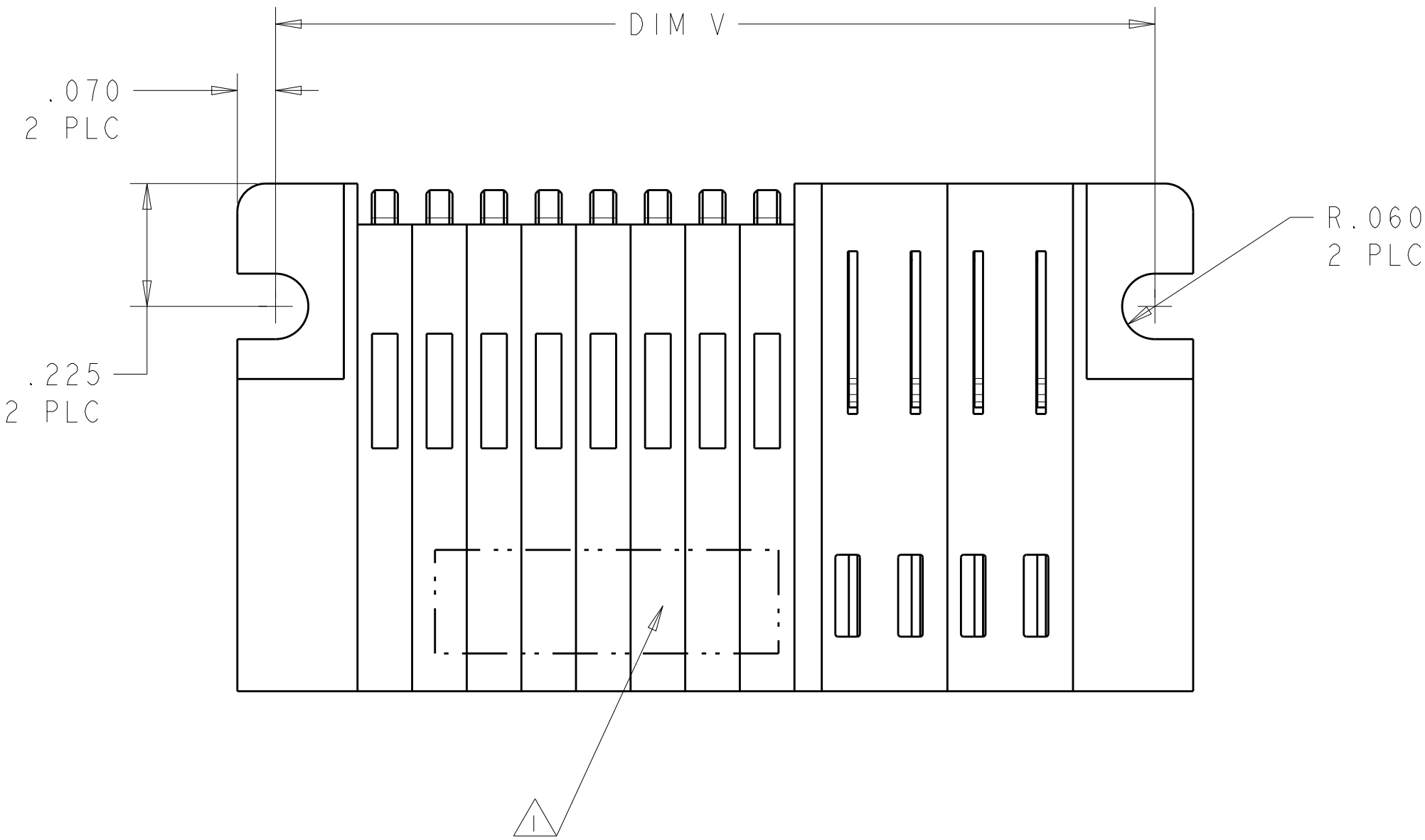
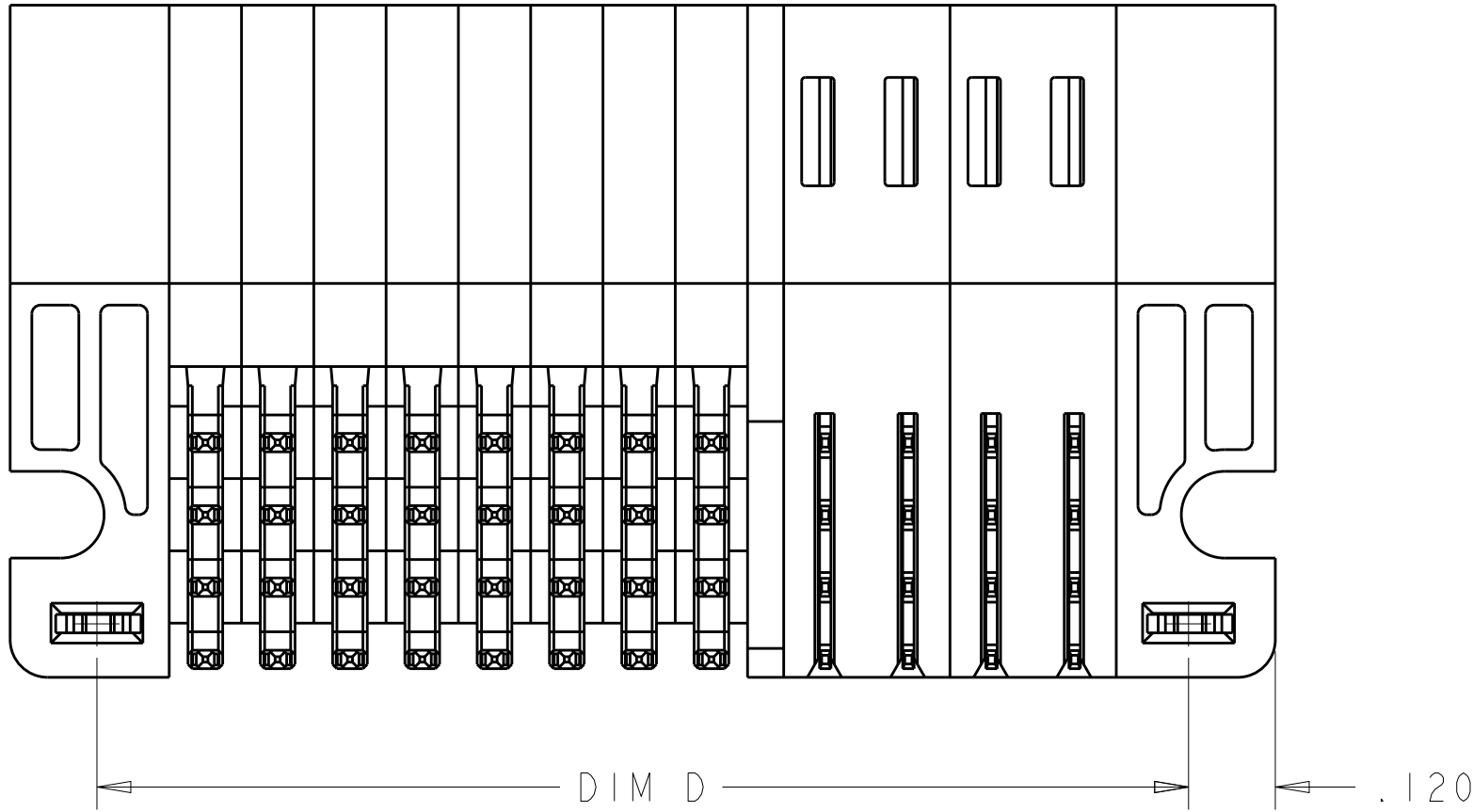
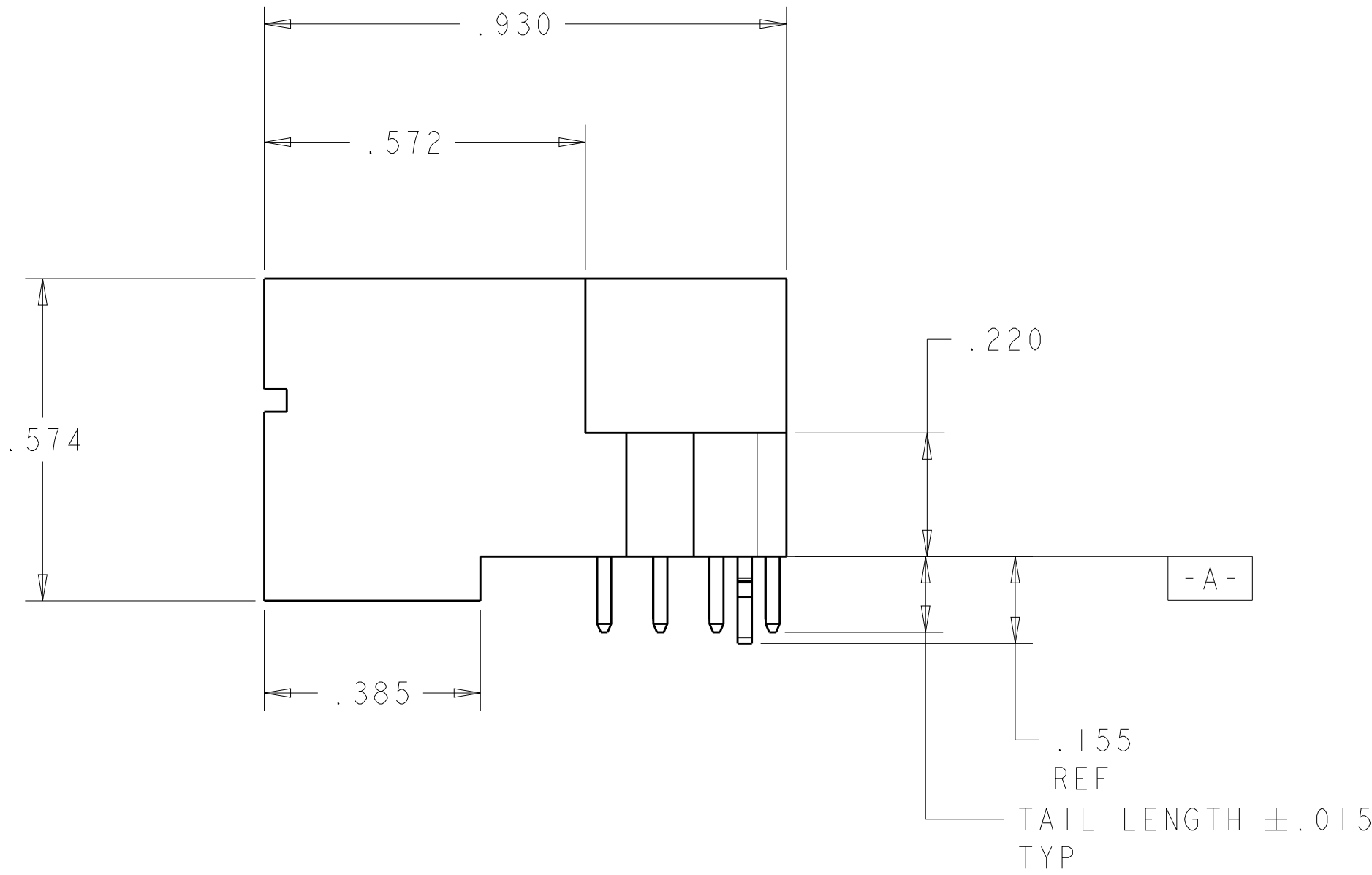
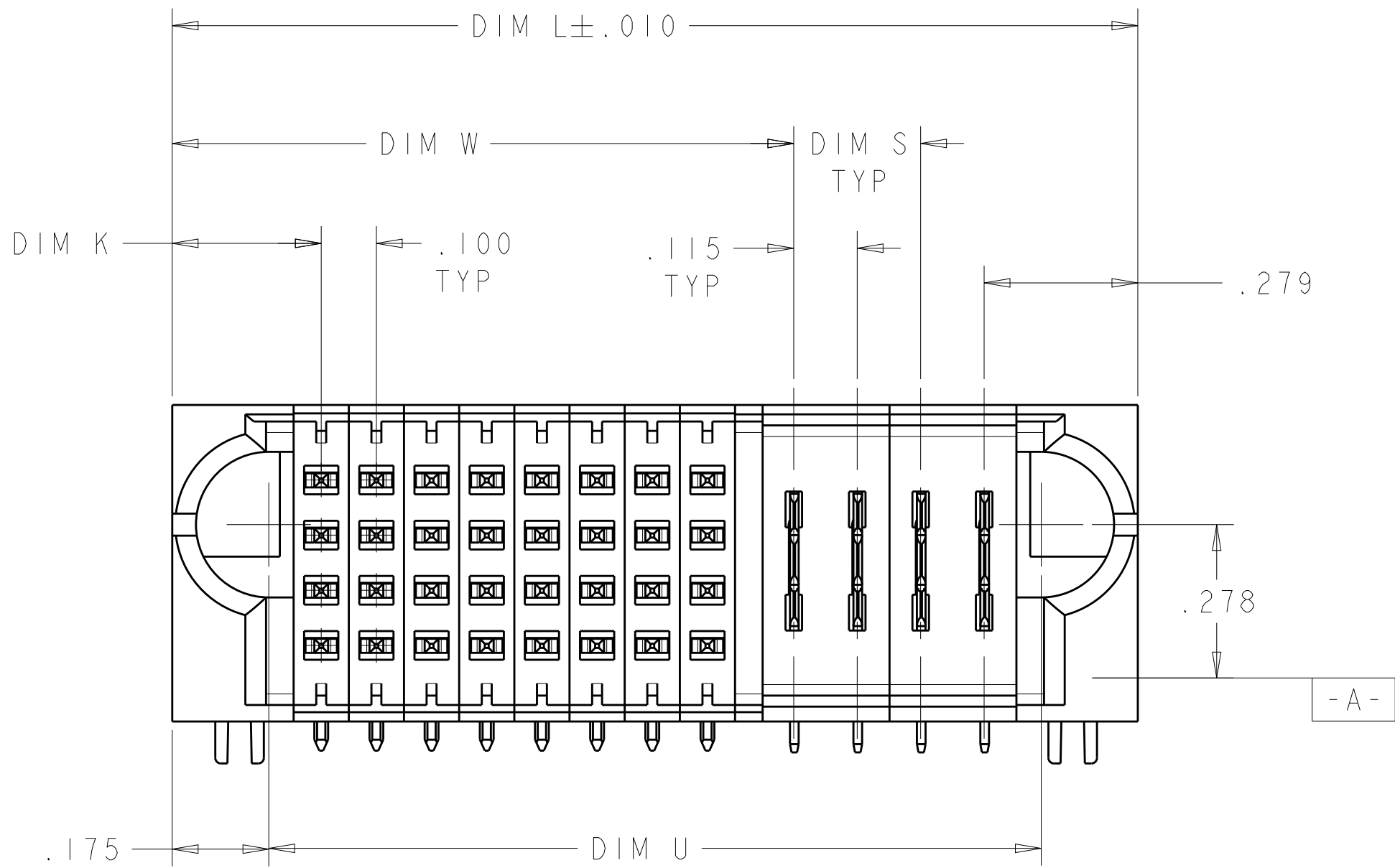


LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			L1	REVISED FOR 2-6	14MAY2014	CZ	SZ
			L5	ADD NEW DASH NUMBER 3-4	22SEP2014	CZ	SZ
			L6	ADD 3-6 PER ECO-14-018856	31DEC2014	CZ	SZ

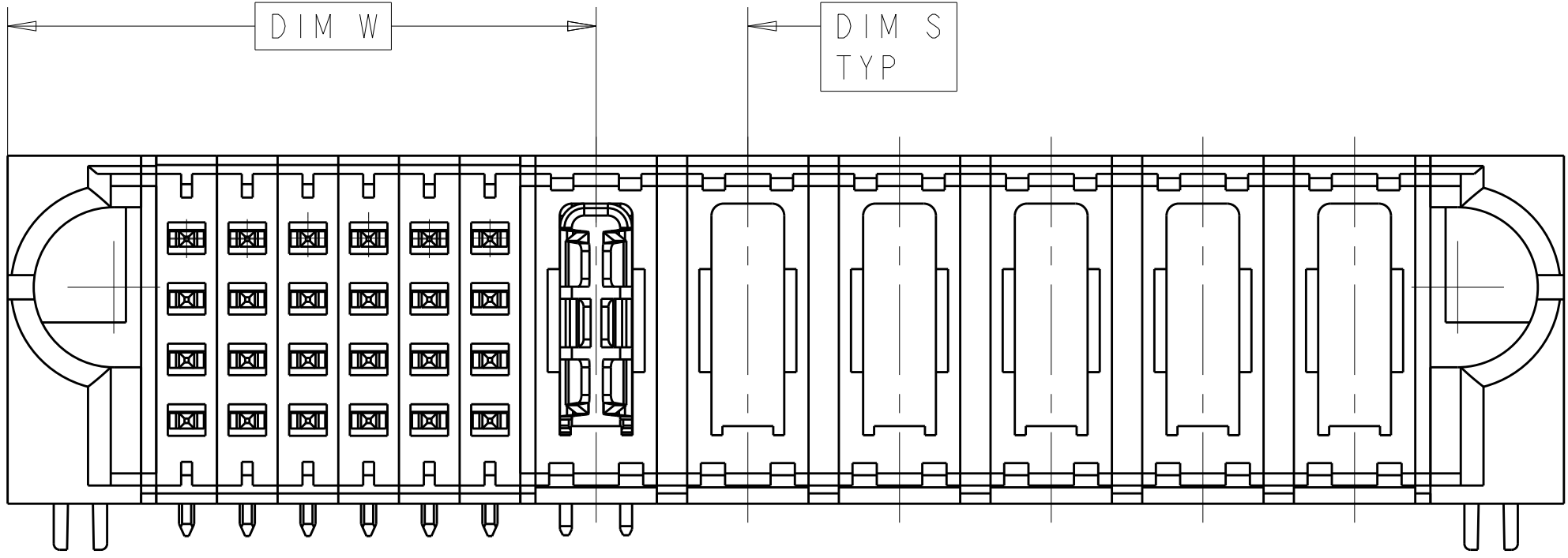


- 1 "AMP", PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN
PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, BLACK, UL94 V-0
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 3 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER
AND SIGNAL CONTACTS
- 4 MECHANICAL CONNECTOR KEEP OUT ZONE
- 5 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
- 6 PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES
- 7 PCB - 0.0453 ±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn
OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 ±.030 HOLE
- 8 FOR "S+P" CONFIGURATION , VARIABLE DIMENSIONS PLEASE REFER TO SHEET 2.
- 9 VARIABLE DIMENSIONS PLEASE SEE TABLE.



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. ZHOU CHK S. ZHAO APVD S. YAO	15OCT2007 15OCT2007 -	TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE	
		0 PLC ±"	PRODUCT SPEC	SIZE A1	
		1 PLC ±.01	108-2292		
		2 PLC ±.01	APPLICATION SPEC	CAGE CODE 6450831	
		3 PLC ±.005	108-13038		
		4 PLC ±.0020	WEIGHT	Customer Drawing	
		ANGLES ±2°	-		
MATERIAL 2		FINISH 3	-	SCALE 4:1	
				SHEET 1 OF 17	
				REV L7	

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



△ FOR "S+P" CONFIGURATION
UNSPECIFIED DIMENSIONS REFER TO SHEET 1

(L6)	.600	.700	.490	-	-	.270	.840	16S	3-6450831-6
	3.800	3.900	3.690	.200	3.120	.270	4.040	112S + 4HDP	3-6450831-4
	2.920	3.020	2.810	.250△9	.845△9	.270	3.160	20S + 4P + 3LP	3-6450831-0
	2.250	2.350	2.140	.200△8	.745△8	.270	2.490	16S + 8HDP	2-6450831-9
	3.450	3.550	3.340	.300△8	1.220△8	.270	3.690	32S + 8ACP	2-6450831-8
	2.250	2.350	2.140	.300△8	1.220△8	.270	2.490	32S + 4ACP	2-6450831-7
	1.750	1.850	1.640	△9	.745△8	.270	1.990	16S + 4P	2-6450831-6
	4.125	4.225	4.015	.375△8	.995△8	.270	4.365	24S + 9P	2-6450831-5
	2.800	2.900	2.690	.250△8	.945△8	.270	3.040	24S + 8P	2-6450831-4
	3.225	3.325	3.115	.200△8	.945△8	.270	3.465	24S + 12HDP	2-6450831-3
	4.400	4.500	4.290	△8-△9	1.995	.270	4.64	64S+4P+2HDP+5P	2-6450831-2
	.875	.975	.765	-	-	.345	1.115	24S	2-6450831-1
	.875	.975	.765	-	-	.345	1.115	24S	2-6450831-0
	1.625	1.725	1.515	.200△8	.945△8	.270	1.865	24S + 4P	1-6450831-9
	3.600	3.700	3.490	.250	.770	.295	3.840	16S + 12P	1-6450831-8
	3.100	3.200	2.990	.250	.770	.295	3.340	16S + 10P	1-6450831-7
	3.100	3.200	2.990	.250	.770	.295	3.340	16S + 10P	1-6450831-6
	.600	.700	.490	-	-	.270	.840	16S	1-6450831-5
	4.500	4.600	4.390	.250△8	1.145△8	.270	4.74	32S + 14P	1-6450831-4
	3.250	3.350	3.140	.225△8	1.145△8	.270	3.490	32S + 10P	1-6450831-3
	3.300	3.400	3.190	△9	1.170△8	.270	3.540	32S + 10P	1-6450831-2
	.800	.900	.690	-	-	.270	1.040	24S	1-6450831-1
	2.325	2.425	2.215	.250△8	.970△8	.295	2.565	24S + 6P	6450831-9
	2.825	2.925	2.715	.250△8	.970△8	.295	3.065	24S + 8P	6450831-7
	2.325	2.425	2.215	.250△8	.970△8	.295	2.565	24S + 6P	6450831-6
	2.000	2.100	1.890	-	-	.270	2.240	72S	6450831-5
	.800	.900	.690	-	-	.270	1.040	24S	6450831-4
	5.405	5.505	5.295	-	5.2275	.295	5.645	196S + 2LP	6450831-3
	1.510	1.610	1.400	.230	1.1275	.270	1.750	32S + 4LP	6450831-1
	DIM D	DIM V	DIM U	DIM S	DIM W	DIM K	DIM L	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±"

1 PLC ±.01

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±2°

FINISH -

DWN

C. ZHOU

15OCT2007

CHK

S. ZHAO

15OCT2007

APVD

S. YAO

-

NAME

R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

PRODUCT SPEC

108-2292

APPLICATION SPEC

108-13038

WEIGHT

-

Customer Drawing

SIZE

CAGE CODE

DRAWING NO

100779

©=6450831

RESTRICTED TO

-

SCALE

4:1

SHEET

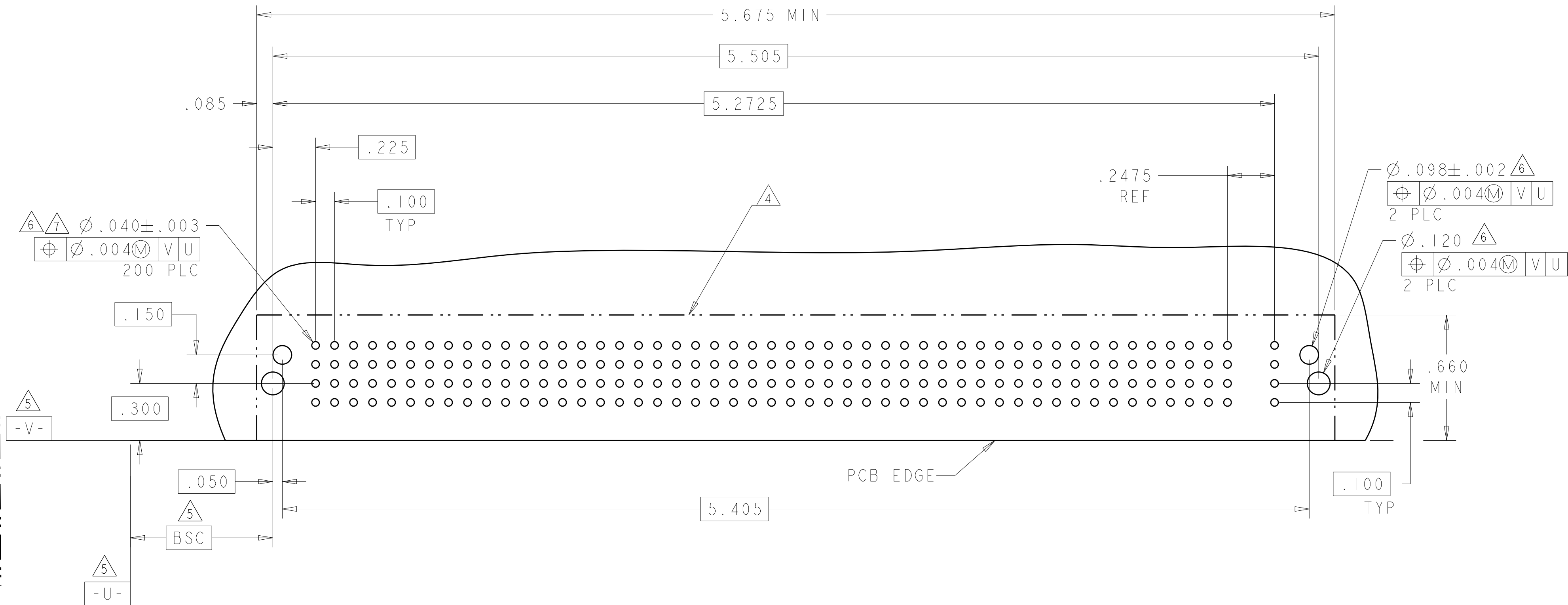
2

OF

17

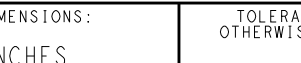
REV

L7

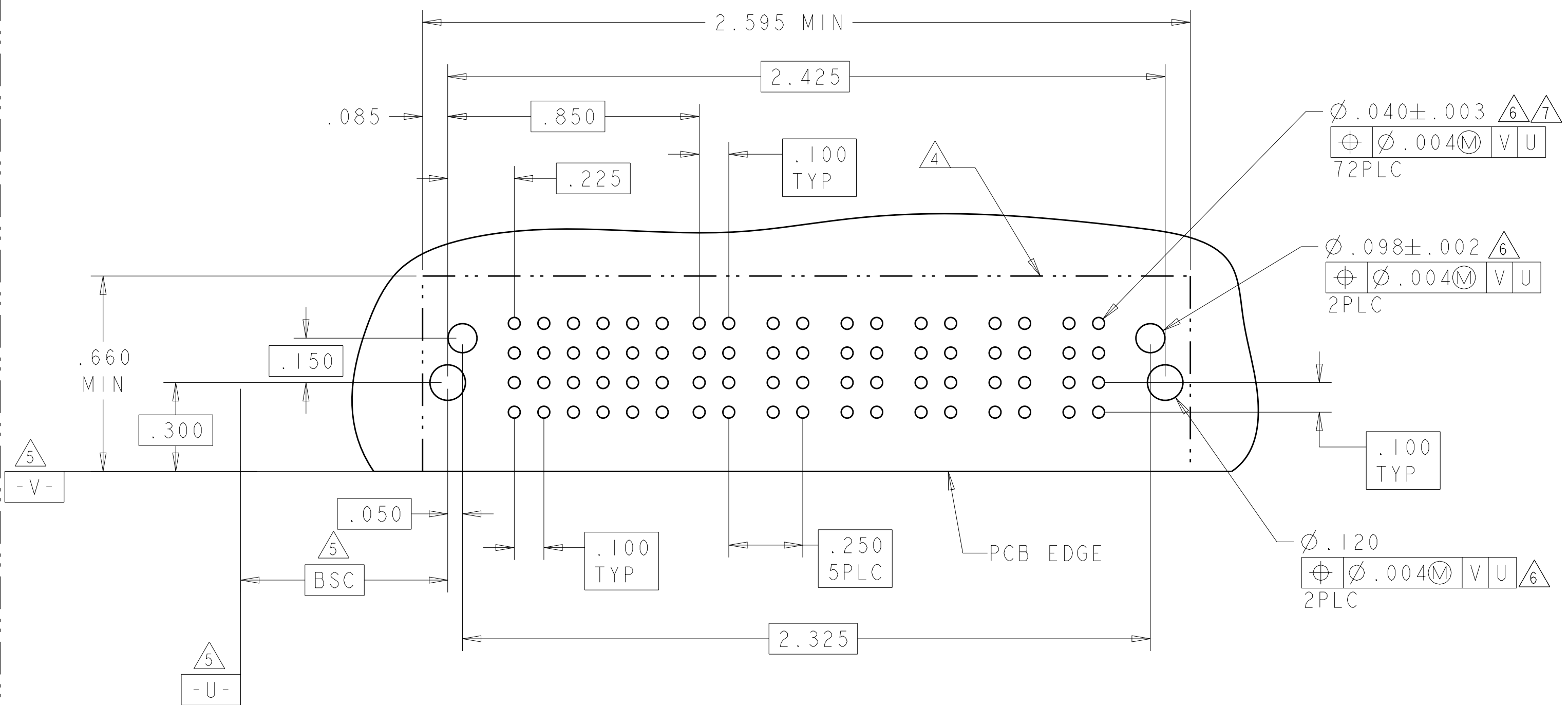
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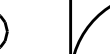
Mechanical drawing of a PCB edge showing dimensions and tolerances. The drawing includes the following features:

- Top Edge:**
 - Overall width: 1.070 MIN
 - Distance from left edge to center of first hole: .900
 - Distance between centers of first two holes: .085
 - Distance from left edge to center of third hole: .200
 - Distance between centers of third and fourth holes: .100 TYP
- Right Edge:**
 - Overall height: .660 MIN
 - Distance from top edge to center of first hole: .150
 - Distance from top edge to center of second hole: .300
 - Distance from top edge to center of third hole: .050
 - Distance from top edge to center of fourth hole: .800
 - Distance from top edge to center of fifth hole: .100 TYP
- Bottom Edge:**
 - Distance from bottom edge to center of first hole: .150
 - Distance from bottom edge to center of second hole: .300
 - Distance from bottom edge to center of third hole: .050
 - Distance from bottom edge to center of fourth hole: .800
 - Distance from bottom edge to center of fifth hole: .100 TYP
- Internal Features:**
 - Central hole array: 5 rows by 5 columns of holes.
 - Top edge feature: .040 ± .003 (6) 7
 - Right edge feature: .098 ± .002 (6) 7
 - Bottom edge feature: .040 ± .003 (6) 7
 - Left edge feature: .040 ± .003 (6) 7
- Labels and Tolerances:**
 - Top edge: 24 PLC
 - Right edge: 2 PLC OPTIONAL
 - Bottom edge: 2 PLC
 - Left edge: 2 PLC

DESCRIPTION		IDENTIFIER	
THIS DRAWING IS A CONTROLLED DOCUMENT.		 TE Connectivity	
DIMENSIONS: INCHES		NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 		SIZE A1	
MATERIAL -		CASE CODE 00779	
FINISH -		DRAWING NO C=6450831	
WEIGHT -		RESTRICTED TO -	
Customer Drawing		SCALE 4:1 SHEET 3 OF 17 REV L7	

PART NUMBER	ROWS		SIGNAL						POWER						
			I	2	3	4	5	6	P1	P2	P3	P4	P5	P6	
6450831-6	D C B A		J	J	J	J	J	J							
			K	K	K	K	K	K							
			N	N	N	G	N	N							
			S	S	S	H	S	S							
24S + 6P															

4805 (3/11)

ASSY PART NUMBER	ROWS		SIGNAL						POWER							
			I	2	3	4	5	6	PI	P2	P3	P4	P5	P6		
6450831-9	D C B A		J	J	J	J	J	J								
			K	K	K	K	K	K								
			N	N	N	N	N	N								
			S	S	S	S	S	S								
24S + 6P																

3.095 MIN

.085

.850

.225

.100 TYP

$\varnothing .040 \pm .003$ 6 7

$\varnothing .004$ M V U

88 PLC

$\varnothing .120 \pm .003$ 6

$\varnothing .004$ M V U

2 PLC

.100 TYP

.660 MIN

5 -V-

.300

5 BSC

.100 TYP

.250 7 PLC

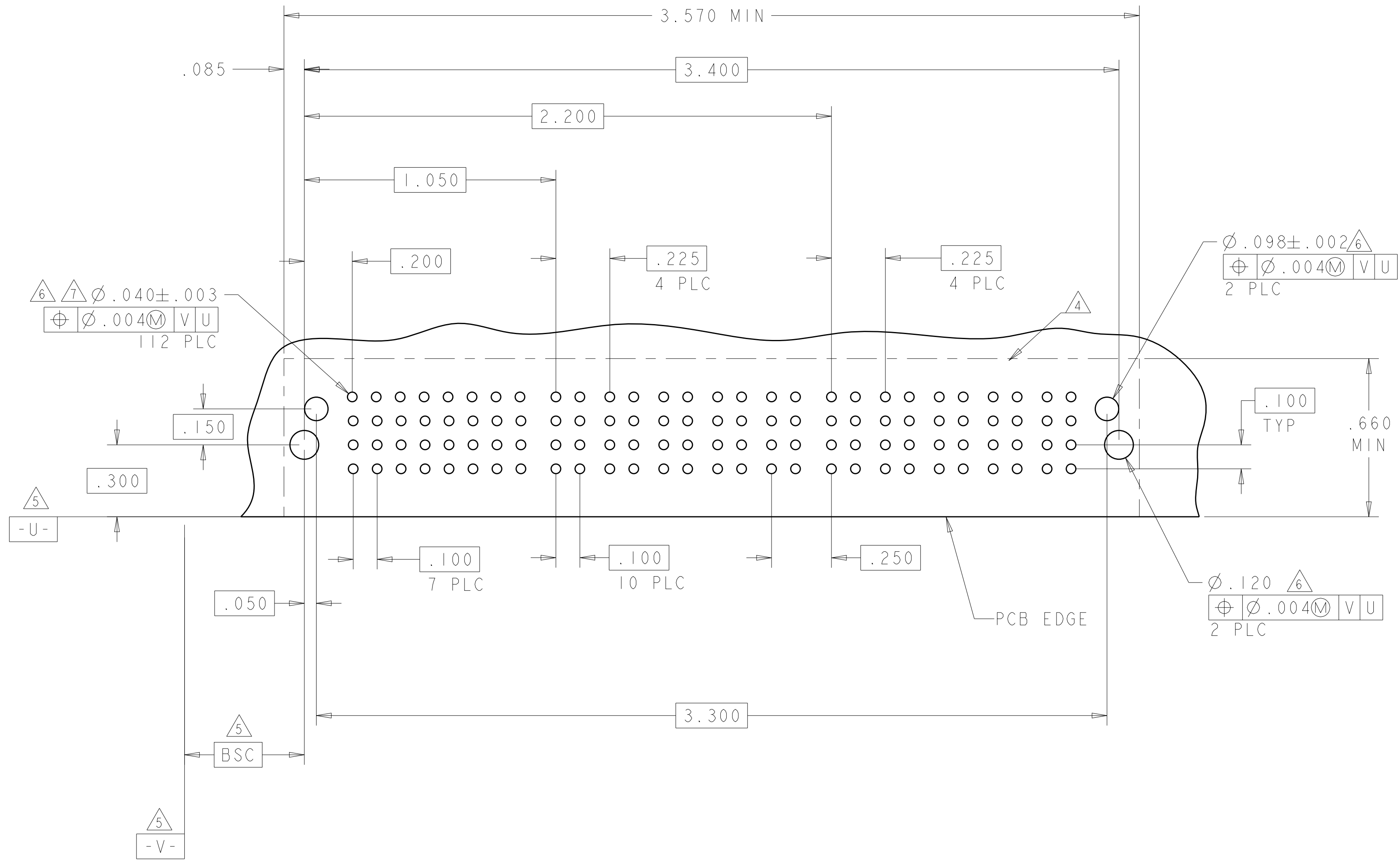
PCB EDGE

5 -U-

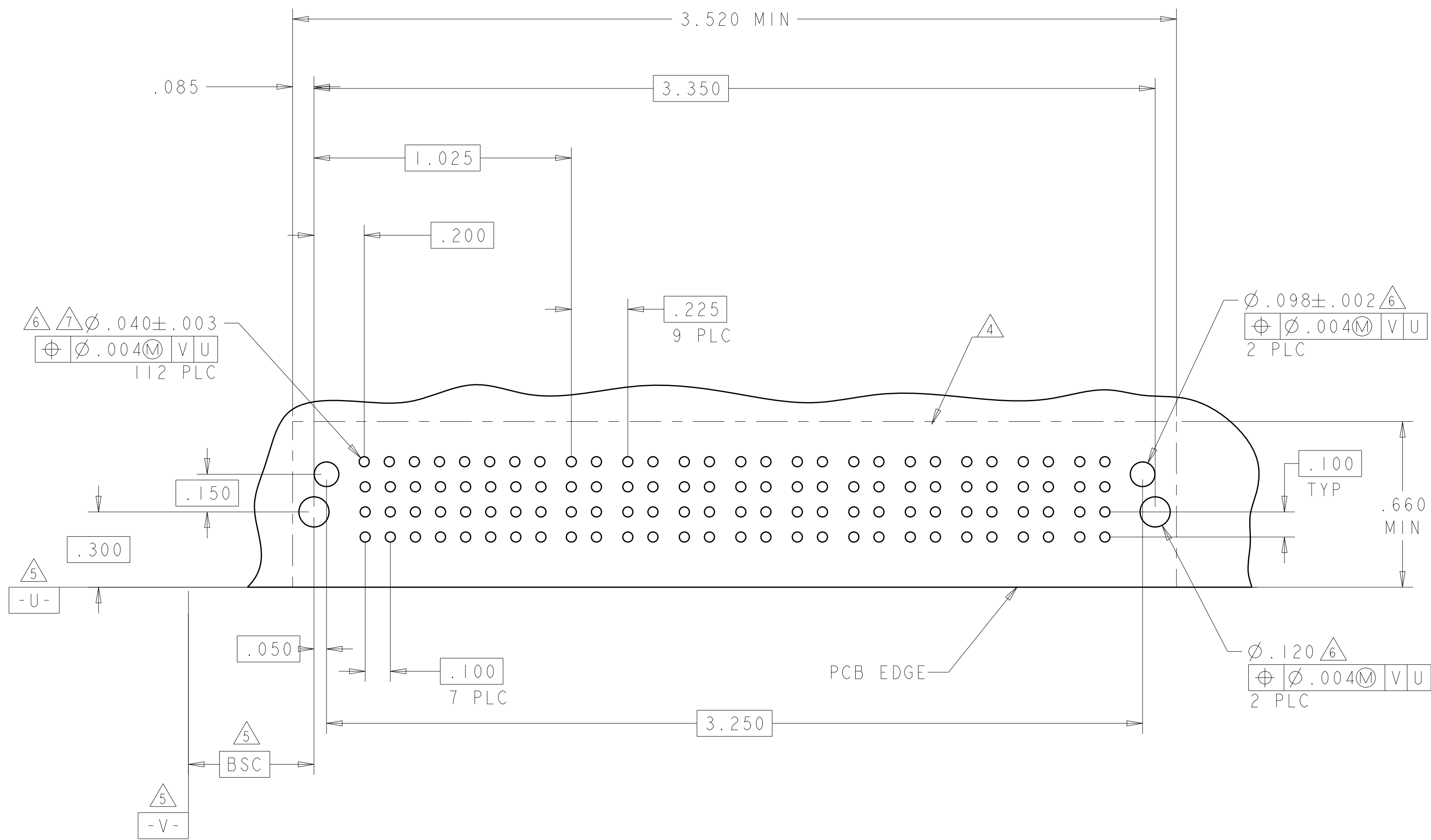
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4805 (3/11)

PART NUMBER	ROWS		SIGNAL								POWER											
			1	2	3	4	5	6	7	8	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10		
1-6450831-2	D		J	J	J	J	J	J	J	J	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM		
	C		K	K	K	K	K	K	K	K												
	B		N	N	N	N	N	N	N	N												N
	A		H	H	H	H	H	H	H	H												H
32S + 10P																						

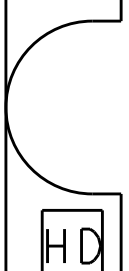
4805 (3/11)

PART NUMBER	ROWS		SIGNAL								POWER											
			1	2	3	4	5	6	7	8	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10		
I-6450831-3	D		J	J	J	J	J	J	J	J	TM	TM	TM	TM	TM	TM	TM	TM	TM			
	C		K	K	K	K	K	K	K	K												
	B		N	N	N	N	N	N	N	N											N	
	A		H	H	H	H	H	H	H	H											H	
32S + 10P																						

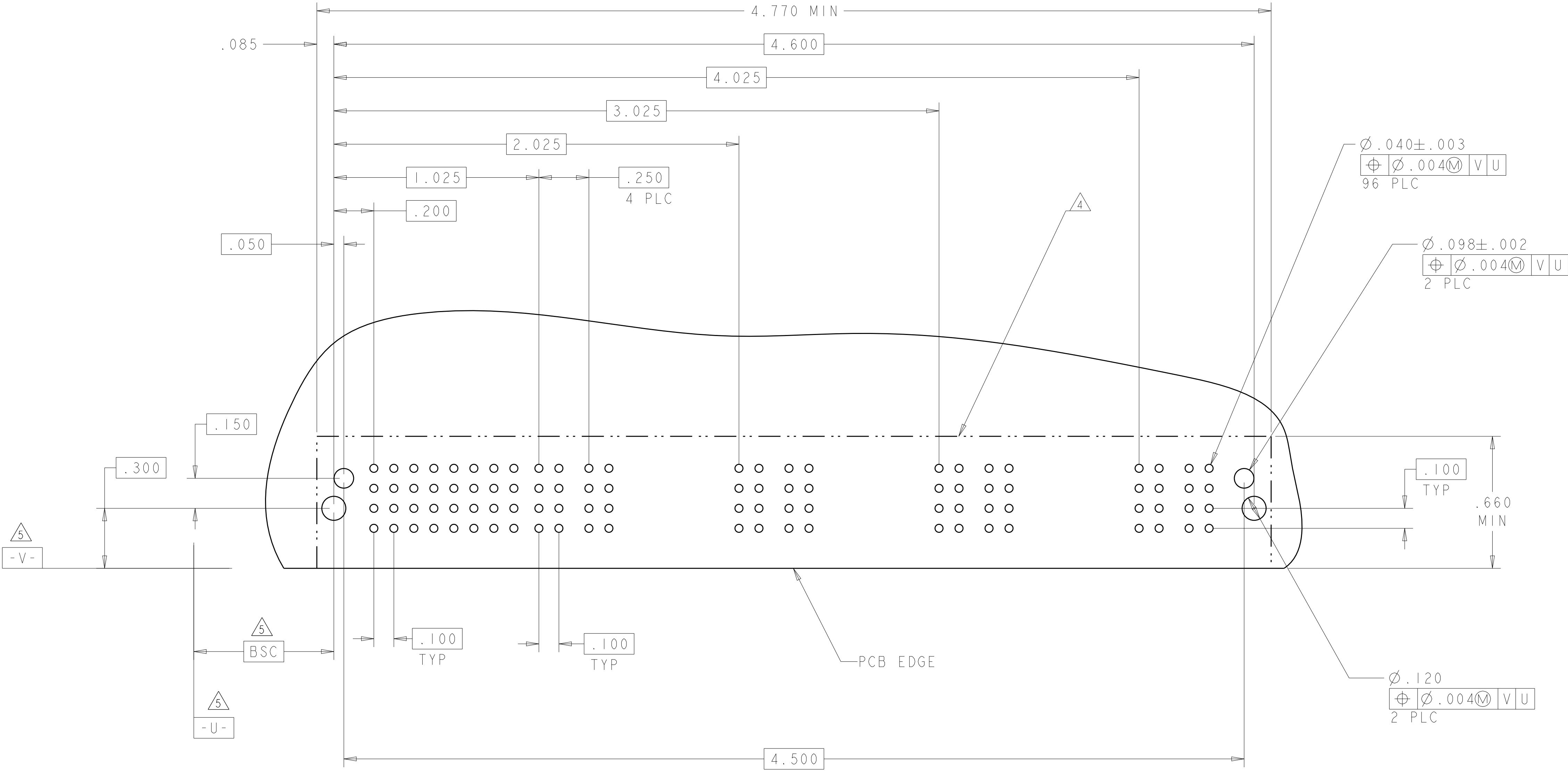


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN C. ZHOU 150C12007		 TE Connectivity	
		CHK S. ZHAO 150C12007			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	

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

ASSY PART NUMBER	ROWS		SIGNAL								POWER															
			1	2	3	4	5	6	7	8	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14		
1-6450831-4	D C B A		J	J	J																					
			K	F	F																					
			N	N	N																					
			S	S	S																					
32S + 14P																										

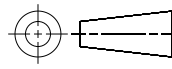
H3



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

INCHES



MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±"

1 PLC ±.01

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±2°

FINISH -

DWN C.ZHOU 15OCT2007

CHK S.ZHAO 15OCT2007

APVD S.YAO -

PRODUCT SPEC 108-2292

APPLICATION SPEC 108-13038

WEIGHT -

Customer Drawing

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE A100779

CAGE CODE C=6450831

DRAWING NO

RESTRICTED TO -

SCALE 4:1

SHEET 8

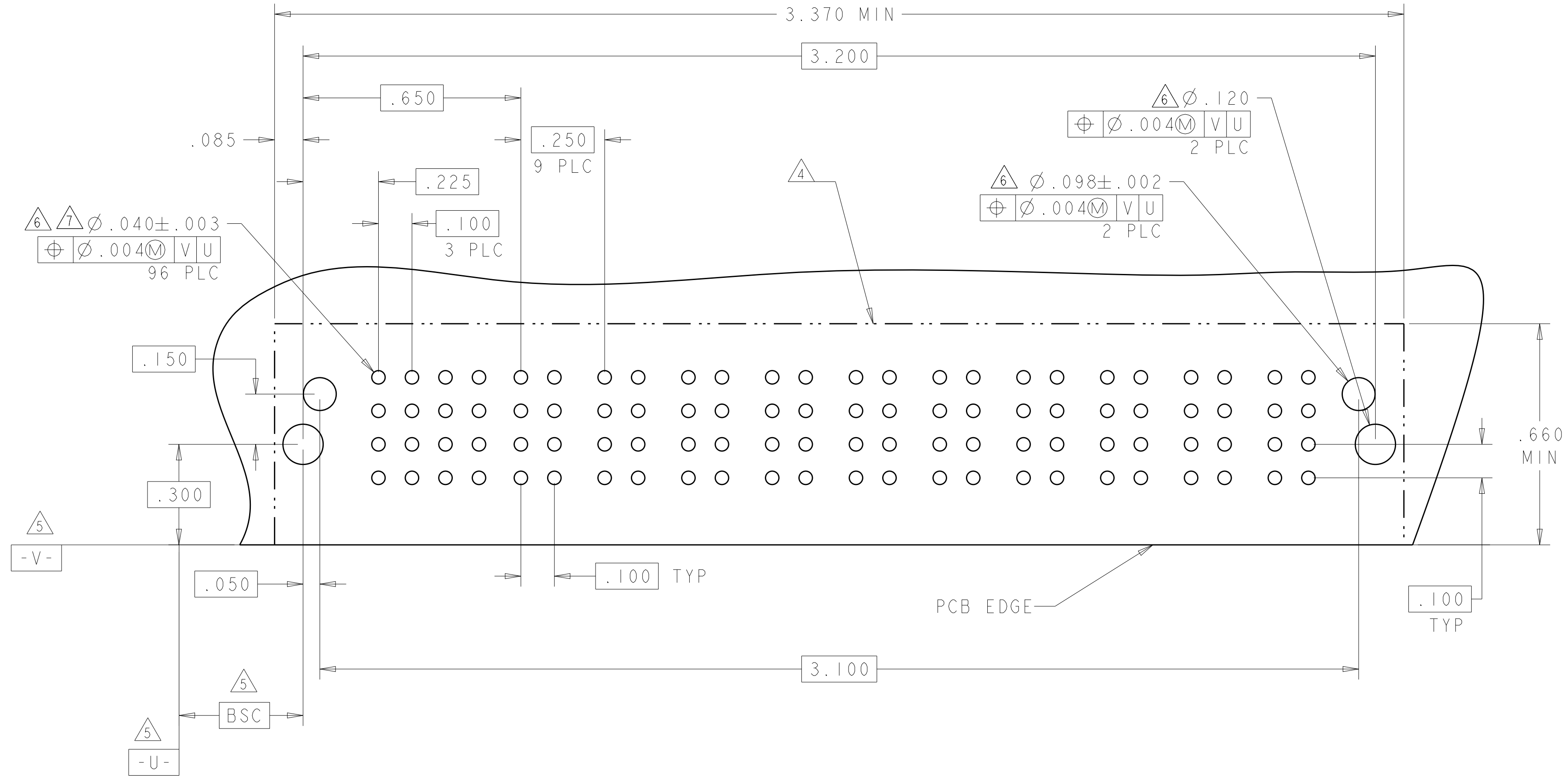
OF 17

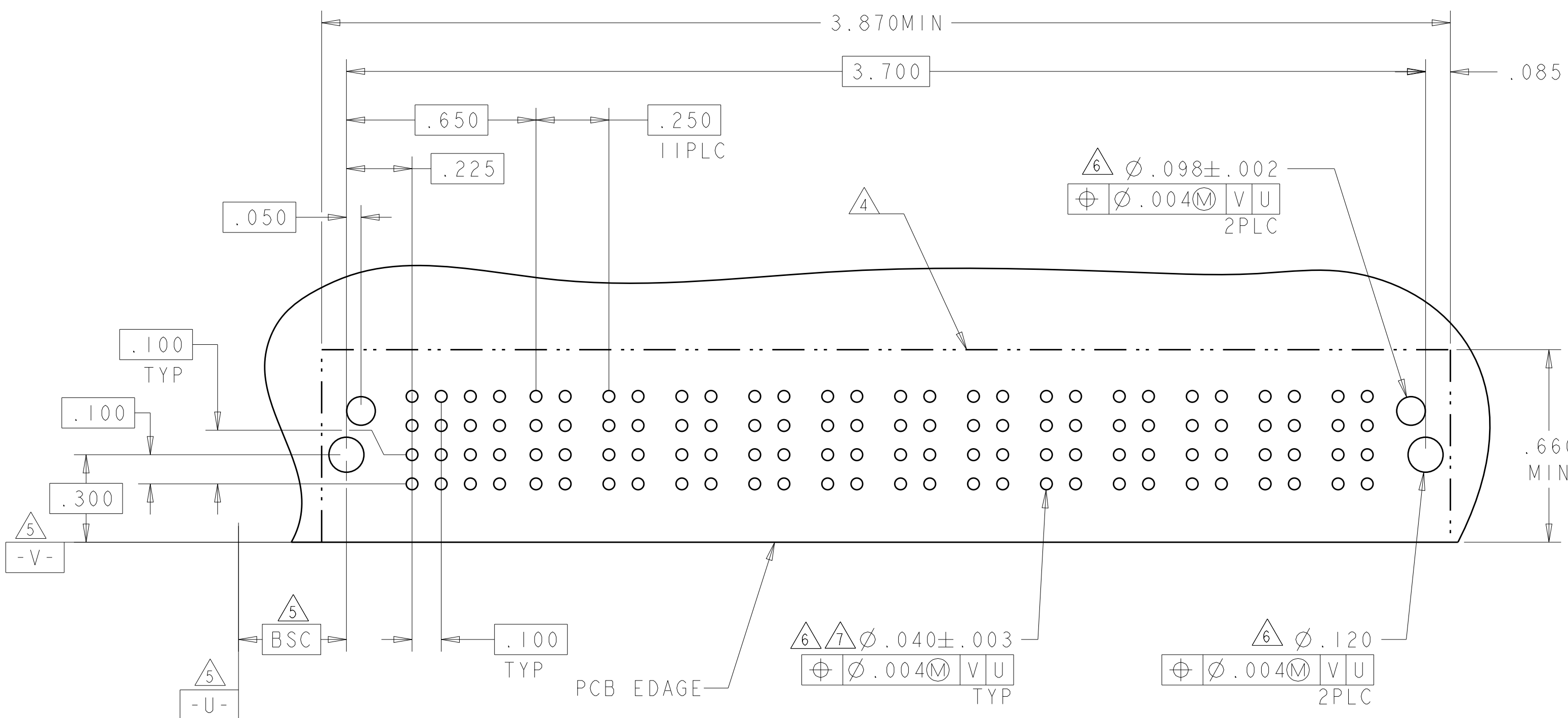
REV L7

TE Connectivity

PART NUMBER	ROWS		SIGNAL				POWER										
			I	2	3	4	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	
I-6450831-6	D		E	E	J	J	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	
	C		K	K	K	K											
	B		N	N	N	N											
	A	HD	S	S	S	S											
16S + 10P																	

H7

4805 (3/11)

[illegible]

RECOMMENDED PCB LAYOUT

4805 (3/11)

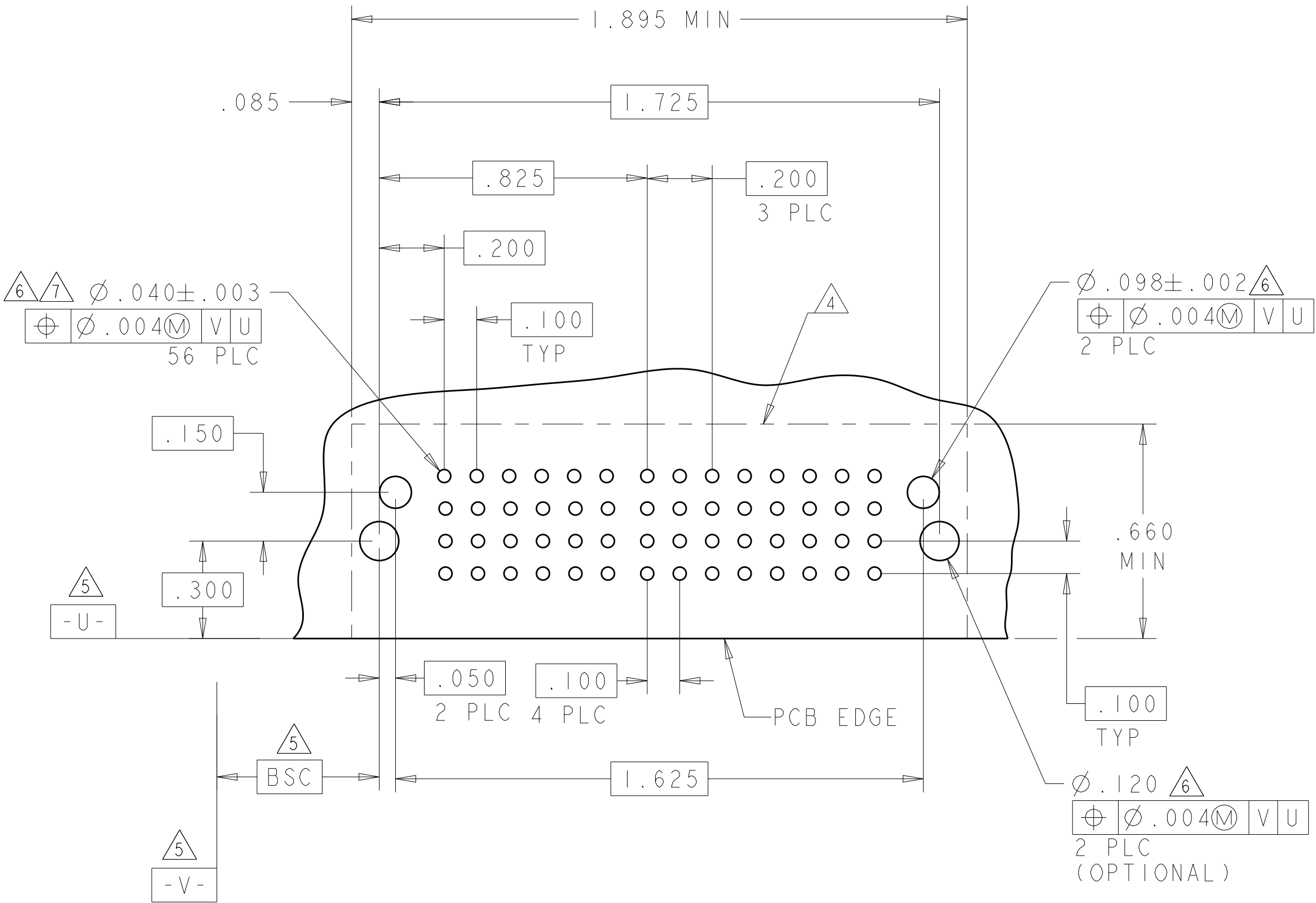
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
ES	00	-	-	SEE SHEET 1	-	-

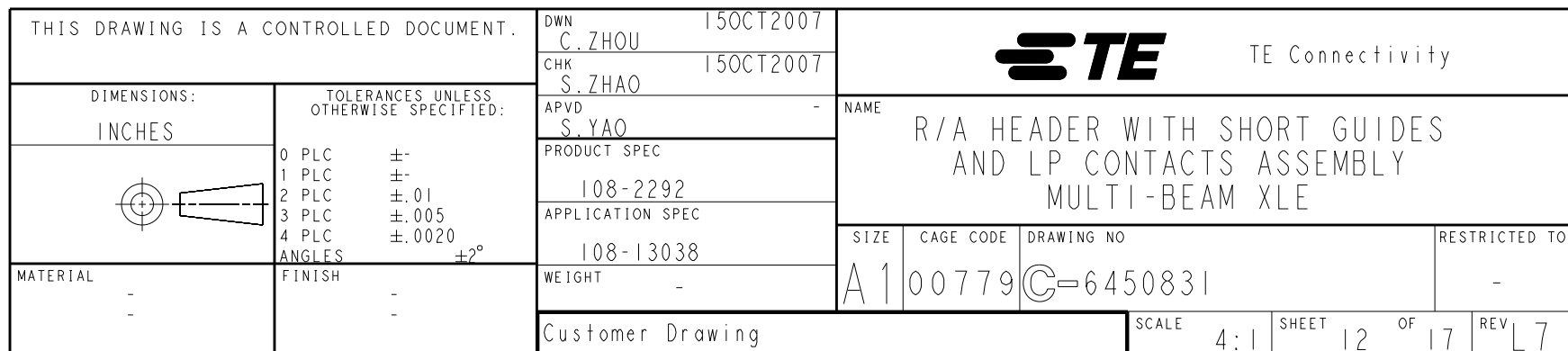
PART NUMBER	ROWS		SIGNAL						POWER				
			1	2	3	4	5	6	P1	P2	P3	P4	
1-6450831-9	D		J	J	J	J	J	J	TM	TM	TM	TM	
	C		K	K	K	K	K	K					
	B		N	N	N	N	N	N					
	A	HD	S	S	S	S	S	S					HD
24S + 4P													

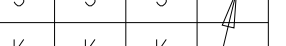
PART NUMBER	ROWS		SIGNAL						
			1	2	3	4	5	6	
2-6450831-0	D		J	J	J	J	J	J	
	C		K	K	K	K	K	K	
	B		N	N	N	N	N	N	
	A	HD	S	S	S	S	S	S	
24S									

PART NUMBER	ROWS		SIGNAL						
			1	2	3	4	5	6	
2-6450831-1	D		J	J	J	E	E	E	
	C		K	K	K	K	F	F	
	B		N	N	N	N	G	G	
	A	HD	S	S	S	S	H	H	
24S									

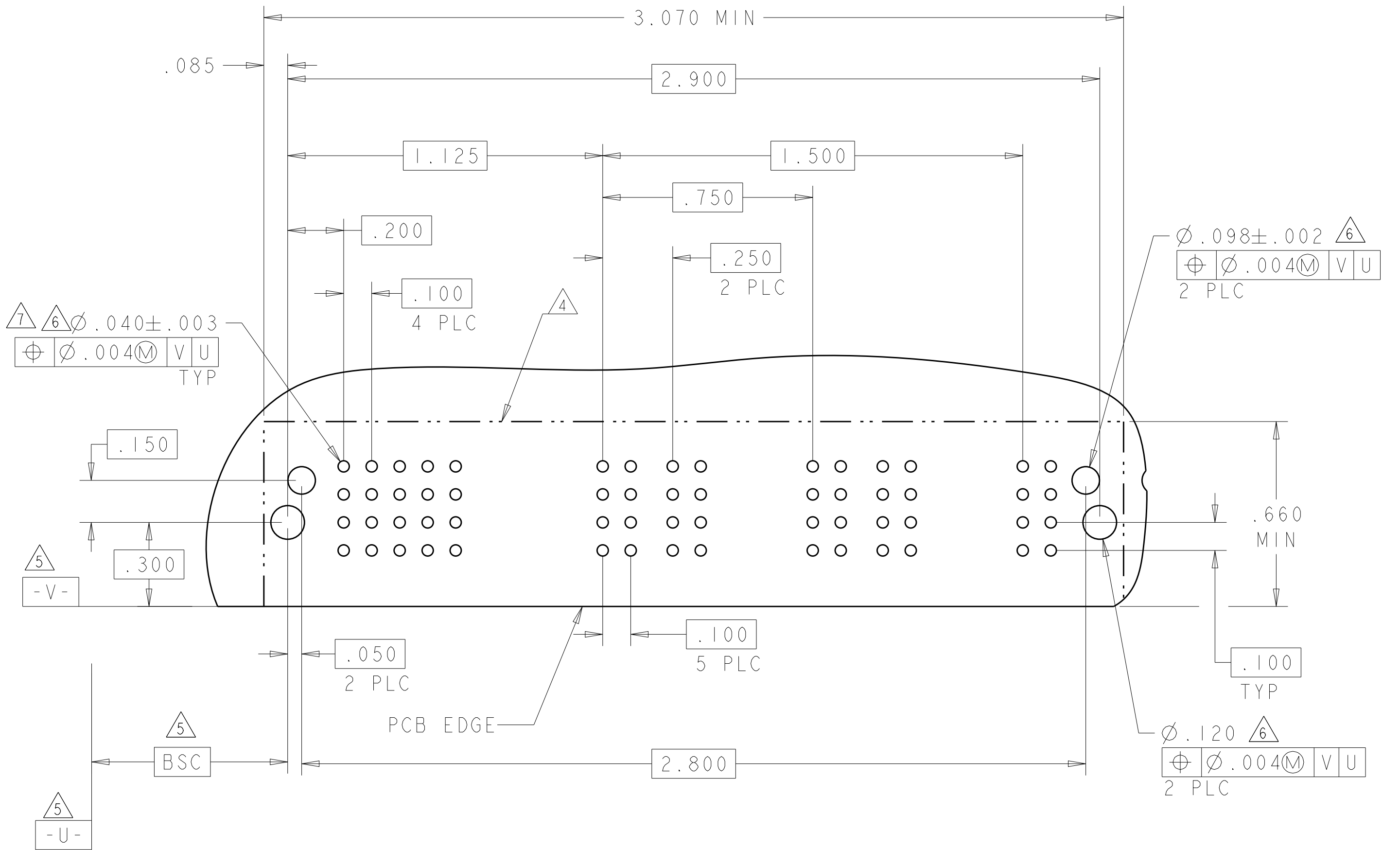
J4





PART NUMBER	ROWS		SIGNAL						POWER								
			1	2	3	4	5	6	P1	P2	P3	P4	P5	P6	P7	P8	
2-6450831-4	D		J	J	J	J	J										
	C		K	K	K	K	K										
	B		N	N	N	N	N		TM	TM			TM	TM		TM	
	A	HD	S	S	S	S	S									HD	
24S + 8P																	

NO CONTACTS LOADED

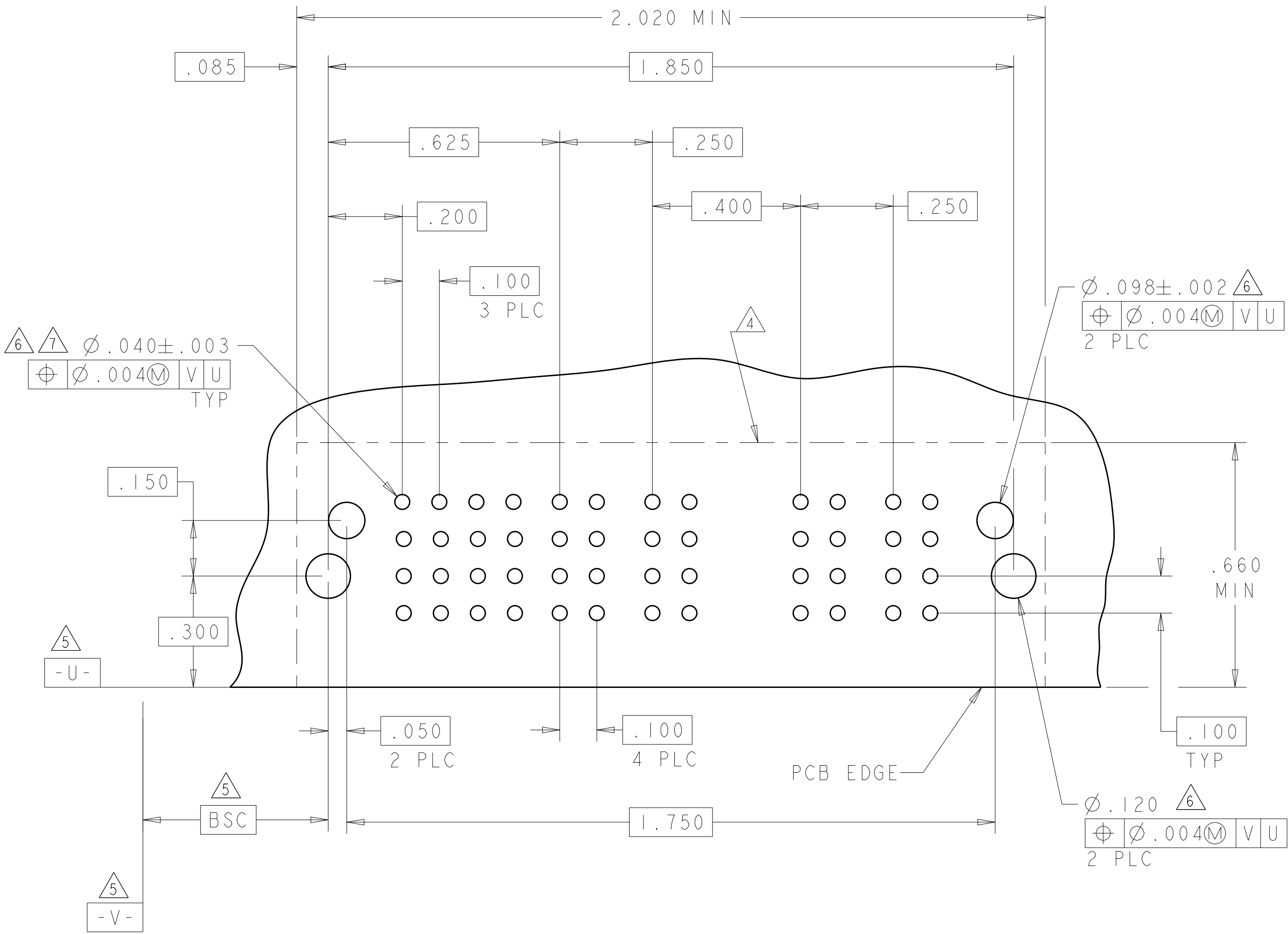
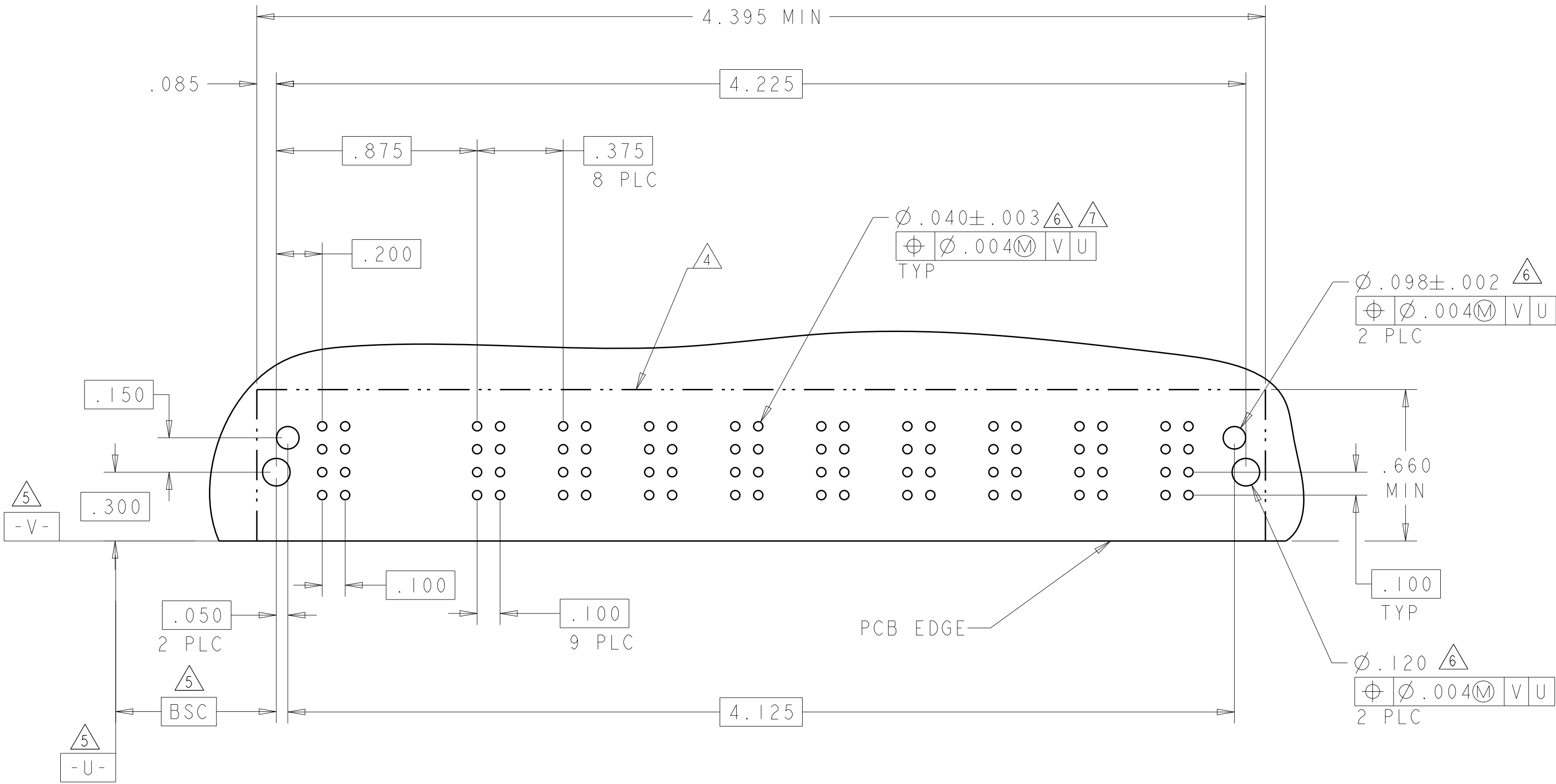
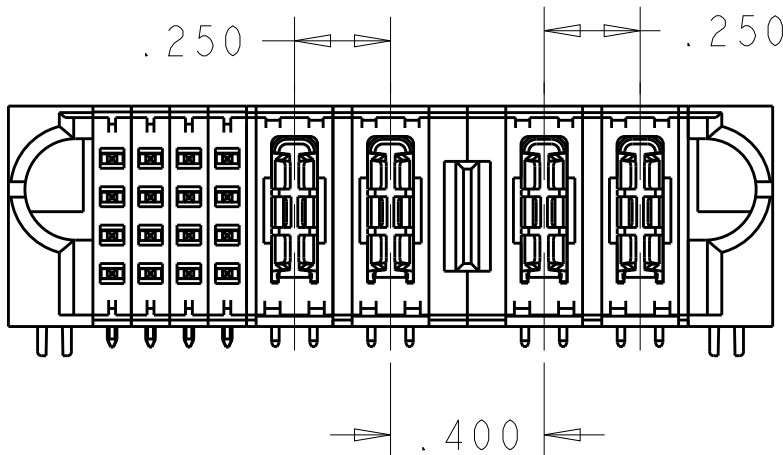
4805 (3/11)

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

PART NUMBER	ROWS		SIGNAL						POWER									
			I	2	3	4	5	6	P1	P2	P3	P4	P5	P6	P7	P8	P9	
2-6450831-5	D		J	J														
	C		K	K					TM	TM	TM	TM	TM	TM	TM	TM	TM	
	B		N	N														
24S + 9P	A	HD	S	S														HD

NO CONTACTS LOADED

PART NUMBER	ROWS		SIGNAL				POWER					
			I	2	3	4	P1	P2		P3		P4
2-6450831-6	D		J	E	J	J	TM	TM		TM	TM	
	C		K	K	K	K						
	B		N	N	N	N						
	A		HD	S	S	S						
16S + 4P												



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
C. ZHOU
CHK
S. ZHAO
APVD
S. YAO

15OCT2007
15OCT2007
-

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC
108-2292
APPLICATION SPEC
108-13038
WEIGHT
-

MATERIAL
-

Customer Drawing

NAME
R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=6450831

RESTRICTED TO
-

SCALE
4:1

SHEET
14

OF
17

REV
L7

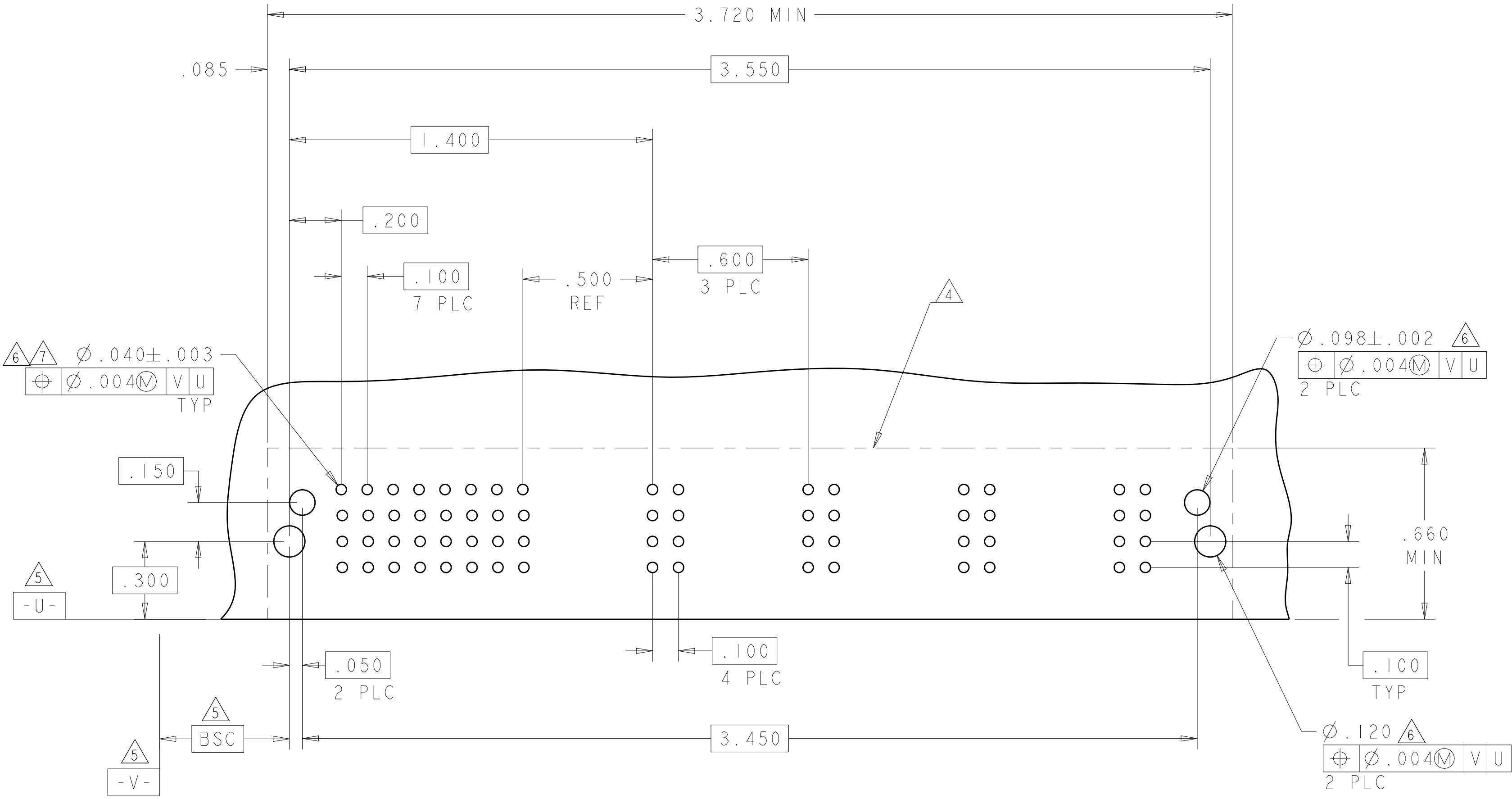
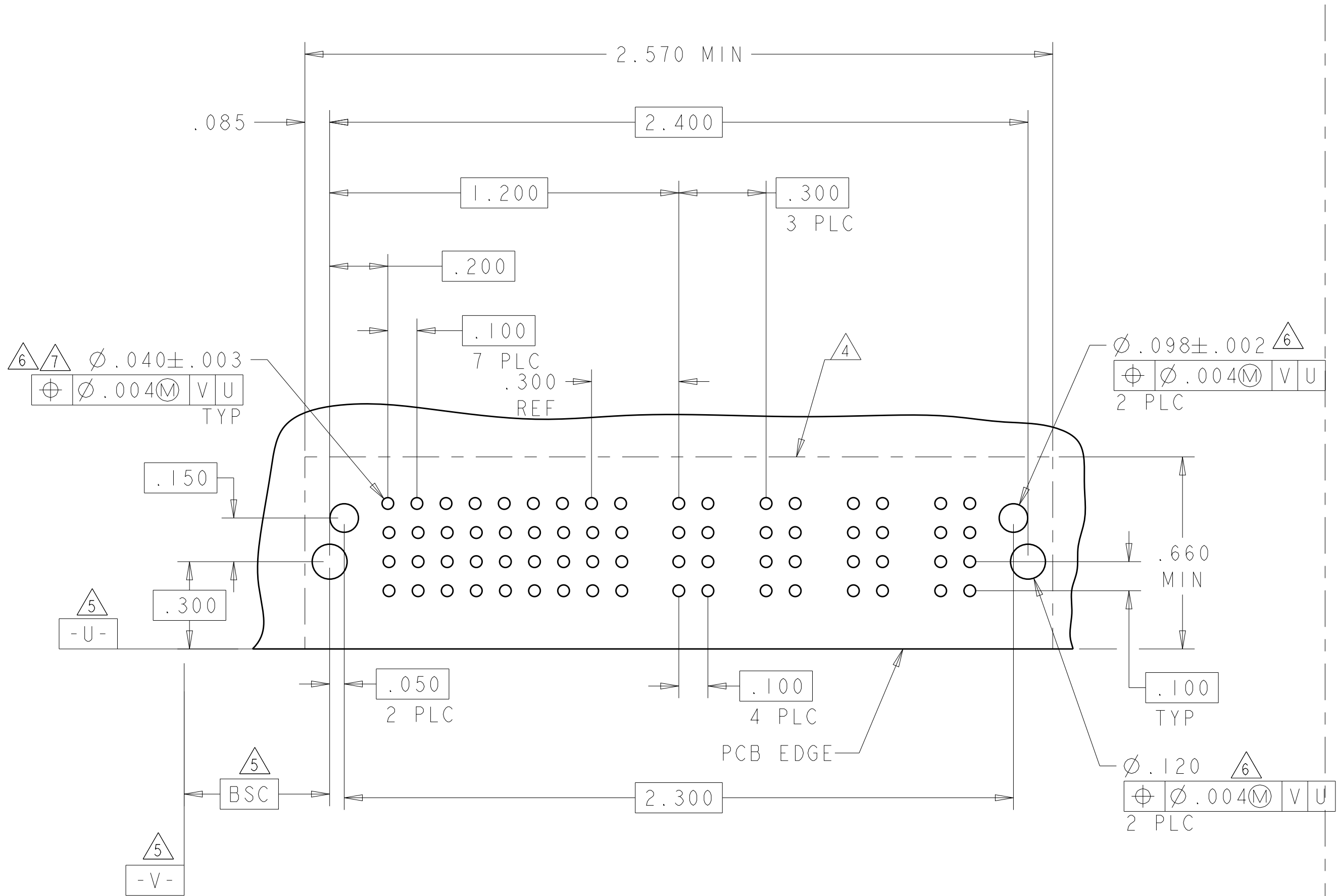
TE Connectivity

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

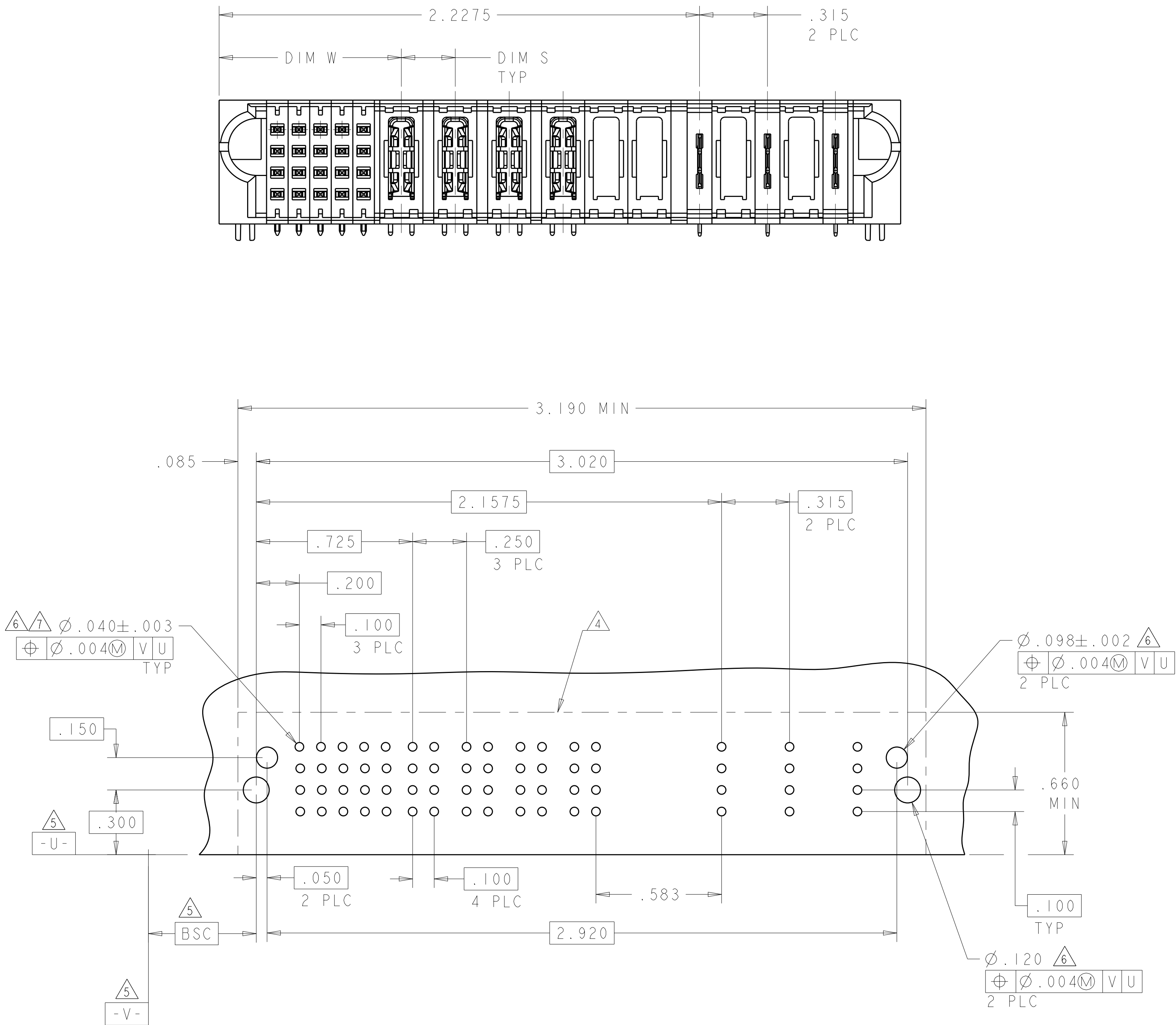
PART NUMBER	ROWS		SIGNAL								POWER				
			1	2	3	4	5	6	7	8	P1	P2	P3	P4	
2-6450831-7	D		J	J	J	J	J	J	J	J	TM	TM	TM	TM	
	C		K	K	K	K	K	K	K	K					
	B		N	N	N	N	N	N	N	N					
32S + 4ACP	A	HD	S	S	S	S	S	S	S	S					HD

PART NUMBER	ROWS		SIGNAL								POWER								
			1	2	3	4	5	6	7	8	P1	P2	P3	P4	P5	P6	P7	P8	
2-6450831-8	D		E	J	J	J	J	J	J	J	TM	TM	TM	TM	TM	TM	TM	TM	
	C		K	K	K	K	K	K	K	K									
	B		N	N	N	N	N	N	N	N									
	A	HD	S	S	S	S	S	S	S	FS									HD
32S +8ACP																			

NO CONTACTS LOADED



PART NUMBER	ROWS		SIGNAL					POWER				LOW POWER			
			I	2	3	4	5	P1	P2	P3	P4	LP1	LP2	LP3	
3-6450831-0	D		J	J	J	J	J	TM	TM	TM	TM	LM	LM	LM	
	C		K	K	K	K	K								
	B		N	N	N	N	N								
	A		H	H	H	S	S								
20S + 4P + 3LP															

4805 (3/11)

[illegible]4805 (3/11)