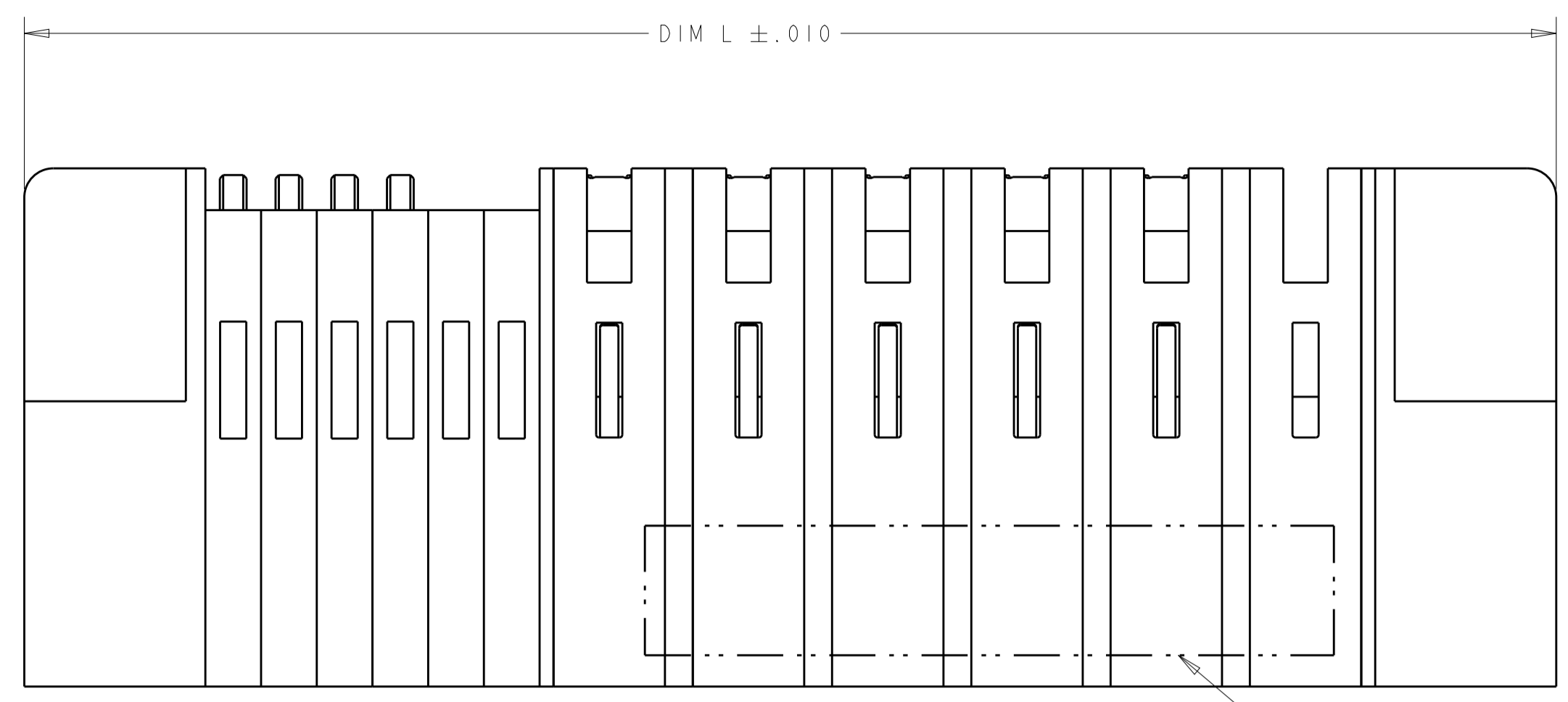
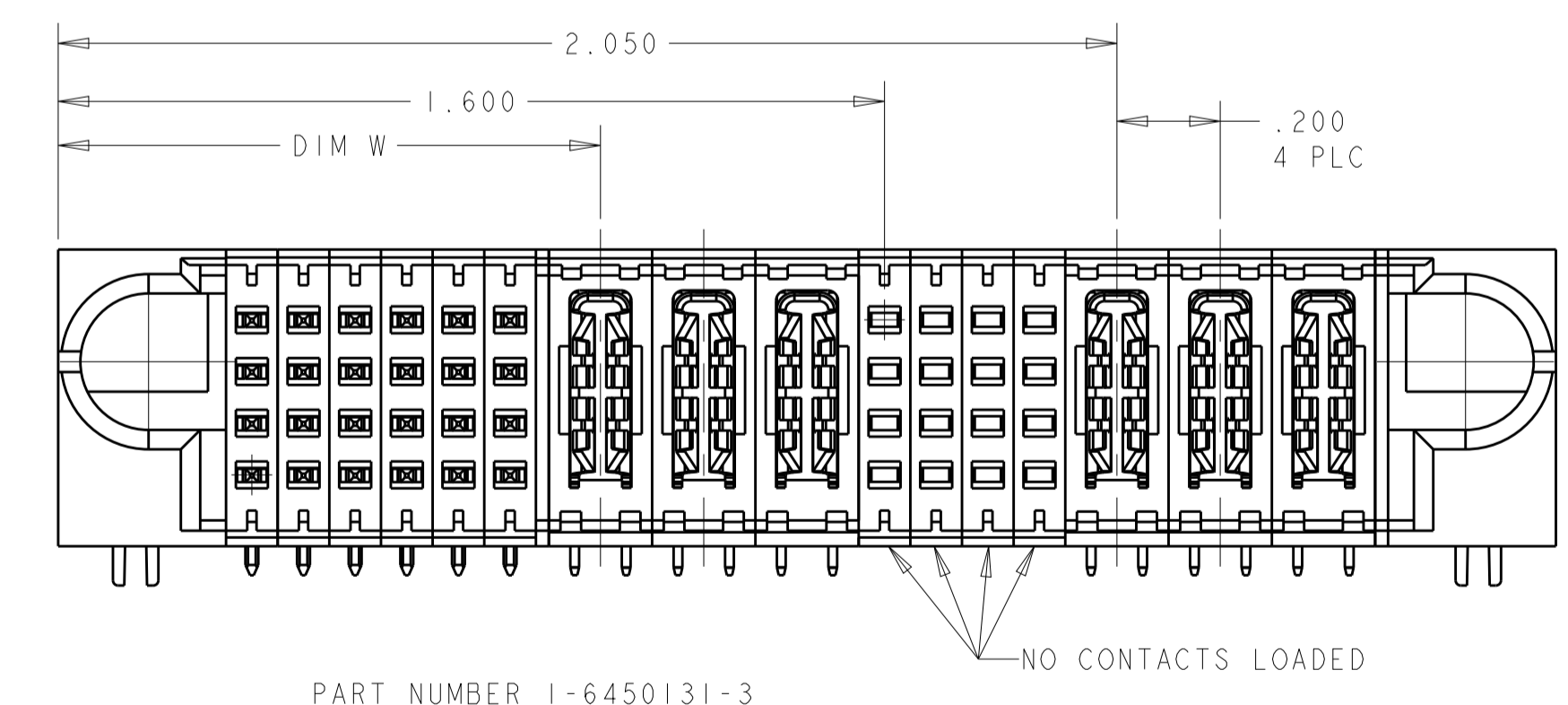
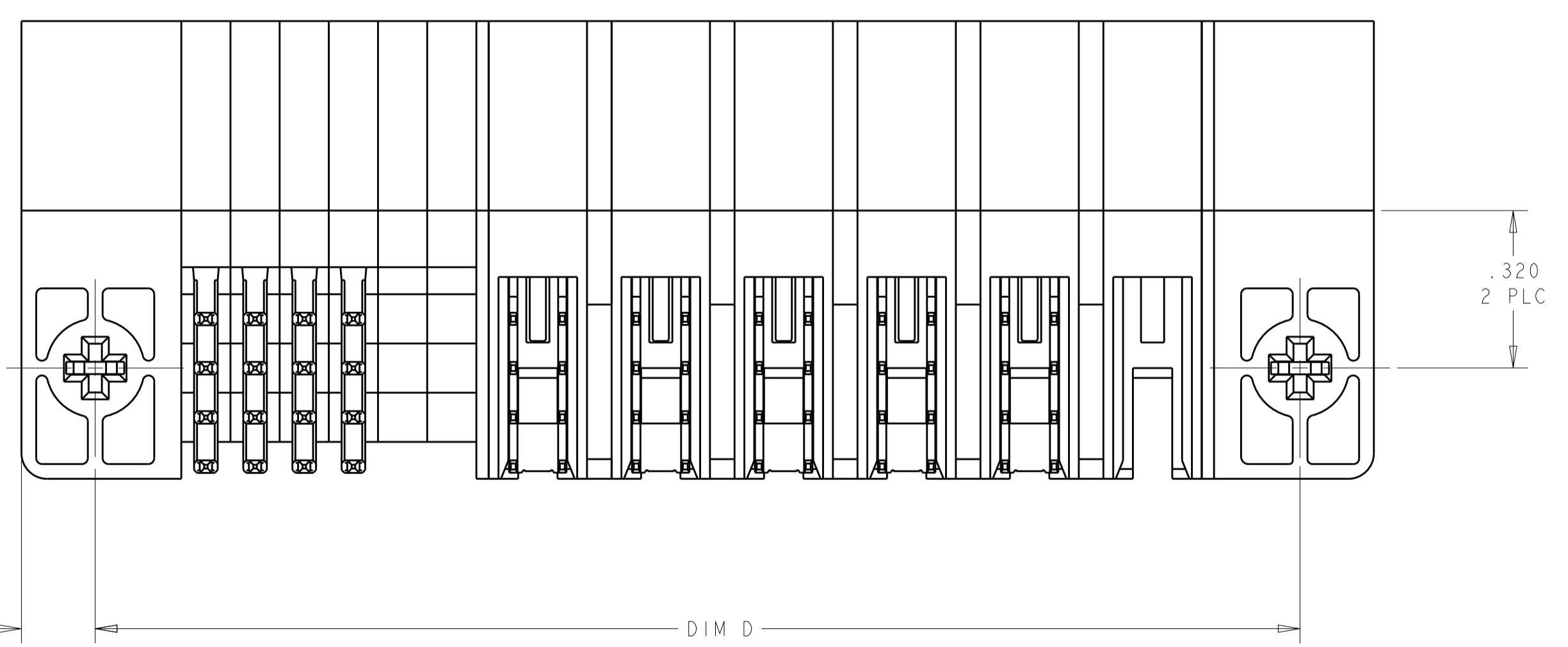
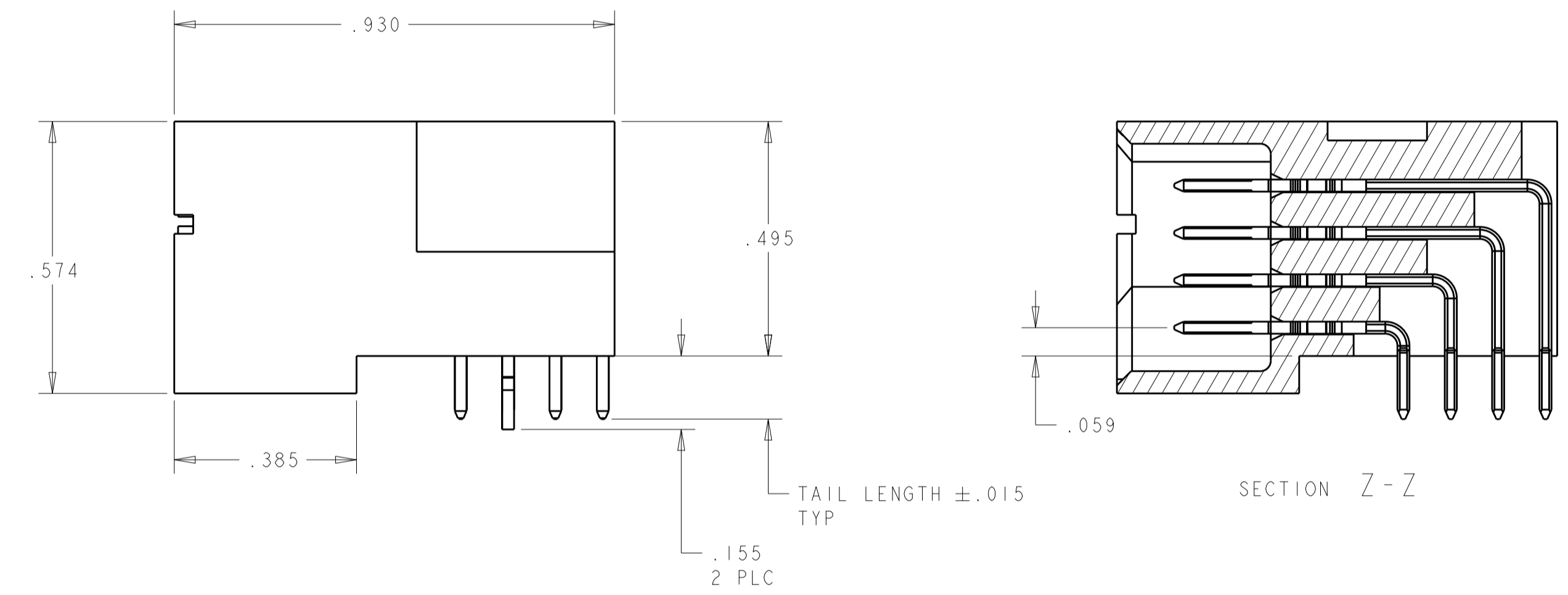
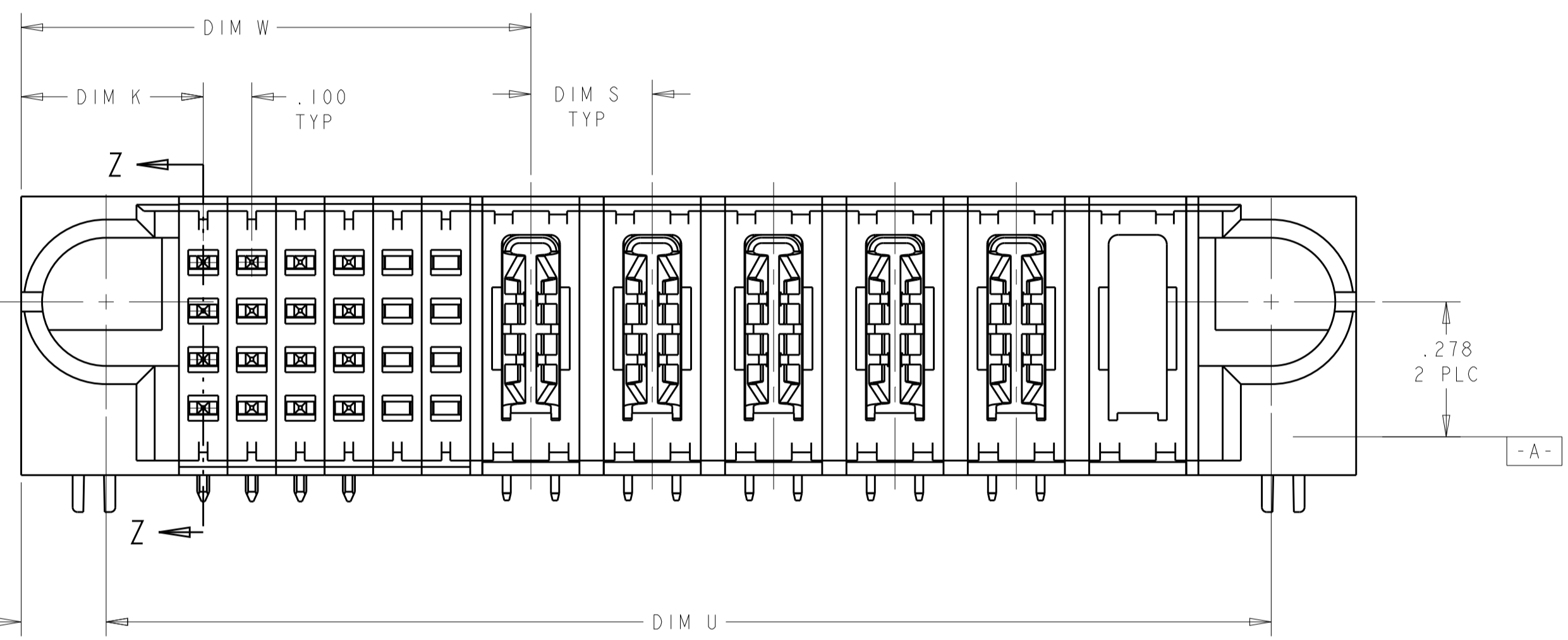


LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DWN	APVD		
E8		REV PER ECR-12-021802	04JAN2013	ML	SZ		
E9		ADD NEW DASH NUMBER 2-3	21MAY2013	CZ	SZ		



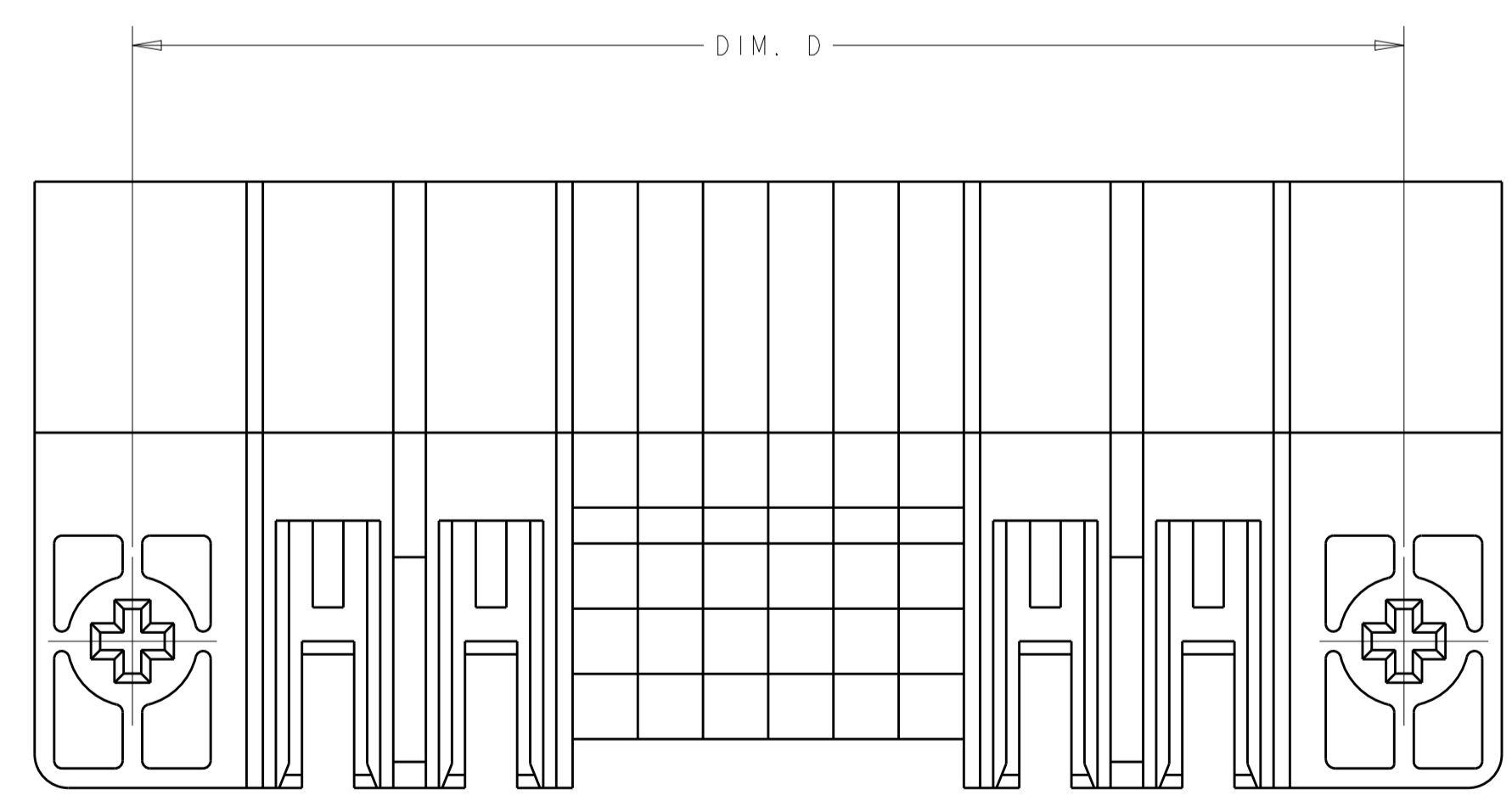
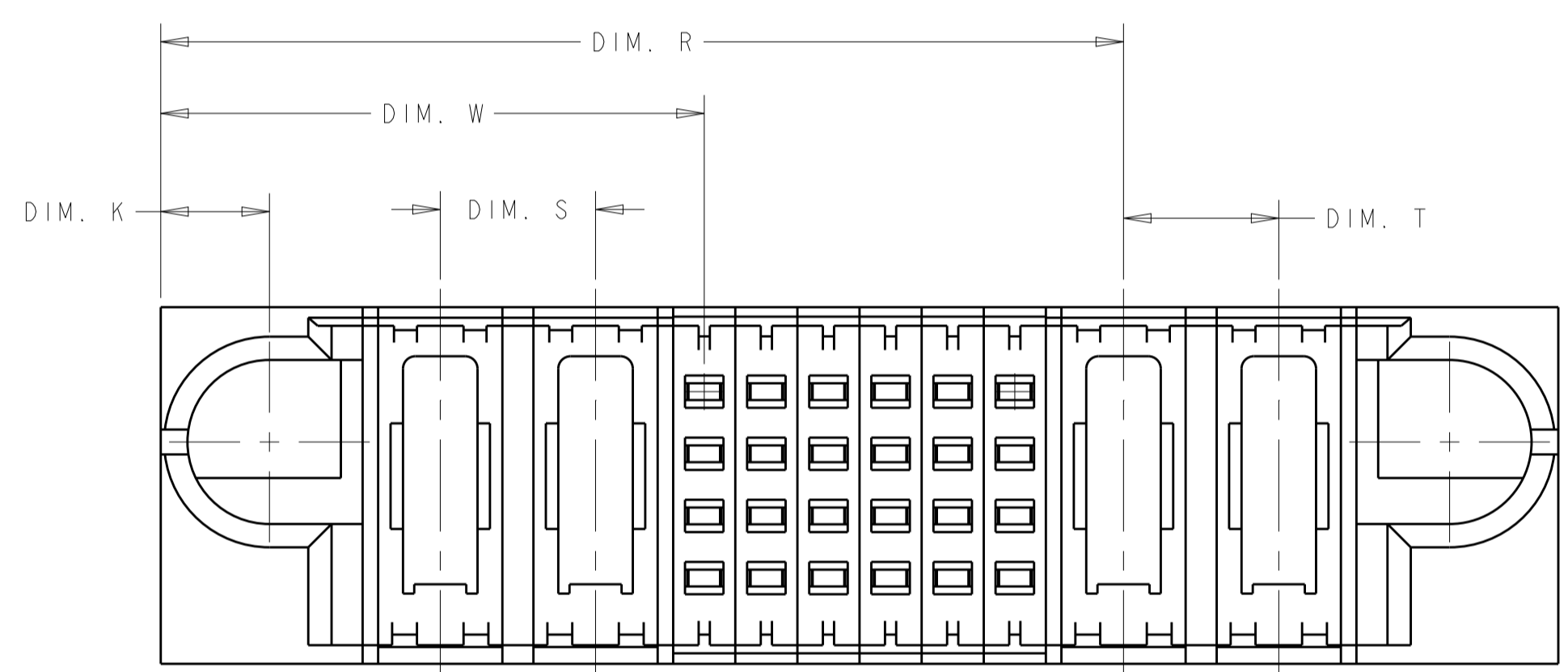
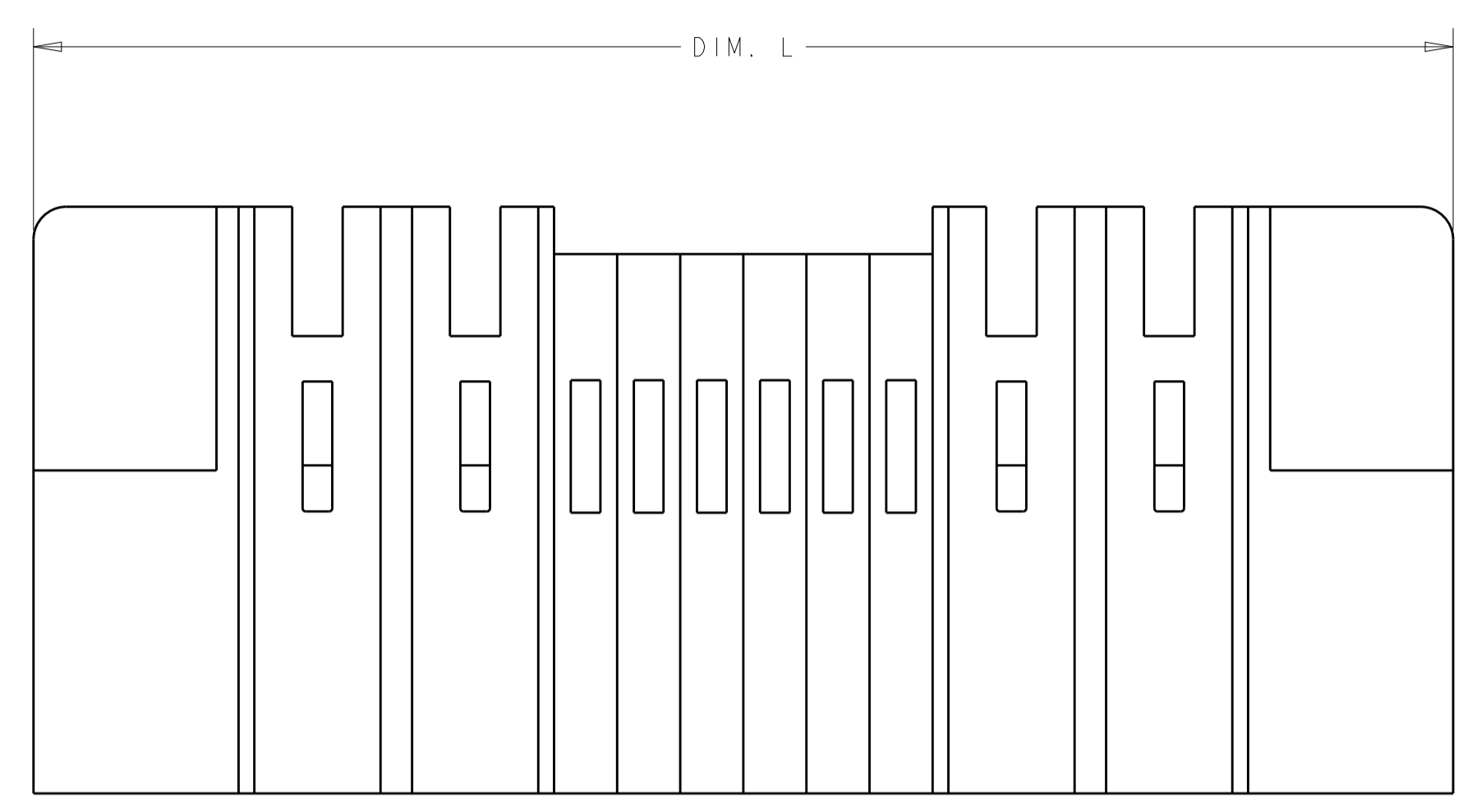
- △ "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- △ MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
 SIGNAL CONTACT - COPPER ALLOY
 POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- △ CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER CONTACTS 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



PART NUMBER 1-6450131-3

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE	15FEB05 15FEB05	TE Connectivity
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.005 3 PLC ±.002 4 PLC ±.002 ANGLES ±.2° FINISH		
MATERIAL: △ 2		MATERIAL: △ 3		NAME RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL SIZE A100779C=6450131 SCALE 1:1
4805 (3/11)		SHEET 1 of 9		REV E9

LOC	DIST	REVISIONS					
		P.	LTN	DESCRIPTION	DATE	DMN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-



PART 2-6450131-1
(NO CONTACT VIEW)

DIM R	DIM T	DIM U	DIM S	DIM K	DIM D	DIM W	DIM L	DESCRIPTION	PART NUMBER
-	-	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

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R. GRZYBOWSKI 15FEB05
 CHK: M. PERCHERKE 15FEB05
 APVD: M. PERCHERKE

TE Connectivity

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

108-1973
 APPLICATION SPEC

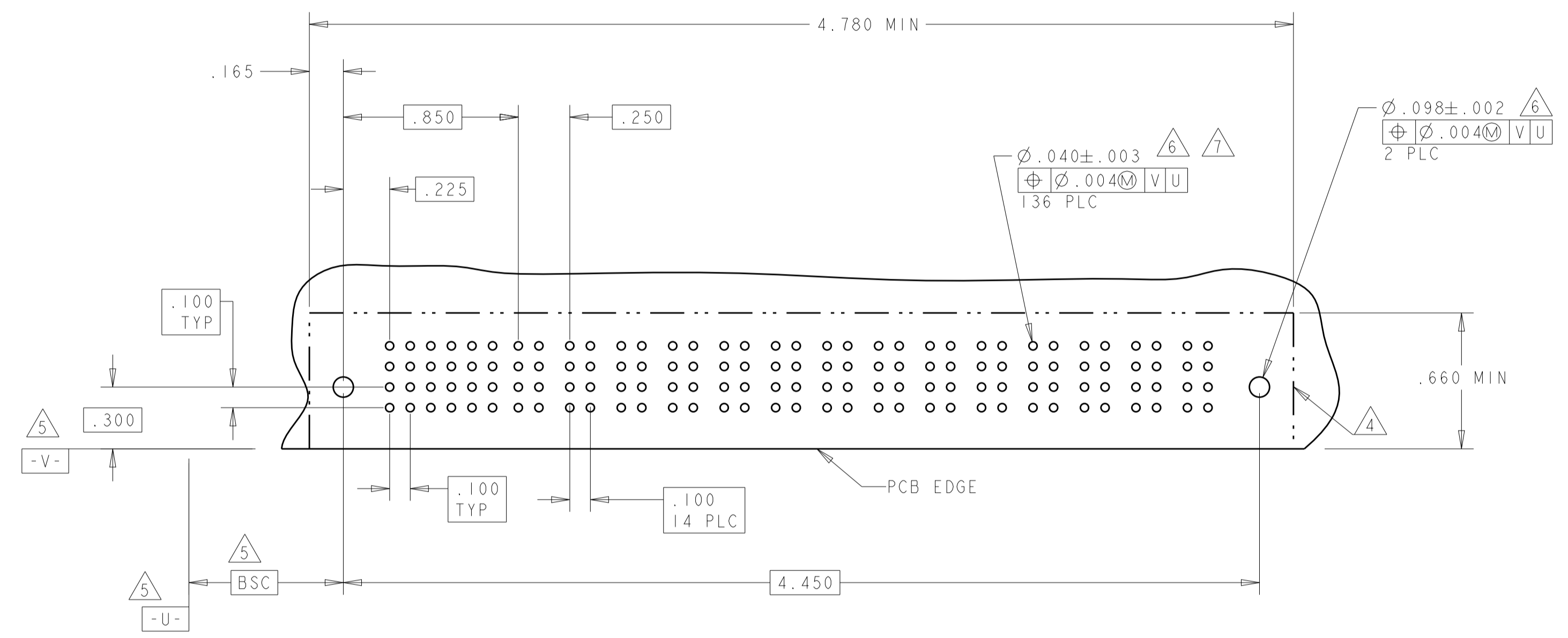
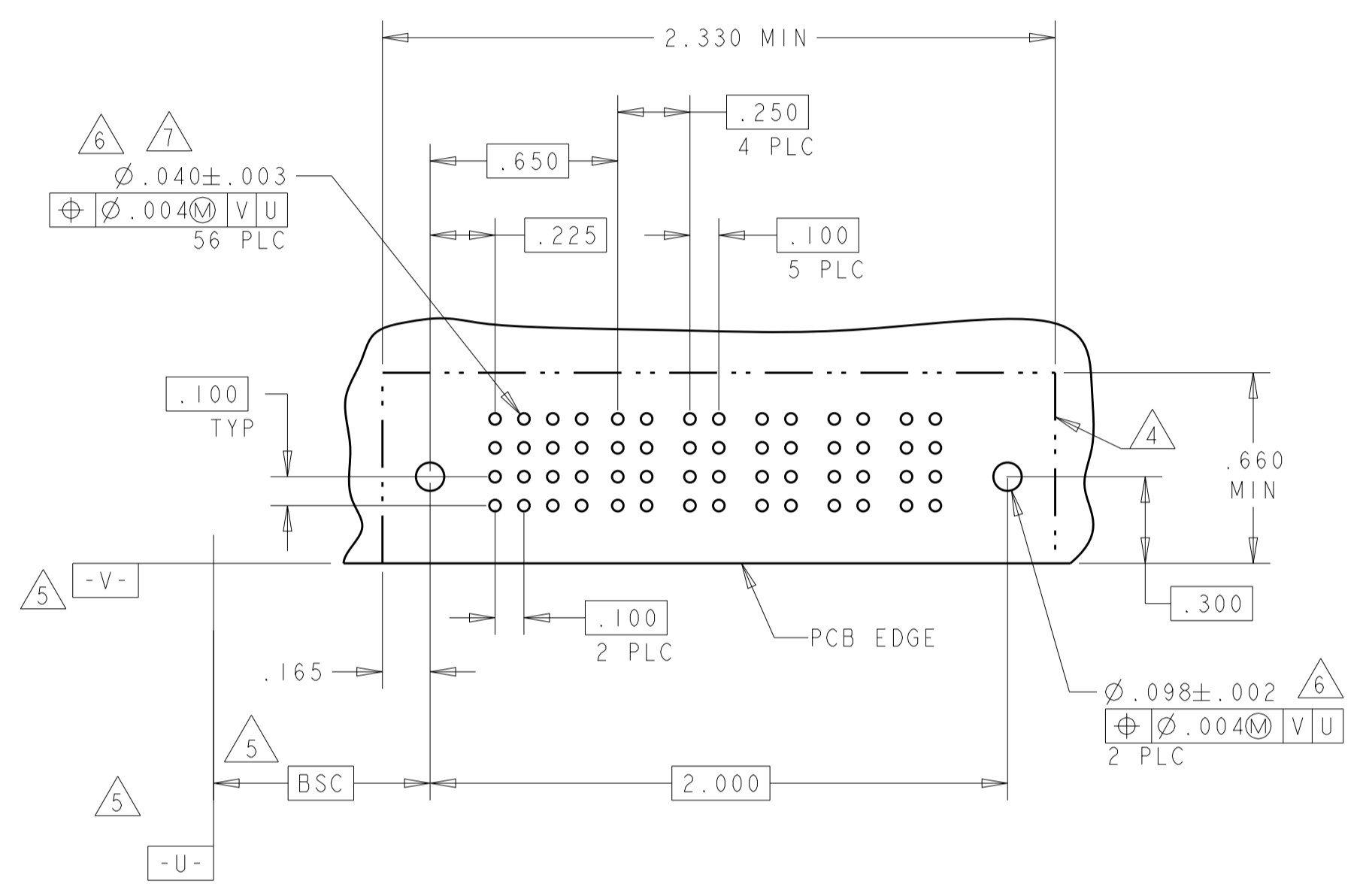
114-13038
 WEIGHT

CUSTOMER DRAWING

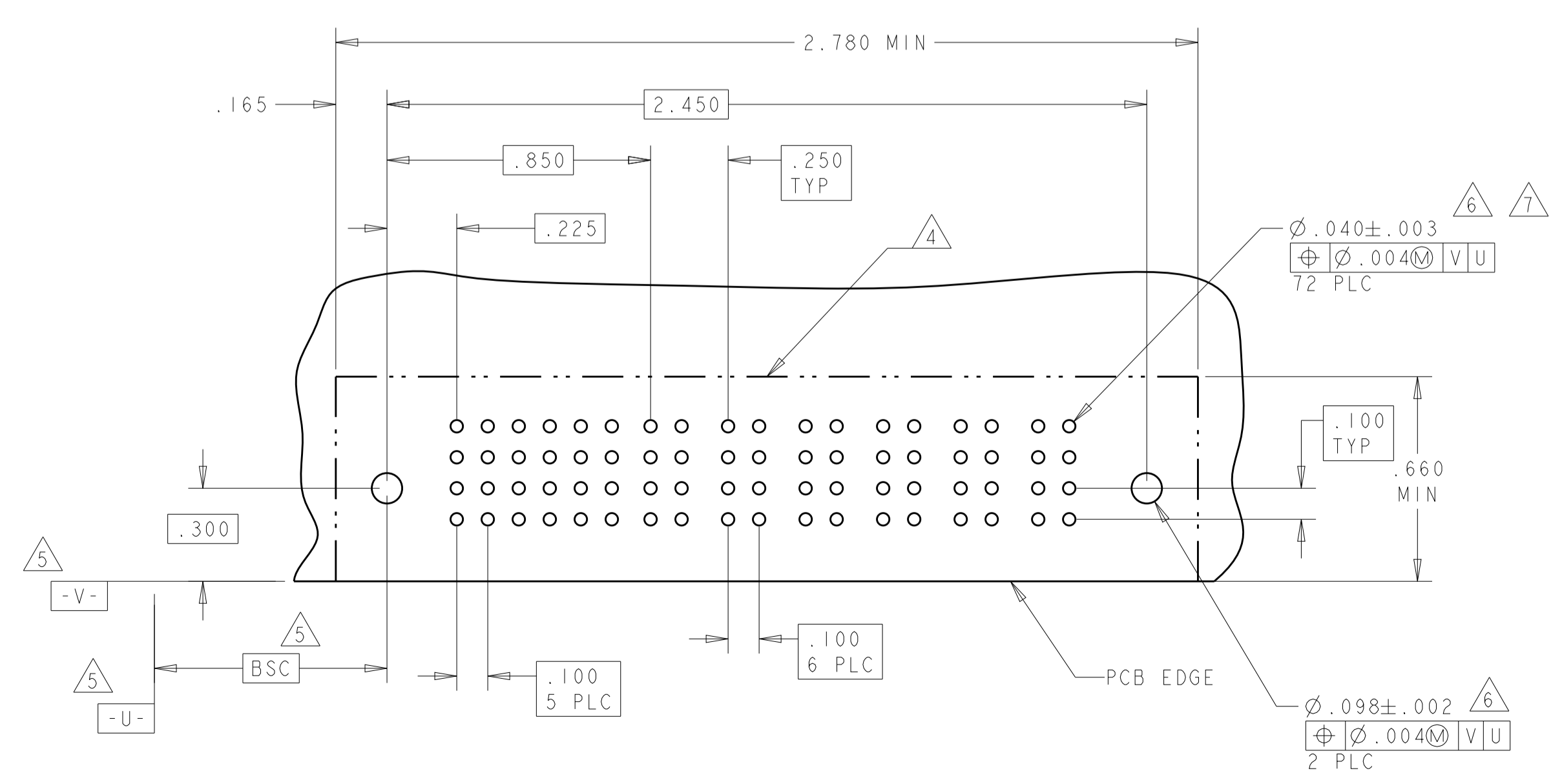
SCALE 1:1 SHEET 2 OF 9 REV E9

PART NUMBER	ROWS	SIGNAL				POWER					
		1	2	3	4	P1	P2	P3	P4	P5	
6450131-3	D	J	J	J	J	PM	PM	PM	PM	PM	
	C	K	K	K	K						
	B	N	N	N	N						
	A	S	S	S	H						
16S + 5P		HD									

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	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
	C	K	K	K	K	K	K															
	B	N	N	N	N	N	N															
	A	S	S	H	H	S	S															
24S + 14P		HD																				



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



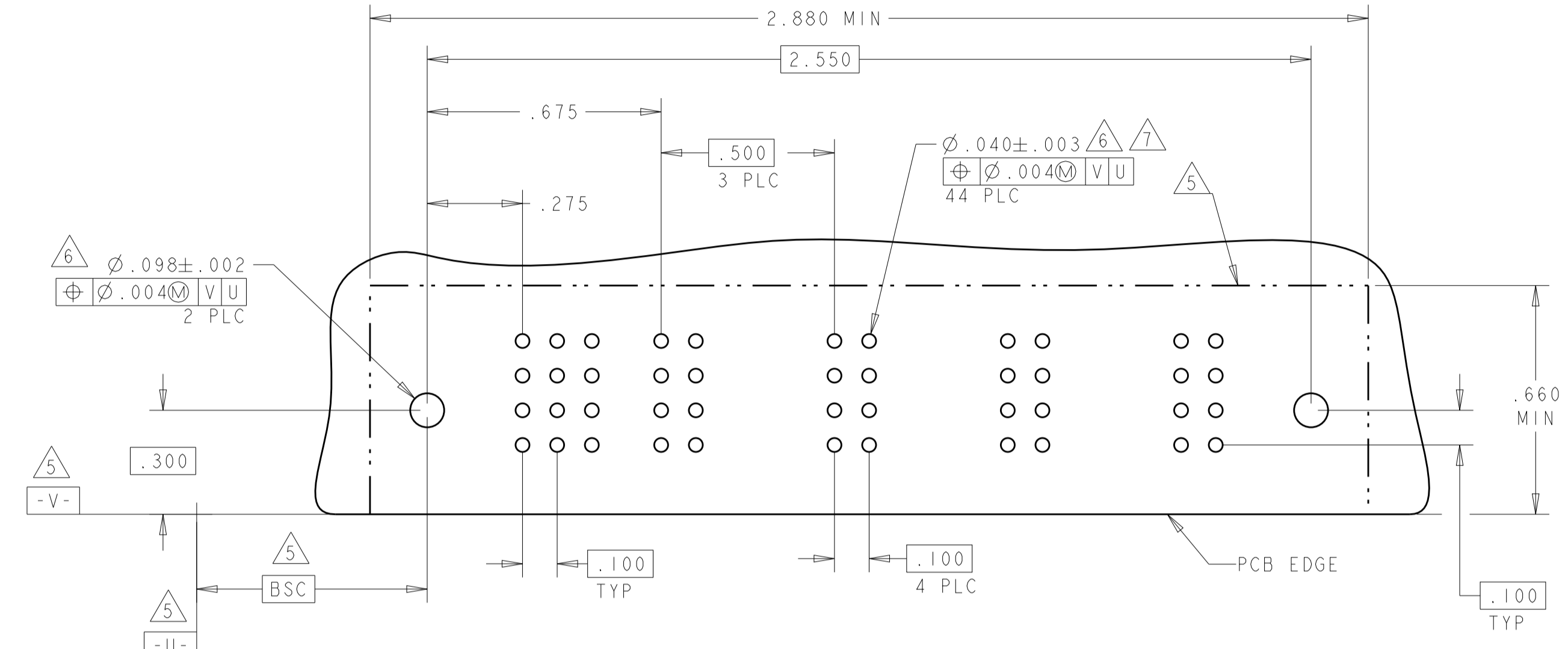
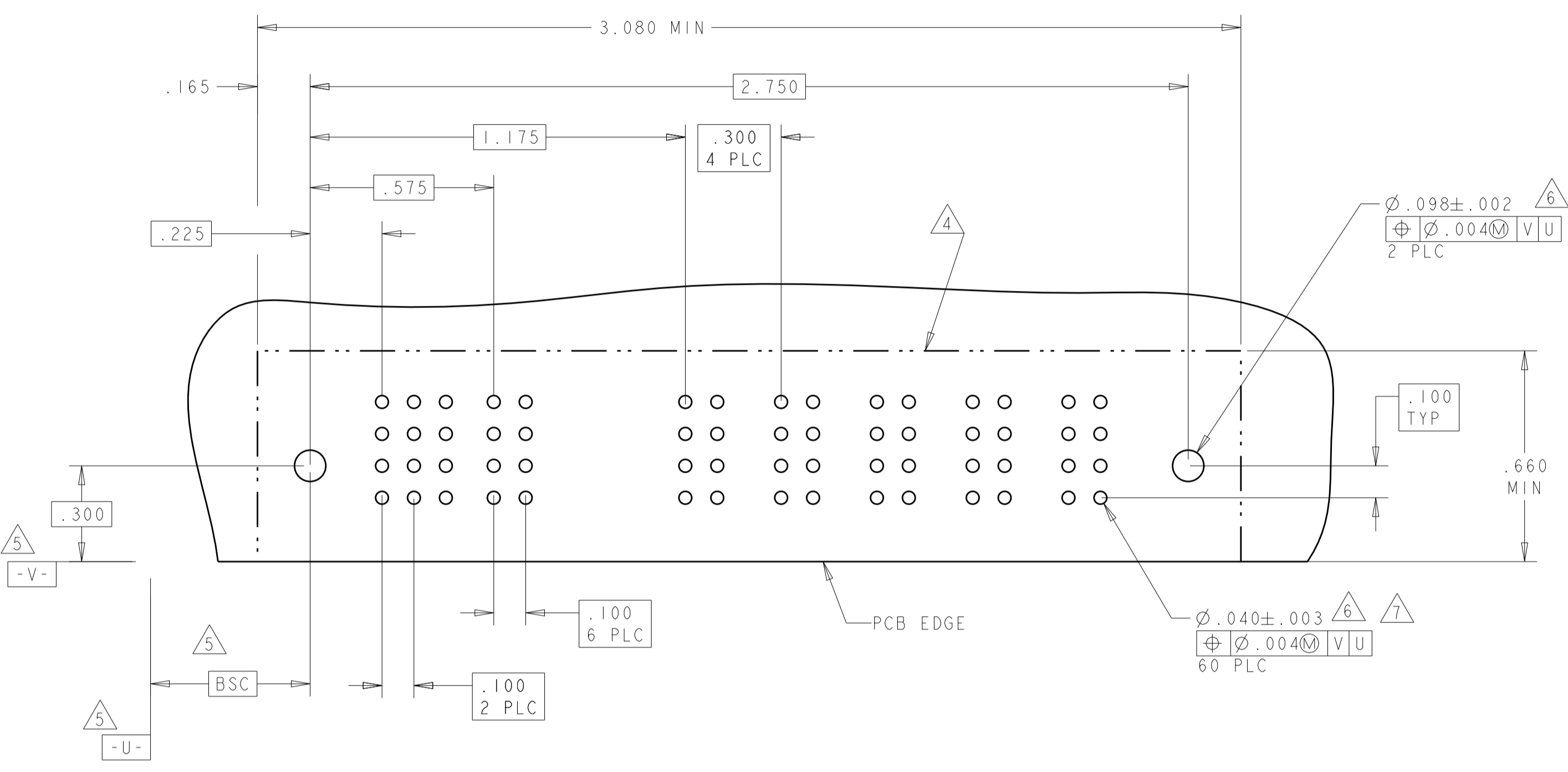
Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
FJ	MFLB	.135	D
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL CONTACT			

PA	.090
PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: R. GRZYBOWSKI	15FEB05
DIMENSIONS: INCHES		CHK: M. PERCHERKE	15FEB05
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCHERKE	NAME
0 PLC	±	PRODUCT SPEC	
2 PLC	±.01	108-1973	
3 PLC	±.01	APPLICATION SPEC	
4 PLC	±.005	114-13038	
5 PLC	±.0020	SIZE	CAGE CODE
ANGLES	±.020	114-13038	DRAWING NO
MATERIAL		WEIGHT	RESTRICTED TO
FINISH			A100779
		CUSTOMER DRAWING	SCALE: 1:1
			SHEET 3 OF 9
			REV: E9

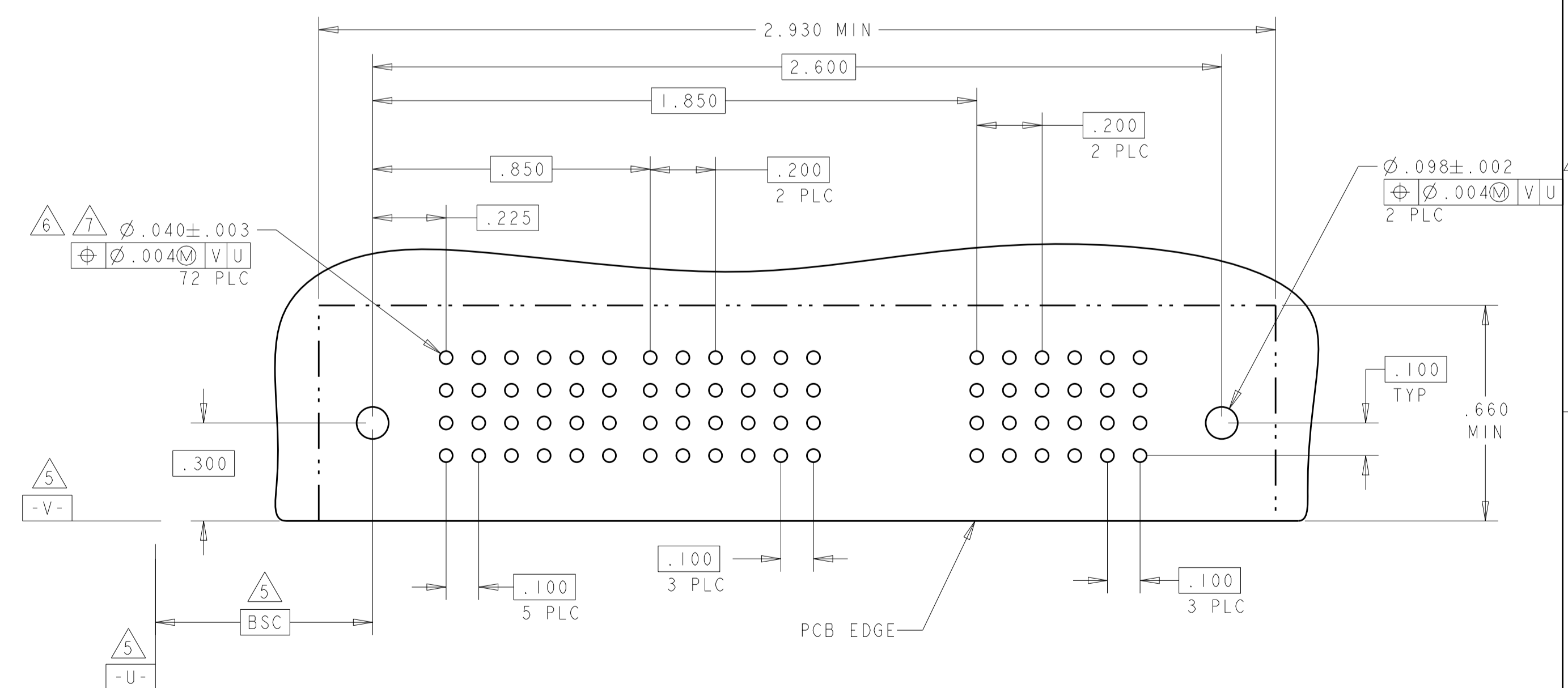
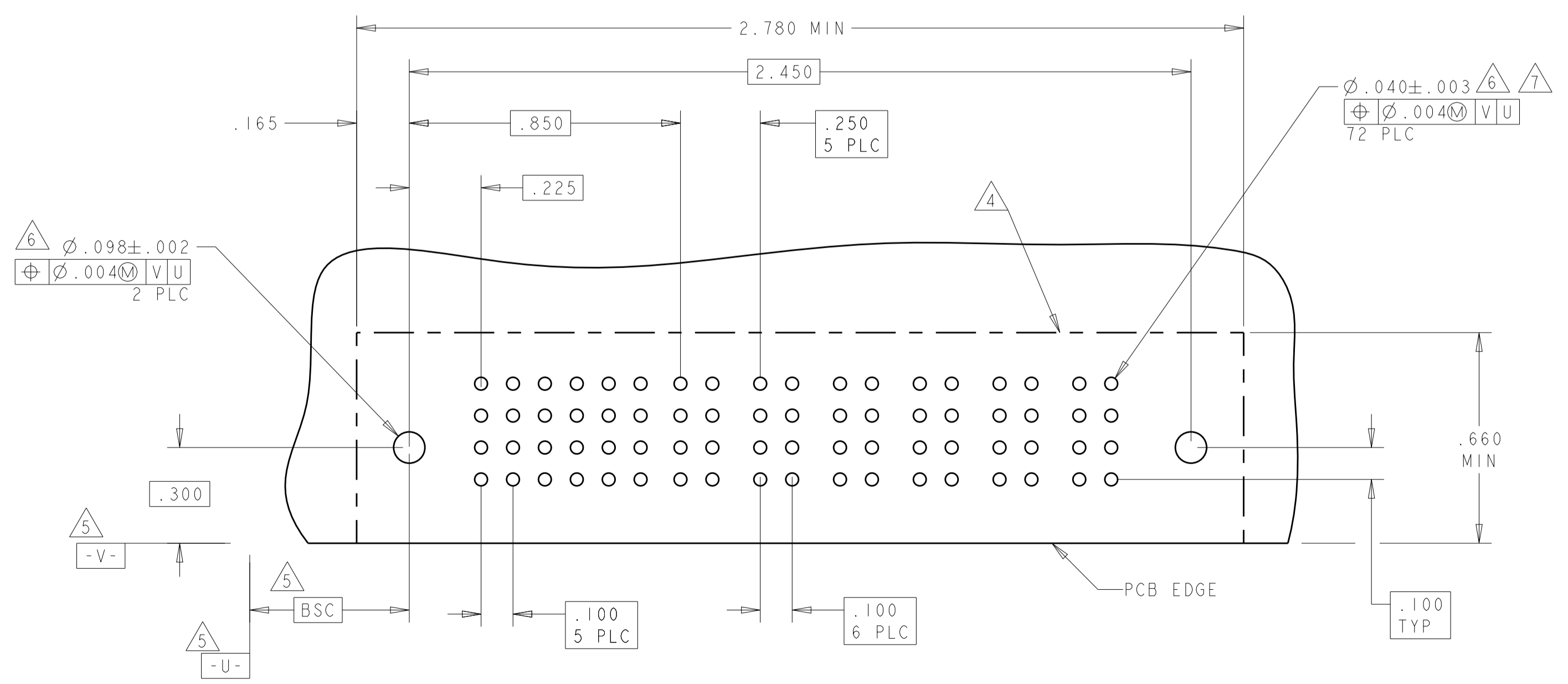
PART NUMBER	ROWS	SIGNAL			POWER							
		1	2	3	P1	P2	P3	P4	P5	P6	P7	
6450131-6	D	Z	Z	Z	PA		PA	PA	PA	PA	PA	PA
	C	Y	Y	Y								
	B	R	R	R								
	A	AI	O	O								

PART NUMBER	ROWS	SIGNAL			POWER							
		1	2	3	P1	P2	P3	P4	P5	P6	P7	
I-6450131-1	D	J	J	J	PM		PM	PM	PM	PM	PM	PM
	C	K	K	K								
	B	N	N	N								
	A	S	S	S								



PART NUMBER	ROWS	SIGNAL						POWER					
		1	2	3	4	5	6	P1	P2	P3	P4	P5	P6
6450131-7	D	E	E	J	J	J	E	PM	PM	PM	PM	PM	PM
	C	F	F	K	K	K	K						
	B	G	G	N	N	N	N						
	A	H	H	S	S	S	S						

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

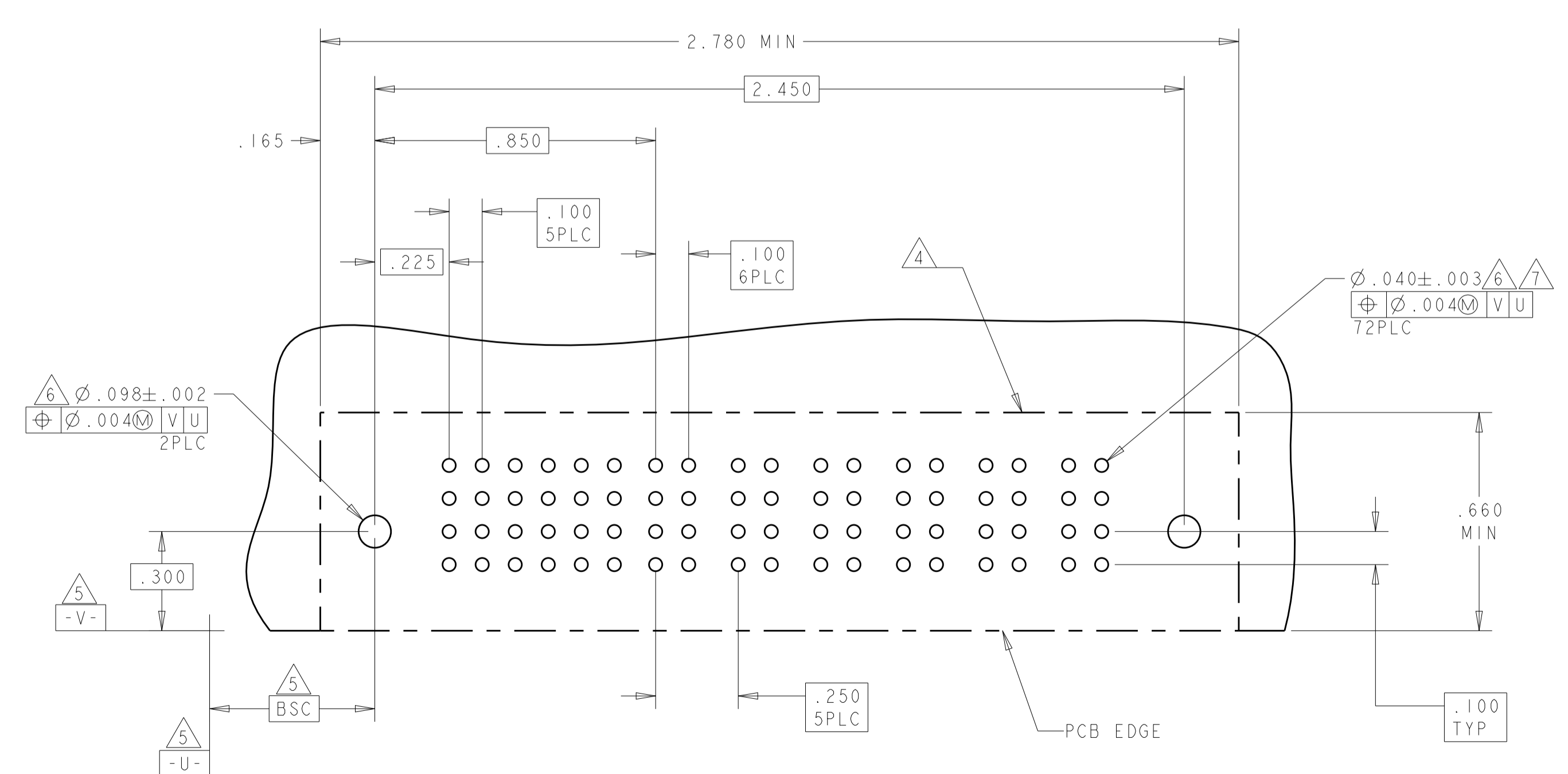
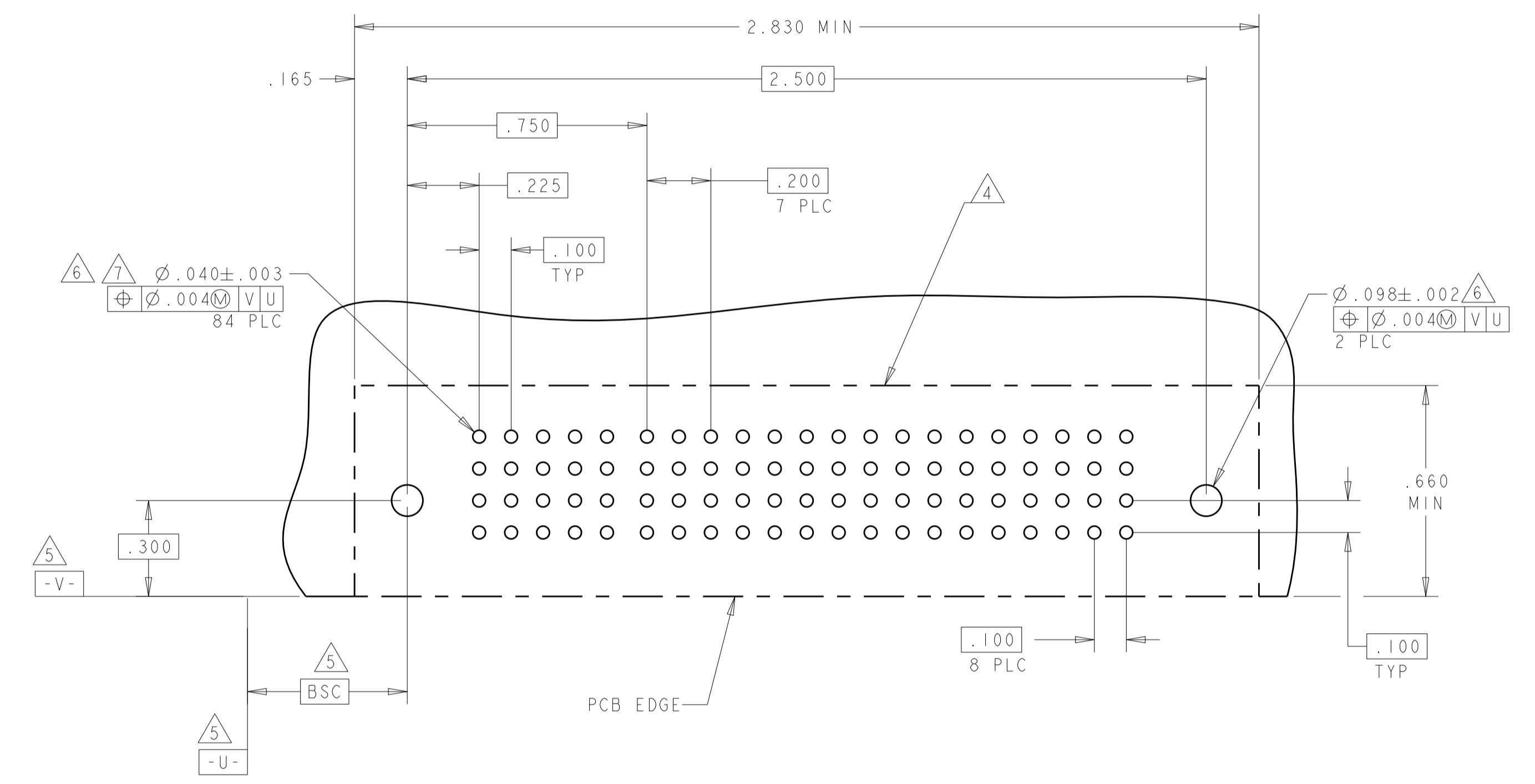
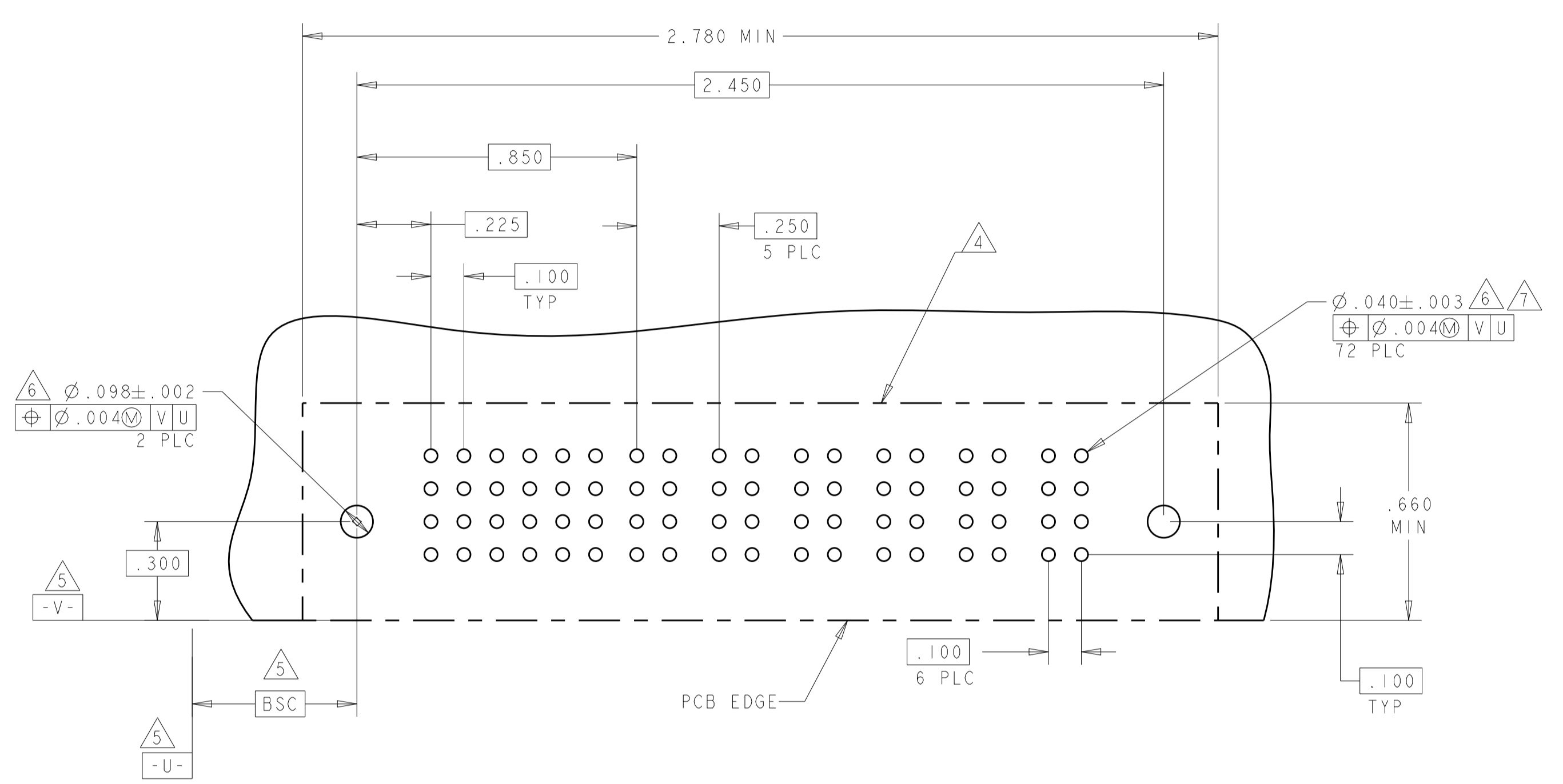
DIMENSIONS: INCHES 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.020	DWG: R. GRZYBOWSKI CHK: M. PERCHERKE APVD: M. PERCHERKE PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: A100779 CUSTOMER DRAWING	NAME: RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL SIZE: 114-13038 SHEET 4 OF 9 SCALE: 1:1 REV: E9
---------------------------	---	---	---

4805 (3/11)

LOC		DIST		REVISIONS			
ES	00	P	LTN	DESCRIPTION	DATE	OWN	APVD
				SEE SHEET 1			

PART NUMBER	ROWS	SIGNAL						POWER							
		1	2	3	4	5	6	P1	P2	P3	P4	P5	P6		
1-6450131-4	D	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM		
	C	K	K	K	K	K	K								
	B	N	N	N	G	N	N								
	A	S	S	S	H	S	S								
24S + 6P		HD												HD	

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



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

THIS DRAWING IS A CONTROLLED DOCUMENT. **STE** TE Connectivity

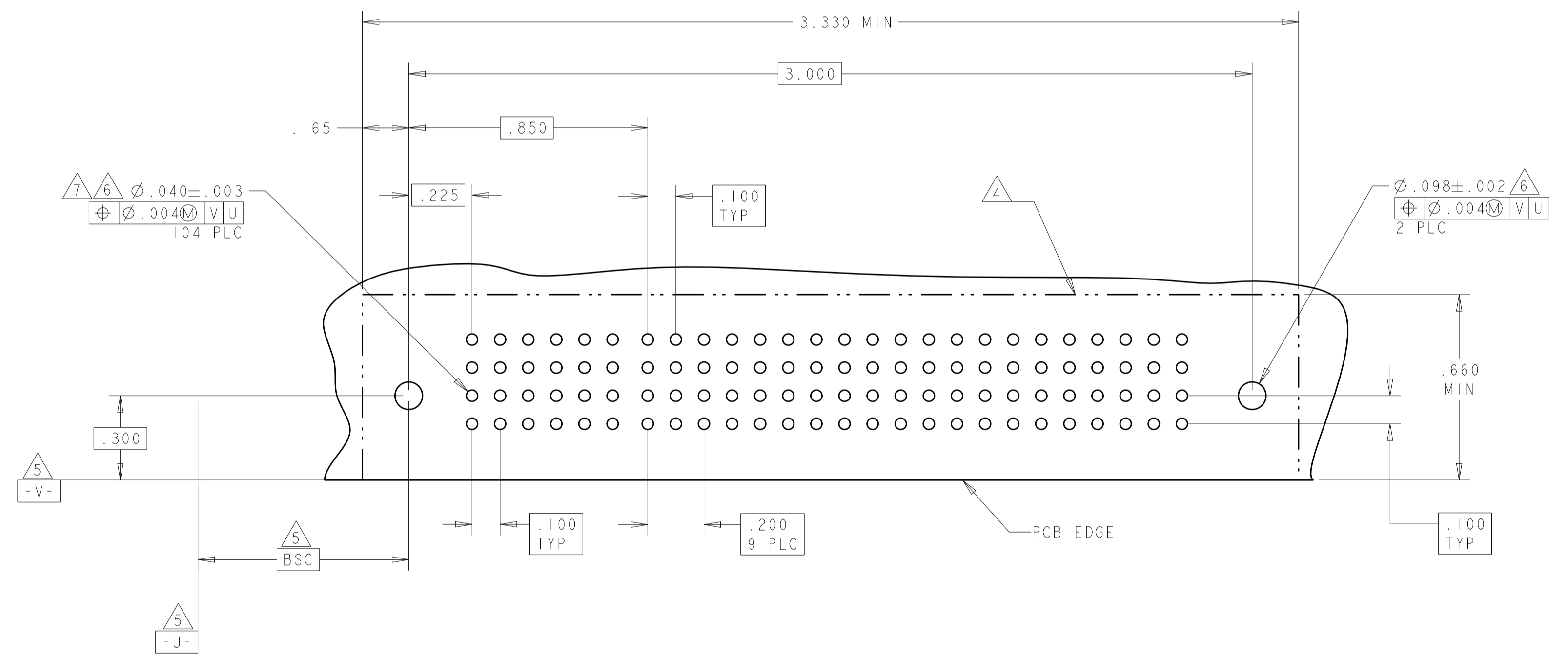
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN: R. GRZYBOWSKI 15FEB05	CHK: M. PERCHERKE 15FEB05
	0 PLC ±.010 2 PLC ±.005 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.0020	APVD: M. PERCHERKE	NAME: M. PERCHERKE
MATERIAL: -	FINISH: -	PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038
CUSTOMER DRAWING		WEIGHT: -	SCALE: 1:1

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

SIZE: 114-13038
 CAGE CODE: A100779
 DRAWING NO: C=6450131
 SHEET 5 OF 9
 REV E9

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	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	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
	C	K	K	K	F	K	K	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
	B	N	N	N	N	N	N	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
A	A	S	S	S	S	S	S	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
24S + 10HDP																		

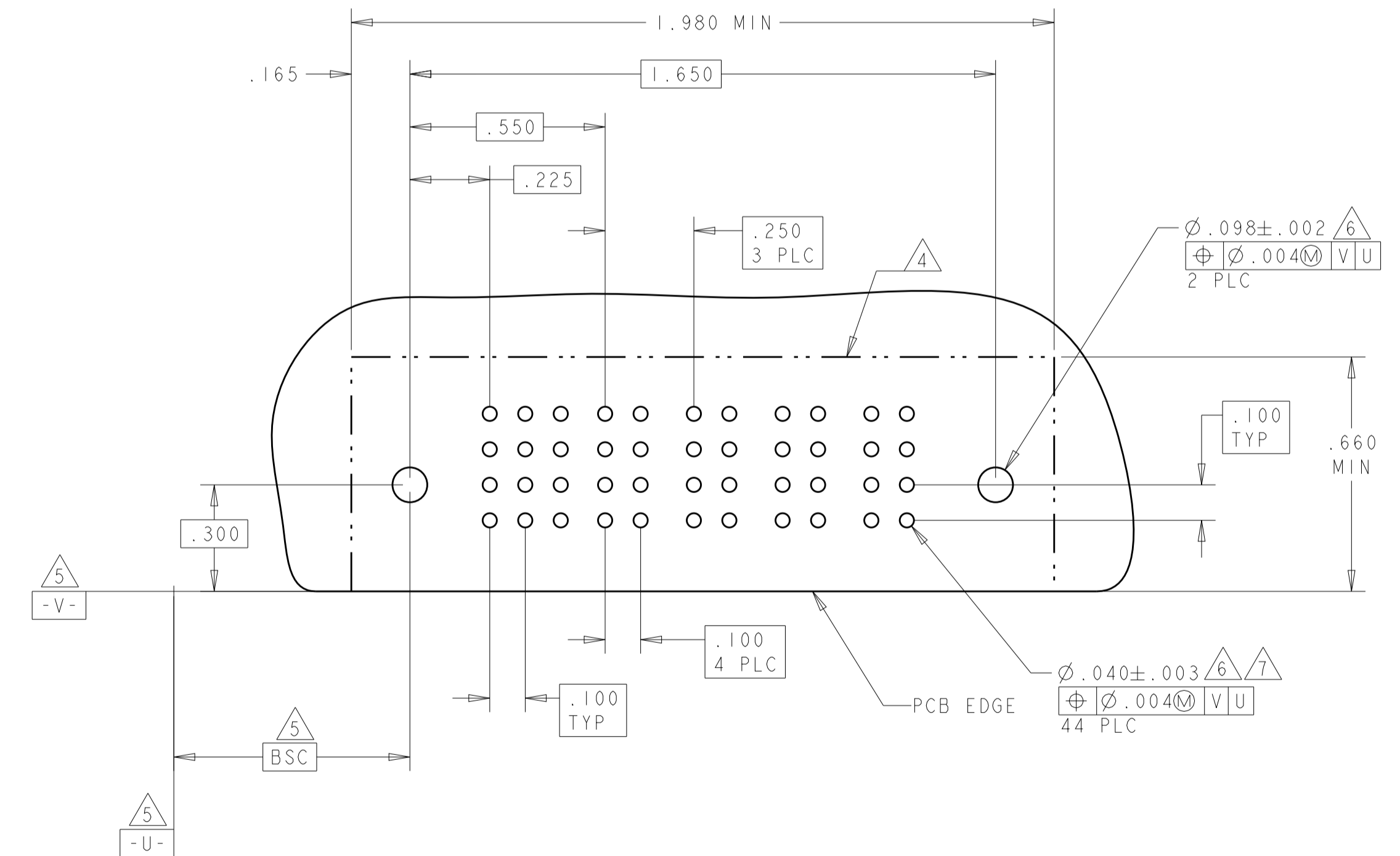
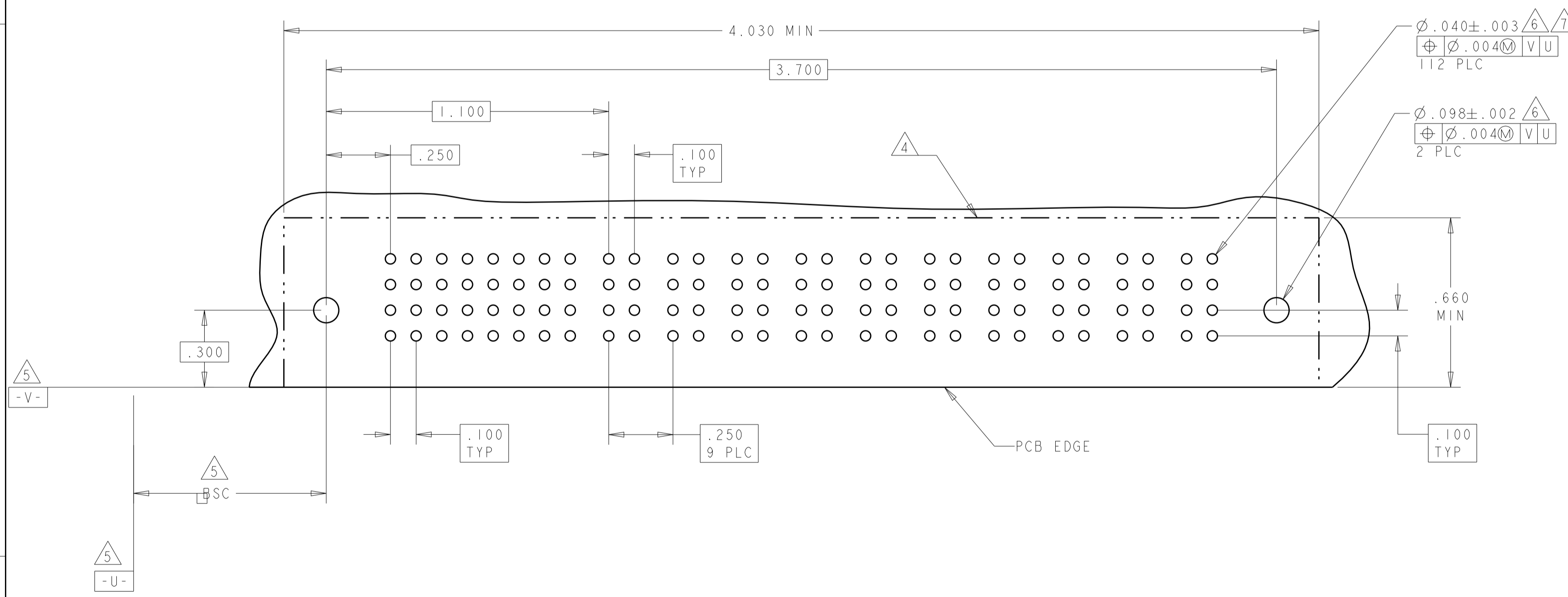


THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN	R. GRZYBOWSKI	15FEB05	TE Connectivity
DIMENSIONS: INCHES		CHK	M. PERCHERKE	15FEB05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	M. PERCHERKE	-	NAME
0 PLC	±	PRODUCT SPEC		RIGHT ANGLE HEADER ASSY	
1 PLC	±.01	APPLICATION SPEC		SOLDER CONTACTS, W/GUIDES	
2 PLC	±.005	CAGE CODE		MULTI-BEAM XL	
3 PLC	±.0020	DRAWING NO		A100779C=6450131	
4 PLC	±.0020	RESTRICTED TO		-	
5 PLC	±.0020	SCALE		1:1	
ANGLES	±.0020	SHEET		6 OF 9	
FINISH	±.0020	REV		E9	
MATERIAL	-	CUSTOMER DRAWING		SCALE 1:1 SHEET 6 OF 9 REV E9	

LOC	DIST	REV	DESCRIPTION	DATE	OWN	APVD
ES	00		SEE SHEET 1			

PART NUMBER	ROWS	SIGNAL								POWER									
		1	2	3	4	5	6	7	8	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
I-6450131-8	D C B A	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
		K	K	K	F	F	K	K	K										
		N	N	N	G	G	N	N	N										
32S + 10P		S	S	S	S	S	S	S											

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



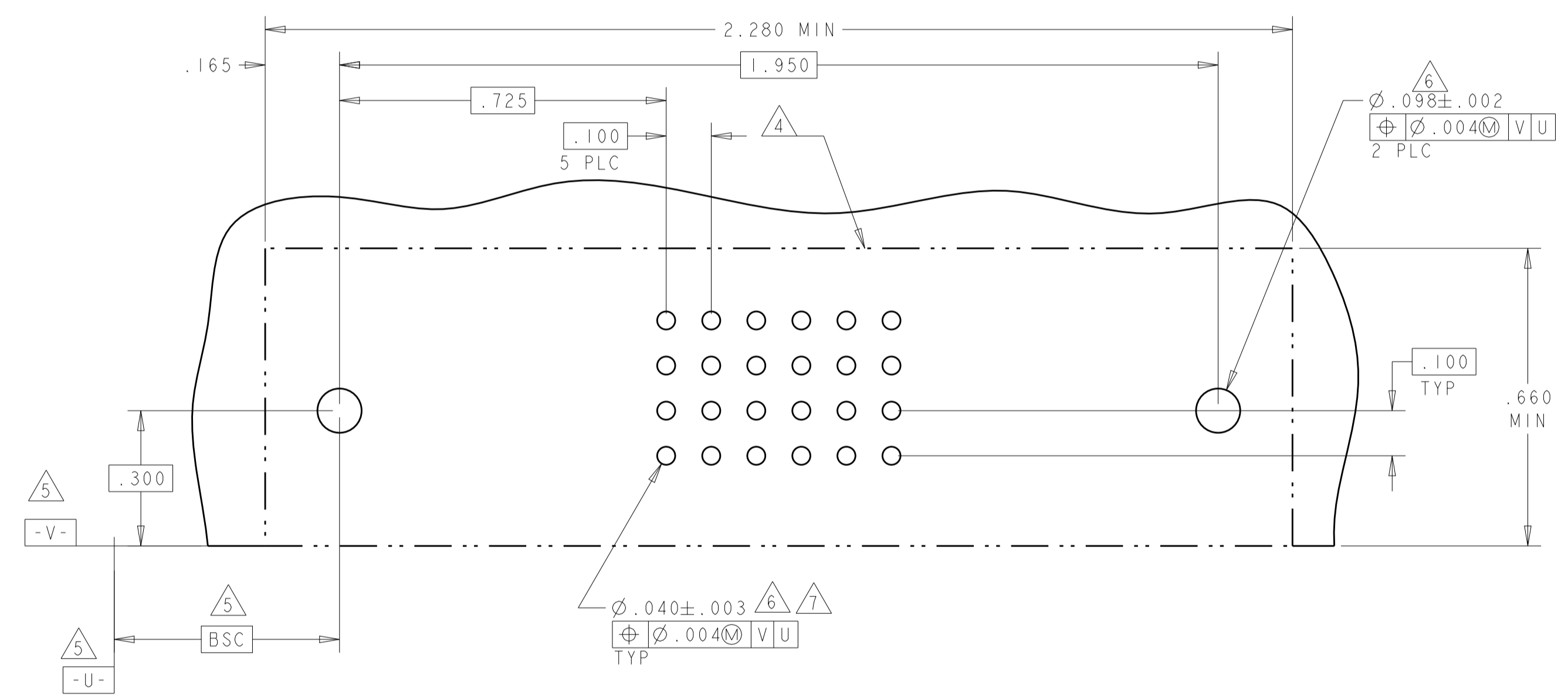
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	NAME
INCHES	0 PLC ±.01	1 PLC ±.01	2 PLC ±.01	M. PERCHERKE	RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL
	3 PLC ±.005	4 PLC ±.002	ANGLES ±.020		
MATERIAL	FINISH	WEIGHT	SIZE	CAGE CODE	DRAWING NO.
			RESTRICTED TO	A100779	C=6450131
CUSTOMER DRAWING				SCALE	SHEET 7 OF 9

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER		SIGNAL						POWER	
		P1	P2	1	2	3	4	5	6	P3	P4
2-6450131-1	D	HD	[]	J	J	J	J	J	J	[]	HD
	C			K	K	K	K	K	F		
	B			N	N	N	N	N	N		
	A			S	S	S	S	S	S		

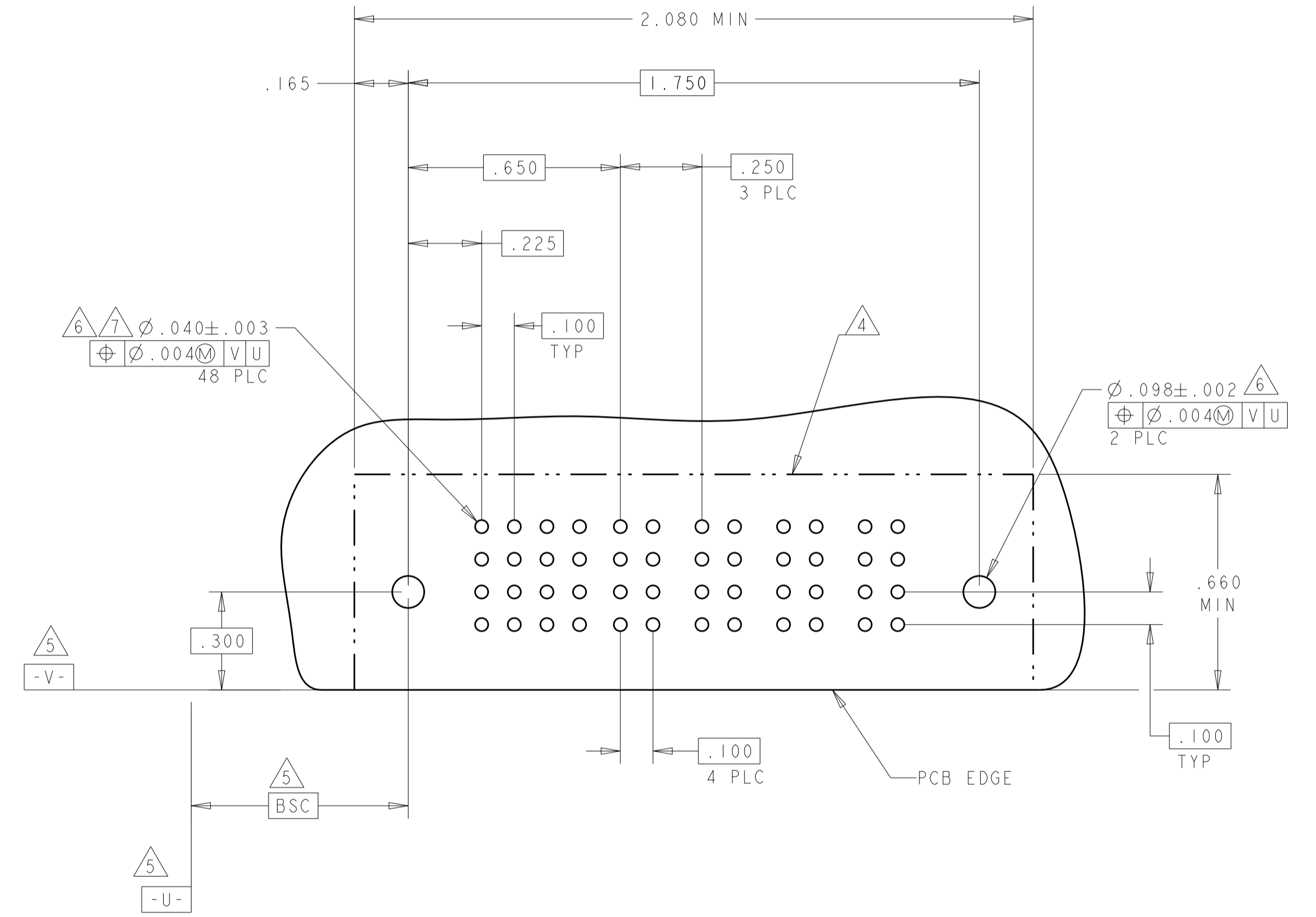
24S

NO CONTACT LOADED



PART NUMBER	ROWS	SIGNAL				POWER			
		1	2	3	4	P1	P2	P3	P4
2-6450131-2	D	J	J	J	J	PM	PM	PM	PM
	C	K	K	K	K				
	B	N	N	N	N				
	A	H	S	S	S				

16S + 4P



THIS DRAWING IS A CONTROLLED DOCUMENT.

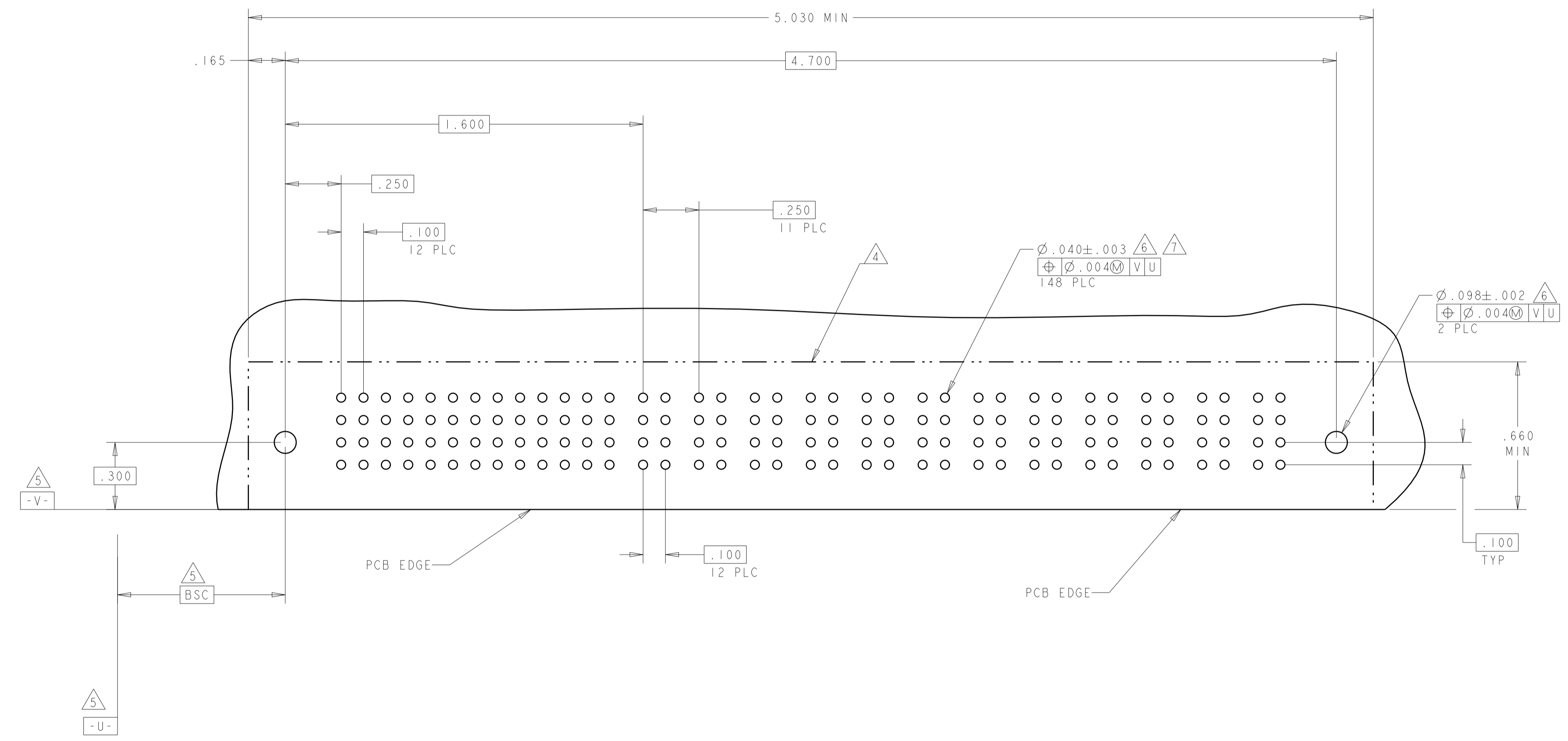
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.01 4 PLC ±.005 ANGLES ±.020	FINISH	DMN: R. GRZYBOWSKI 15FEB05 CHK: M. PERCHERKE 15FEB05 APVD: M. PERCHERKE	NAME: R. GRZYBOWSKI	PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038	SIZE: A1	CAGE CODE: 100779	DRAWING NO: 6450131	RESTRICTED TO: -
MATERIAL: -	FINISH: -	WEIGHT: -	CUSTOMER DRAWING	SCALE: 1:1	SHEET: 8	OF: 9	REV: E9			

STC TE Connectivity

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

LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	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	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													
	A	S	S	S	S	S	S	S	S	S	S	S	S													
52S + 12P		HD																								



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 15FEB05	TE Connectivity											
DIMENSIONS: INCHES		CHK M. PERCHERKE 15FEB05			NAME R. GRZYBOWSKI									
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	PRODUCT SPEC 108-1973	RESTRICTED TO										
<table border="1"> <tr><td>0 PLC</td><td>±</td></tr> <tr><td>2 PLC</td><td>±.01</td></tr> <tr><td>3 PLC</td><td>±.05</td></tr> <tr><td>4 PLC</td><td>±.0020</td></tr> <tr><td>ANGLES</td><td>±.2°</td></tr> </table>		0 PLC	±	2 PLC	±.01	3 PLC	±.05	4 PLC	±.0020	ANGLES	±.2°	APPLICATION SPEC 114-13038	SIZE A100779	DRAWING NO C=6450131
0 PLC	±													
2 PLC	±.01													
3 PLC	±.05													
4 PLC	±.0020													
ANGLES	±.2°													
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING	SCALE 1:1 SHEET 9 OF 9 REV E 9										