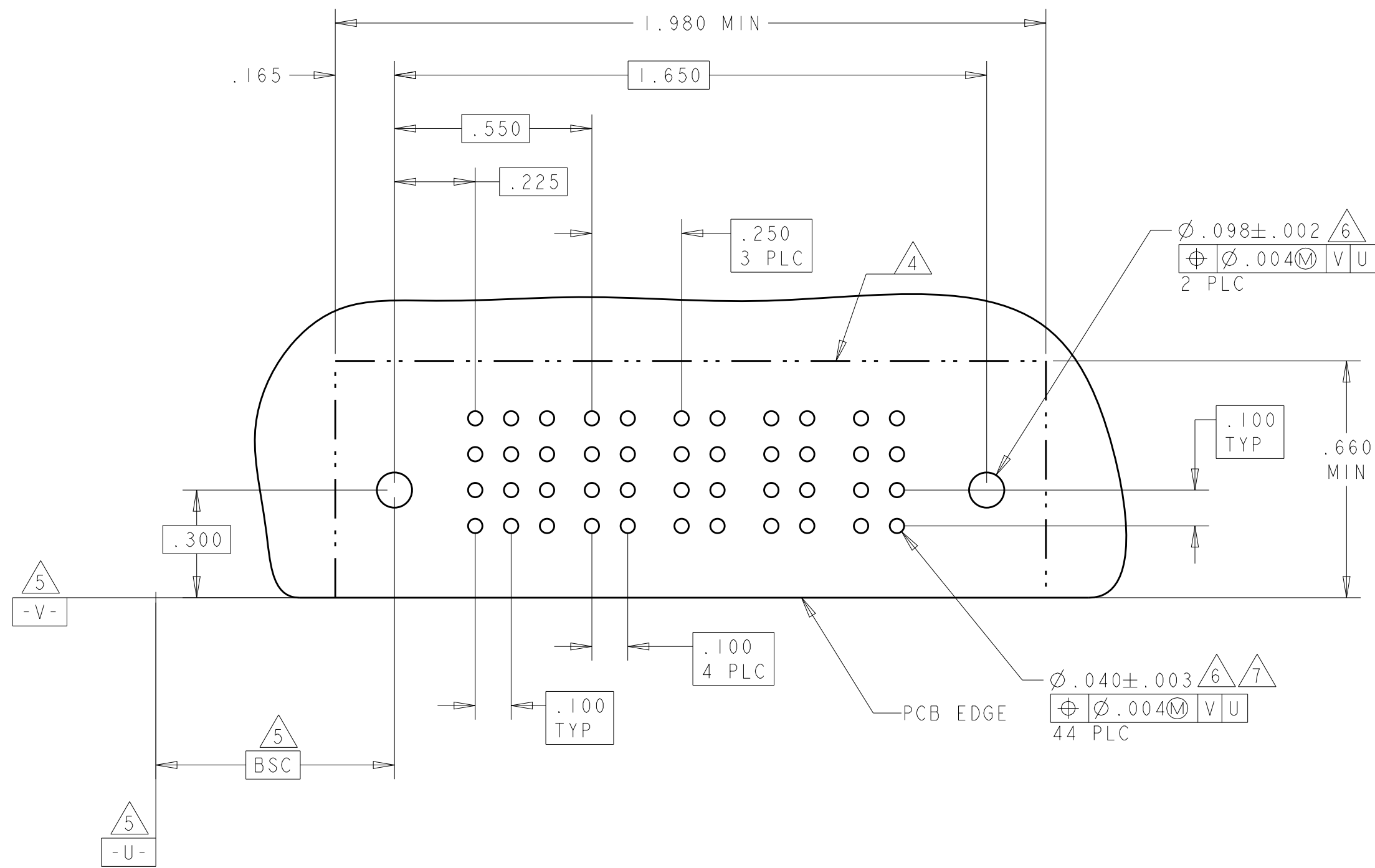
SIZE
A1

CAGE CODE
100779

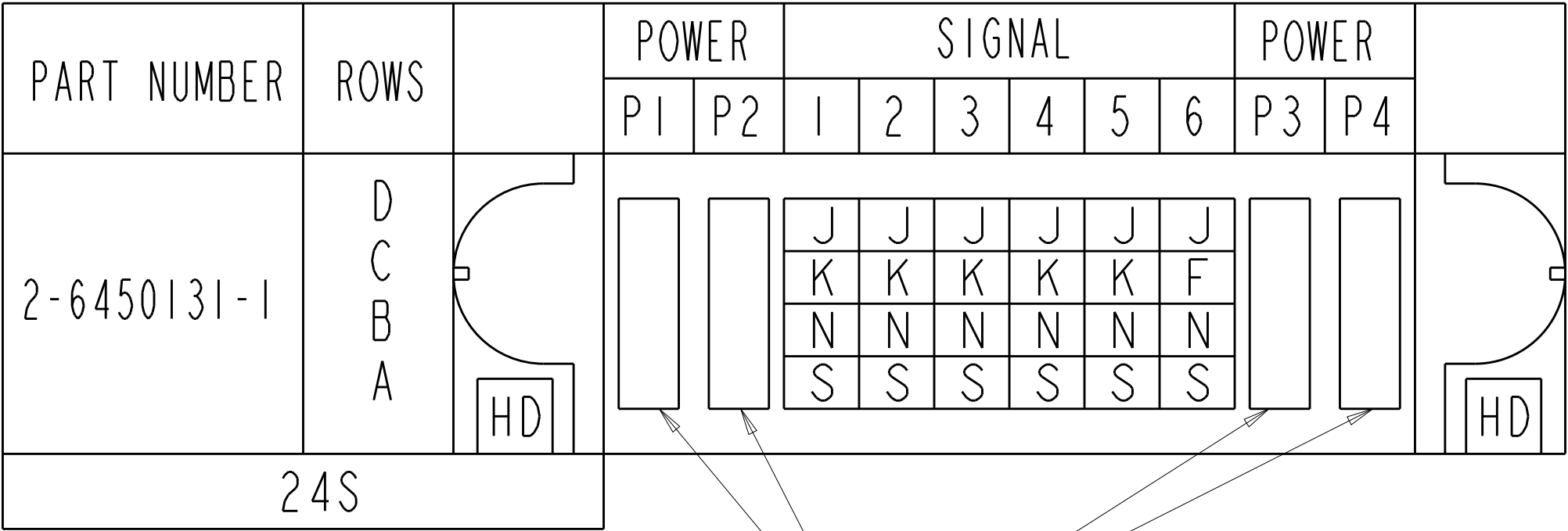
DRAWING NO
C=6450131

RESTRICTED TO
-

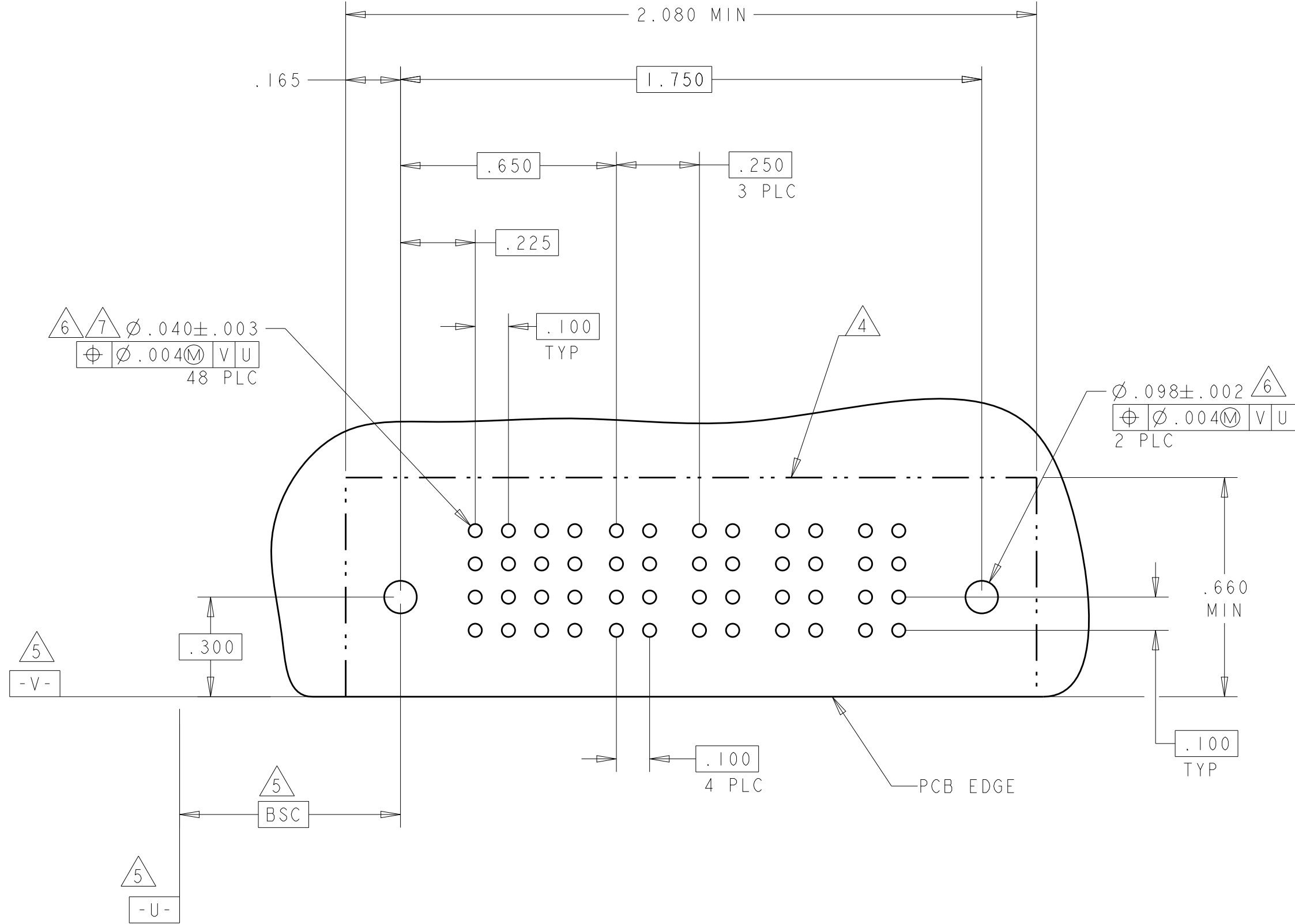
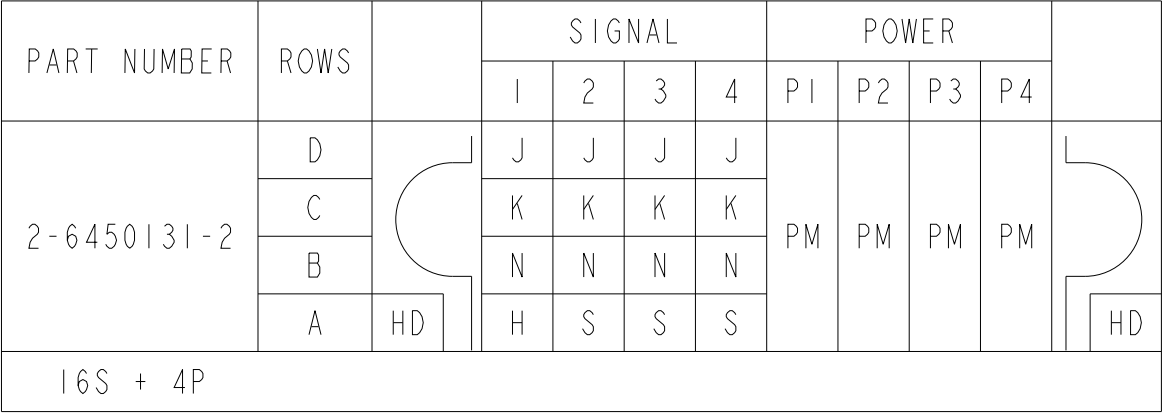
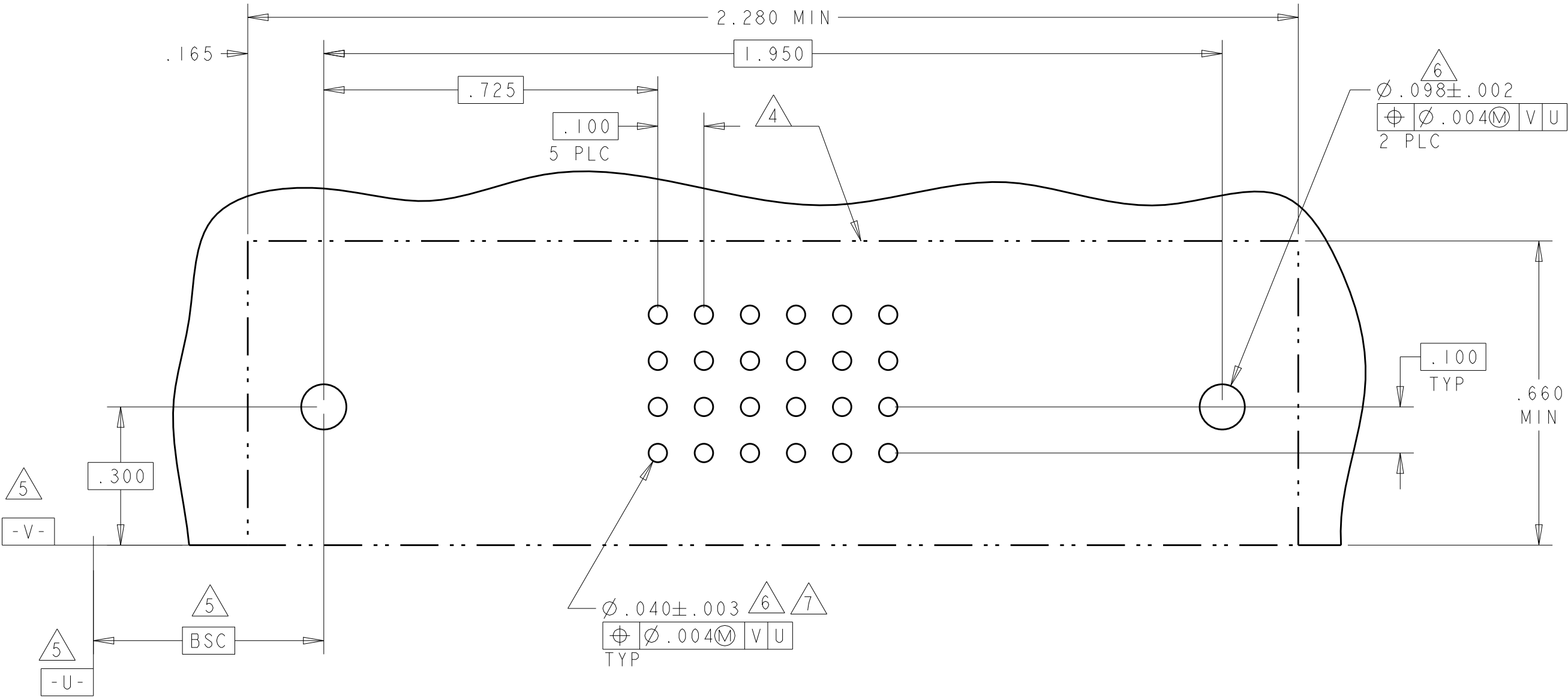
PART NUMBER	ROWS		SIGNAL			POWER				
			I	2	3	P1	P2	P3	P4	
1-6450131-9	D		J	FJ	FJ	PM	PM	PM	PM	
	C		K	K	K					
	B		N	N	N					
	A		HD	H	H					
12S + 4P										

4805 (3/11)

LOC		DIST		REVISIONS				
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		-	-	SEE SHEET 1	-	-	-	

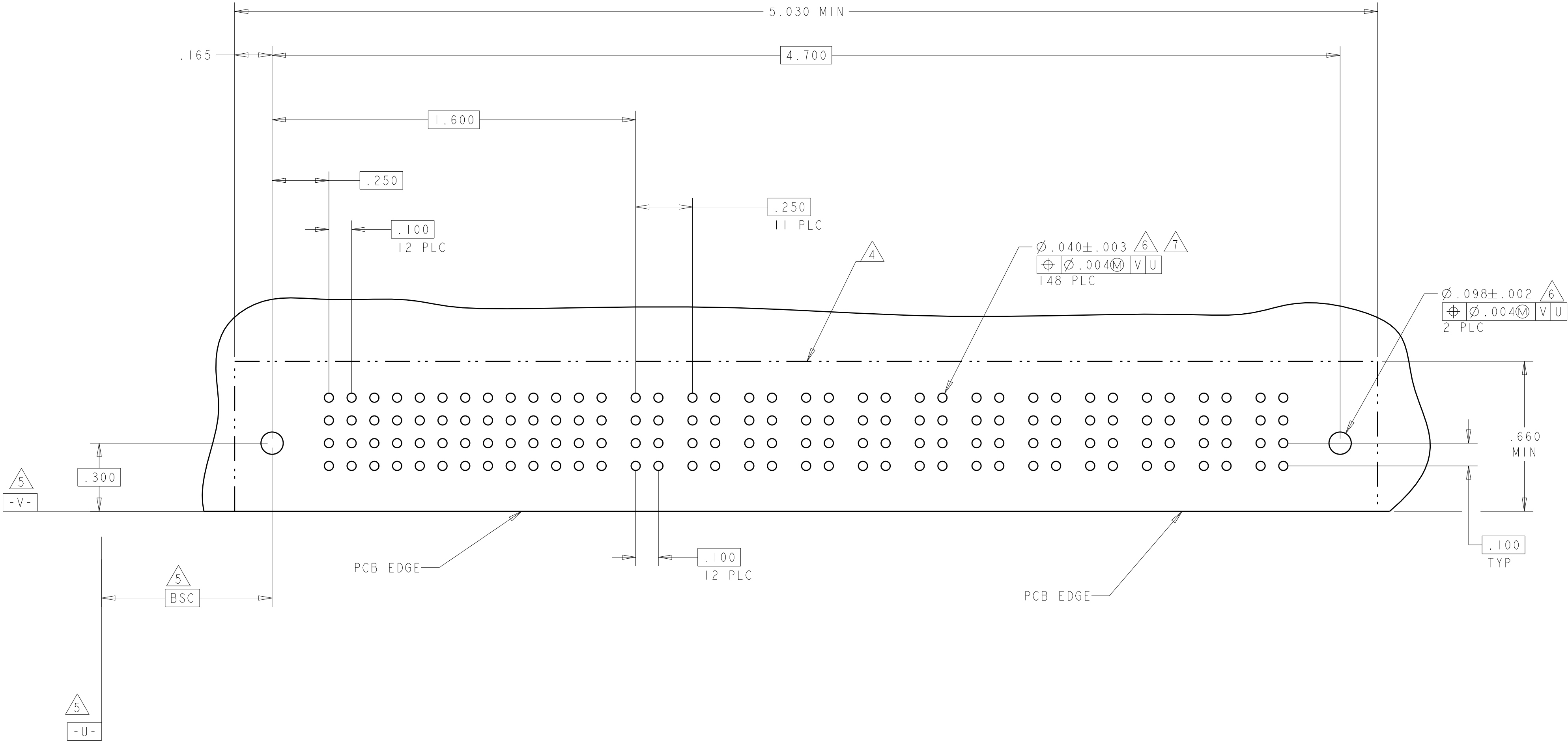


NO CONTACT LOADED



LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		SIGNAL													POWER												
			1	2	3	4	5	6	7	8	9	10	11	12	13	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	
2-6450131-3	D		J	J	J	J	J	J	J	J	J	J	J	J		PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	
	C		K	K	K	K	K	F	F	K	K	K	K	K														
	B		N	N	N	N	N	G	G	N	N	N	N	N	N													
	A		S	S	S	S	S	S	S	S	S	S	S	S	S													
52S + 12P																												



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

R. GRZYBOWSKI

15FEB05

CHK

M. PERCHERKE

15FEB05

APVD

M. PERCHERKE

-

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

-

CUSTOMER DRAWING

SIZE

A1

CAGE CODE

00779

DRAWING NO

6450131

RESTRICTED TO

-

SCALE

1:1

SHEET

9

OF

9

REV

E9

TE

TE Connectivity

RIGHT ANGLE HEADER ASSY

SOLDER CONTACTS, W/GUIDES

MULTI-BEAM XL