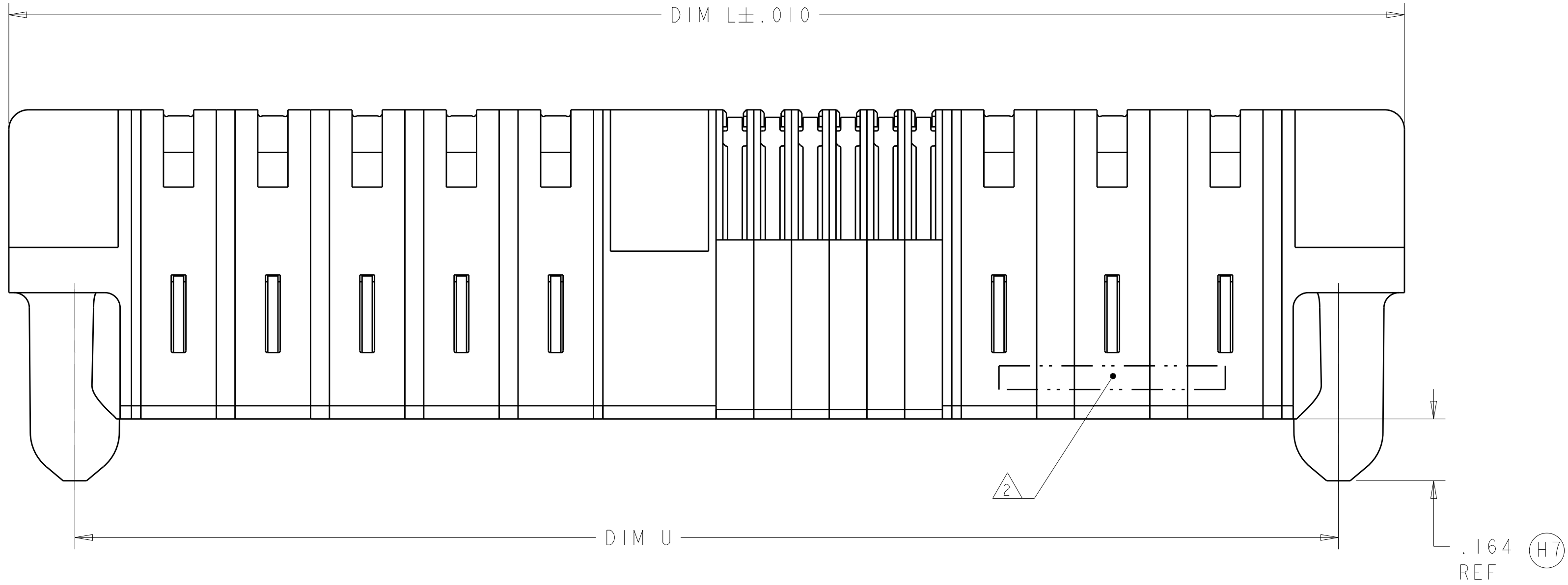
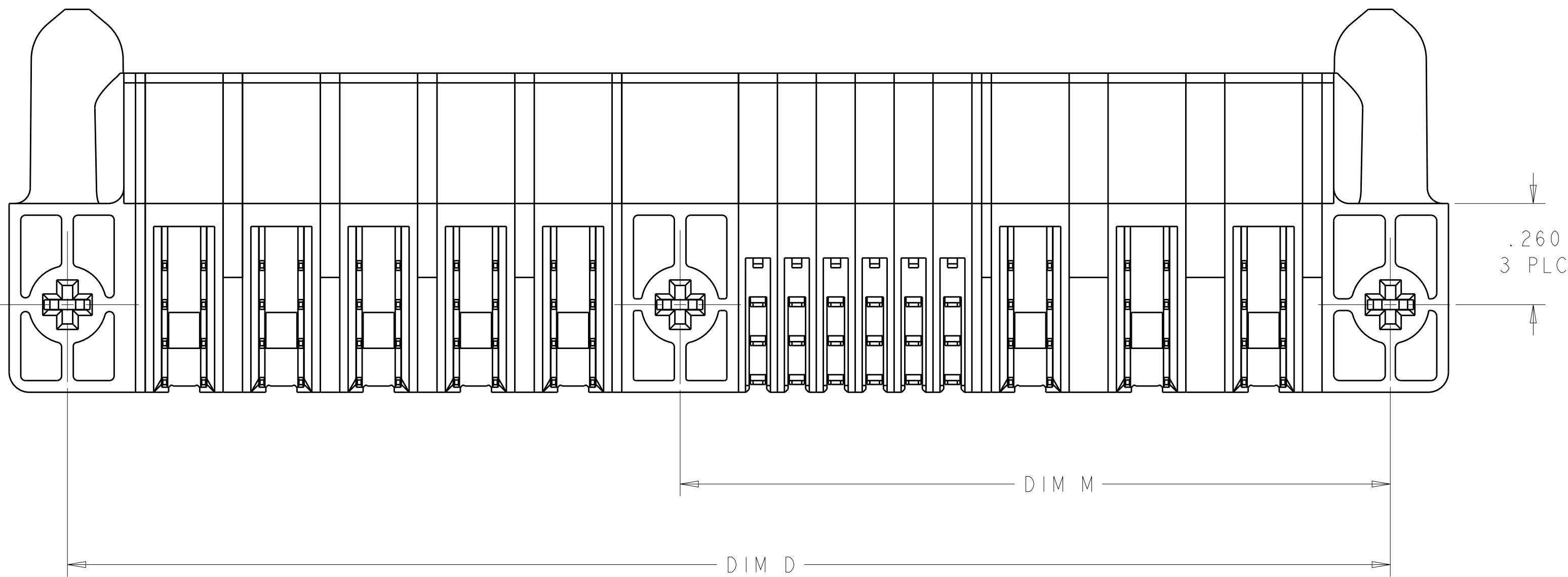
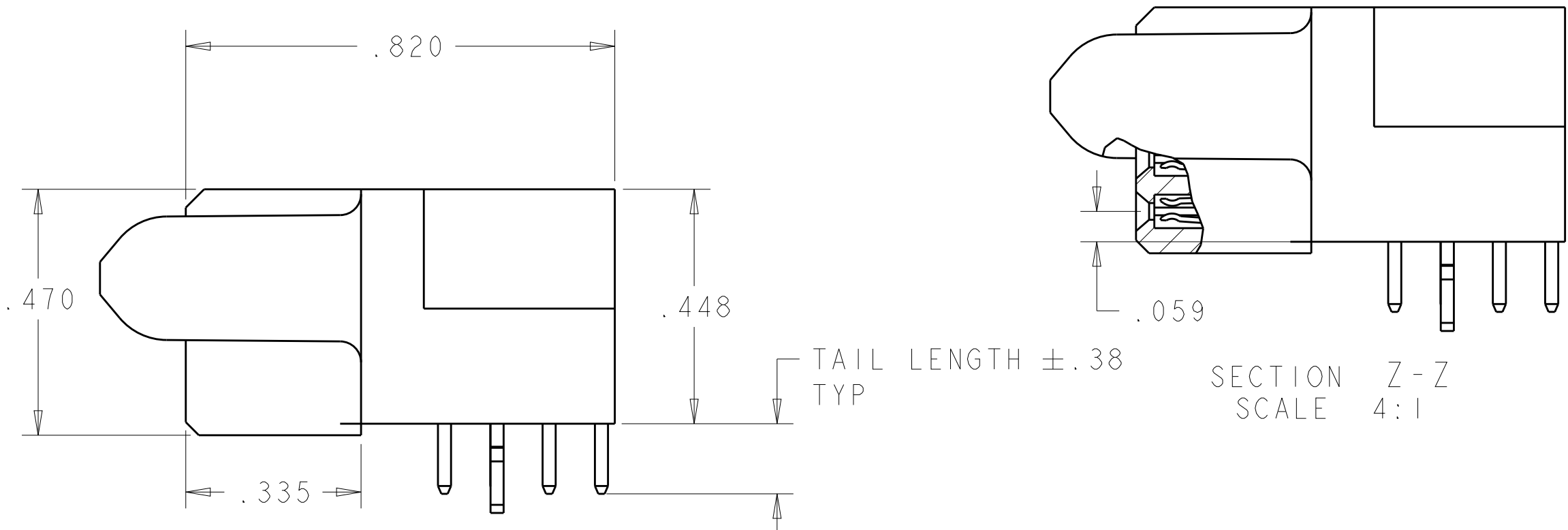
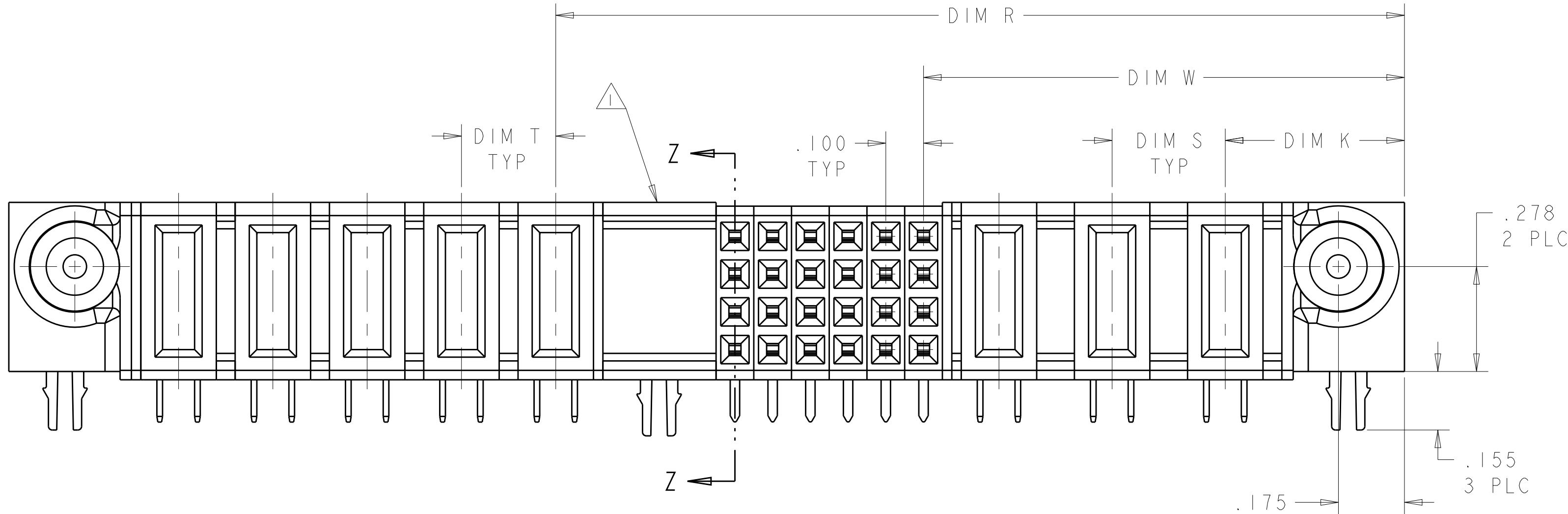


LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
ES	00		J1	REV PER ECR-12-016975	25SEP2012	CZ
			J3	ADDED NEW DASH NUMBER 4-0	01FEB2013	SZ
			J5	ADDED NEW DASH NUMBER 4-1	25FEB2014	SZ



- 1 OPTIONAL CENTER MODULE, WITH .150 THRU HOLE OR HOLD DOWN FEATURE.
- 2 "AMP", PART NUMBER AND DATE CODE TO BE MARKED
- 3 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0.
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 4 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS
- 5 MECHANICAL CONNECTOR KEEP OUT ZONE.
- 6 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 7 PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES
- 8 PCB - .0453±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 DIAMETER HOLE



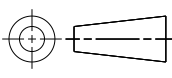
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 21FEB05	TE Connectivity	
		CHK M.PERCHEKKE 21FEB05		
DIMENSIONS: INCHES		APVD M.PERCHEKKE	NAME	
		PRODUCT SPEC	RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		108-1973		
		APPLICATION SPEC		
		114-13038		
MATERIAL		WEIGHT	A100779C=6450170	
		CUSTOMER DRAWING	SCALE 4:1 SHEET 1 OF 13 REV J5	

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

J4	2.650	.200	.250	1.550	.875	2.700	-	3.000	.450	2P + 24S + 6P	4-6450170-1
	3.100	.250	.250	2.250	1.875	3.150	-	3.450	.450	6P + 12S + 4P	4-6450170-0
	1.900	.250	.300	1.550	1.275	1.950	-	2.250	.475	3ACP + 8S + 2P	3-6450170-9
	1.800	-	-	1.700	.625	1.850	-	2.150	.450	1P + 40S + 1P	3-6450170-8
	1.600	-	-	1.500	.625	1.650	-	1.950	.450	1P + 32S + 1P	3-6450170-7
	1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	3-6450170-6
	1.550	.250	.250	1.200	.900	1.600	-	1.900	.450	2P + 8S + 2P	3-6450170-5
	2.350	.250	.250	1.250	.875	2.400	-	2.700	.450	2P + 12S + 5P	3-6450170-4
	2.325	.250	.300	1.975	1.600	2.375	-	2.675	.450	4ACP + 12S + 2P	3-6450170-3
	1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	3-6450170-1
	2.300	.250	.300	1.950	1.275	2.350	-	2.650	.450	3ACP + 24S + 2P	3-6450170-0
	2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	2-6450170-9
	2.300	.250	.300	1.950	1.275	2.350	-	2.650	.450	3ACP + 24S + 2P	2-6450170-8
	2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	2-6450170-7
	1.950	.250	.250	1.600	1.125	2.000	-	2.300	.450	3P + 16S + 2P	2-6450170-6
	1.300	-	-	1.200	.675	1.350	-	1.650	.450	1P + 16S + 1P	2-6450170-0
	2.200	.250	.250	1.350	.875	2.250	-	2.550	.450	2P + 16S + 4P	1-6450170-9
	2.800	.300	.250	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	1-6450170-8
	3.000	.250	.250	2.150	1.425	3.050	-	3.350	.450	4P + 24S + 4P	1-6450170-4
	2.600	.200	.200	1.925	1.175	2.650	-	2.950	.425	4P + 28S + 4P	1-6450170-1
	1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	1-6450170-0
	2.500	.250	.250	2.150	.875	2.550	-	2.850	.450	2P + 48S + 2P	6450170-9
	3.300	.250	.300	1.950	1.275	3.350	-	3.650	.475	3ACP +24S + 6P	6450170-8
	1.400	.250	.250	1.300	.625	1.450	-	1.750	.450	1P + 24S + 1P	6450170-6
	2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	6450170-5
	4.350	.250	.250	3.500	2.625	4.400	-	4.700	.450	9P + 32S + 4P	6450170-4
	3.650	.250	.300	2.550	1.275	3.700	-	4.000	.475	3ACP + 48S + 5P	6450170-3
	3.050	.250	.300	1.950	1.275	3.100	-	3.400	.475	3ACP +24S + 5P	6450170-2
	2.550	.250	.300	2.200	1.525	2.600	-	2.900	.475	3ACP+1P+24S+2P	6450170-1
	DIM U	DIM T	DIM S	DIM R	DIM W	DIM D	DIM M	DIM L	DIM K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES



MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC
1 PLC
2 PLC
3 PLC
4 PLC
ANGLES
FINISH

±"
±.01
±.005
±.0020
#2°
-

DWN
R.GRZYBOWSKI

CHK
M.PERCHEKKE

APVD
M.PERCHEKKE

PRODUCT SPEC
108-1973

APPLICATION SPEC
114-13038

WEIGHT
-

CUSTOMER DRAWING

21FEB05

21FEB05

-

NAME
RIGHT ANGLE RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

SIZE
A1

CAGE CODE
100779

DRAWING NO
6450170

RESTRICTED TO
-

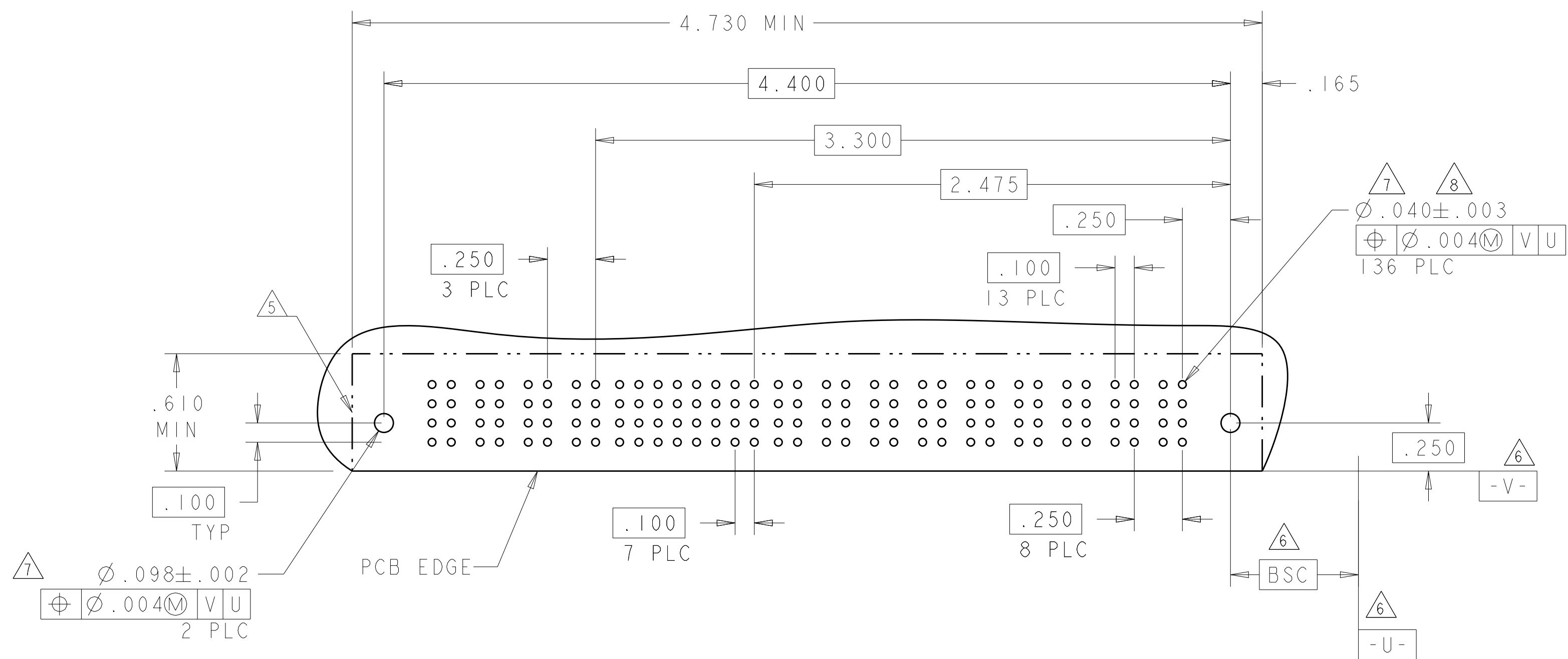
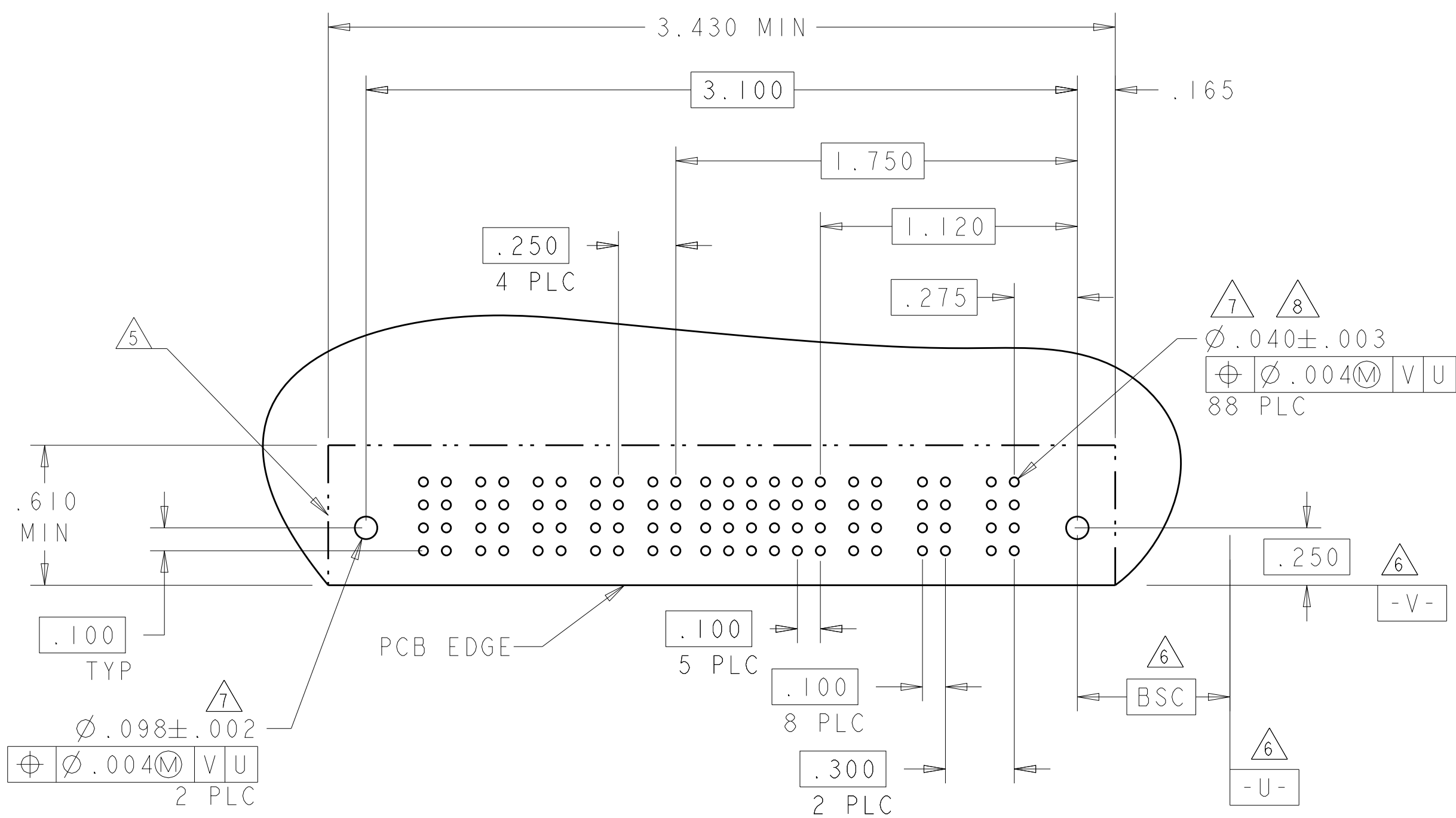
SCALE
4:1

SHEET
2

OF
13

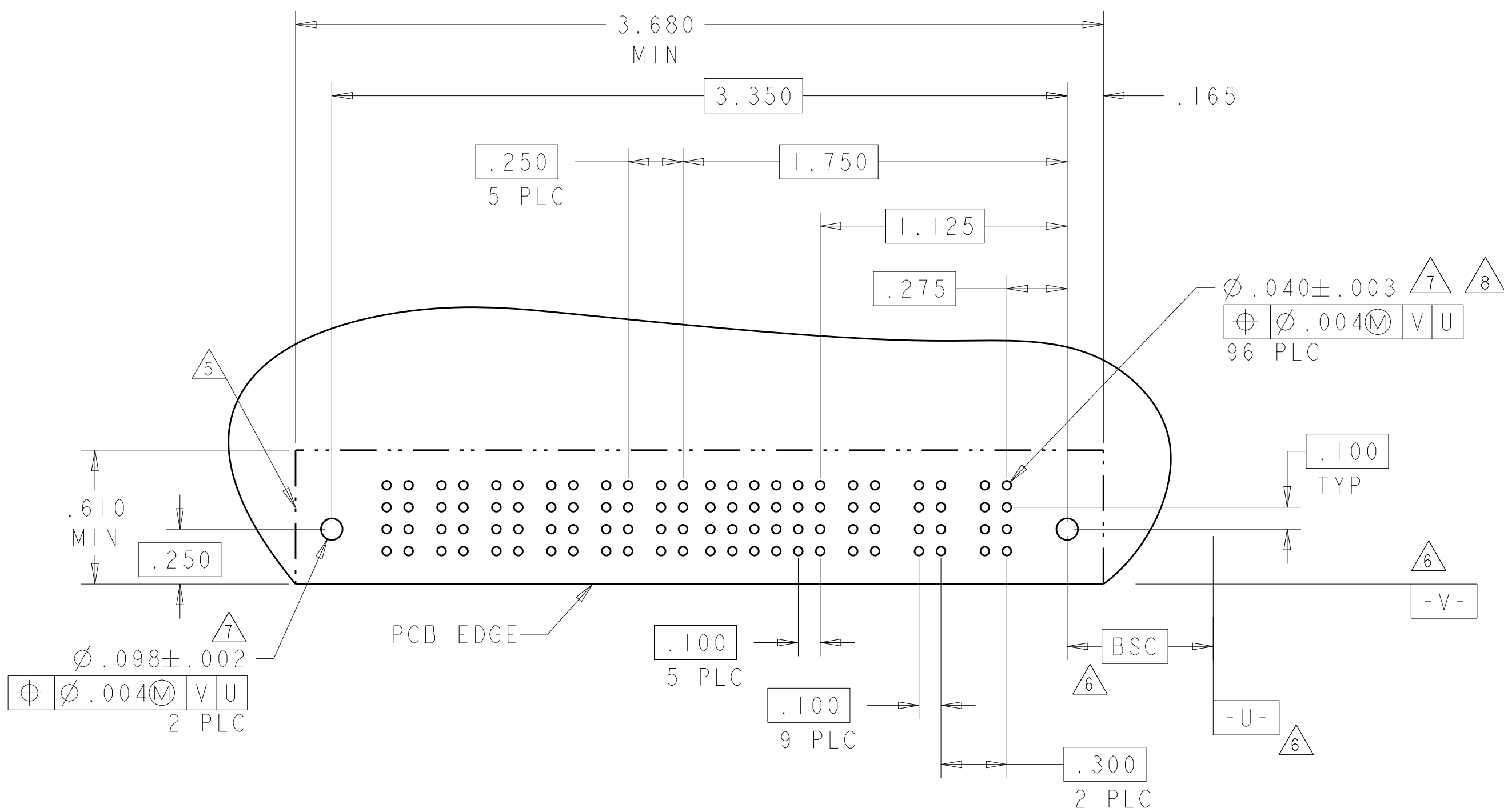
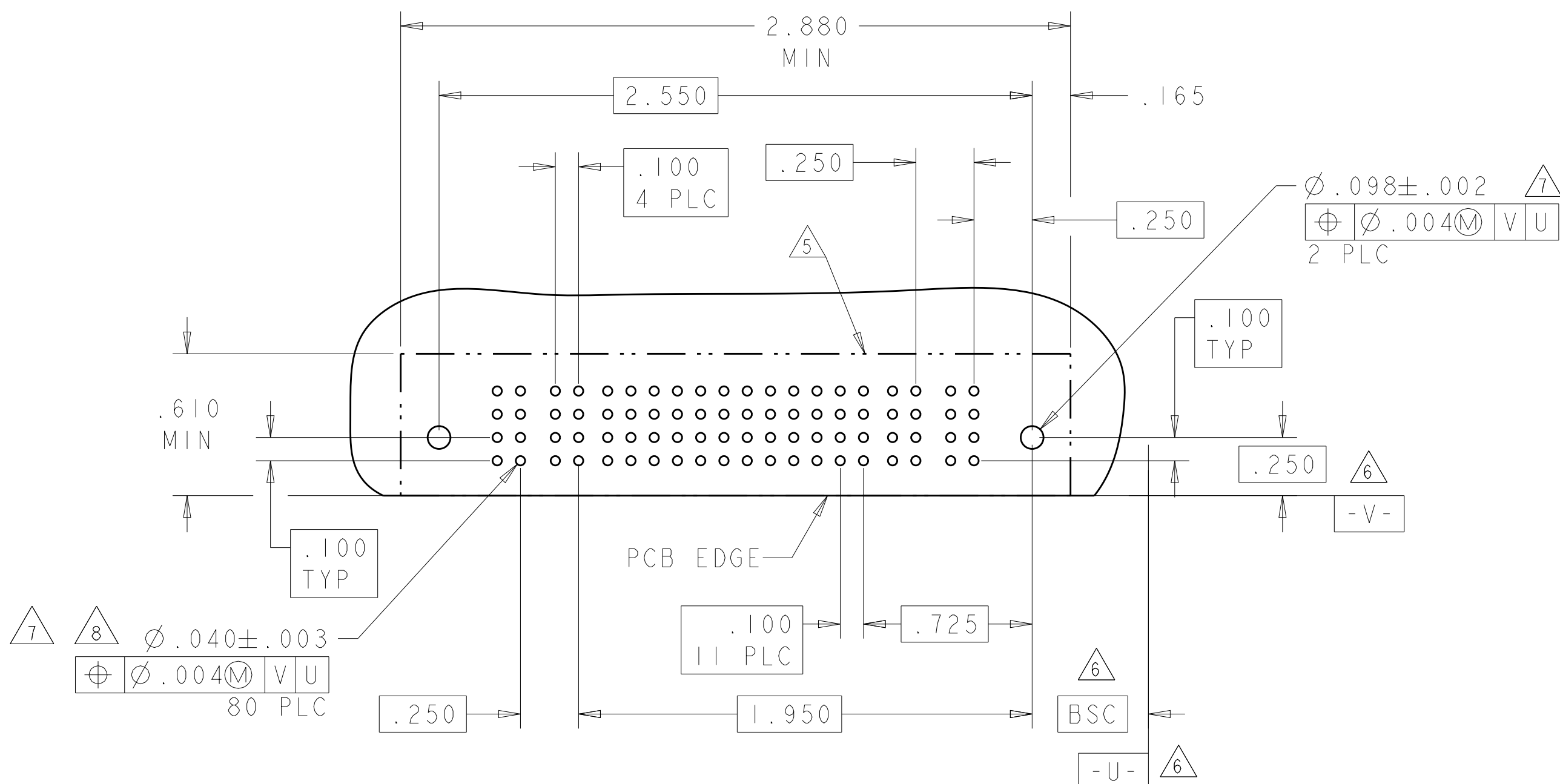
REV
J5

4805 (3/11)



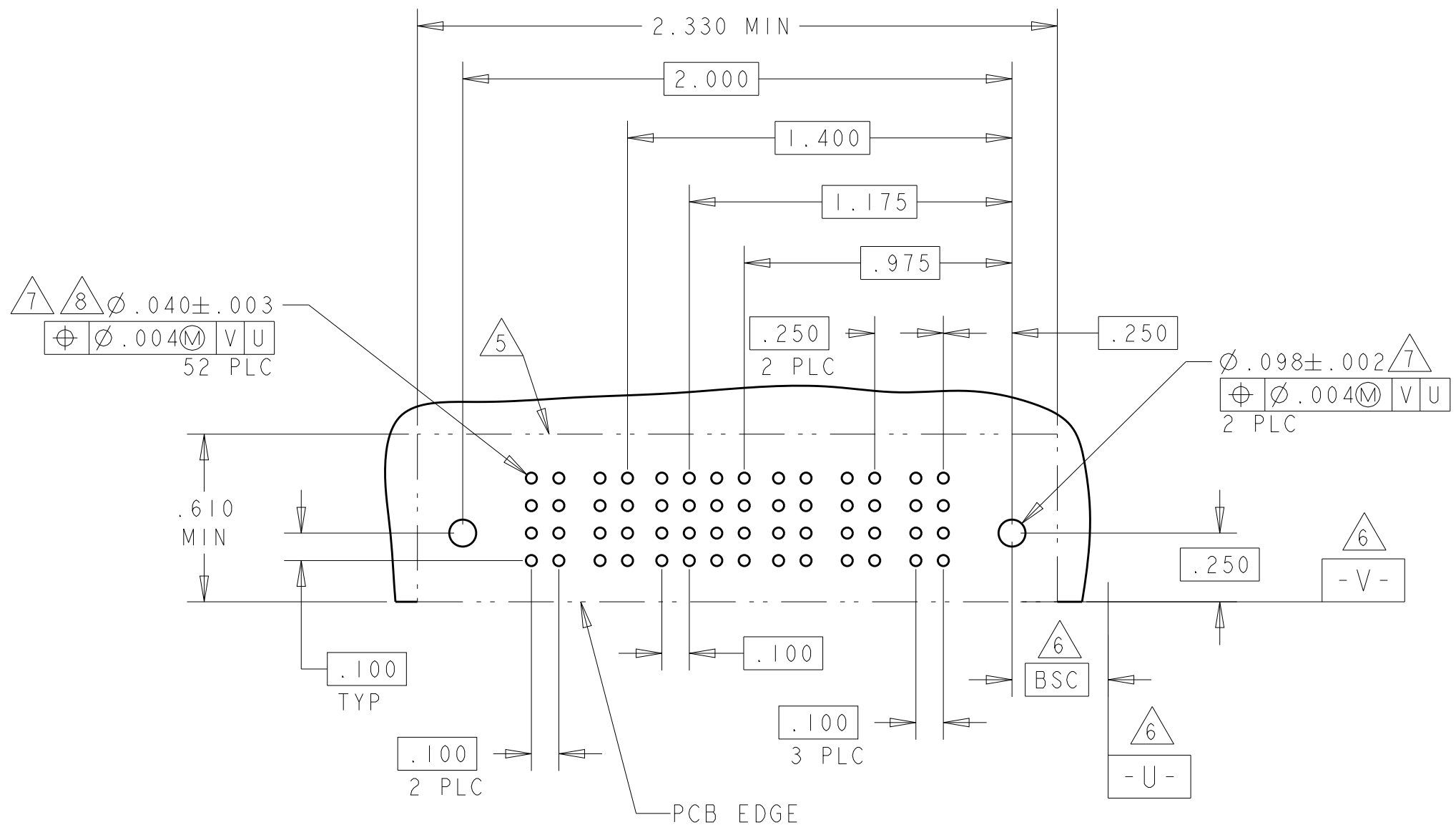
THIS DRAWING IS A CONTROLLED DOCUMENT.						OWN GRZYBOWSKI		ZTFEB05	
						CHK M PERCHERKE		ZTFEB05	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:				APP'D M PERCHERKE		NAME	
INCHES						PRODUCT SPEC		RIGHT ANGLE RECEPTACLE ASSEMBLY	
		Ø PLG ± PLG ± PLG ±.01 PLG ±.005 PLG ±.002 ANGLES °				108-1973		WITH GUIDES	
						APPLICATION SPEC		MULTI-BEAM XL	
						114-13038			
MATERIAL		FINISH		WEIGHT		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
-		-		-		A100779	C=6450170		
CUSTOMER DRAWING						SCALE	1:1	SHEET	3 OF 13
						REV. 1			

PART NUMBER	ROWS		POWER						SIGNAL						POWER									
			P9	P8	P7	P6	P5	P4	6	5	4	3	2	1	P3	P2	P1							
6450170-8	D C B A																							
3ACP + 24S + 6P																								

[illegible]4805 (3/11)

PART NUMBER	ROWS		POWER		SIGNAL				POWER			
			P5	P4	4	3	2	1	P3	P2	P1	
2-6450170-6	D				H	H	H	H				
	C				G	G	G	G				
	B				F	F	F	F				
	A				E	E	E	E				
3P + 16S + 2P												

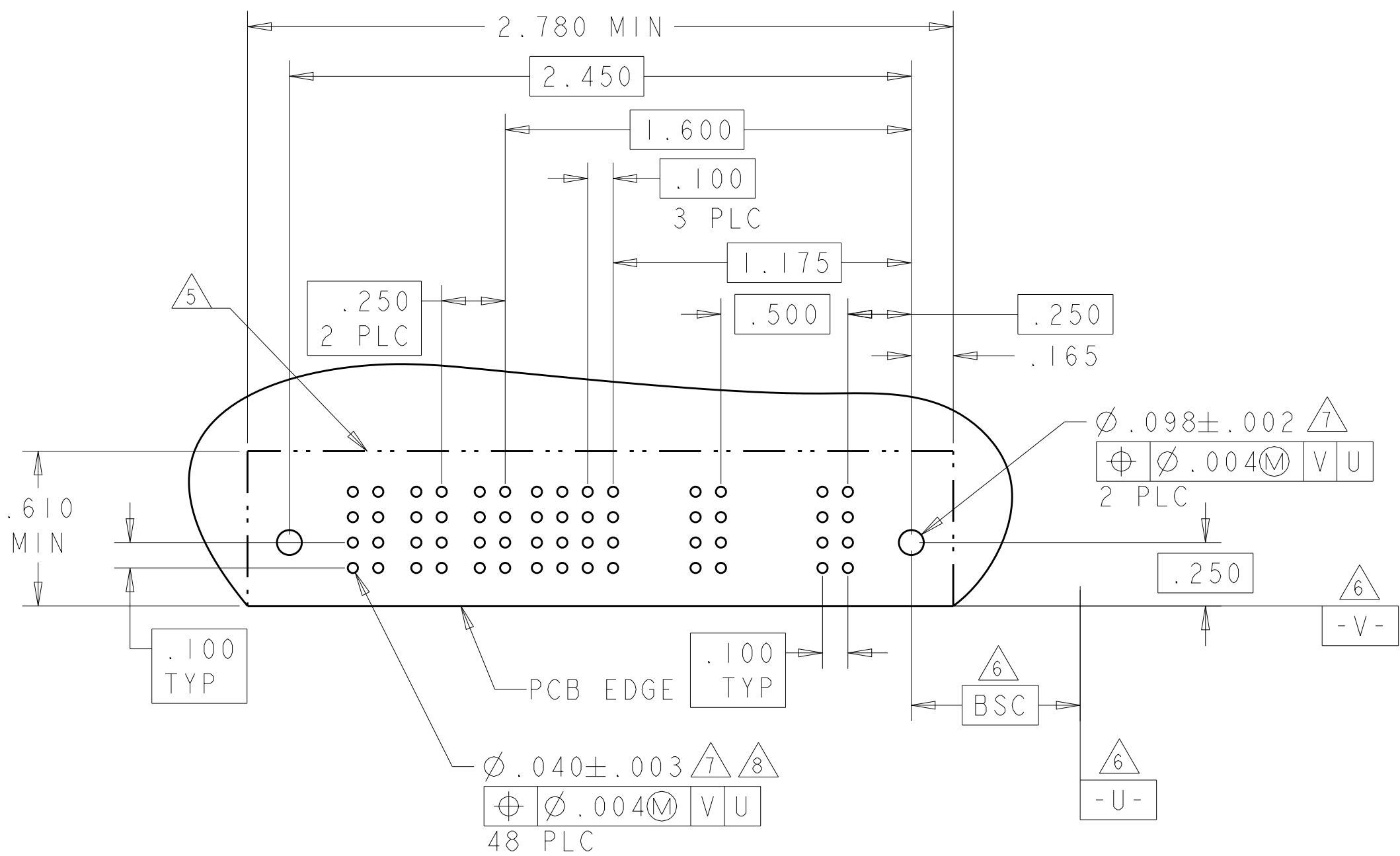
NO CONTACTS LOADED



PART NUMBER	ROWS		POWER			SIGNAL							POWER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			P6	P5	P4	6	5	4	3	2	1	P3	P2	P1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
2-6450170-7	D C B A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
3P + 24S + 3P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

PART NUMBER	ROWS		POWER			SIGNAL							POWER						
			P6	P5	P4	6	5	4	3	2	1	P3	P2	P1					
2-6450170-9	D C B A		RM	RM	RA	H G F E	H G F E	H G F E						RM		RM			
3P + 24S + 3P																	HD		

NO CONTACTS LOADED

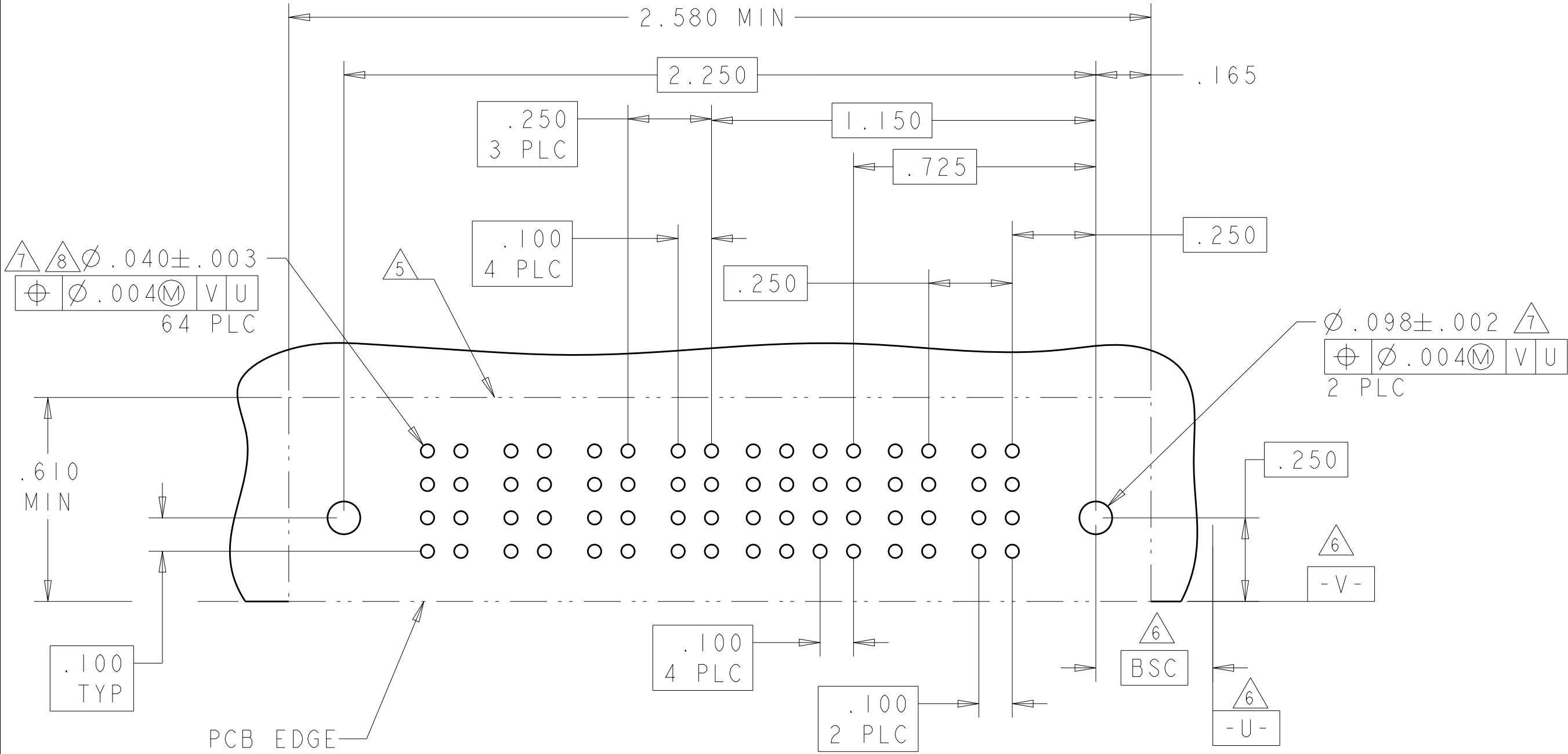


2-6450170-7 & 2-6450170-9 PCB LAYOUT

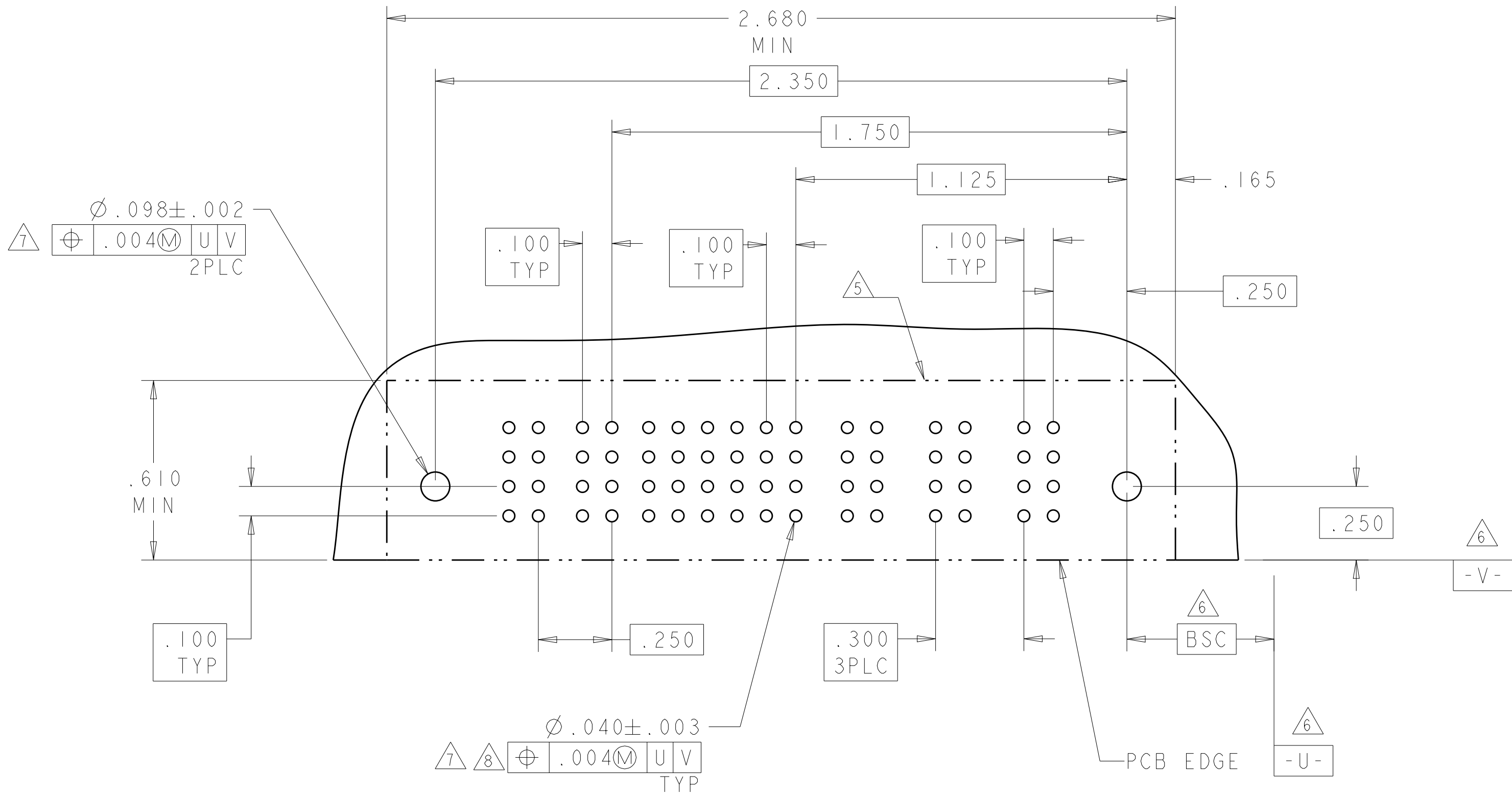
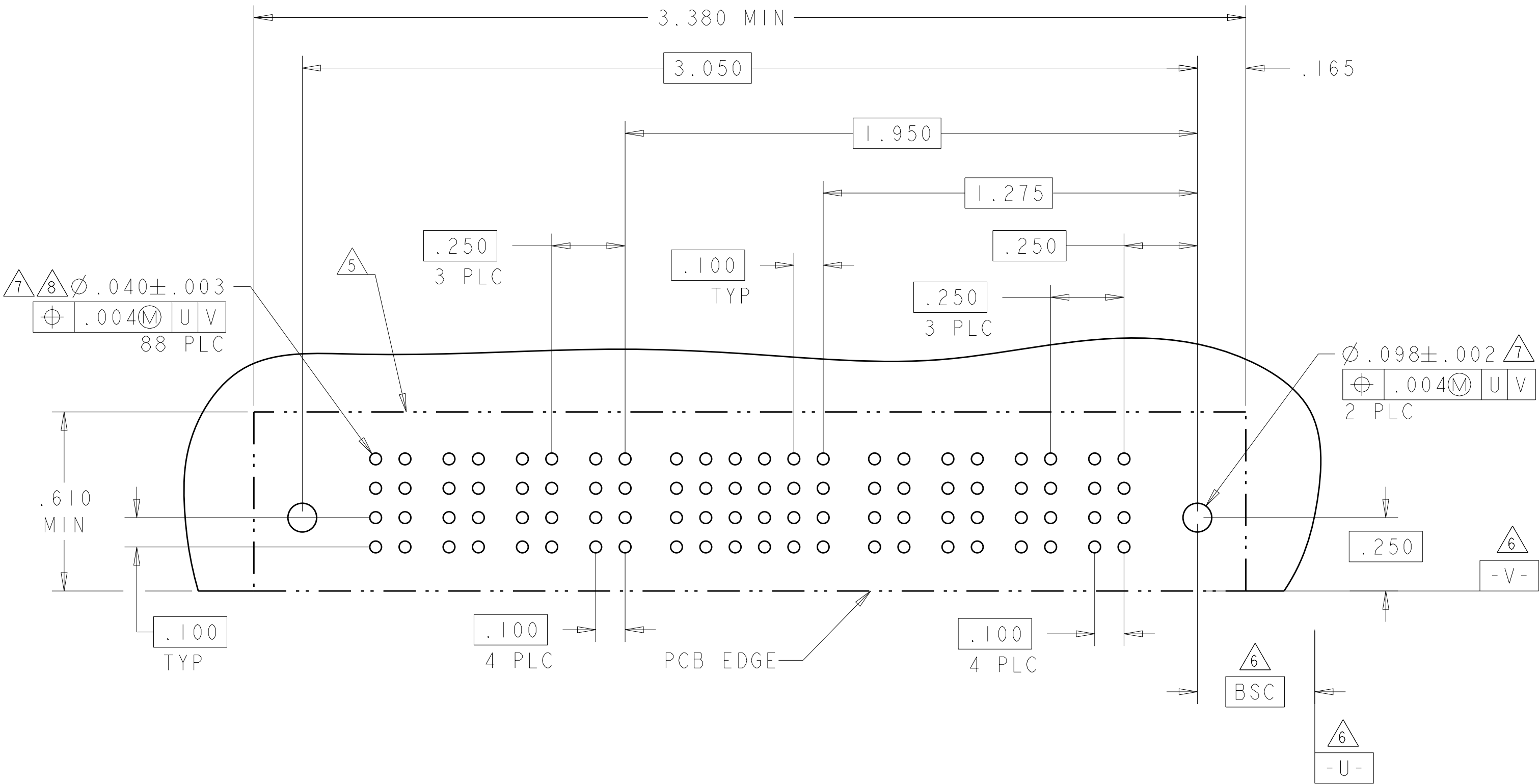
4805 (3/11)

LOC		DIST		REVISONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	

PART NUMBER	ROWS		POWER				SIGNAL				POWER		
			P6	P5	P4	P3	4	3	2	1	P2	P1	
1-6450170-9	D		RA	RA	RM	RM	H	H	H	H	RM	RA	
	C						G	G	G	G			
	B						F	F	F	F			
	A						E	E	E	E			
2P + 16S + 4P													



PART NUMBER	ROWS		POWER				SIGNAL						POWER					
			P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1		
1-6450170-4	D C B A	 HD	 RA	 RA	 RA	 RA	H	H	H	H	H	H	 RA	 RA	 RA	 RA	 RA	HD
							G	G	G	G	G	G						
							F	F	F	F	F	F						
							E	E	E	E	E	E						
4P + 24S + 4P																		HD



PART NUMBER	ROWS		POWER		SIGNAL						AC POWER			
			P5	P4	6	5	4	3	2	1	P3	P2	P1	
2-6450170-8	D		RA	RA	H	H	H	H	H	H	RA	RM	RM	
	C				G	G	G	G	G	G				
	B				F	F	F	F	F	F				
	A				E	E	E	E	E	E				
3ACP + 24S + 2P														

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN R.GRZYBOWSKI 21FEB05
CHK M.PERCHEKKE 21FEB05
APVD M.PERCHEKKE

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

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

CUSTOMER DRAWING

NAME

RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE

A1

CAGE CODE

00779

DRAWING NO

6450170

RESTRICTED TO

SCALE

4:1

SHEET

6

OF

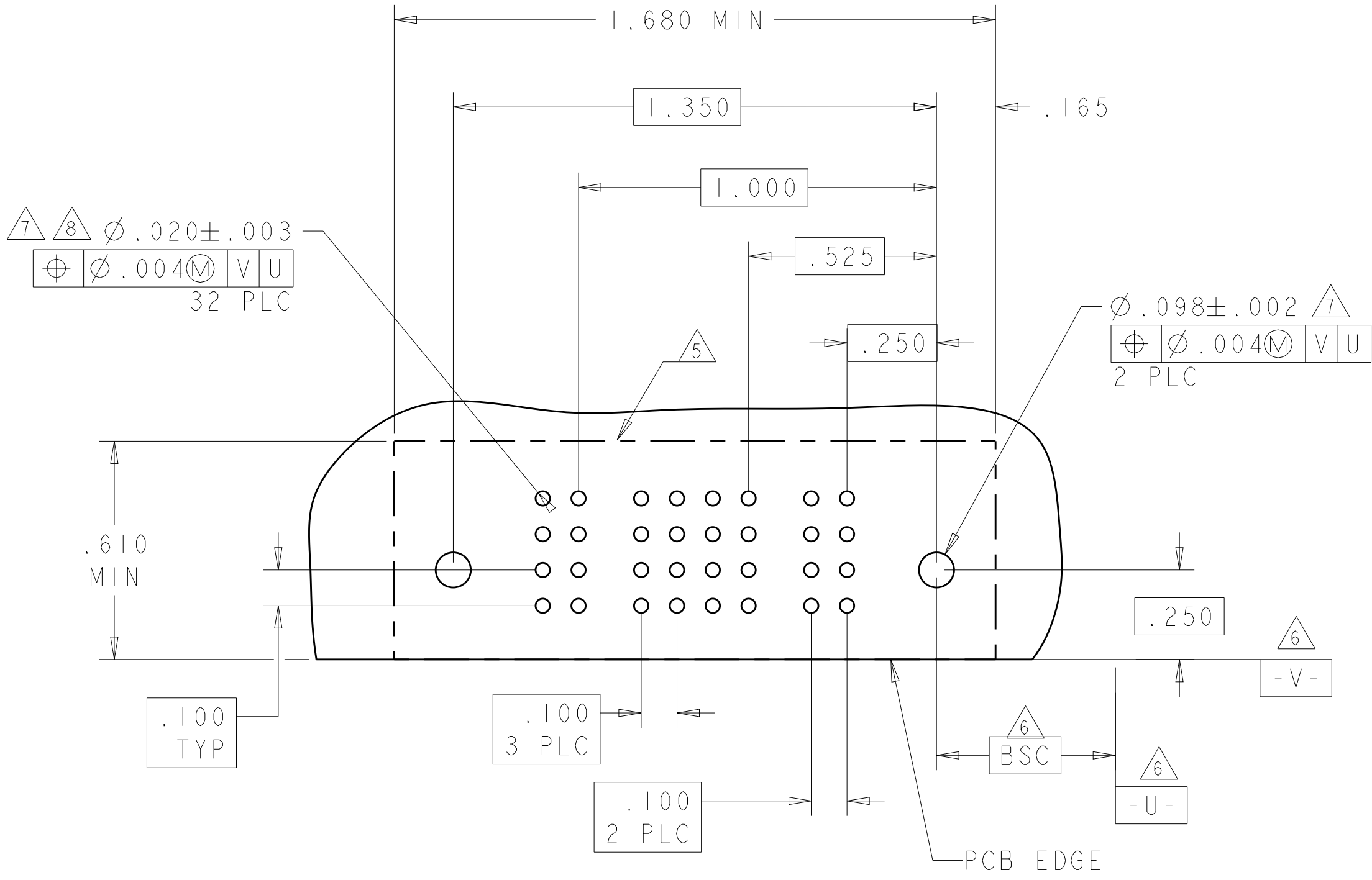
13

REV

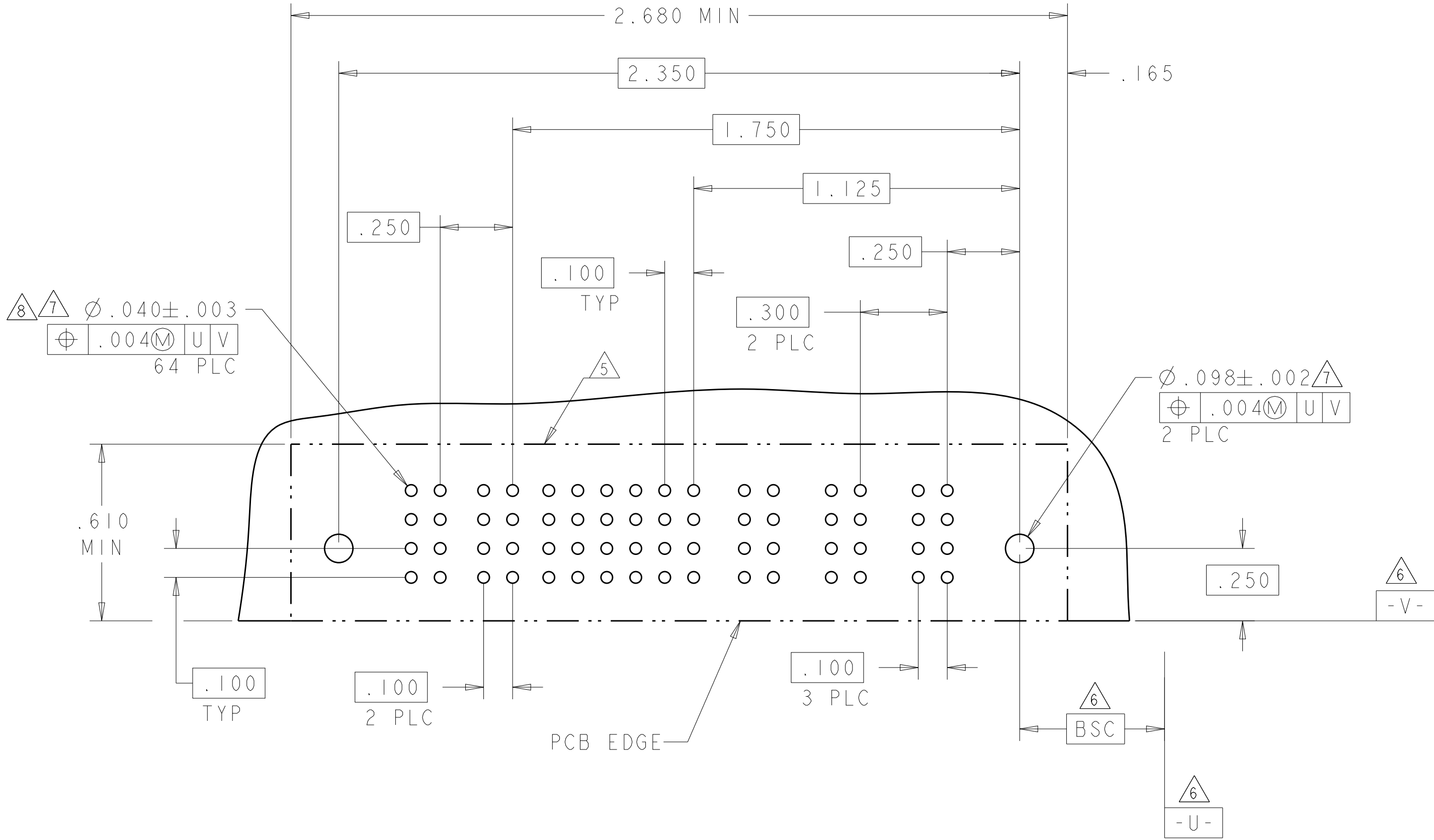
J5

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

PART NUMBER	ROWS		POWER	SIGNAL				POWER	
			P2	4	3	2	1	P1	
2-6450170-0	D C B A		RM	H	H	H	H	RM	
				G	G	G	G		
				F	F	F	F		
IP + 16S + IP		HD		E	E	E	E		HD



PART NUMBER	ROWS		POWER		SIGNAL							AC POWER			
			P5	P4	6	5	4	3	2	1	P3	P2	P1		
3-6450170-0	D C B A				H	H	H	H	H	H					
					G	G	G	G	G	G					
					F	F	F	F	F	F					
					E	E	E	E	E	E					
3ACP + 24S + 2P															



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: R.GRZYBOWSKI 21FEB05
CHK: M.PERCHEKKE 21FEB05
APVD: M.PERCHEKKE

NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.0020
ANGLES ±2°
FINISH

MATERIAL: -

WEIGHT: -

CUSTOMER DRAWING

PRODUCT SPEC: 108-1973

APPLICATION SPEC: 114-13038

SIZE: A100779

CAGE CODE: 6450170

SCALE: 4:1

SHEET: 7 OF 13

REV: J5

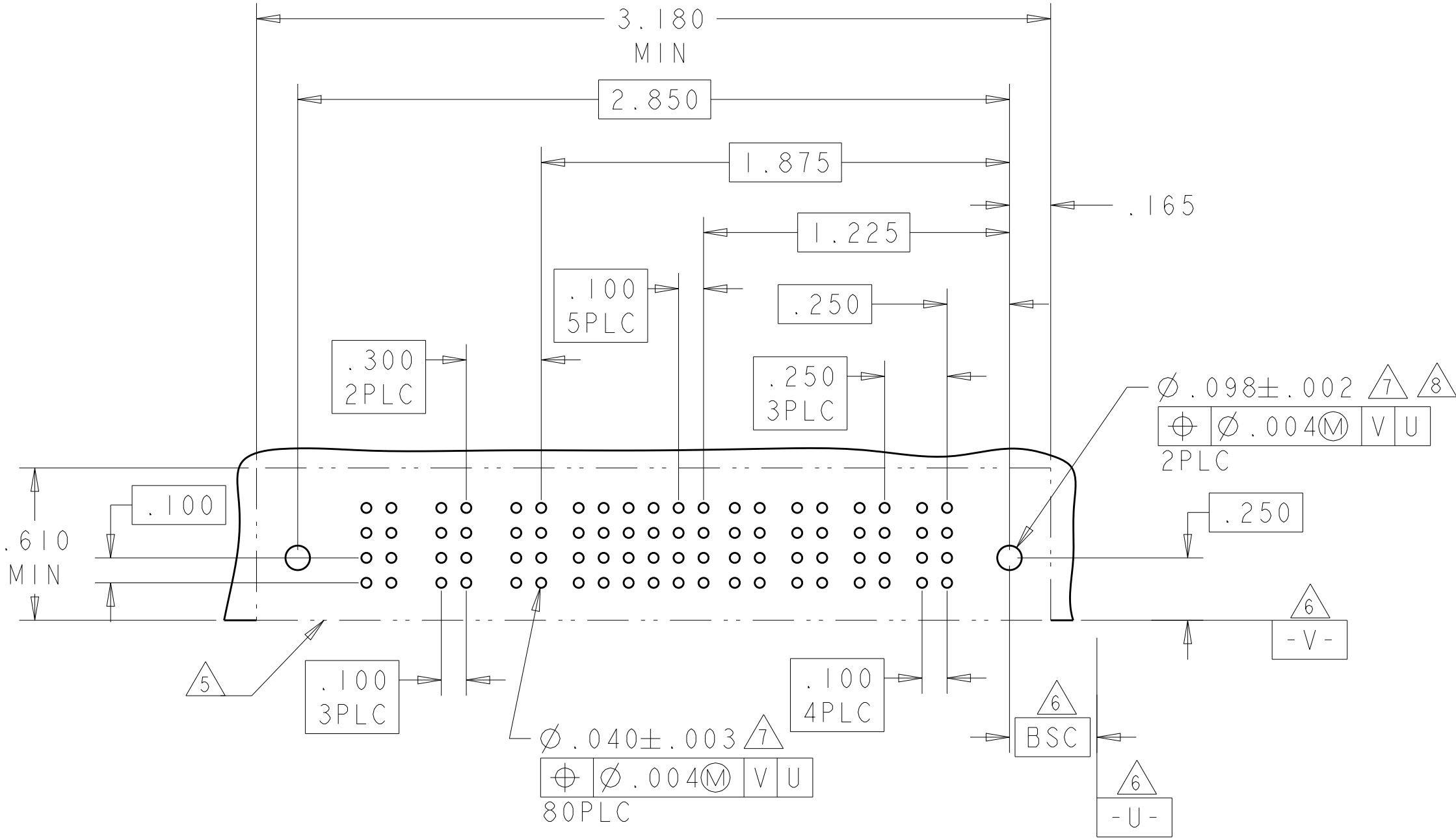
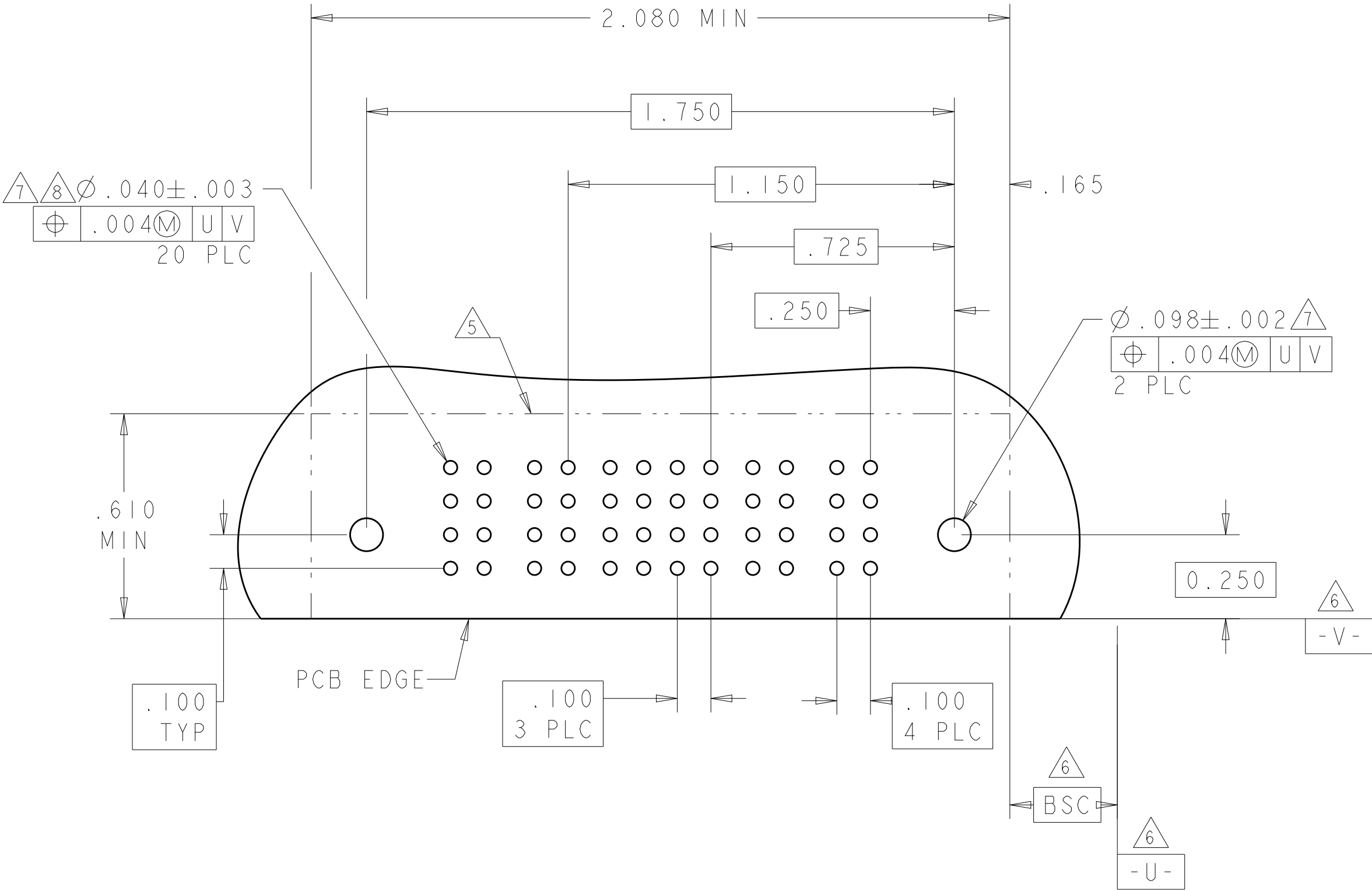
TE Connectivity

RESTRICTED TO: -

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

PART NUMBER	ROWS		POWER		SIGNAL				POWER		
			P4	P3	4	3	2	1	P2	P1	
3-6450170-1	D		RM	RA	H	H	H	H	RA	RM	
	C				G	G	G	G			
	B				E	E	E	E			
	A	HD			F	F	F	F			HD
2P + 16S + 2P											

PART NUMBER	ROWS		POWER			SIGNAL						POWER				
			P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
1-6450170-8	D		RM	RM	RA	H	H	H	H	H	H	RM	RM	RM	RM	
	G					G	G	G	G	G						
	F					F	F	F	F	F						
	E					E	E	E	E	E						
4P + 24S + 3ACP																



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: R.GRZYBOWSKI 21FEB05
CHK: M.PERCHEKKE 21FEB05
APVD: M.PERCHEKKE

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

DIMENSIONS: INCHES

0 PLC ±"
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.0020
ANGLES ±2°
FINISH -

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±"
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.0020
ANGLES ±2°
FINISH -

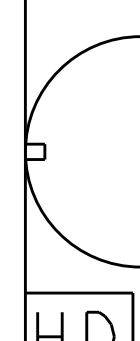
NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

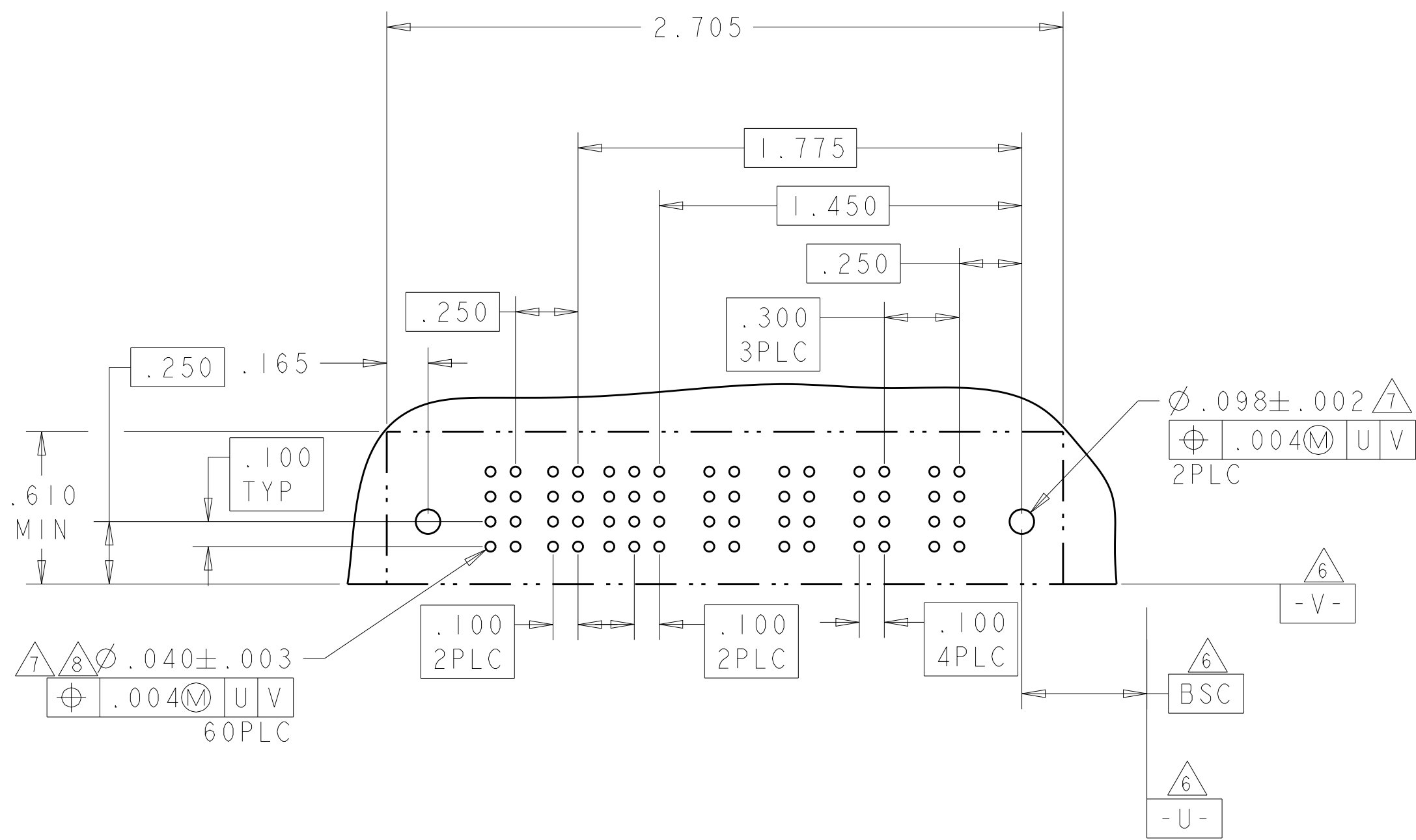
SIZE: A1
CAGE CODE: 00779
DRAWING NO: C=6450170

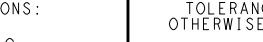
RESTRICTED TO: -

TE Connectivity

SCALE: 4:1
SHEET: 8 OF 13
REV: J5

PART NUMBER	ROWS		POWER		SIGNAL			POWER				
			P6	P5	3	2	1	P4	P3	P2	P1	
3-6450170-3	D C B A	 HD										 HD
4ACP + 12S + 2P												

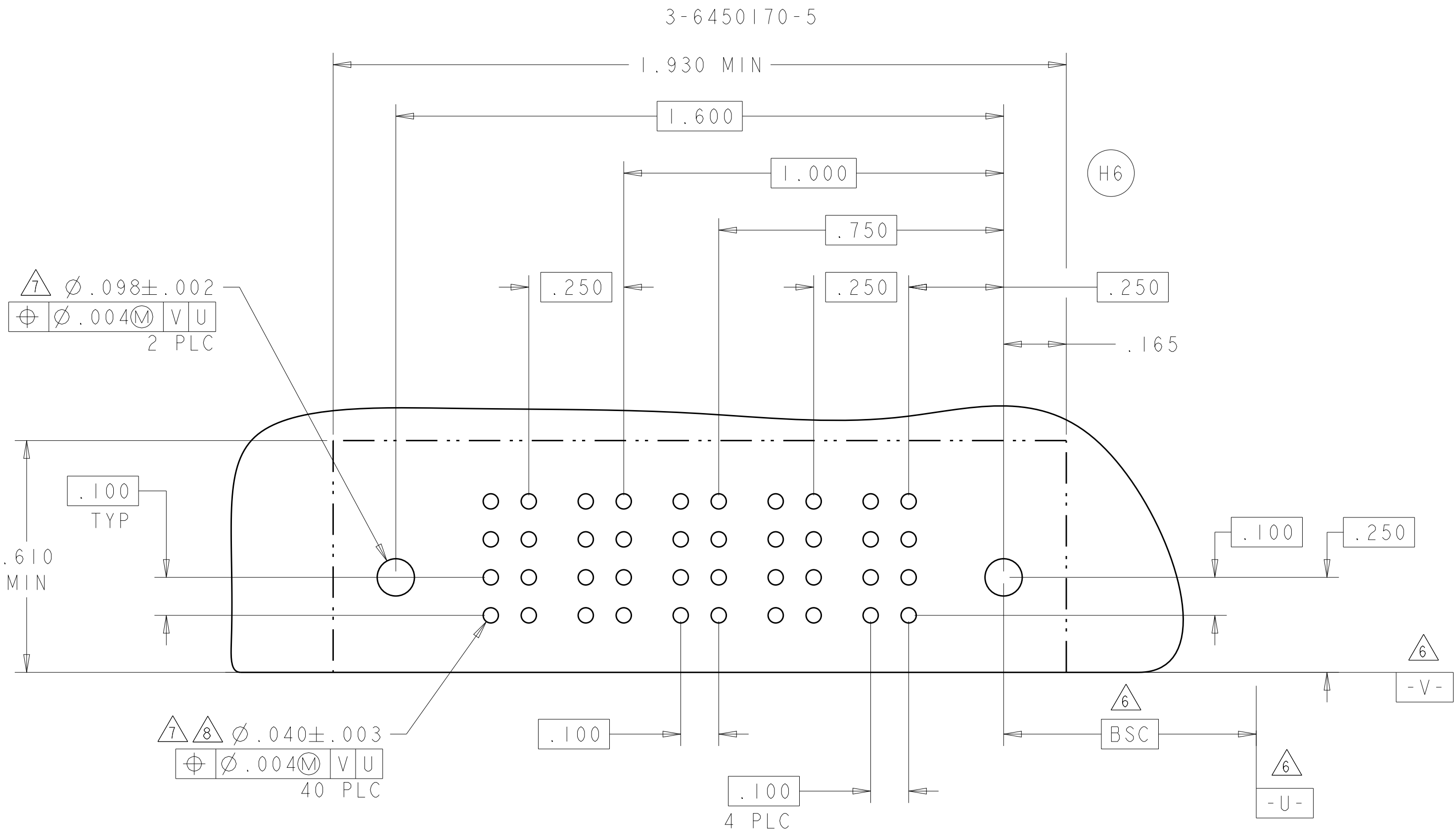
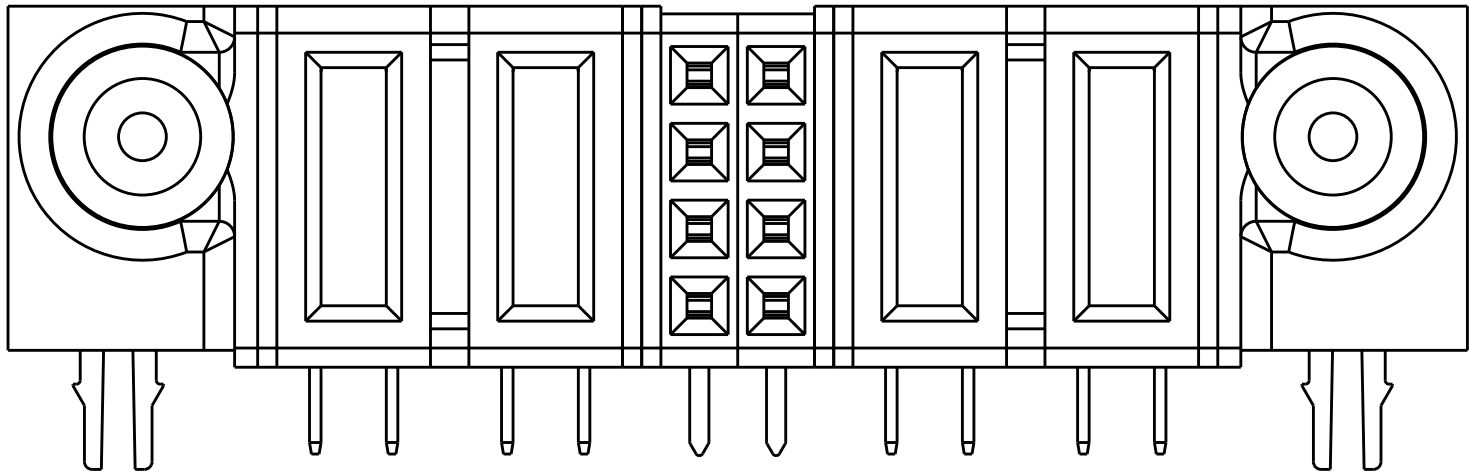
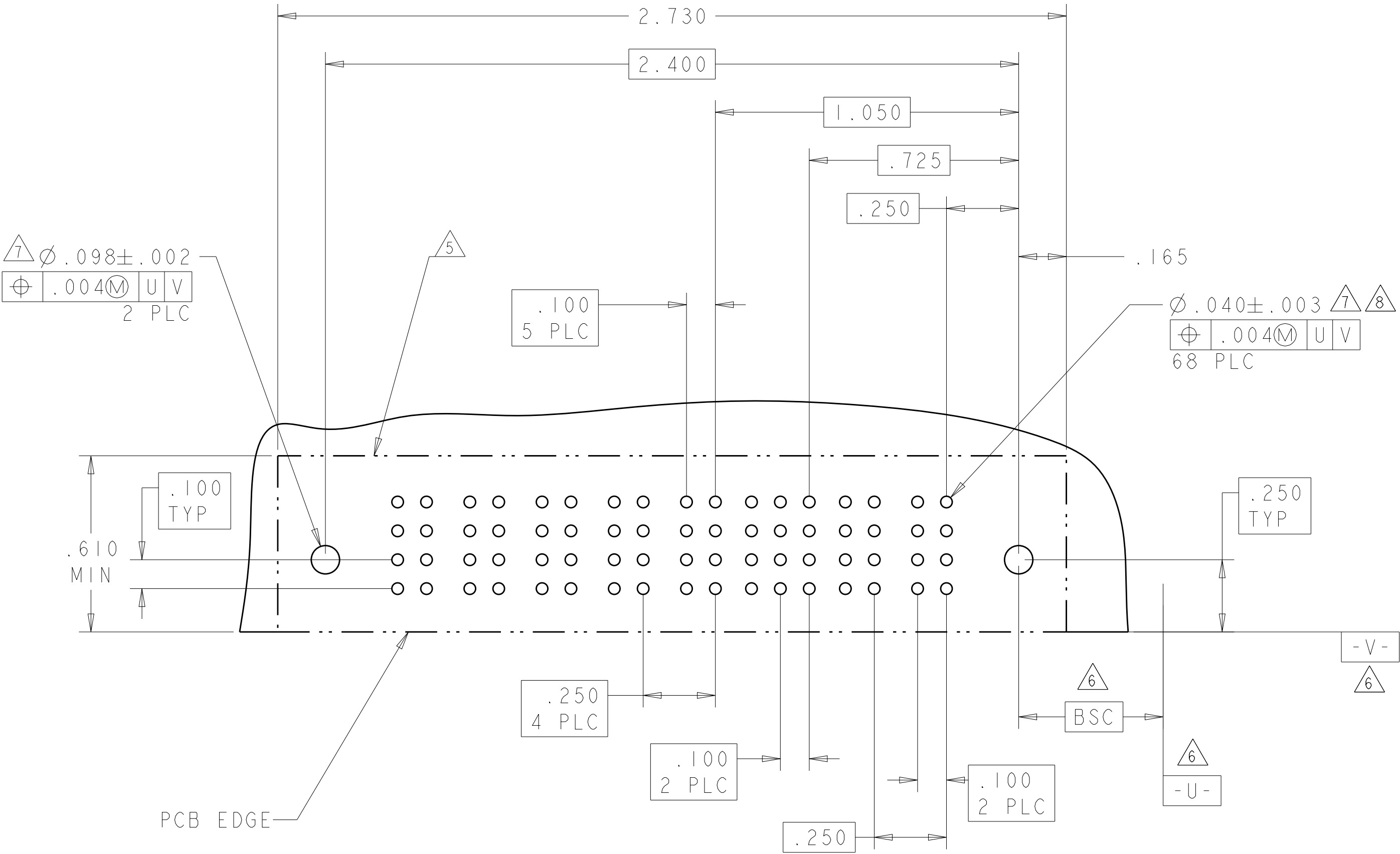


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 21FEB05 CHN M. PERCHERKE 21FEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 P/LC ±. 1 P/LC ±.01 2 P/LC ±.005 4 P/LC ±.0020 ANGLES ±°		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		SIZE CASE CODE DRAWING NO RESTRICTED TO A 00779 C-6450170 -	
MATERIAL -		FINISH -		WEIGHT -	
CUSTOMER DRAWING				SCALE 4:1 SHEET 9 OF 13 REV J5	

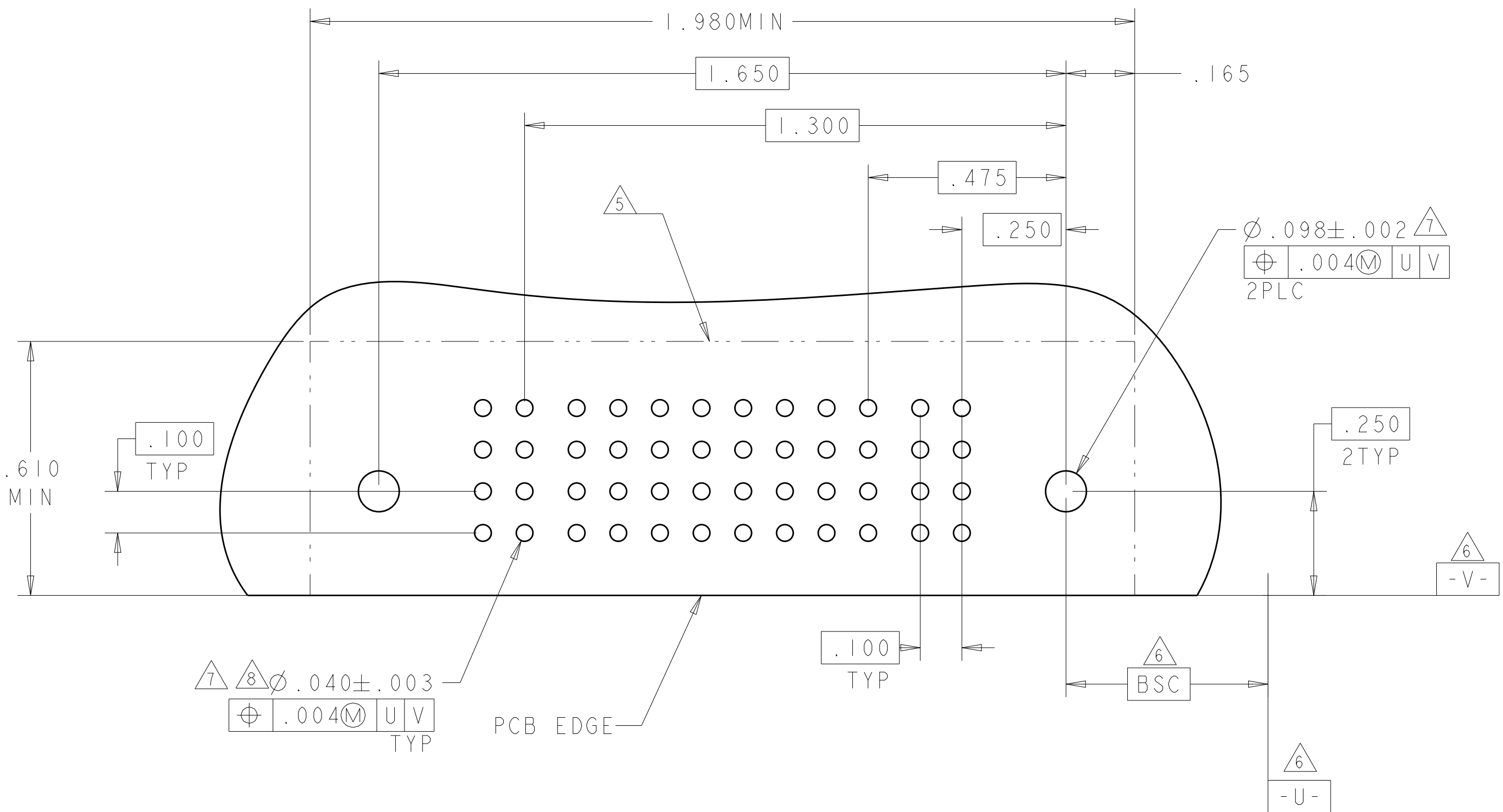
LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	

PART NUMBER	ROWS		POWER					SIGNAL			POWER		
			P7	P6	P5	P4	P3	3	2	1	P2	P1	
3-6450170-4	D		RM	RM	RM	RM	RM	H	H	H	RM	RM	
	G							G	G				
	F							F	F				
	E							E	E				
2P + 12S + 5P													

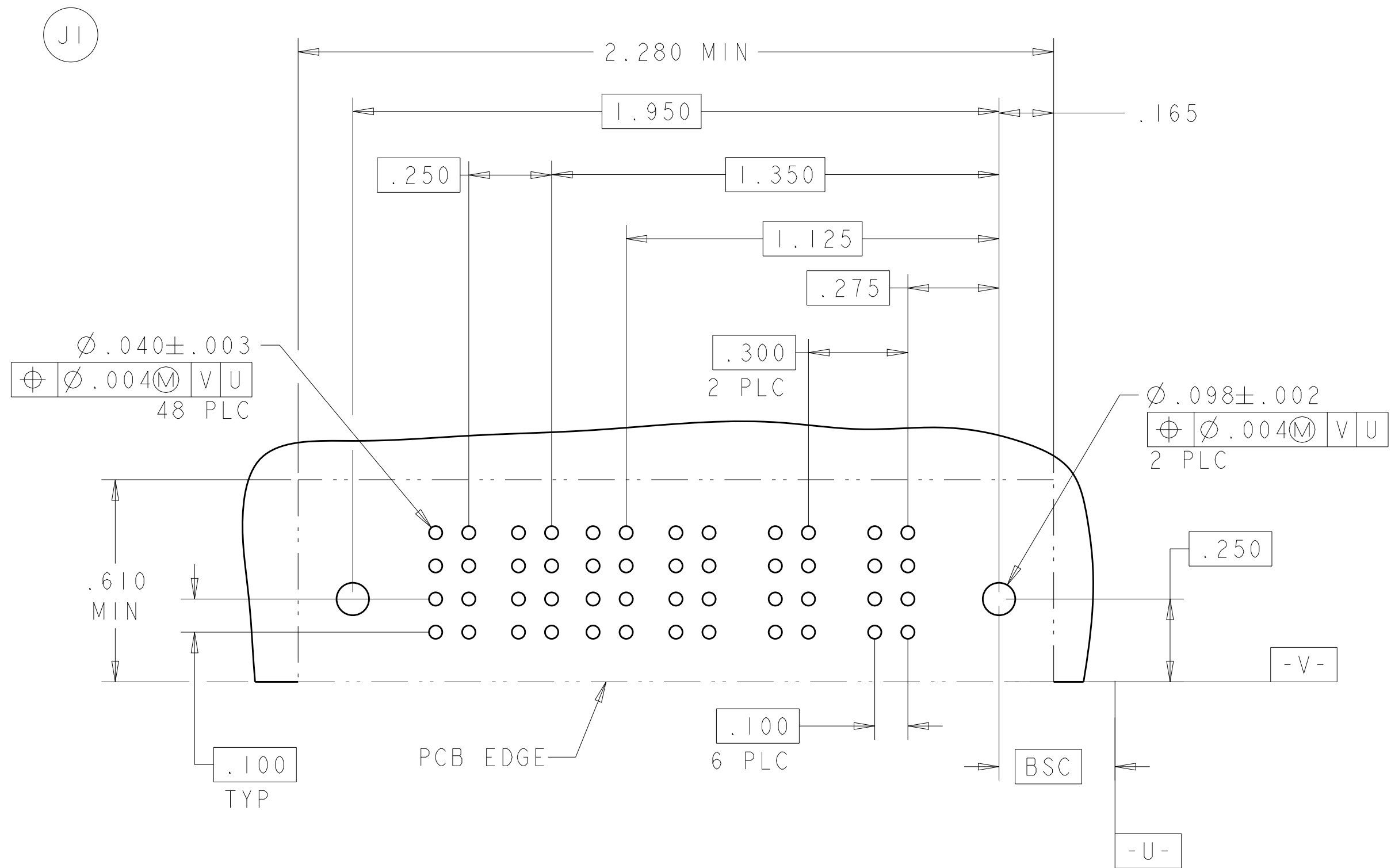
PART NUMBER	ROWS		POWER		SIGNAL		POWER		
			P4	P3	2	1	P2	P1	
3-6450170-5	D		RA	RA	H	H	RM	RM	
	C				G	G			
	B				F	F			
	A				E	E			
2P + 8S + 2P									



PART NUMBER	ROWS		POWER	SIGNAL								POWER		
			P2	8	7	6	5	4	3	2	1	P1		
3-6450170-7	D C B A			H	H	H	H	H	H	H	H			
				G	G	G	G	G	G	G	G			
				F	F	F	F	F	F	F	F			
				E	E	E	E	E	E	E	E			
IP + 32S + IP														

4805 (3/11)

PART NUMBER	ROWS		POWER		SIGNAL		POWER			
			P5	P4	2	1	P3	P2	P1	
3-6450170-9	D C B A				H	H				
					G	G				
					F	F				
					E	E				
3ACP + 8S + 2P										



TE RECOMMENDED PCB LAYOUT

PART NUMBER	ROWS	POWER							SIGNAL						POWER			
		P8	P7	P6	P5	P4	P3	6	5	4	3	2	1	P2	P1			
4-6450170-1	D		RM		RM		RA		H	H	H	H	H		RM	RM		
	G								G	G	G	G						
	F								F	F	F	F						
	E								E	E	E	E						
2P + 24S + 6P		HD																HD

[illegible]4805 (3/11)

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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