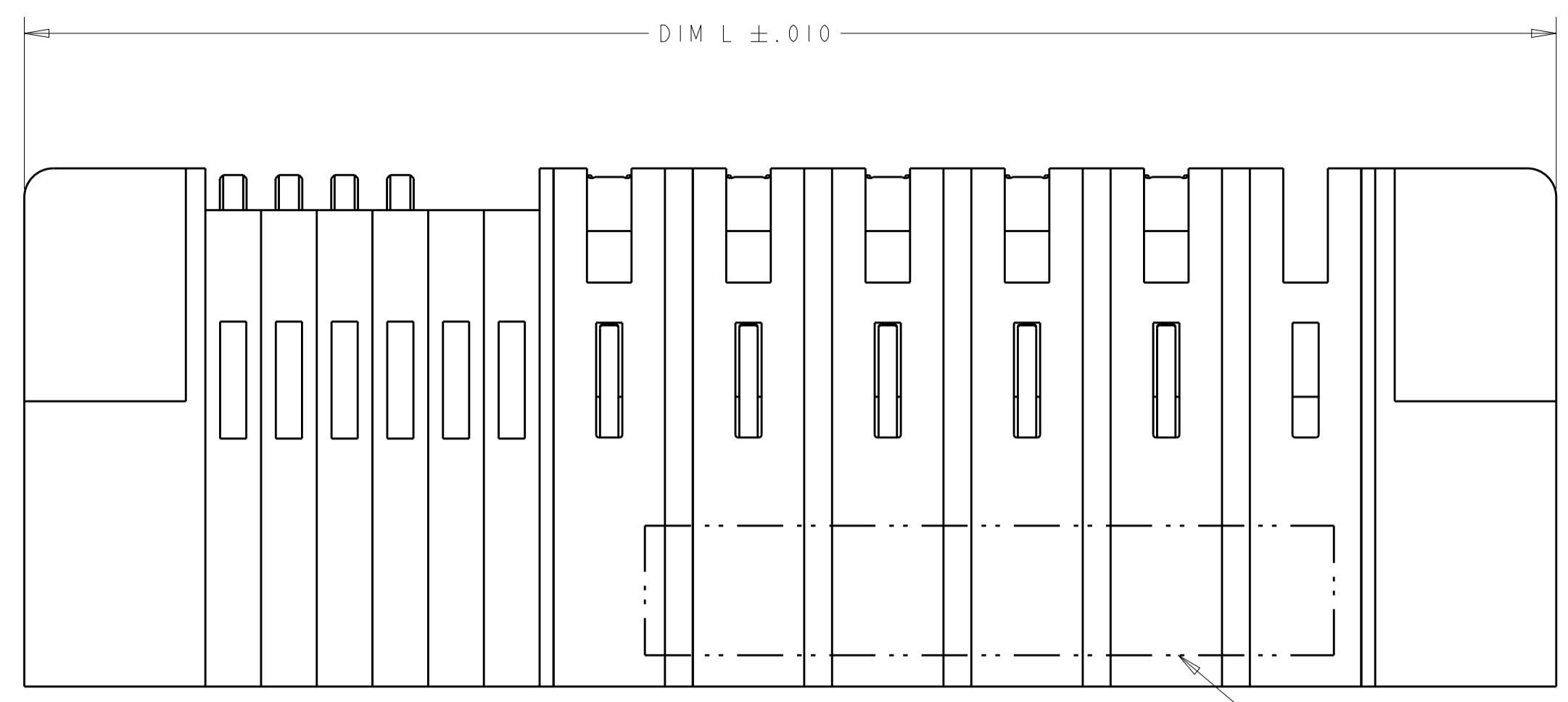
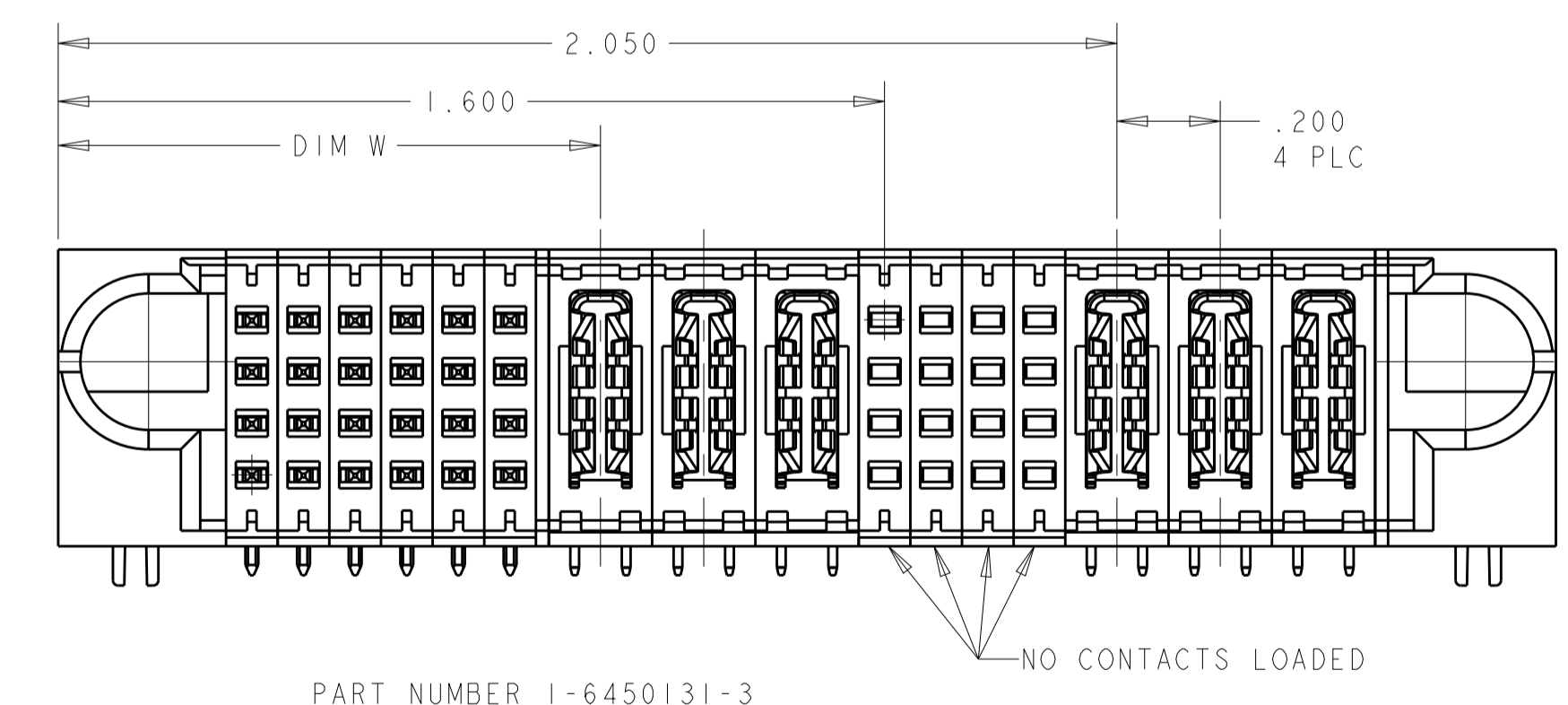
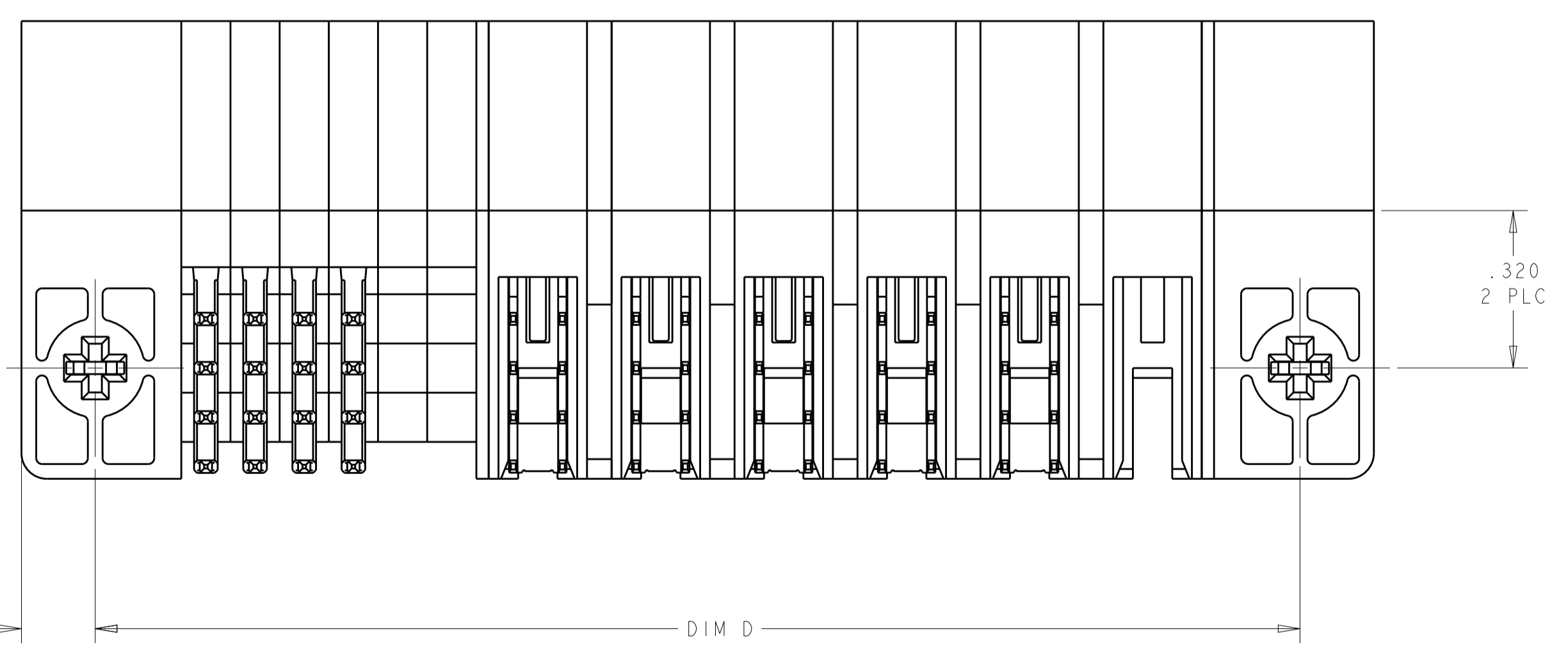
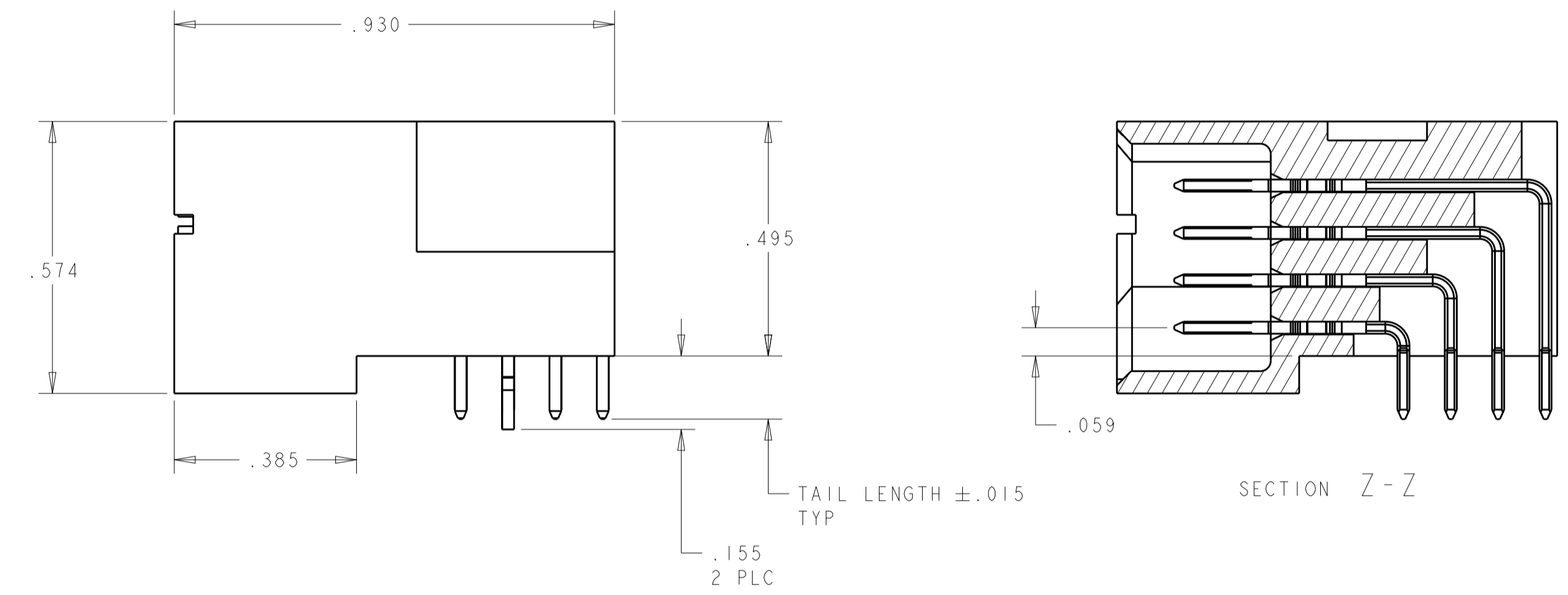
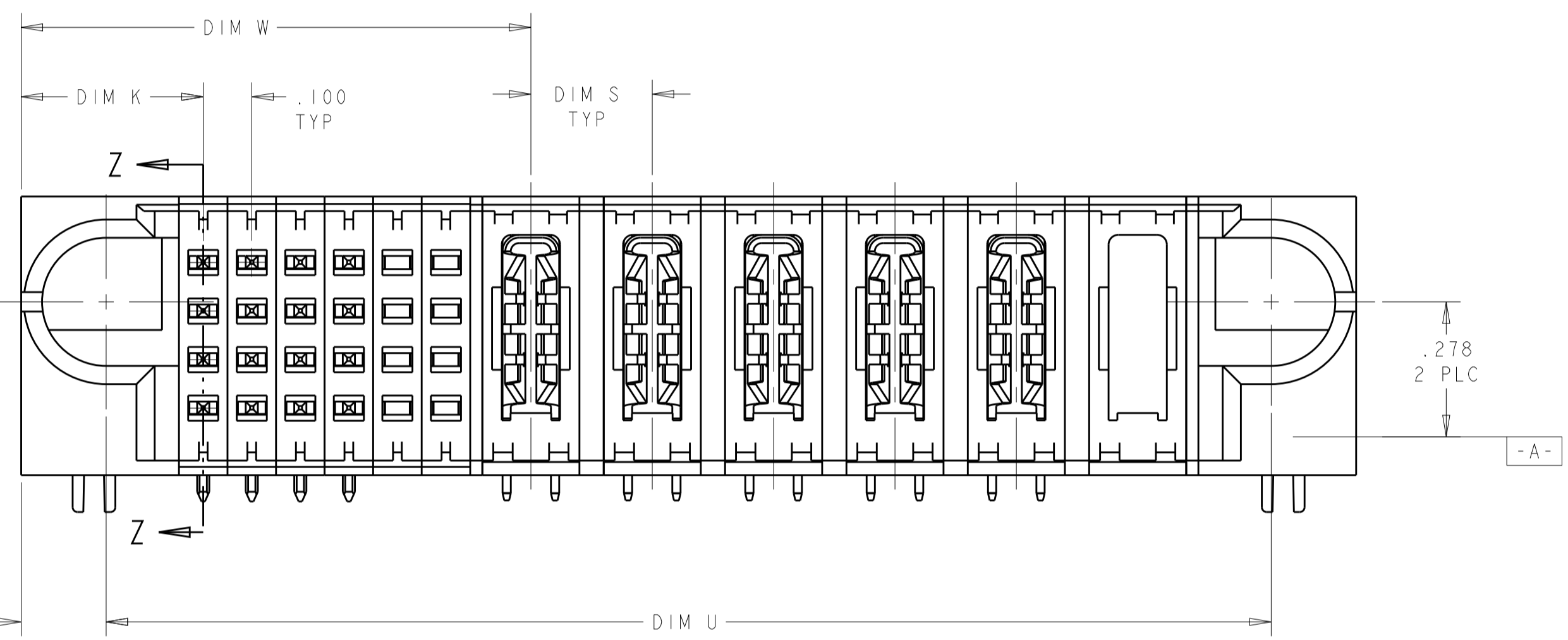


LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD		
E8		REV PER ECR-12-021802	04JAN2013	ML	SZ		
E9		ADD NEW DASH NUMBER 2-3	21MAY2013	CZ	SZ		



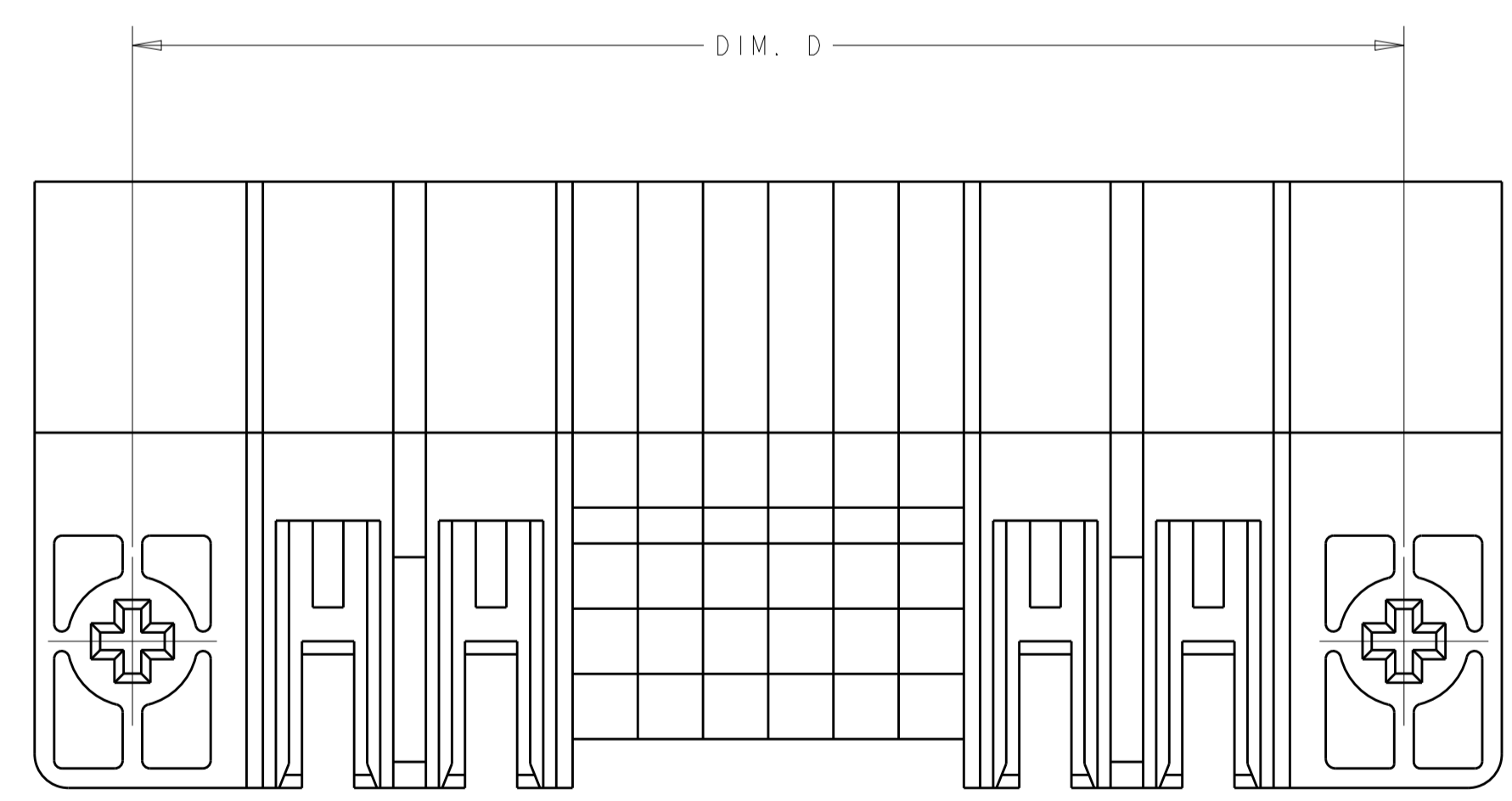
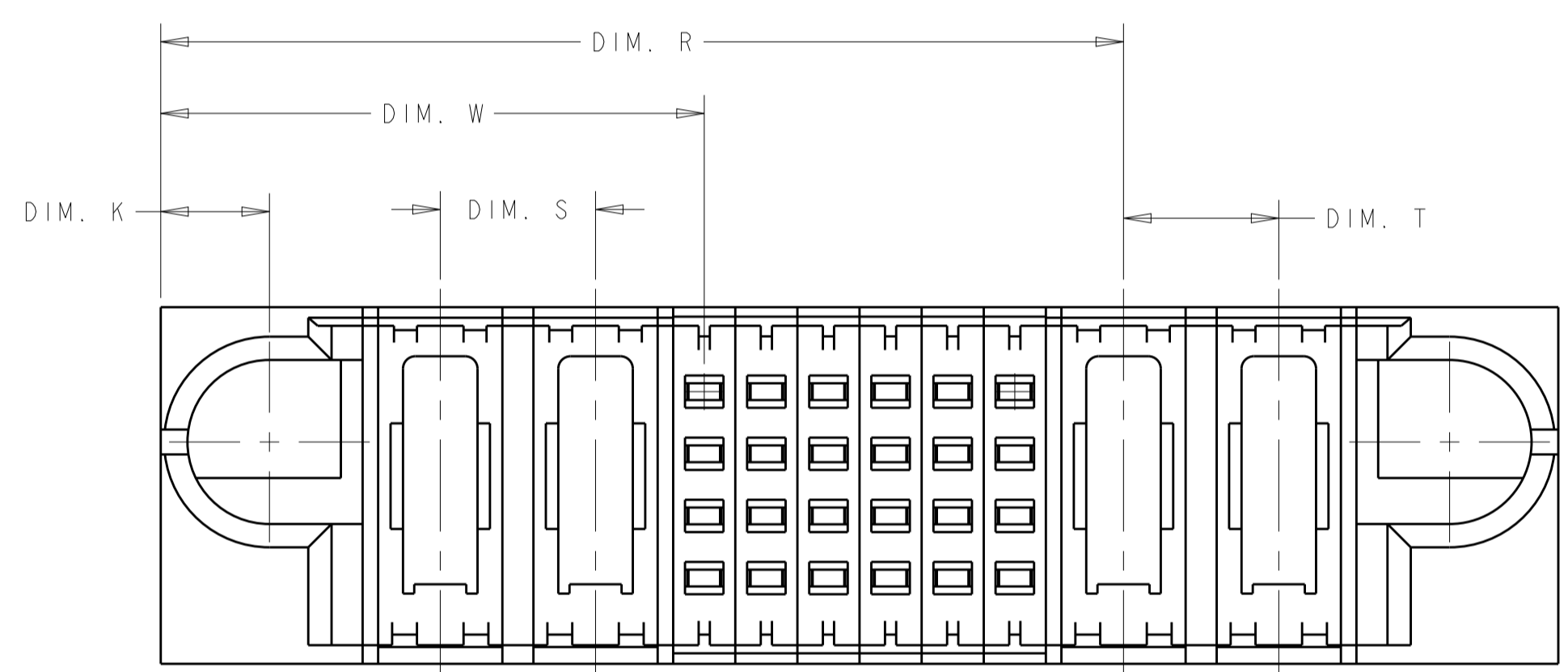
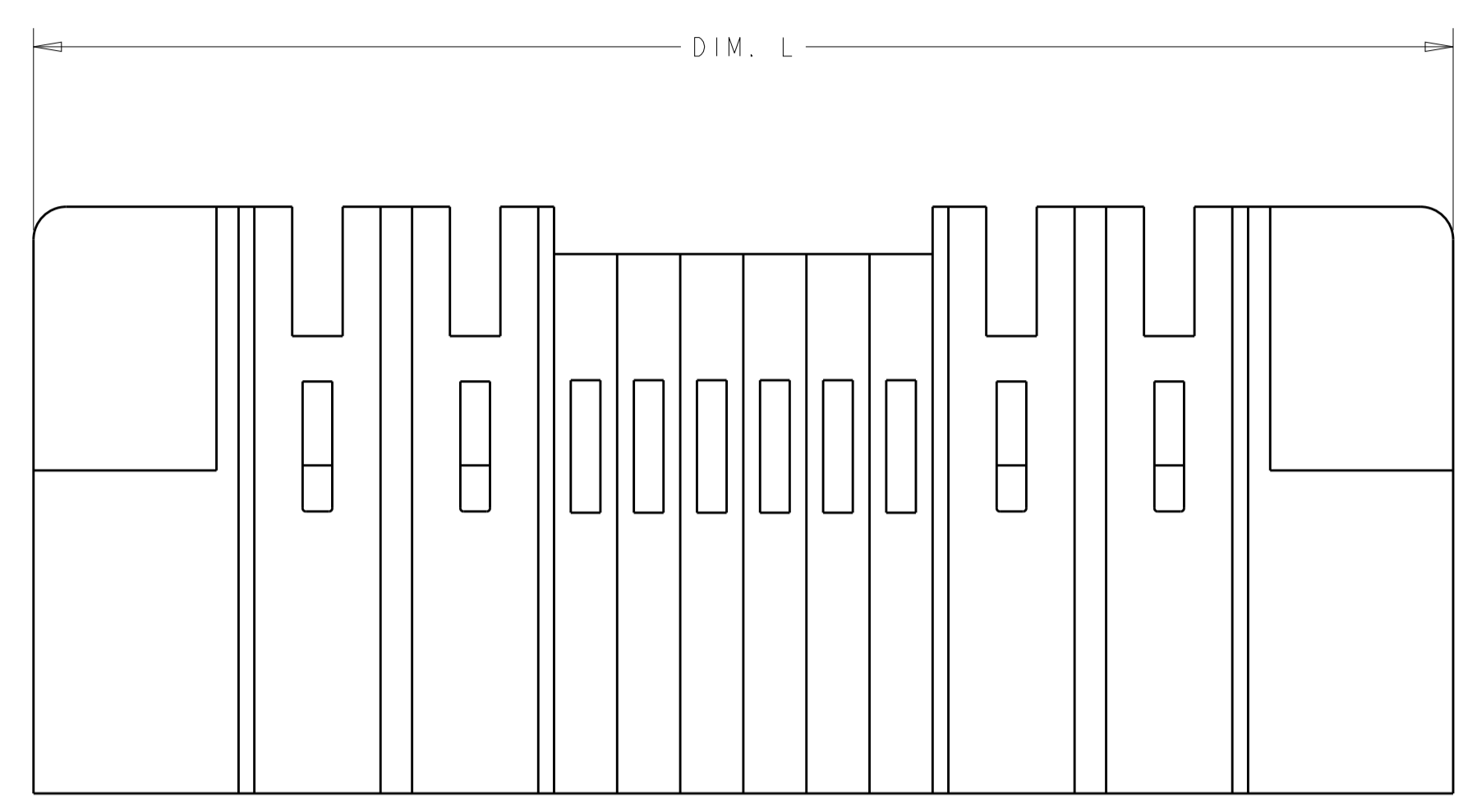
- ⚠ "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- ⚠ MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
 SIGNAL CONTACT - COPPER ALLOY
 POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- ⚠ CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER CONTACTS 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.		DMN R. GRZYBOWSKI 15FEB05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 15FEB05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	NAME RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL	
0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°		PRODUCT SPEC 108-1973	SIZE A1	
MATERIAL		APPLICATION SPEC 114-13038	CAGE CODE DRAWING NO C=6450131	
FINISH		WEIGHT	RESTRICTED TO	
		CUSTOMER DRAWING	SCALE 1:1 SHEET 1 of 9 REV E9	

LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	DWN	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.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	±
1 PLC	±.01
2 PLC	±.01
3 PLC	±.005
4 PLC	±.0020
ANGLES	±.020
FINISH	±.020

MATERIAL: - FINISH: -

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

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

CUSTOMER DRAWING

SCALE: 1:1 SHEET: 2 OF 9 REV: E9

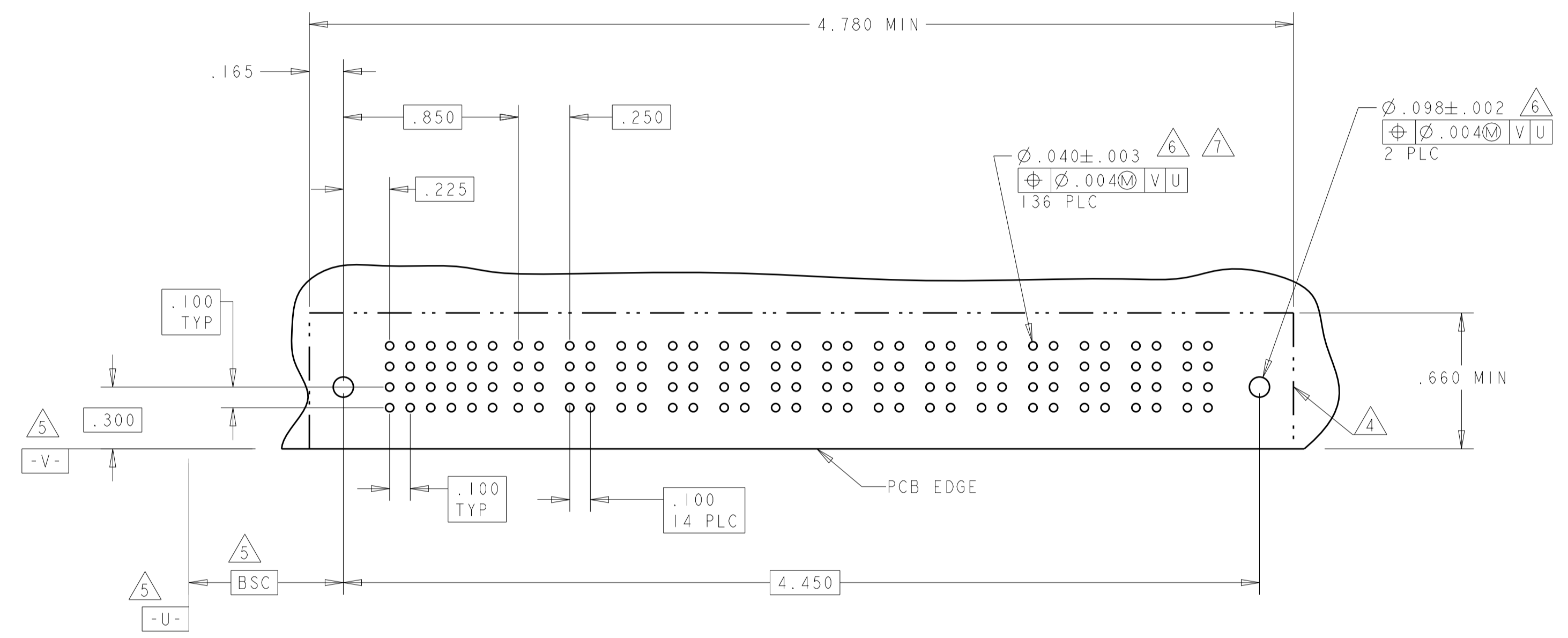
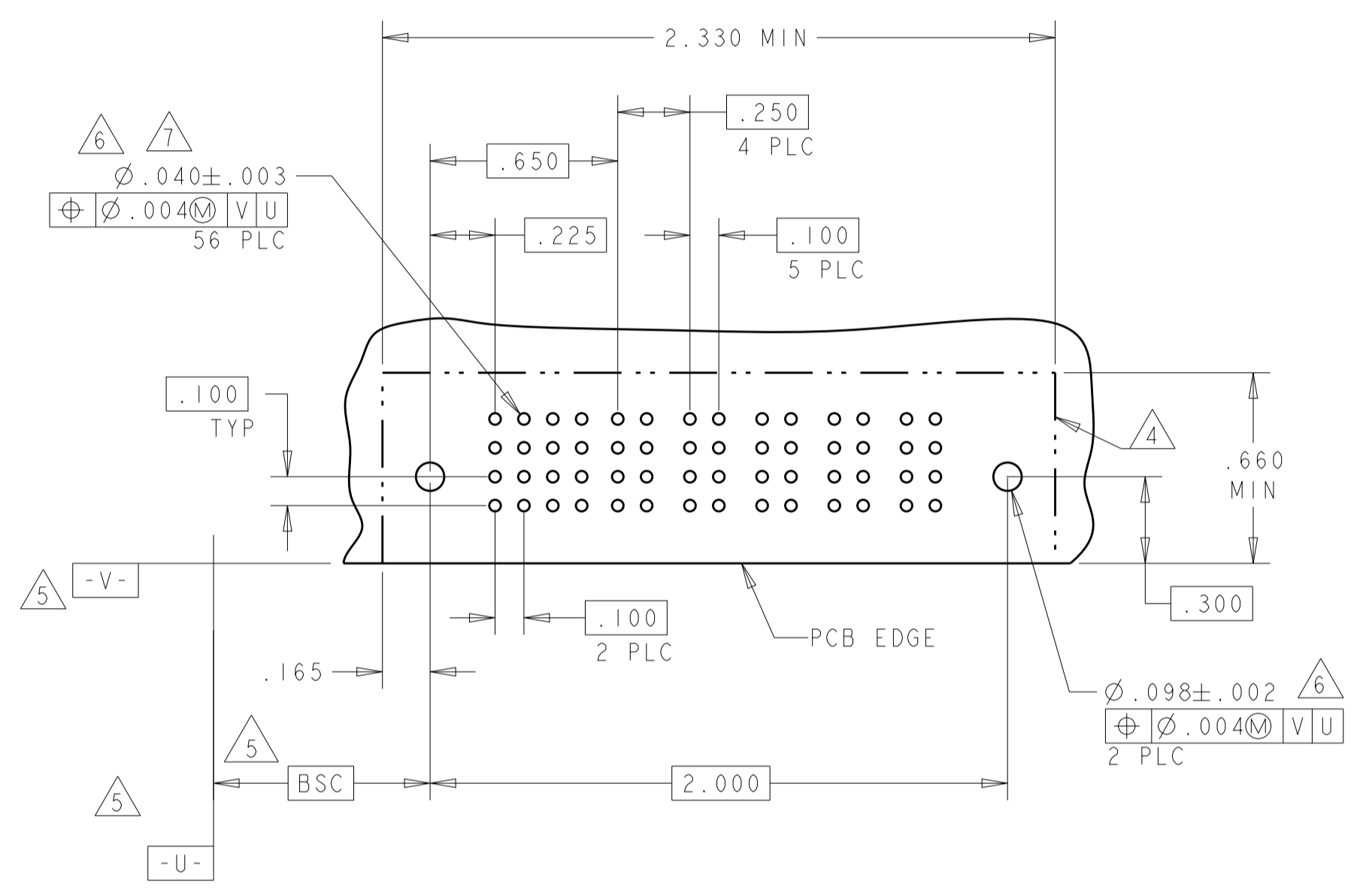
TE Connectivity

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

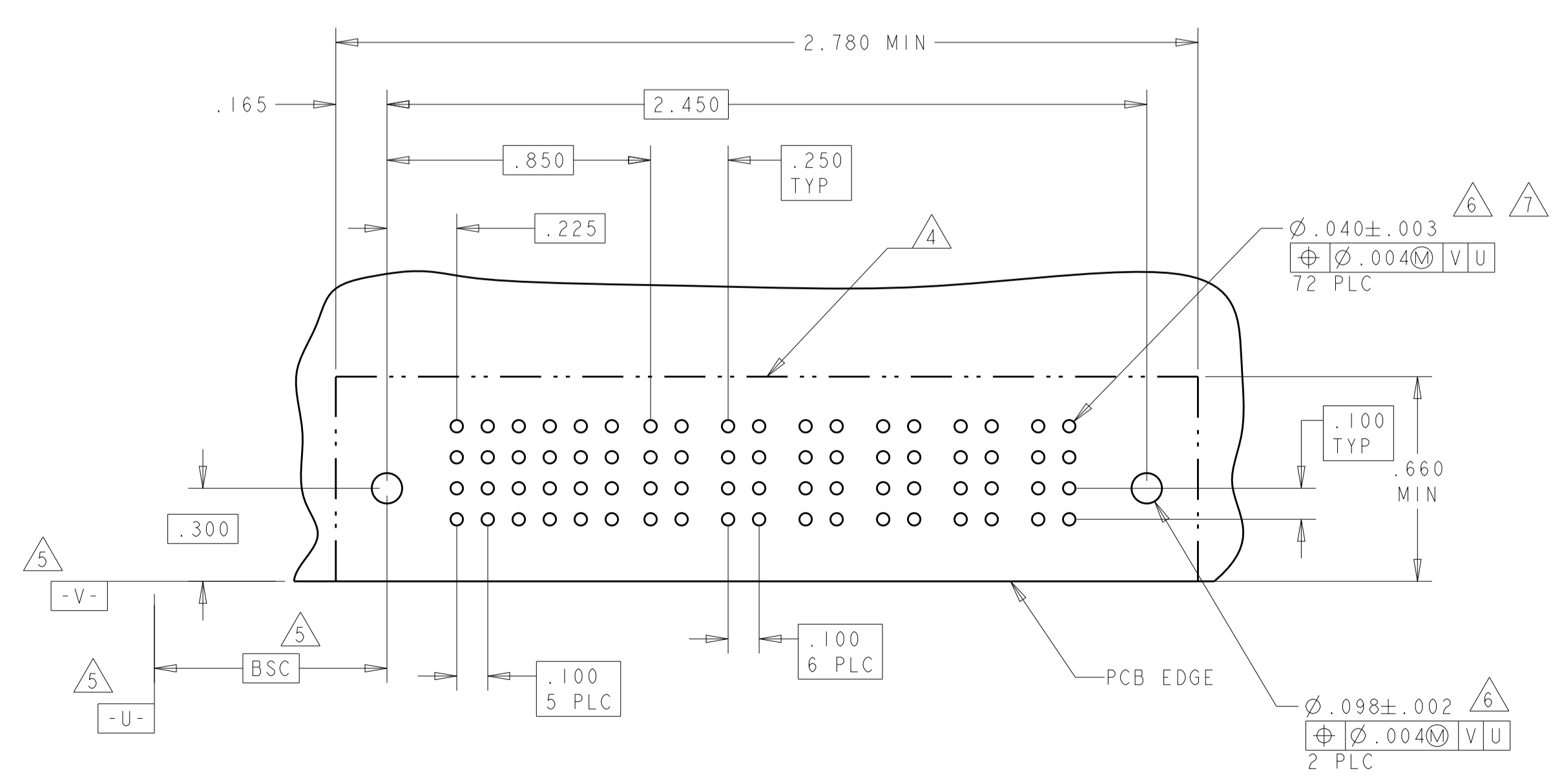
SIZE: A1 CAGE CODE: 6450131 DRAWING NO: 100779

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				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	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				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				HD							

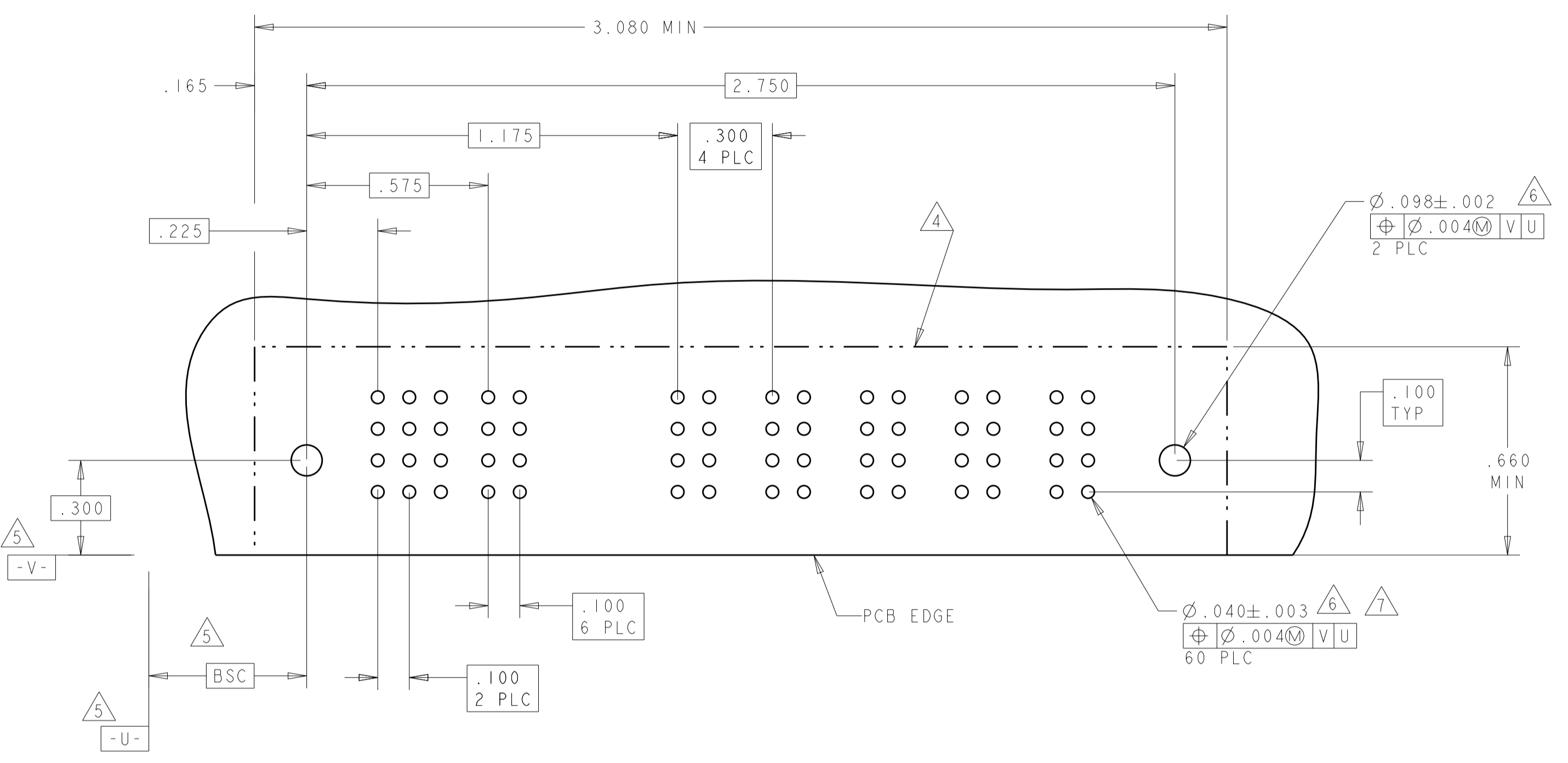


Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
FJ	MFLB	.135	D
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A

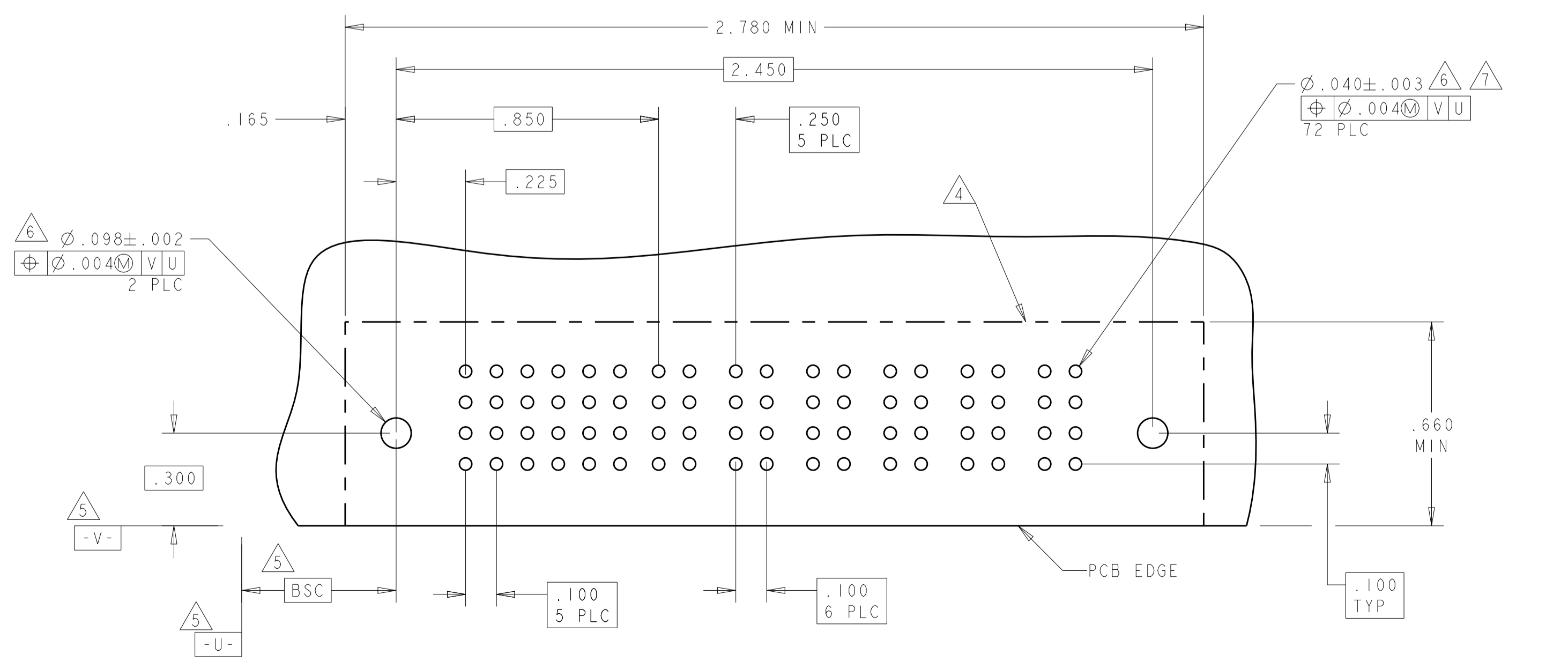
PA	.090
PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

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	±.002	WEIGHT	
ANGLES	±.020	CAGE CODE DRAWING NO	
FINISH		114-13038	
MATERIAL		RESTRICTED TO	
		A100779	
CUSTOMER DRAWING		SCALE 1:1	
		SHEET 3 OF 9	
		REV E9	

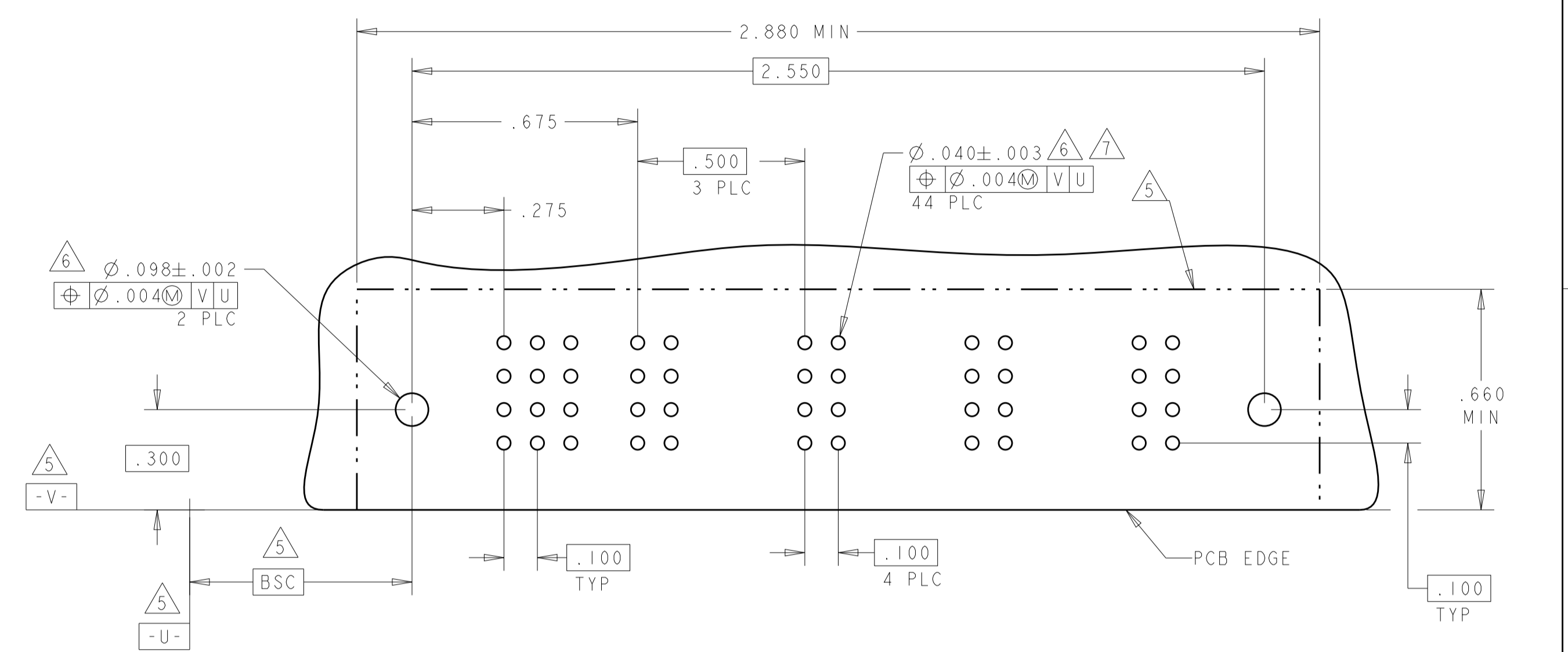
PART NUMBER	ROWS	SIGNAL			POWER						
		1	2	3	P1	P2	P3	P4	P5	P6	P7
6450131-6	D	Z	Z	Z	PA	PA	PA	PA	PA	PA	PA
	C	Y	Y	Y							
	B	R	R	R							
	A	AI	O	O							



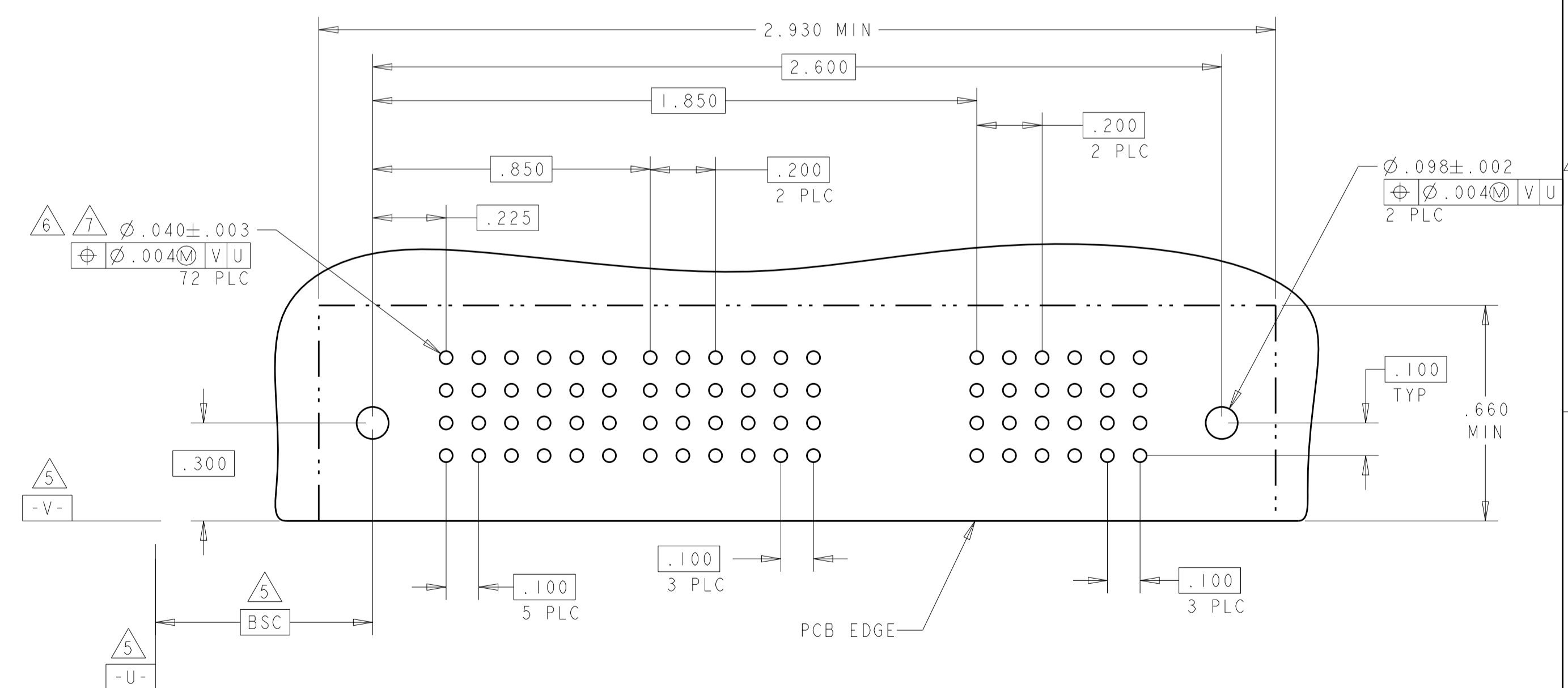
PART NUMBER	ROWS	SIGNAL						POWER					
		1	2	3	4	5	6	P1	P2	P3	P4	P5	P6
6450131-7	D	E	E	J	J	J	E	PM	PM	PM	PM	PM	PM
	C	F	F	K	K	K	K						
	B	G	G	N	N	N	N						
	A	H	H	S	S	S	S						



PART NUMBER	ROWS	SIGNAL			POWER						
		1	2	3	P1	P2	P3	P4	P5	P6	P7
1-6450131-1	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			SIGNAL				POWER		
		1	2	3	4	5	6	P1	P2	P3	7	8	9	10	P4	P5	P6
1-6450131-3	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										



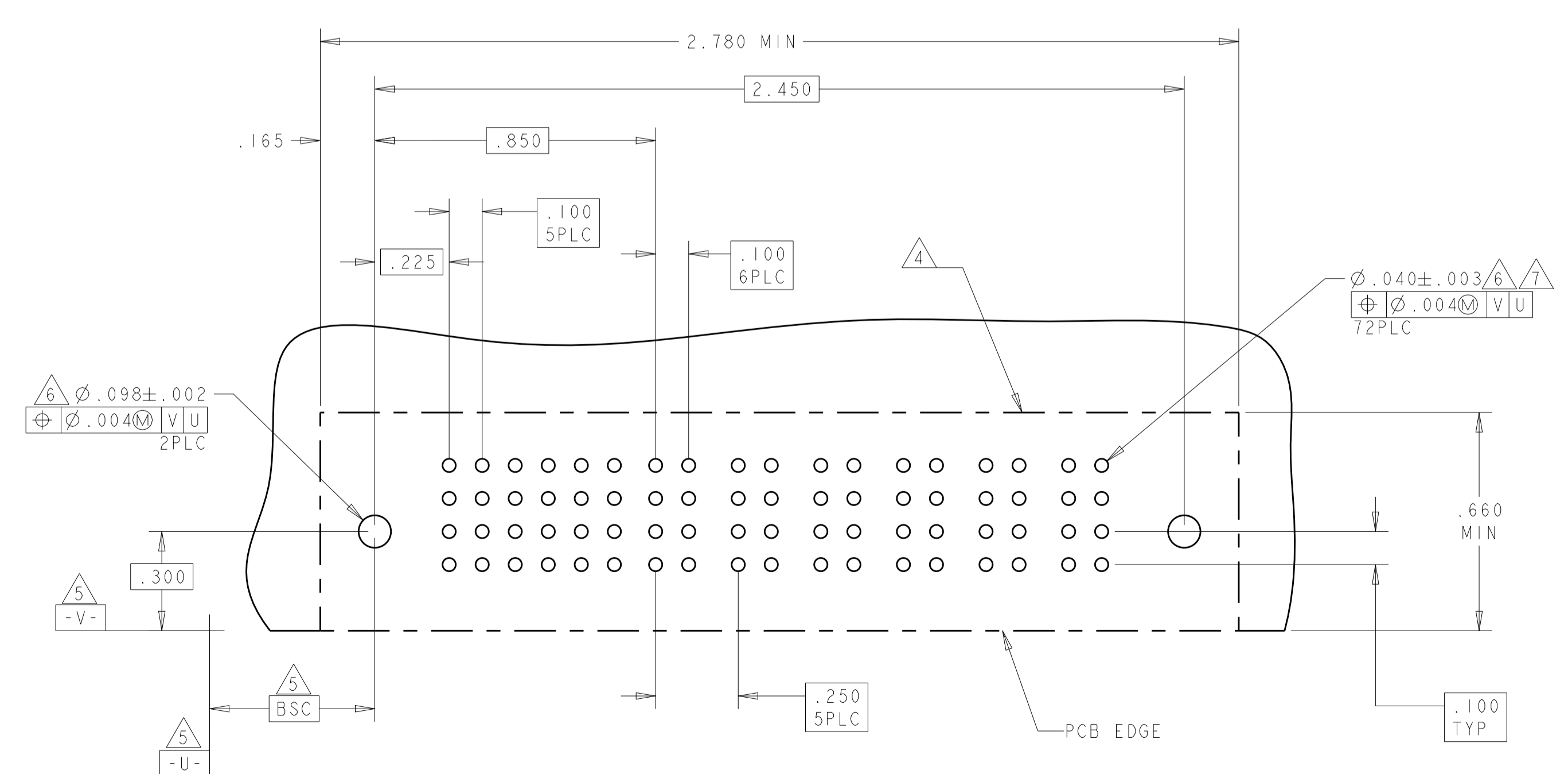
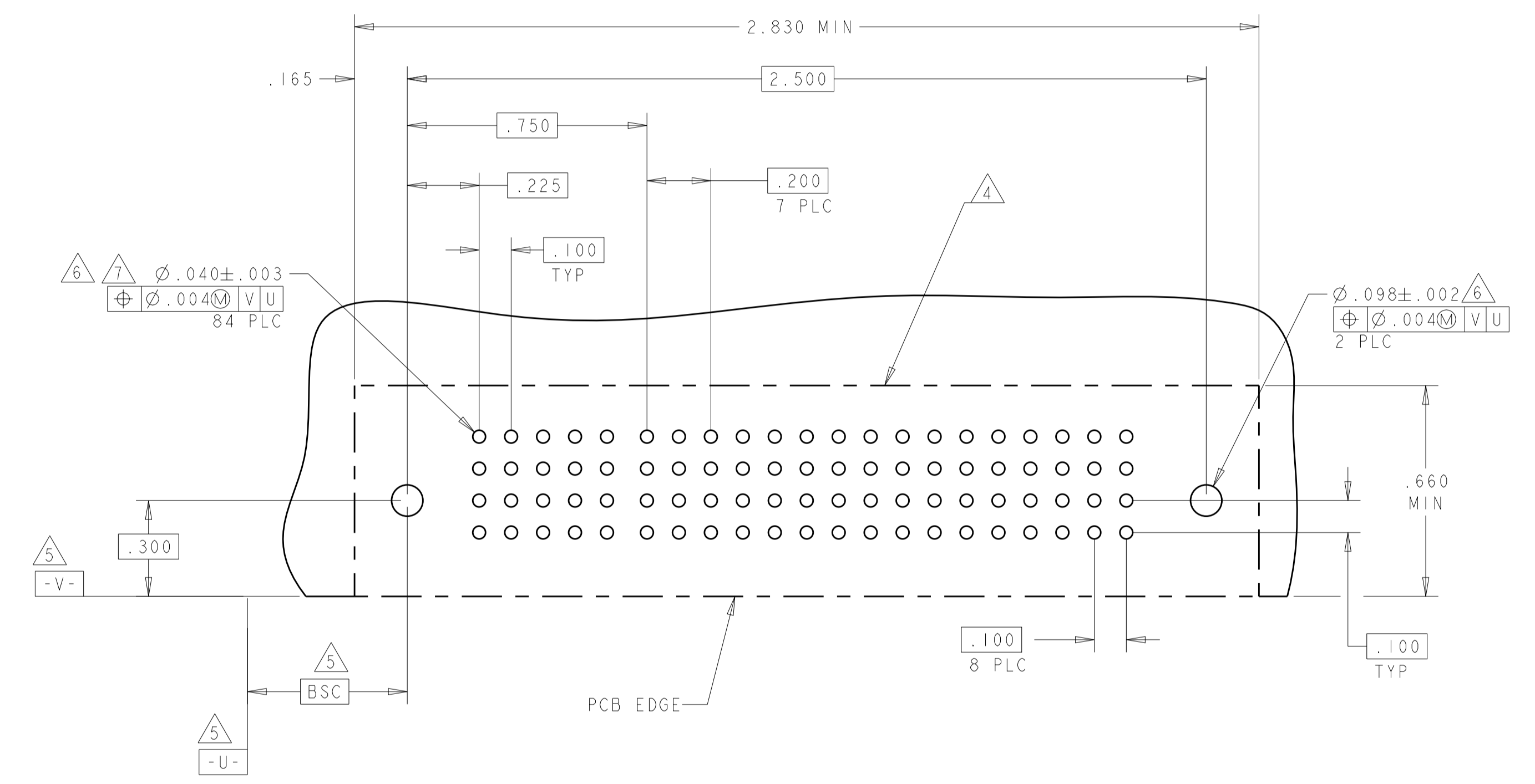
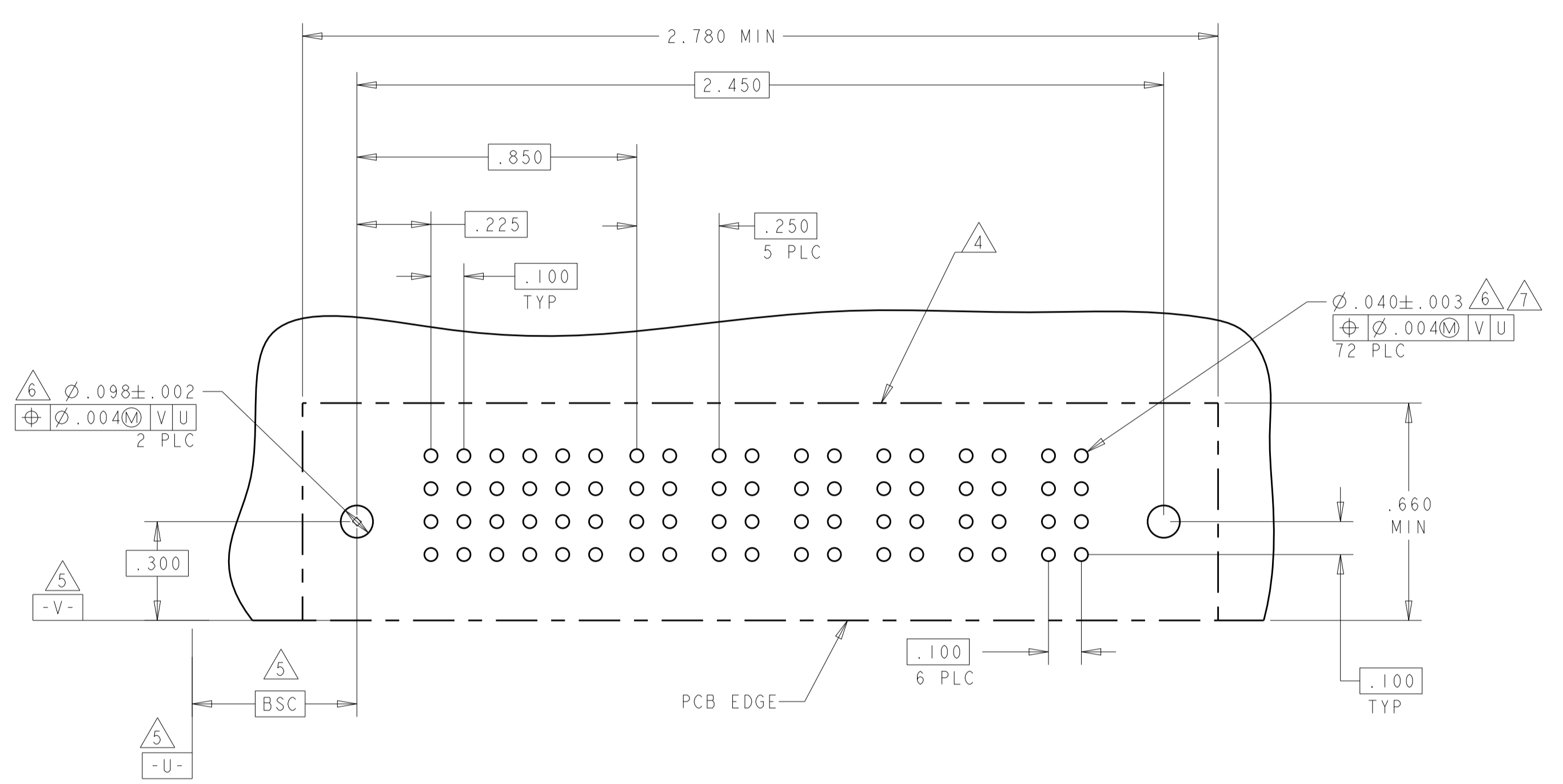
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN: R. GRZYBOWSKI 15FEB05	CHK: M. PERCHERKE 15FEB05	TE Connectivity	
INCHES	0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002	APVD: M. PERCHERKE	NAME: R. GRZYBOWSKI	RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL	
MATERIAL:	FINISH:	PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038	SIZE: A1	CAGE CODE: 6450131
		WEIGHT:	CUSTOMER DRAWING	SCALE: 1:1	SHEET 4 OF 9

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	

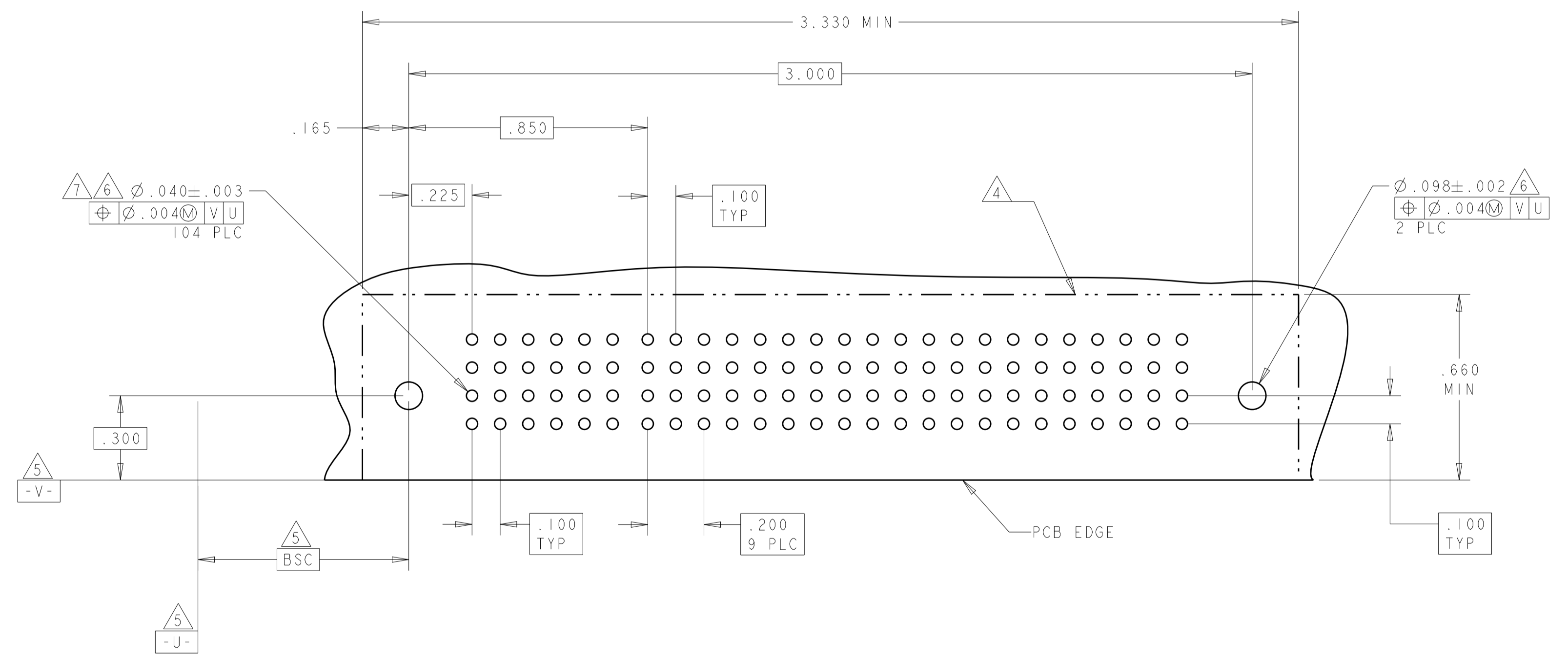


PART NUMBER	ROWS	SIGNAL						POWER							
		1	2	3	4	5	6	P1	P2	P3	P4	P5	P6		
1-6450131-6	D	J	J	J	J	J	E	PM	PM	PM	PM	PM	PM		
	C	K	K	K	K	K	K								
	B	N	N	N	N	N	N								
	A	H	S	S	S	S	S								
24S + 6P		HD												HD	

THIS DRAWING IS A CONTROLLED DOCUMENT. OWN: R. GRZYBOWSKI 15FEB05, CHK: M. PERCHERKE 15FEB05, APVD: M. PERCHERKE. NAME: RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL. DIMENSIONS: INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±, 1 PLC ±.01, 2 PLC ±.01, 3 PLC ±.005, 4 PLC ±.002, ANGLES ±.002. MATERIAL: FINISH: WEIGHT: CUSTOMER DRAWING. SCALE: 1:1. 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
1-6450131-7	D	J	J	J	J	J	J	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
	B	N	N	N	N	N	N	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
24S + 10HDP																	



THIS DRAWING IS A CONTROLLED DOCUMENT.

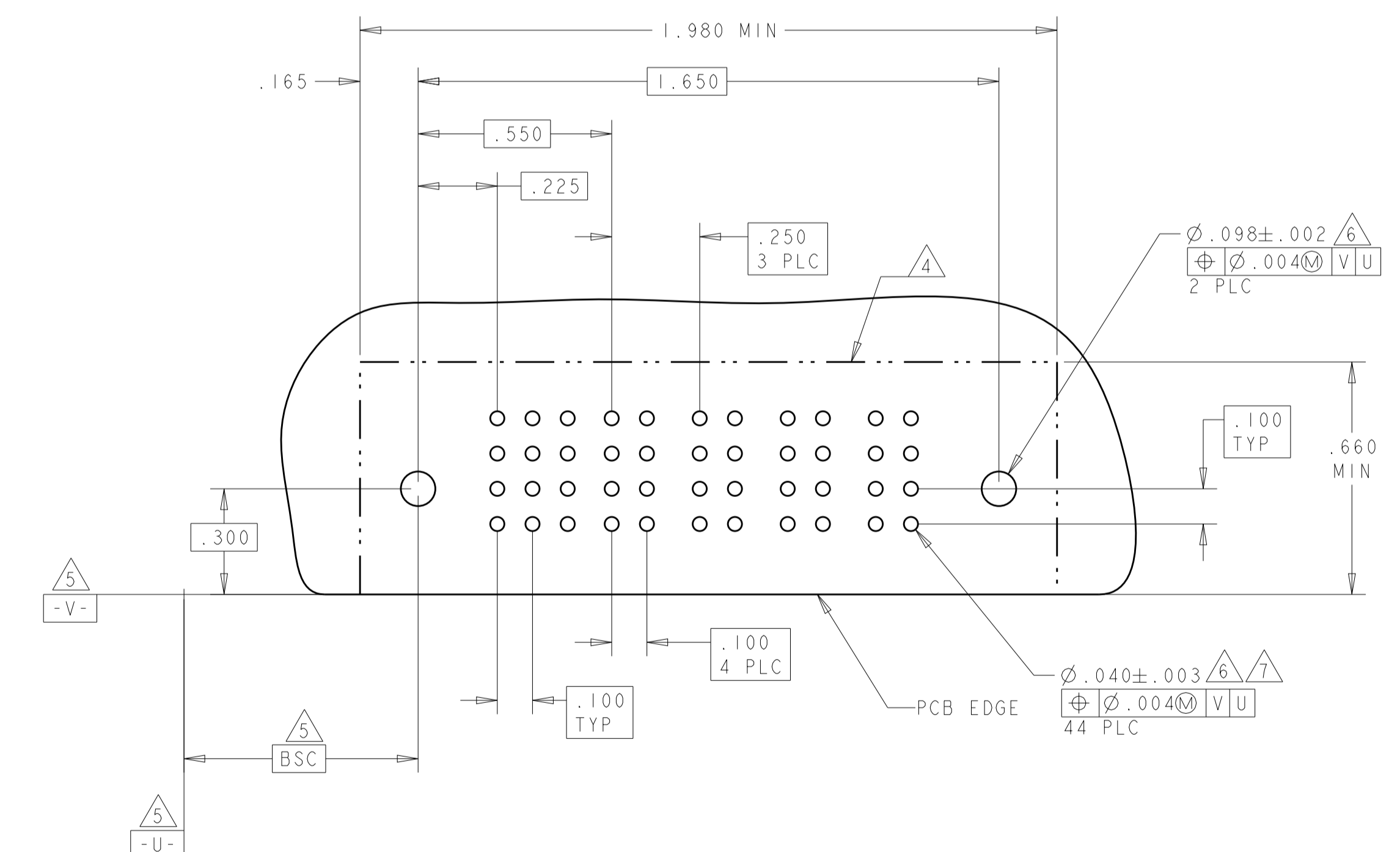
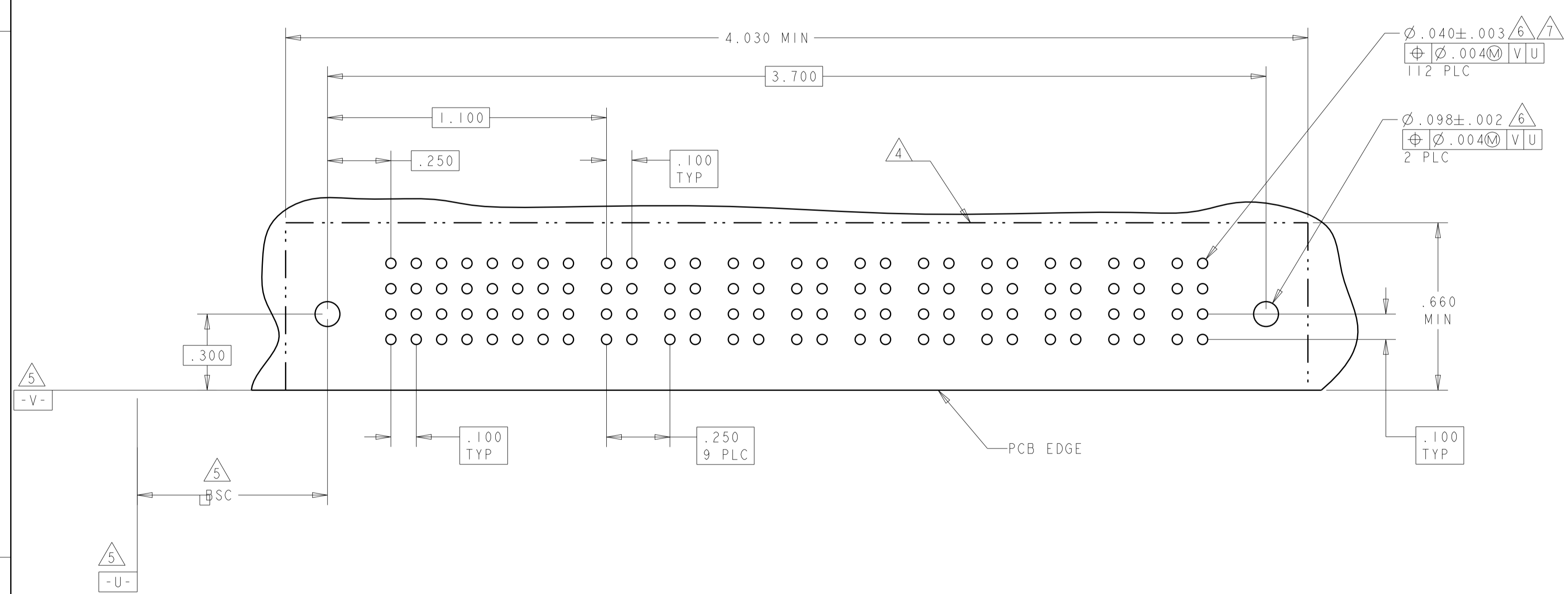
DWN: R. GRZYBOWSKI	15FEB05	TE Connectivity
CHK: M. PERCHERKE	15FEB05	
APVD: M. PERCHERKE		NAME: RIGHT ANGLE HEADER ASSY
DIMENSIONS: INCHES		PRODUCT SPEC: 108-1973
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC: 114-13038
0 PLC ±	1 PLC ±.01	SIZE: A1
2 PLC ±.01	3 PLC ±.005	CAGE CODE: 6450131
4 PLC ±.0020	ANGLES ±.2°	RESTRICTED TO:
MATERIAL:	FINISH:	WEIGHT:
CUSTOMER DRAWING		SCALE: 1:1
		SHEET: 6 OF 9
		REV: E9

LOC	DIST	REV	DATE	BY	APPD
ES	00				

REVISIONS					
REV	DATE	BY	APPD	DESCRIPTION	DATE
-	-	-	-	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	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
	C	K	K	K	F	F	K	K	K										
	B	N	N	N	G	G	N	N	N										
	A	S	S	S	S	S	S	S	S										
32S + 10P		HD		HD		HD		HD		HD		HD		HD		HD		HD	

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		HD		HD		HD		



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: R. GRZYBOWSKI 15FEB05
 CHK: M. PERCHERKE 15FEB05
 APVD: M. PERCHERKE

TE Connectivity

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

SIZE: CAGE CODE DRAWING NO: A100779C=6450131
 RESTRICTED TO: -

MATERIAL: -
 FINISH: -
 WEIGHT: -

CUSTOMER DRAWING SCALE: 1:1 SHEET 7 OF 9 REV: E9

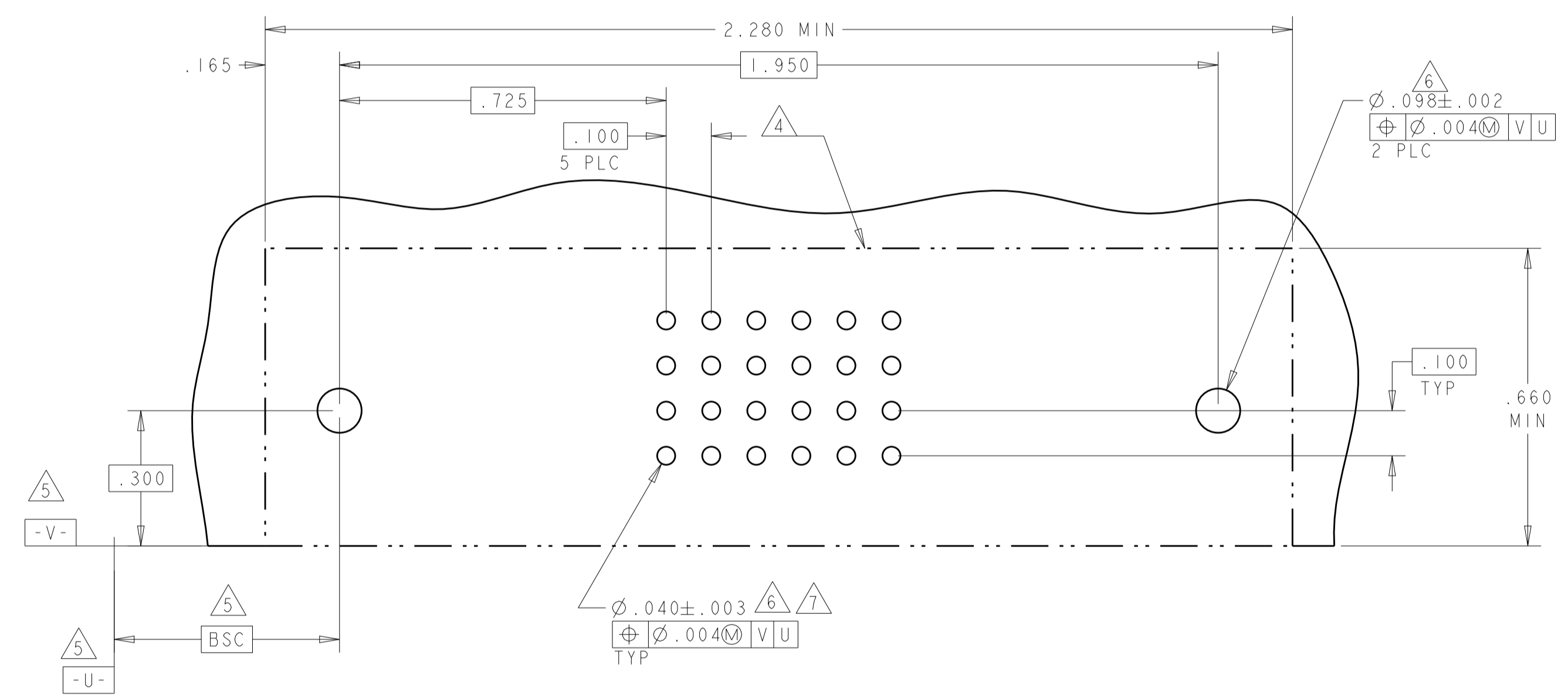
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
INCHES	0 PLC ±.01
	2 PLC ±.01
	3 PLC ±.01
	4 PLC ±.005
	5 PLC ±.002
	ANGLES ±.020
	FINISH #2*

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

PART NUMBER	ROWS	HD	POWER		SIGNAL						POWER		HD
			P1	P2	1	2	3	4	5	6	P3	P4	
2-6450131-1	D	A	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			

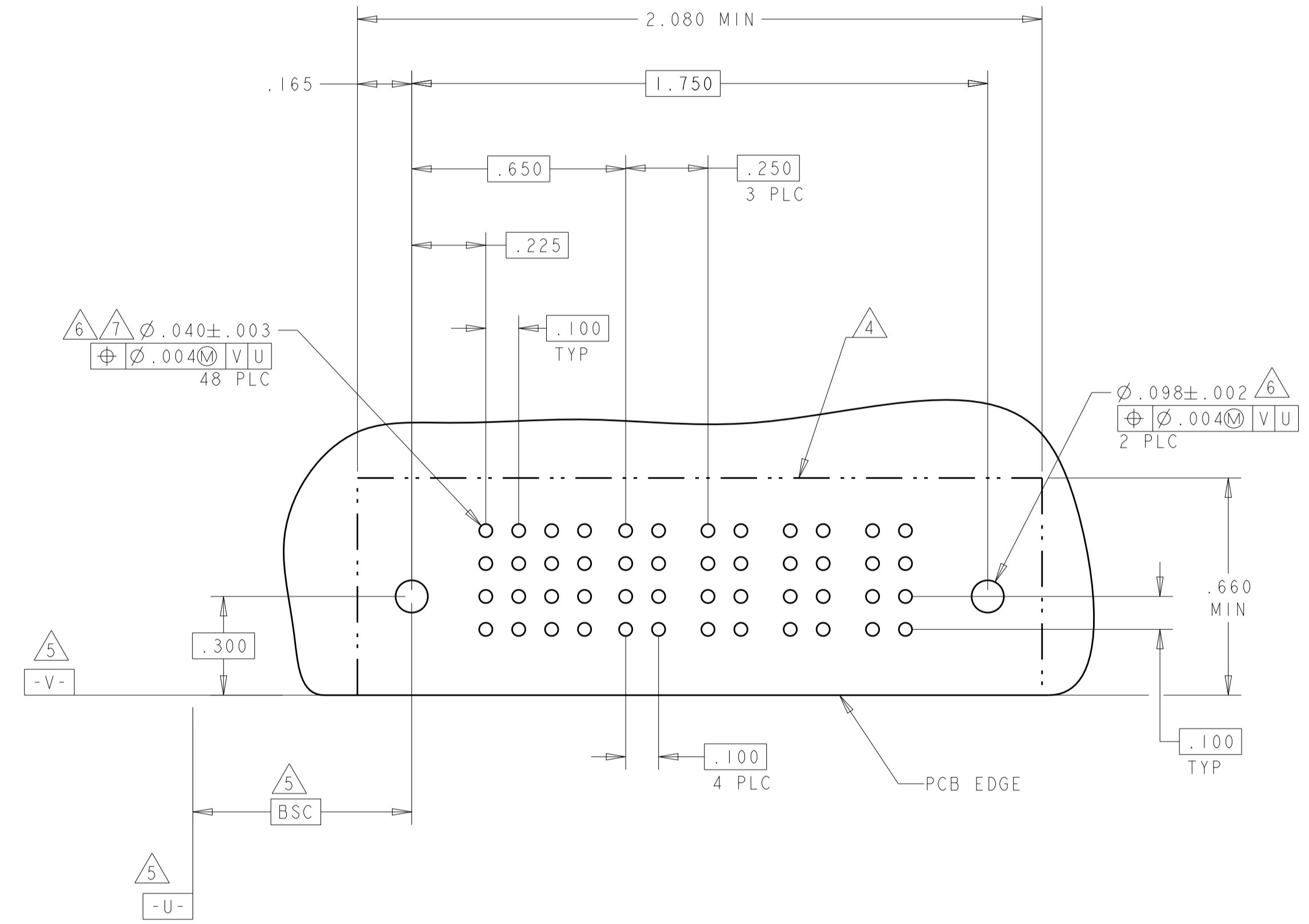
24S

NO CONTACT LOADED



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

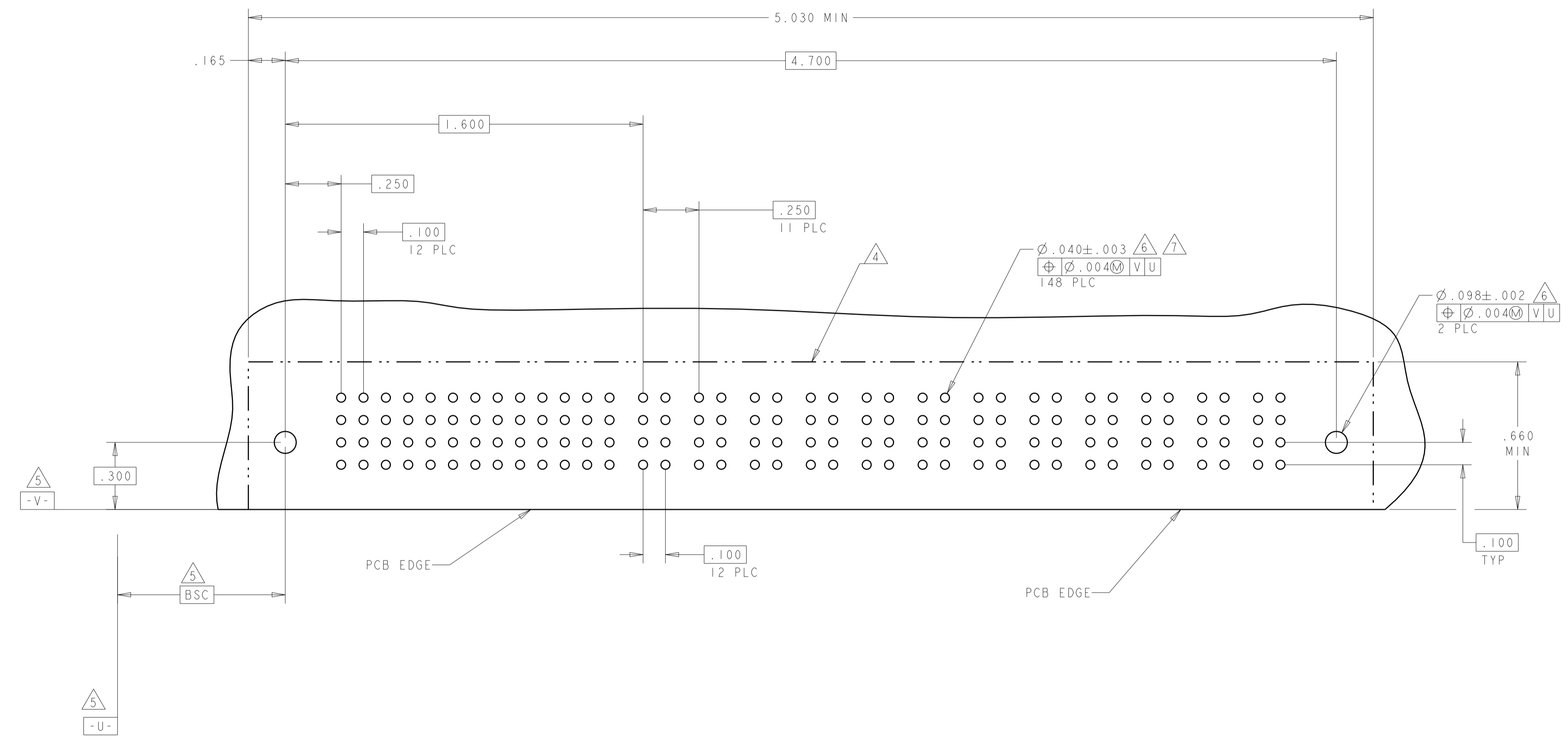
16S + 4P



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 ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.2°		PRODUCT SPEC 108-1973	RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL
MATERIAL FINISH		APPLICATION SPEC 114-13038	SIZE CAGE CODE DRAWING NO
		WEIGHT	A100779C=6450131
		CUSTOMER DRAWING	RESTRICTED TO
		SCALE 1:1	SHEET 8 OF 9
			REV E 9

LOC	DIST	REVISIONS			
P	LTN	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	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	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	
	B	N	N	N	N	N	G	G	N	N	N	N	N	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	
	A	S	S	S	S	S	S	S	S	S	S	S	S	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	
52S + 12P		HD												HD												



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 15FEB05	TE Connectivity
DIMENSIONS: INCHES		CHK M. PERCHERKE 15FEB05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	NAME RIGHT ANGLE HEADER ASSY SOLDER CONTACTS, W/GUIDES MULTI-BEAM XL
0 PLC ±. 2 PLC ±.01 3 PLC ±.01 4 PLC ±.0020 ANGLES ±.2°		PRODUCT SPEC 108-1973	SIZE 114-13038
MATERIAL		APPLICATION SPEC 114-13038	RESTRICTED TO
FINISH		WEIGHT	A100779C=6450131
CUSTOMER DRAWING		SCALE 1:1	SHEET 9 of 9

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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