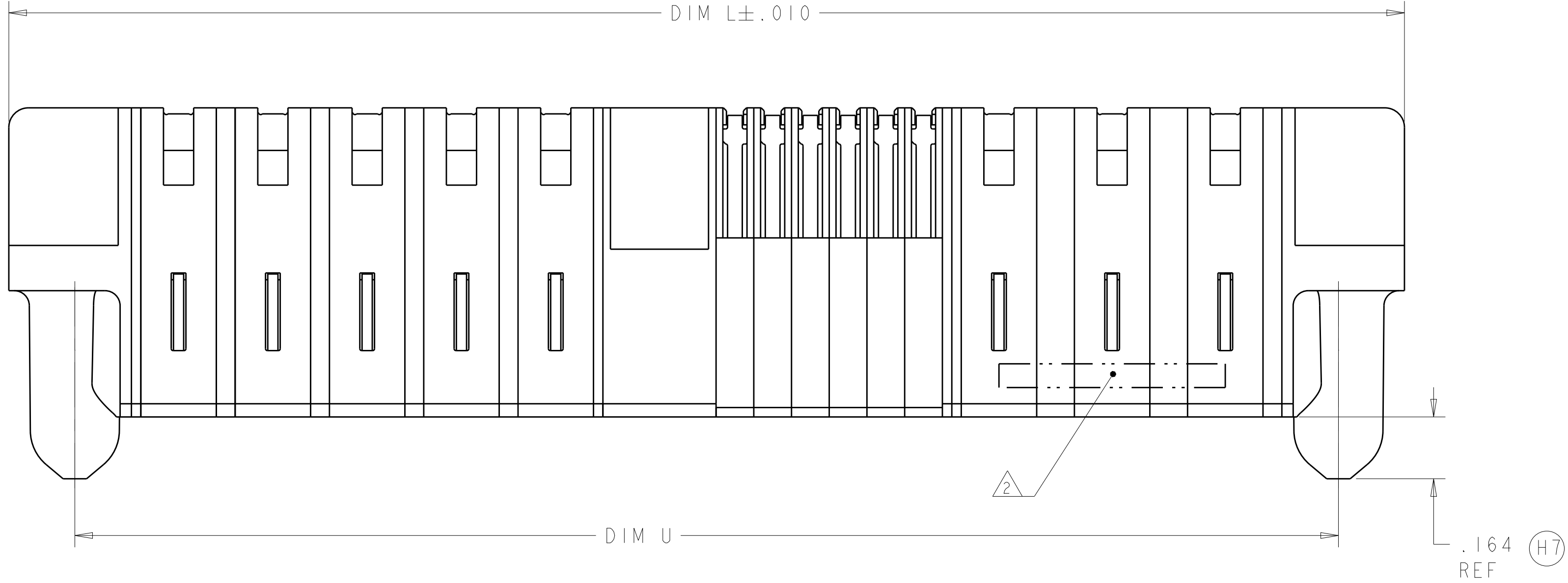
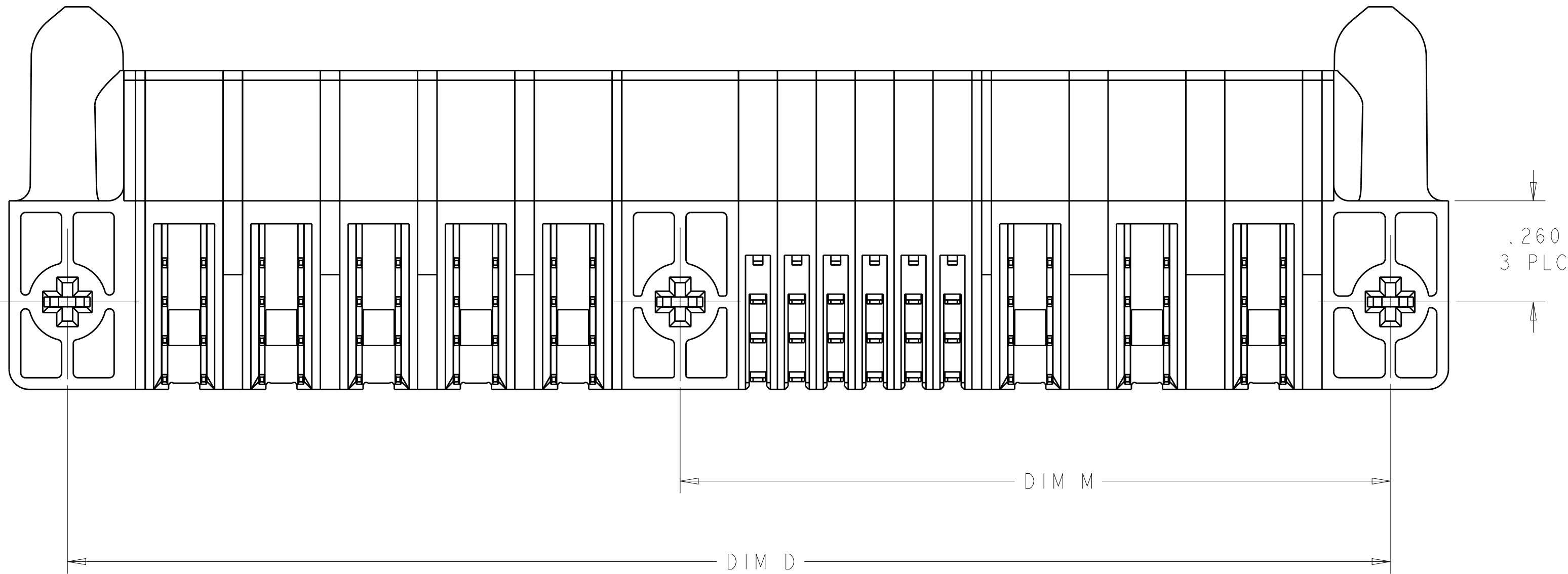
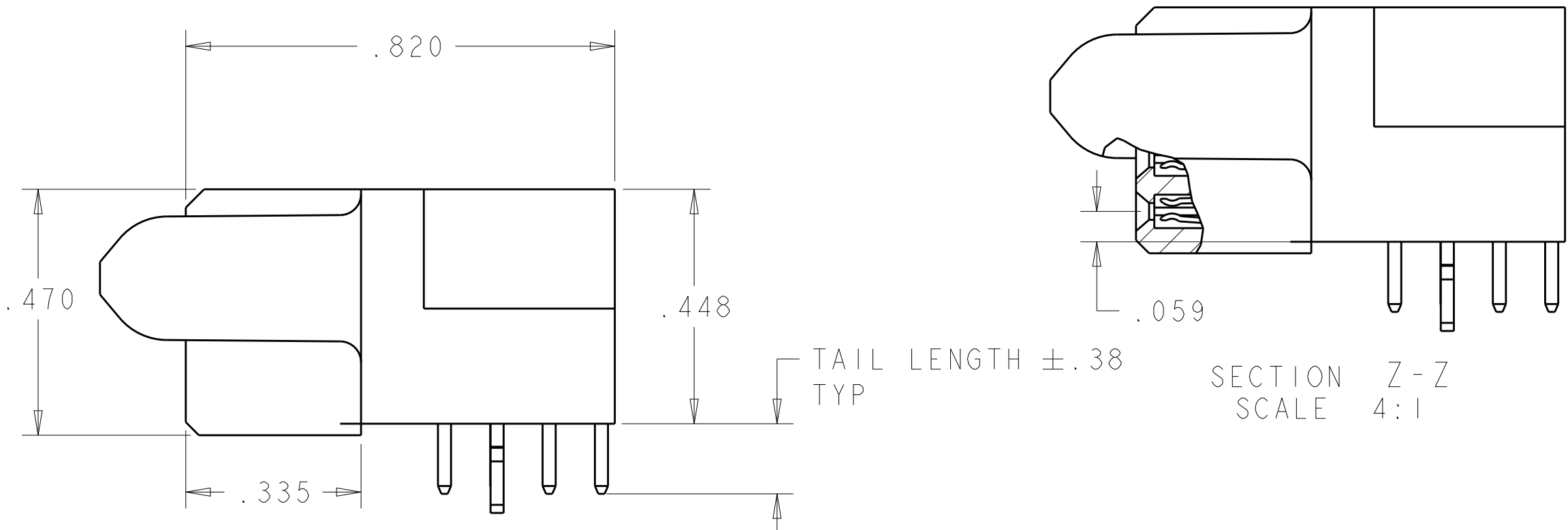
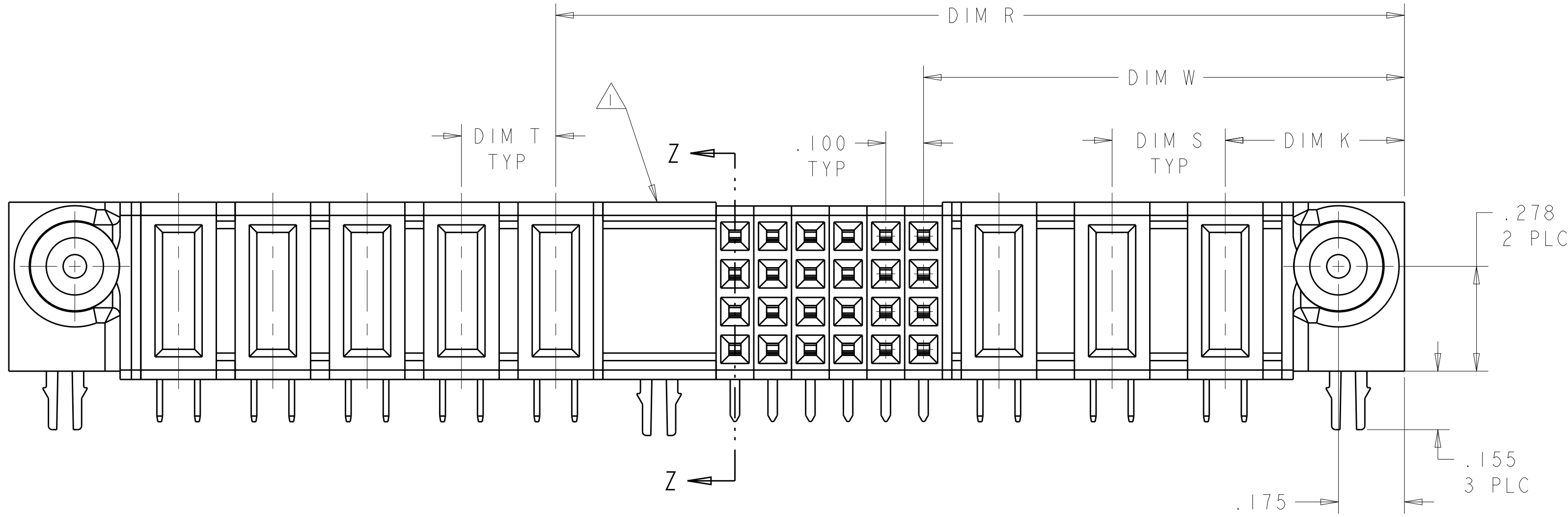


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		J1	REV PER ECR-12-016975	25SEP2012	CZ	SZ
			J3	ADDED NEW DASH NUMBER 4-0	01FEB2013	CZ	SZ
			J5	ADDED NEW DASH NUMBER 4-1	25FEB2014	CZ	SZ



- 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		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.2° FINISH		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	
MATERIAL 3		4		SIZE A100779C=6450170	
		CUSTOMER DRAWING		RESTRICTED TO -	
				SCALE 4:1	
				SHEET 1 OF 13	
				REV J5	

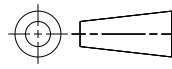
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-

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

SIZE
A1

CAGE CODE
100779

DRAWING NO
6450170

RESTRICTED TO
-

SCALE
4:1

SHEET
2

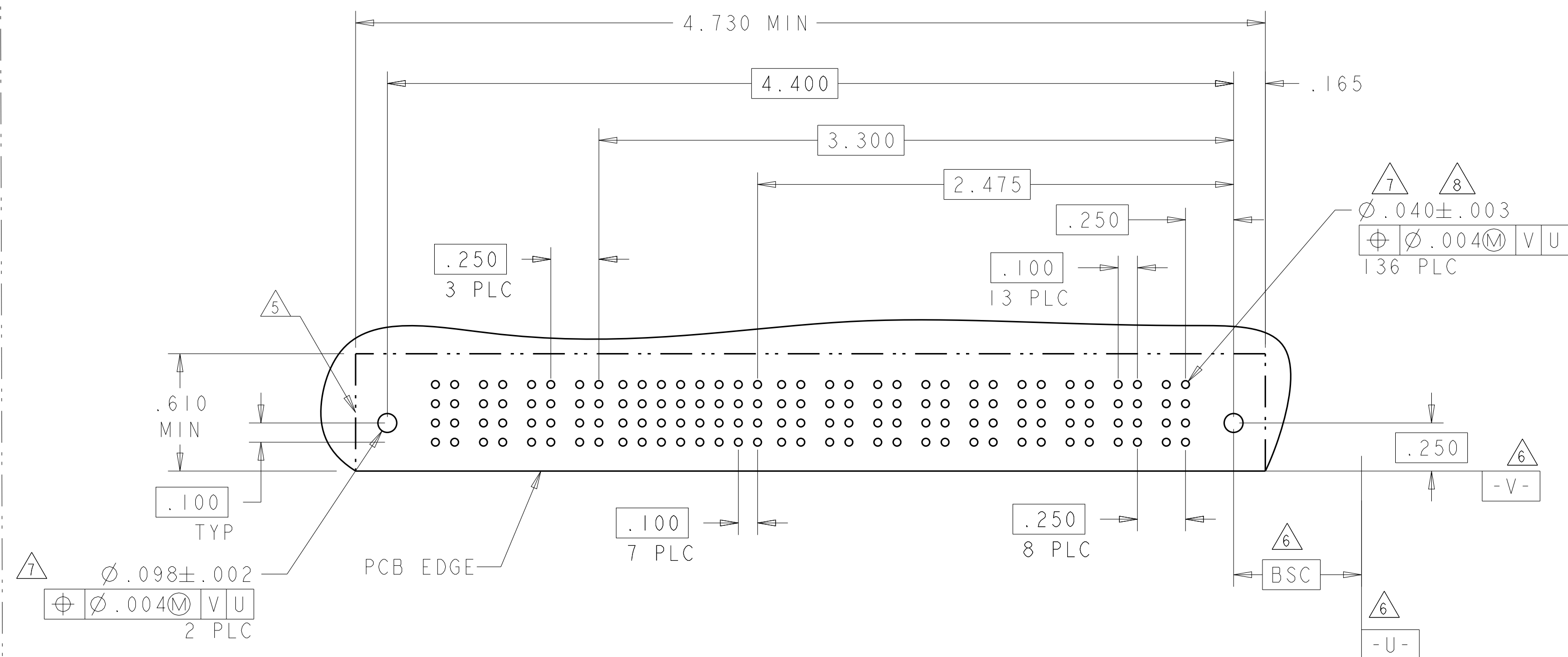
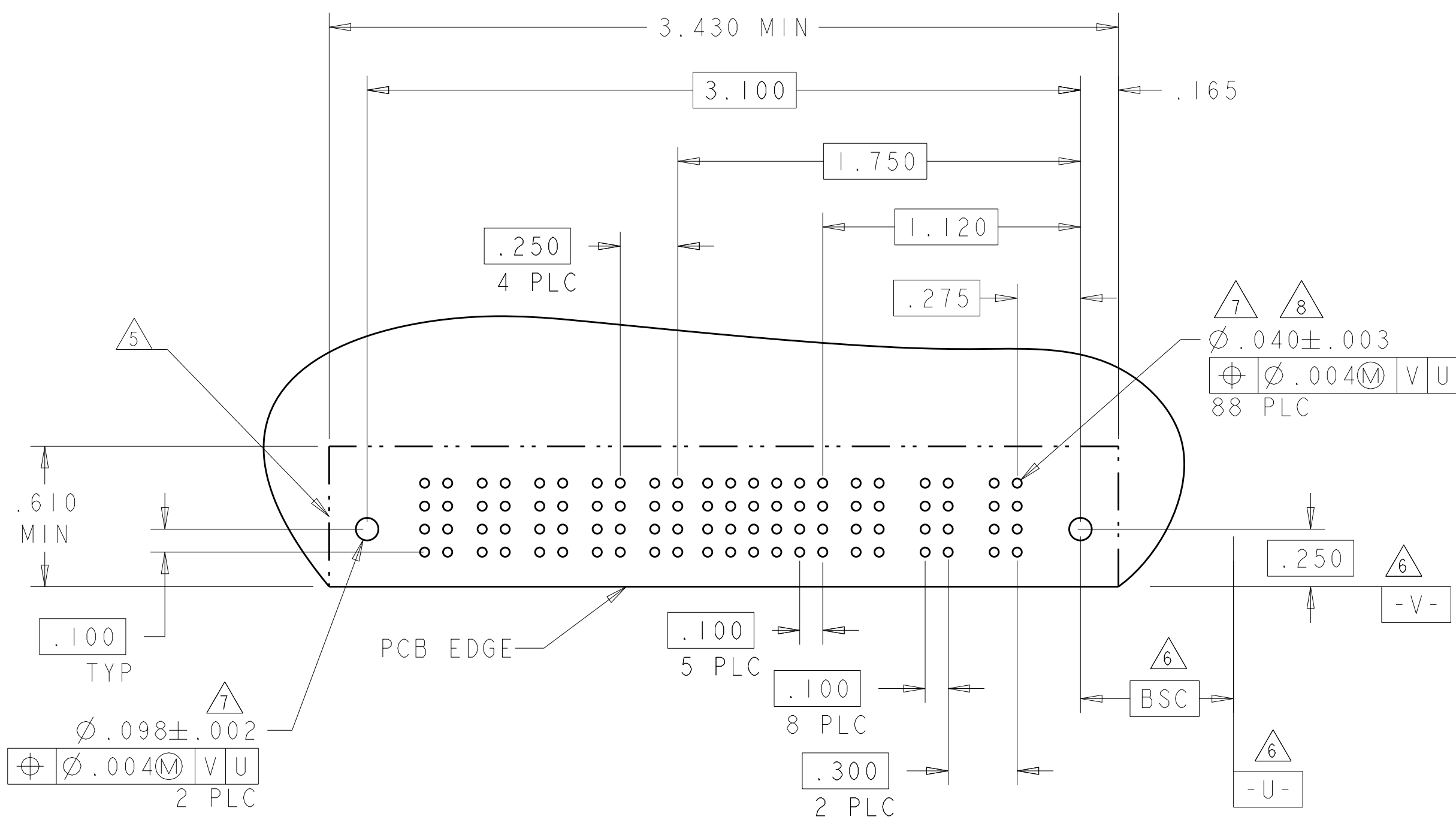
OF
13

REV
J5

TE Connectivity

RIGHT ANGLE RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

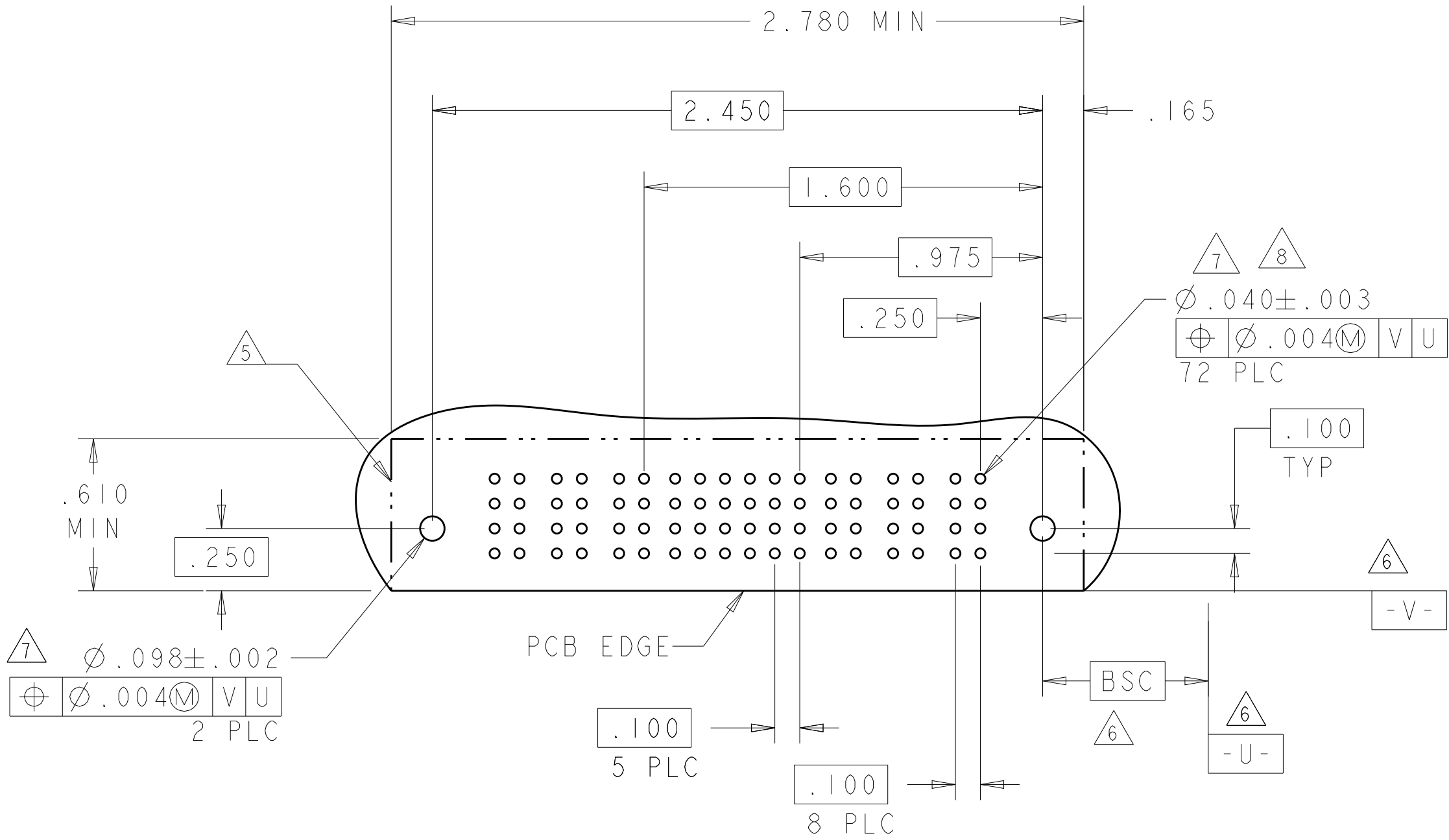
4805 (3/11)



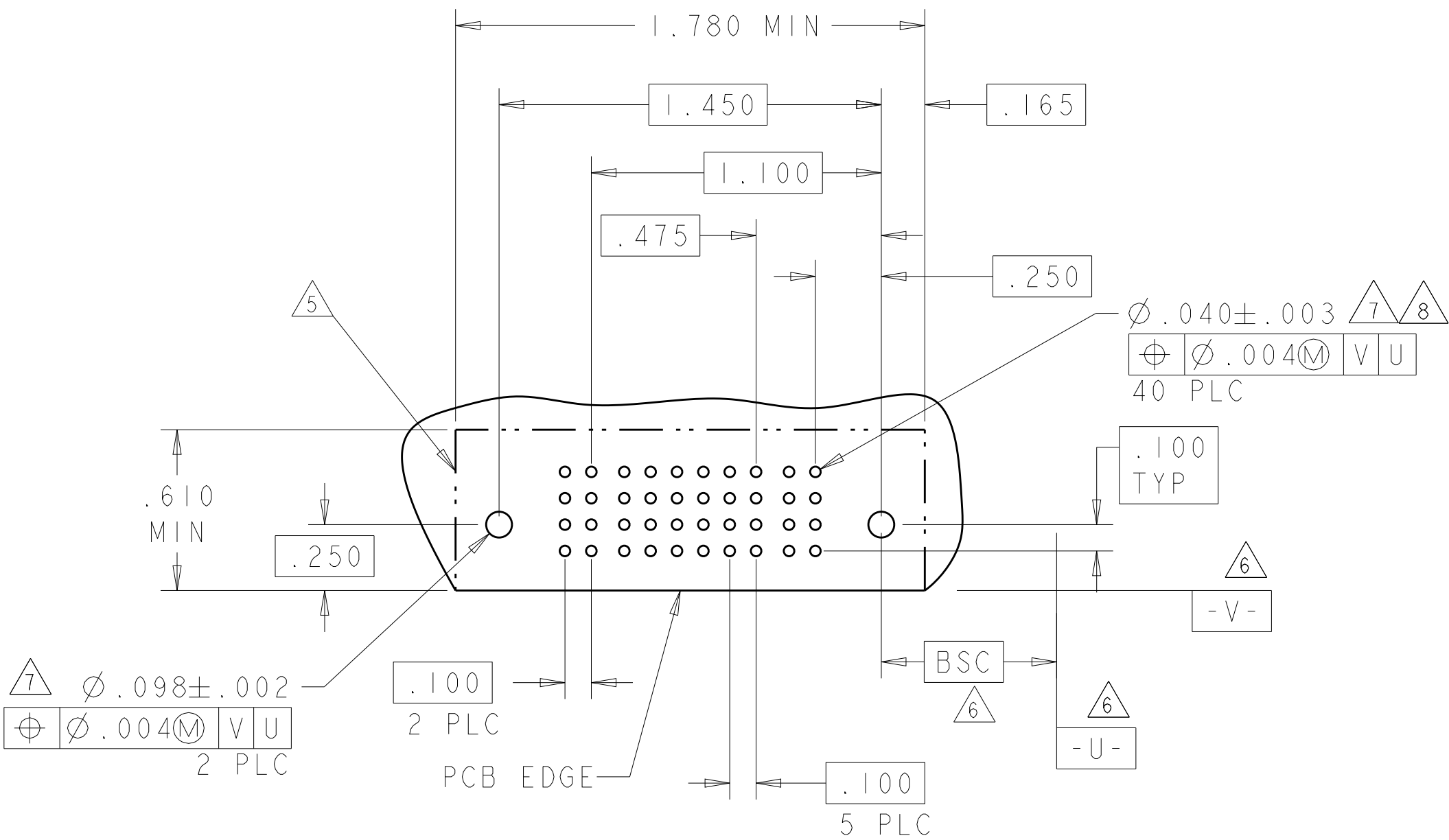
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG: R. GRZYBOWSKI 21FEB05 CHK: M. PERCHERKE 21FEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±°		NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		APVD: M. PERCHERKE PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		SIZE: CAGE CODE: DRAWING NO: A100779C6450170	
MATERIAL: - FINISH: -		WEIGHT: -		RESTRICTED TO: -	
CUSTOMER DRAWING				SCALE: 1:1 SHEET 3 OF 13 REV. 1	

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

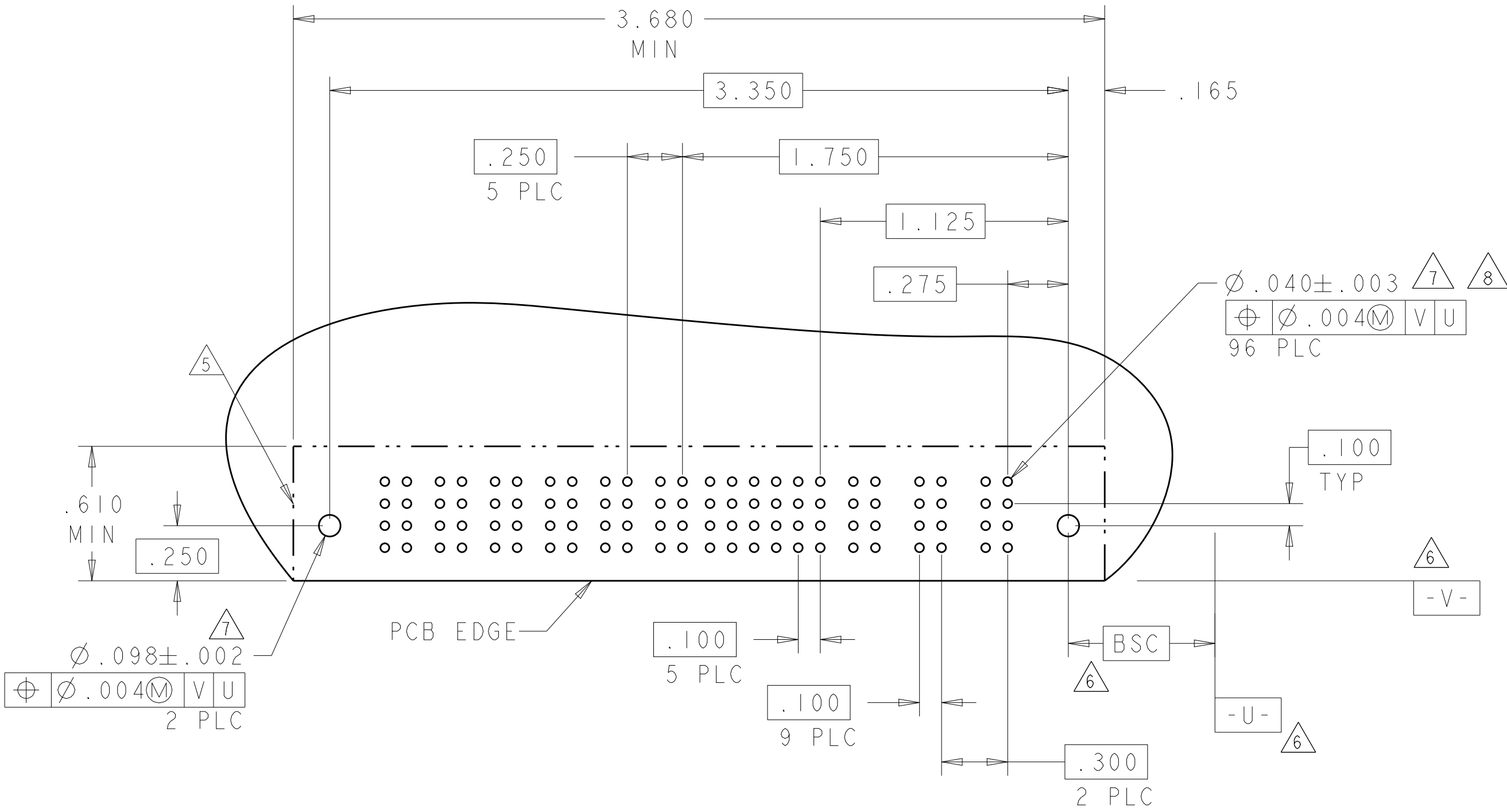
PART NUMBER	ROWS		POWER			SIGNAL						POWER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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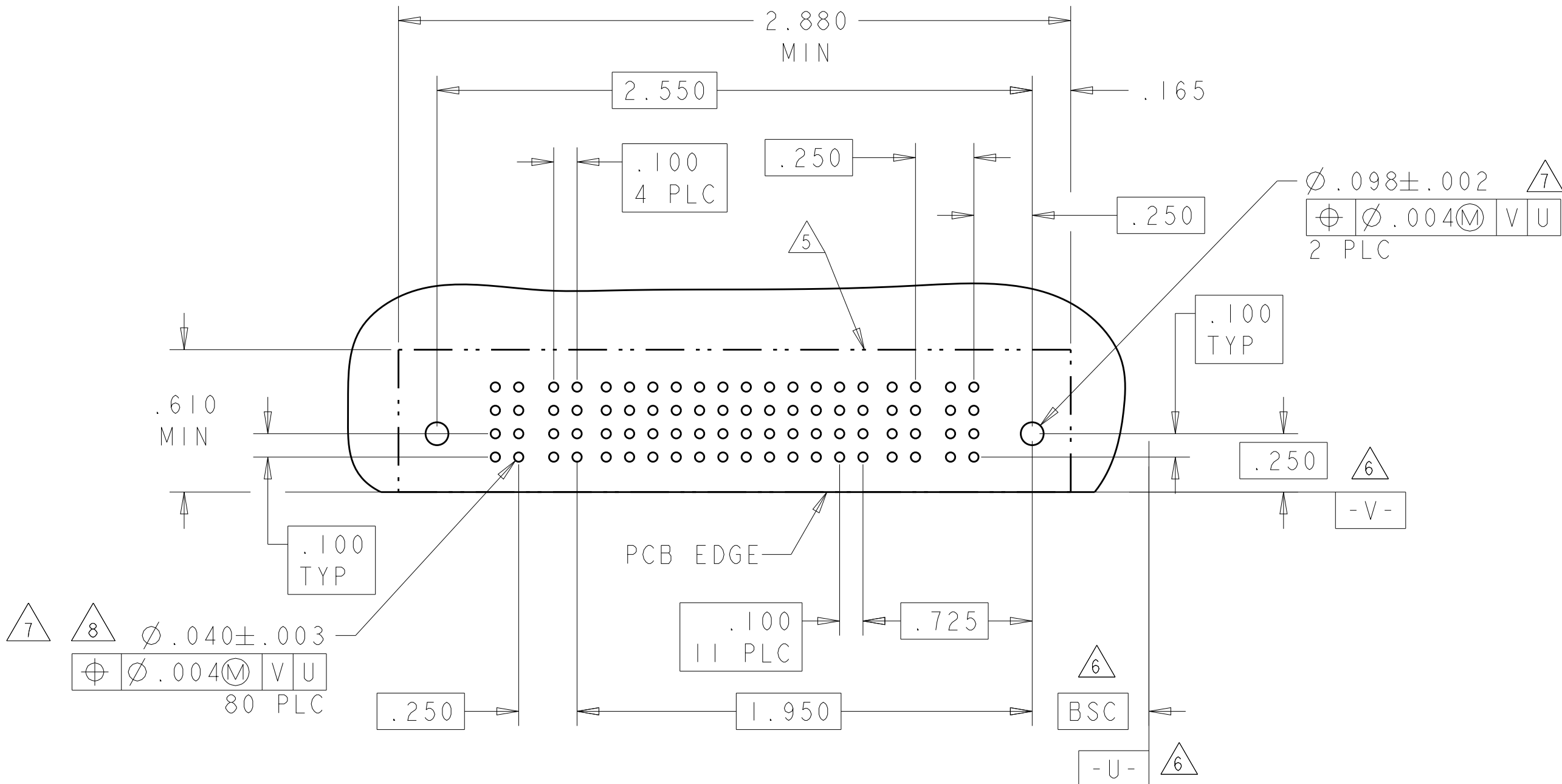
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6450170-6	D C B A	RB	K K L L L L L L L							RN	HD	
			K K K K K K K									
			J J J J J J J									
1P + 24S + 1P		HD										



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		RM	RM	RM	RM	RM	H	H	H	H	H	H	H	H	H								
																	HD	RM	RM	RM	RA	RM	RM	
3ACP + 24S + 6P																								

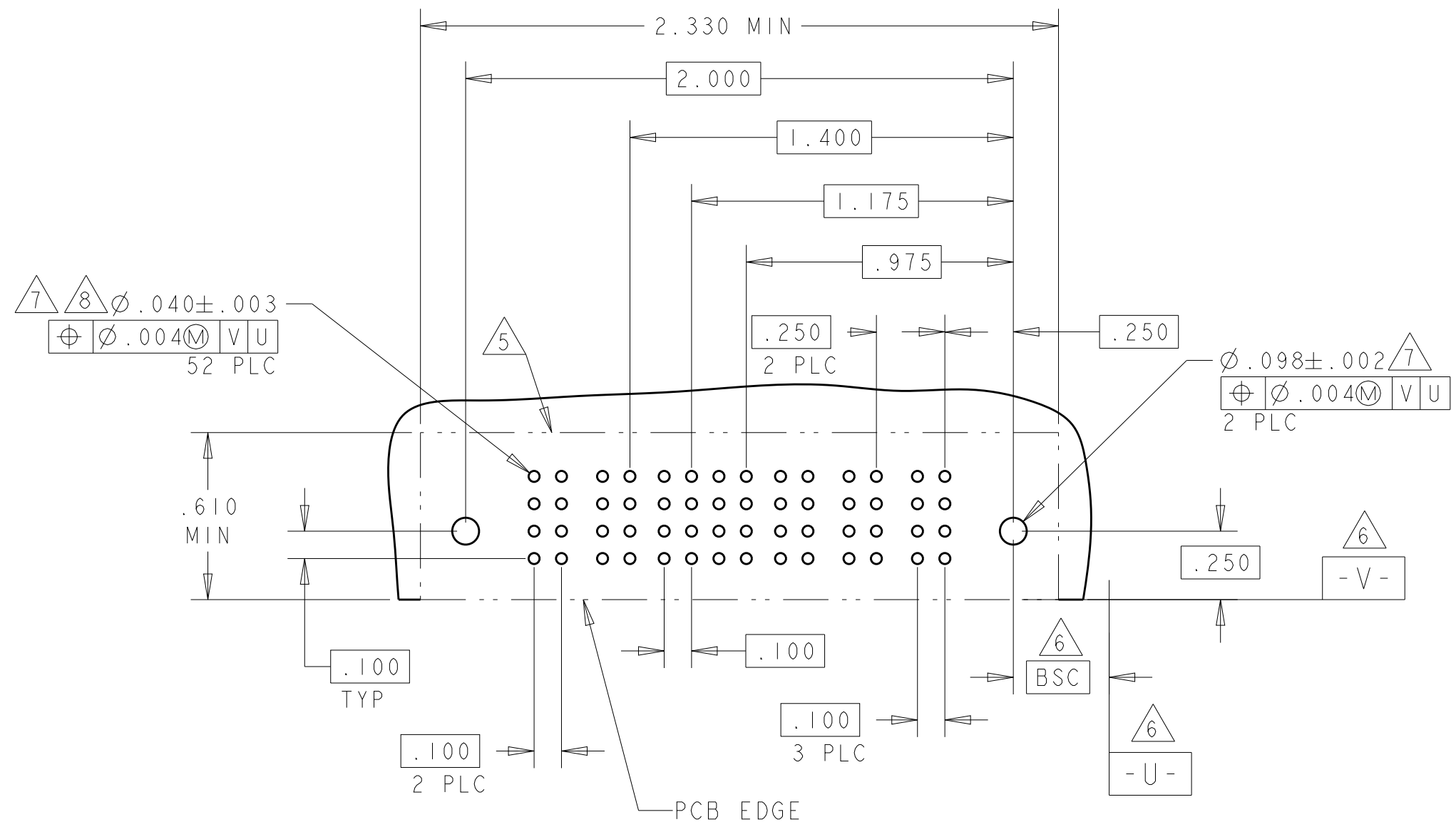


PART NUMBER	ROWS			POWER		SIGNAL												POWER			
		P4	P3	12	11	10	9	8	7	6	5	4	3	2	1	P2	P1				
6450170-9	D C B A			RM	RA	H	H	H	H	H	H	H	H	H	H	H	H	RM	RA		
						G	G	G	G	G	G	G	G	G	G	G	G				
						F	F	F	F	F	F	F	F	F	F	F	F				
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2P + 48S + 2P																				HD	

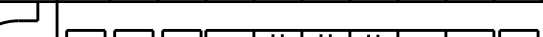


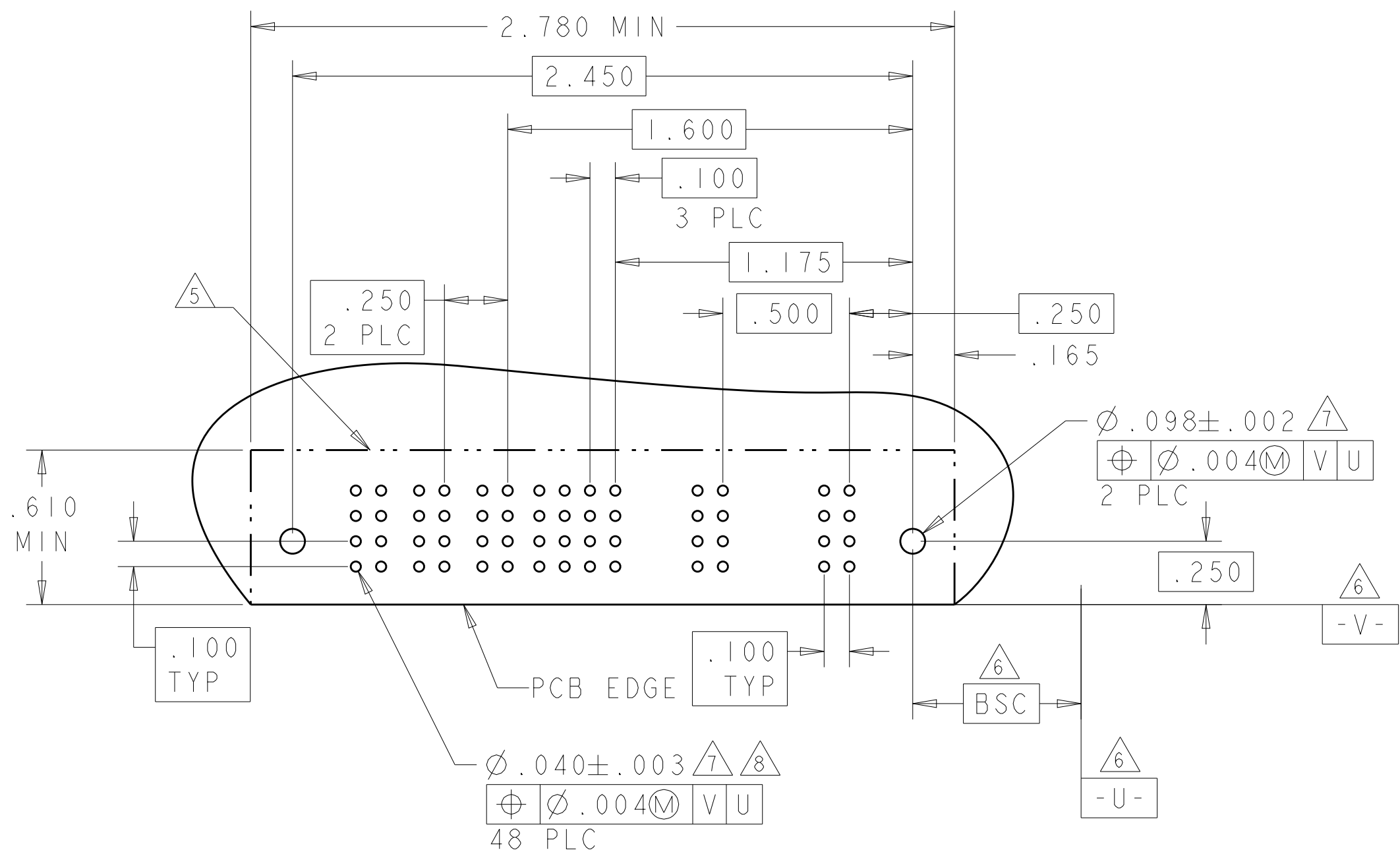
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	21FEB05	 TE Connectivity				
DIMENSIONS: INCHES		CHK M. PERCHERKE	21FEB05					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	-	NAME	RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL			
		PRODUCT SPEC						
		108-1973						
		APPLICATION SPEC						
		114-13038						
MATERIAL	-	WEIGHT	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
				A1	100779	C6450170	-	
CUSTOMER DRAWING				SCALE	4:1	SHEET	4 OF 13	REV J5

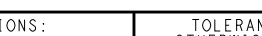
PART NUMBER	ROWS	POWER		SIGNAL			POWER			
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2-6450170-6	D			H	H	H				
	G			G	G					
	F			F	F					
	E			E	E					
C										
B										
A										
										



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	<table><tr><td>RM</td><td>RM</td><td>RA</td><td>H</td><td>H</td><td>H</td><td>H</td><td></td><td></td><td></td><td></td><td>RM</td><td>RM</td></tr><tr><td></td><td></td><td></td><td>G</td><td>G</td><td>G</td><td>G</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>F</td><td>F</td><td>F</td><td>F</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td>E</td><td>E</td><td>E</td><td>E</td><td></td><td></td><td></td><td></td><td></td></tr></table>												RM	RM	RA	H	H	H	H					RM	RM				G	G	G	G									F	F	F	F									E	E	E	E					
		RM	RM	RA	H	H	H	H					RM	RM																																																
					G	G	G	G																																																						
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3P + 24S + 3P																																																														

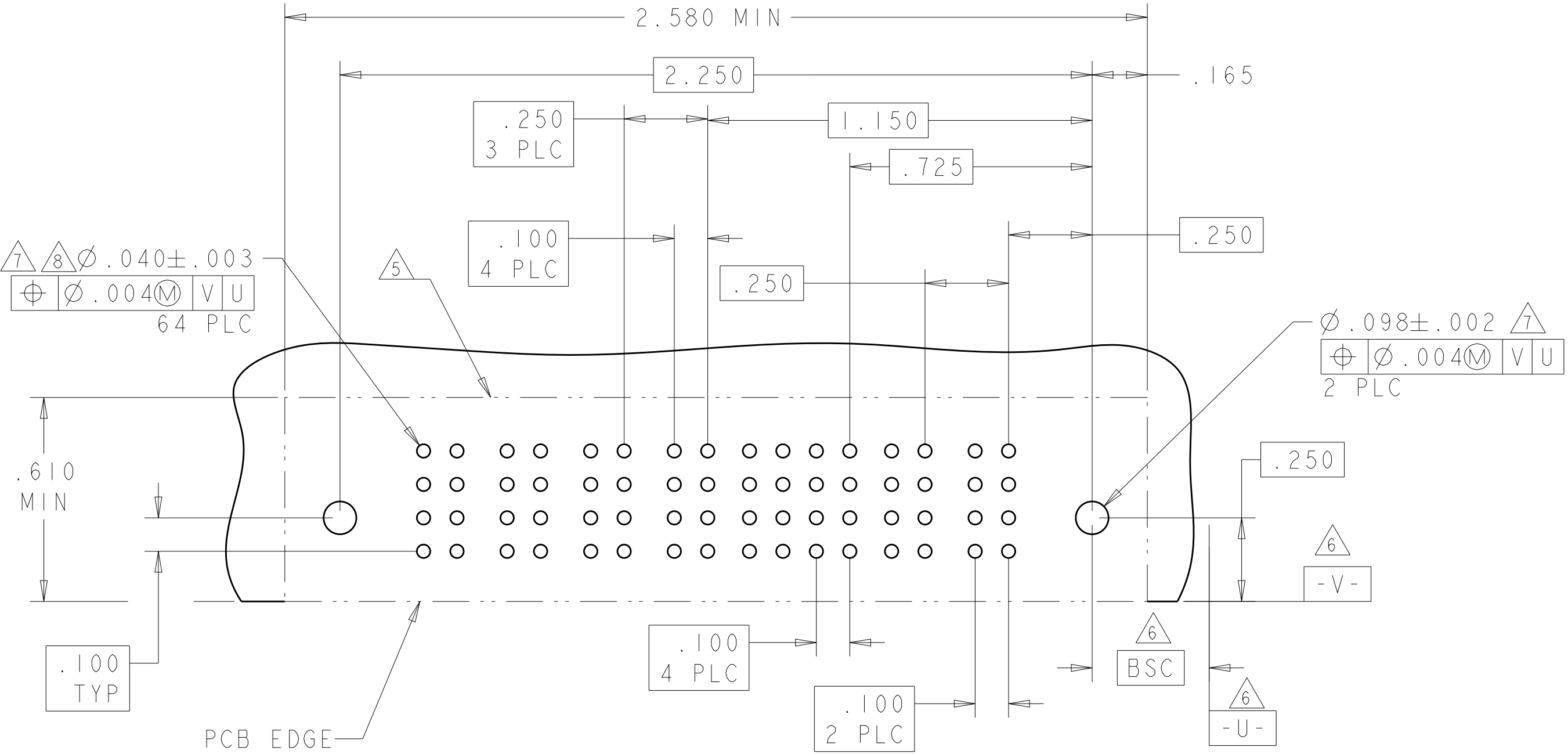
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2-6450170-9	D C B A																
3P + 24S + 3P																	



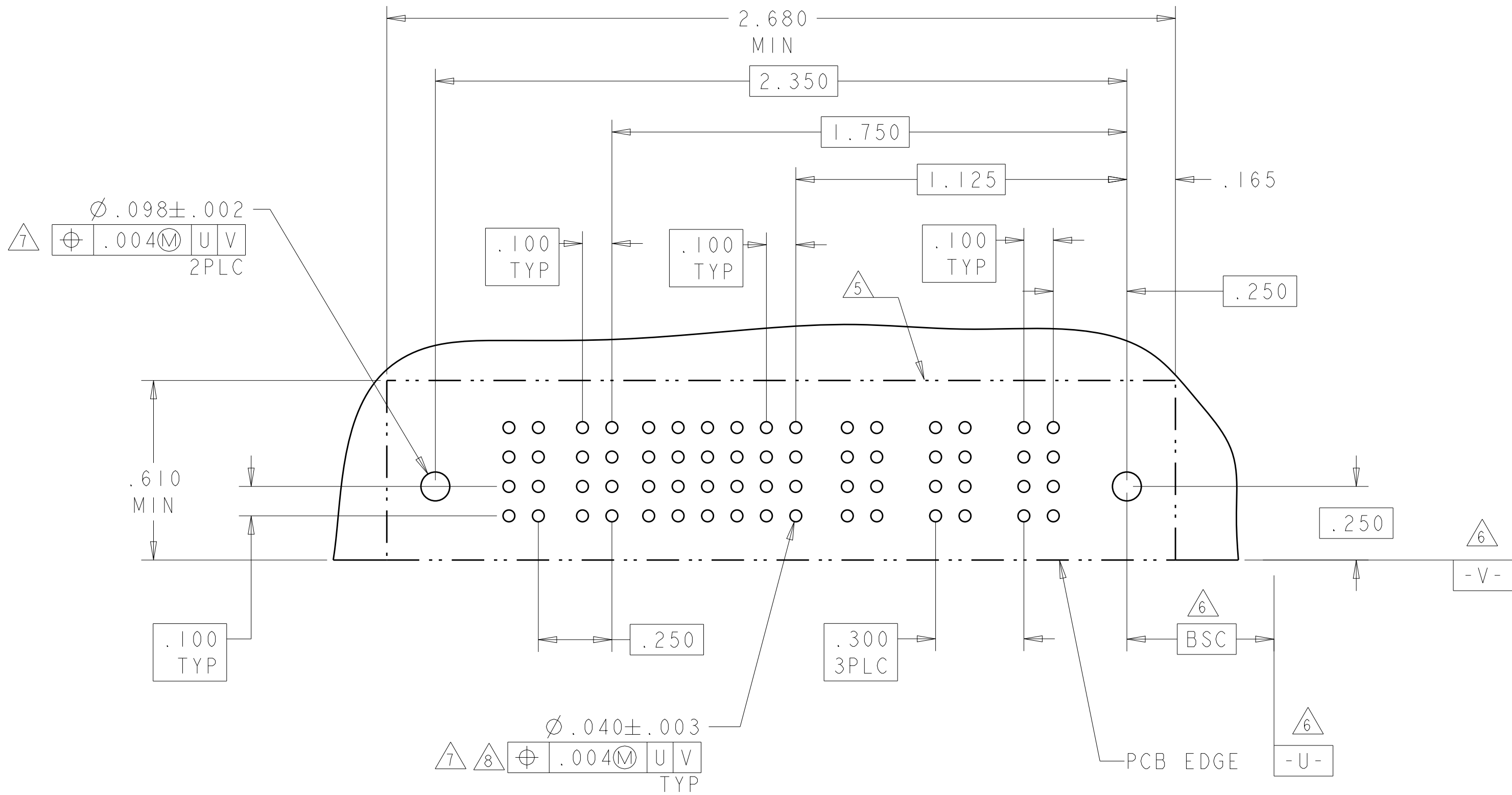
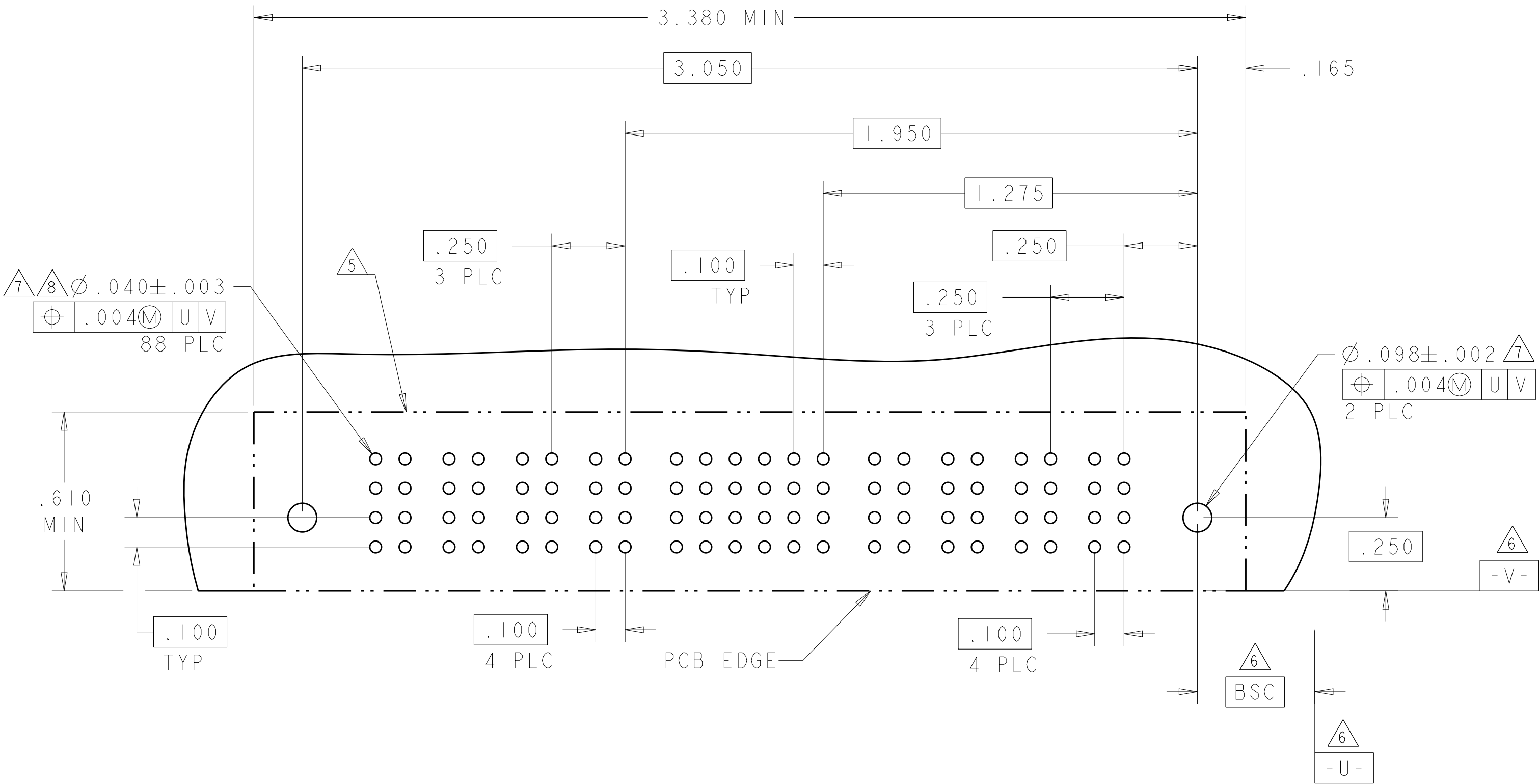
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWA M. GRZYBOWSKI 21FEB05		 TE Connectivity	
DIMENSIONS: INCHES		CHG M. PERCHERKE 21FEB05			
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038			
0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±°		FINISH		SIZE CAGE CODE DRAWING NO A100779C6450170	
MATERIAL -		WEIGHT -		RESTRICTED TO -	
CUSTOMER DRAWING					
				SCALE 4:1 SHEET 5 OF 13 REV J5	

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	 HD
							G	G	G	G	G	G					
							F	F	F	F	F	F					
							E	E	E	E	E	E					
4P + 24S + 4P																	



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		
	G				G	G	G	G	G						
	F				F	F	F	F	F						
	E				E	E	E	E	E						
3ACP + 24S + 2P															HD

THIS DRAWING IS A CONTROLLED DOCUMENT.

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

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

CUSTOMER DRAWING

TE Connectivity

RIGHT ANGLE RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

SIZE A100779
CAGE CODE
DRAWING NO C=6450170
REV J5

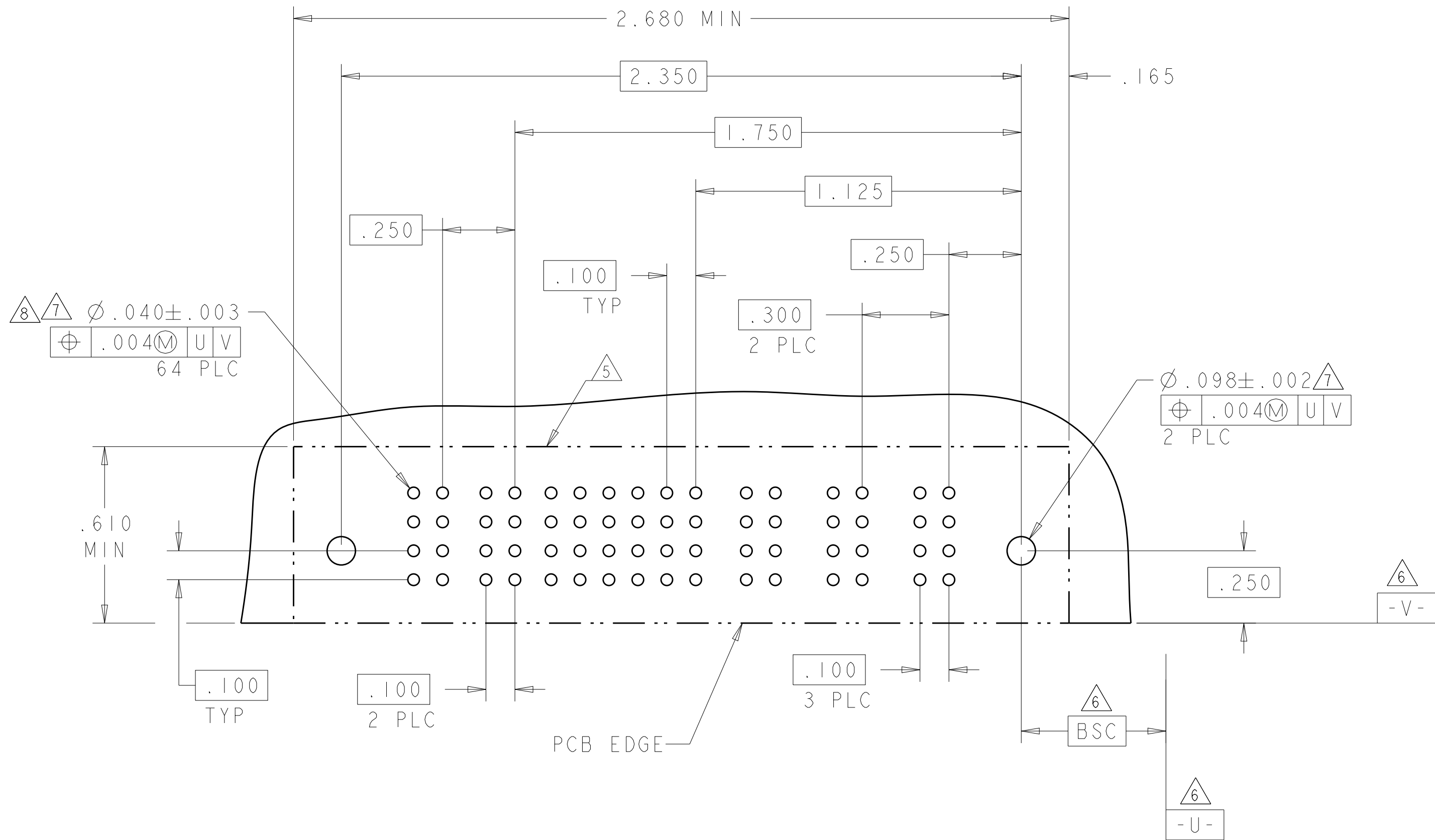
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6

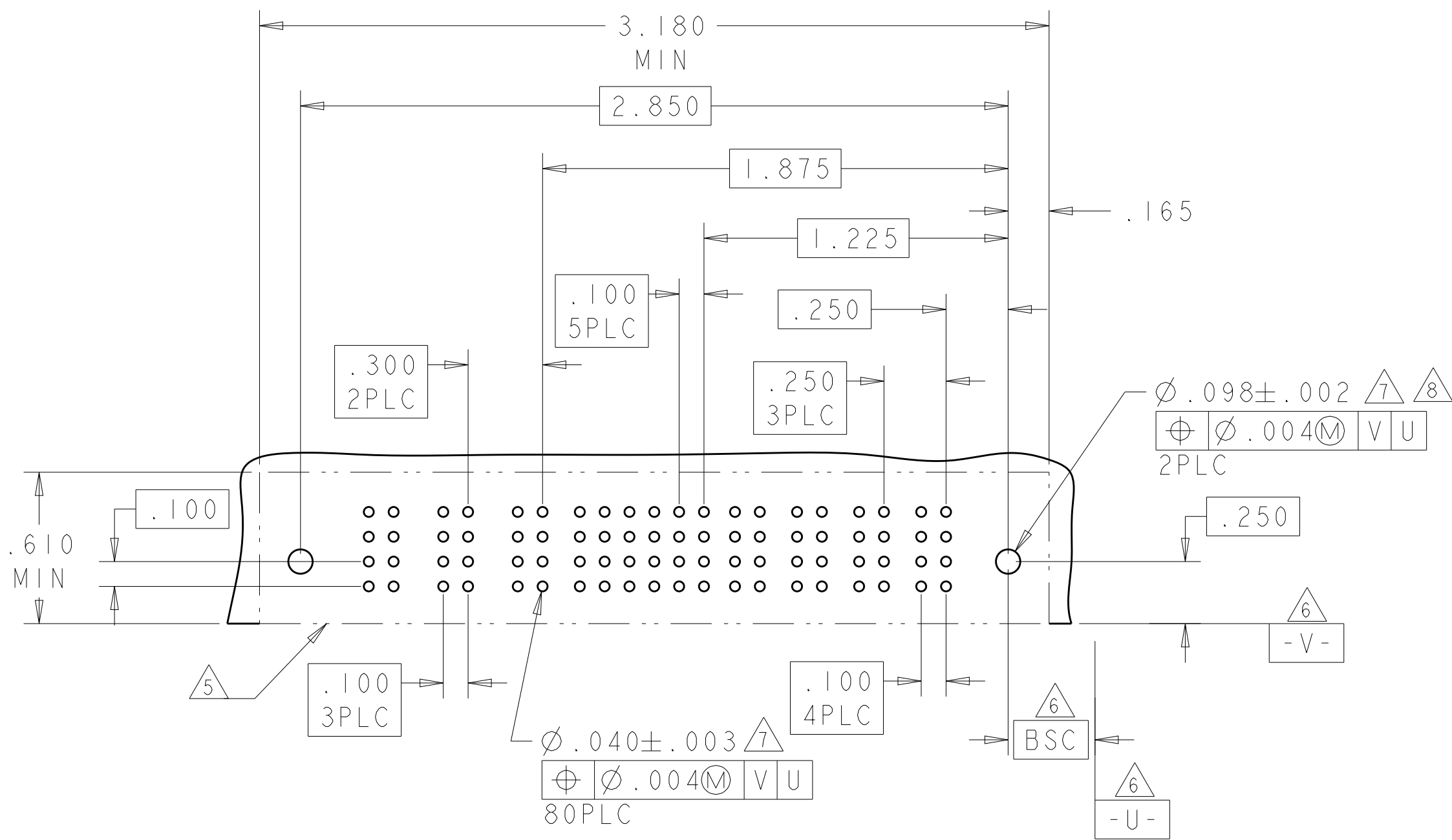
13

REV J5

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		RM	RM	H	H	H	H	H	H	RA	RM	RM		
					G	G	G	G	G	G					
					F	F	F	F	F	F					
					E	E	E	E	E	E					
3ACP + 24S + 2P															

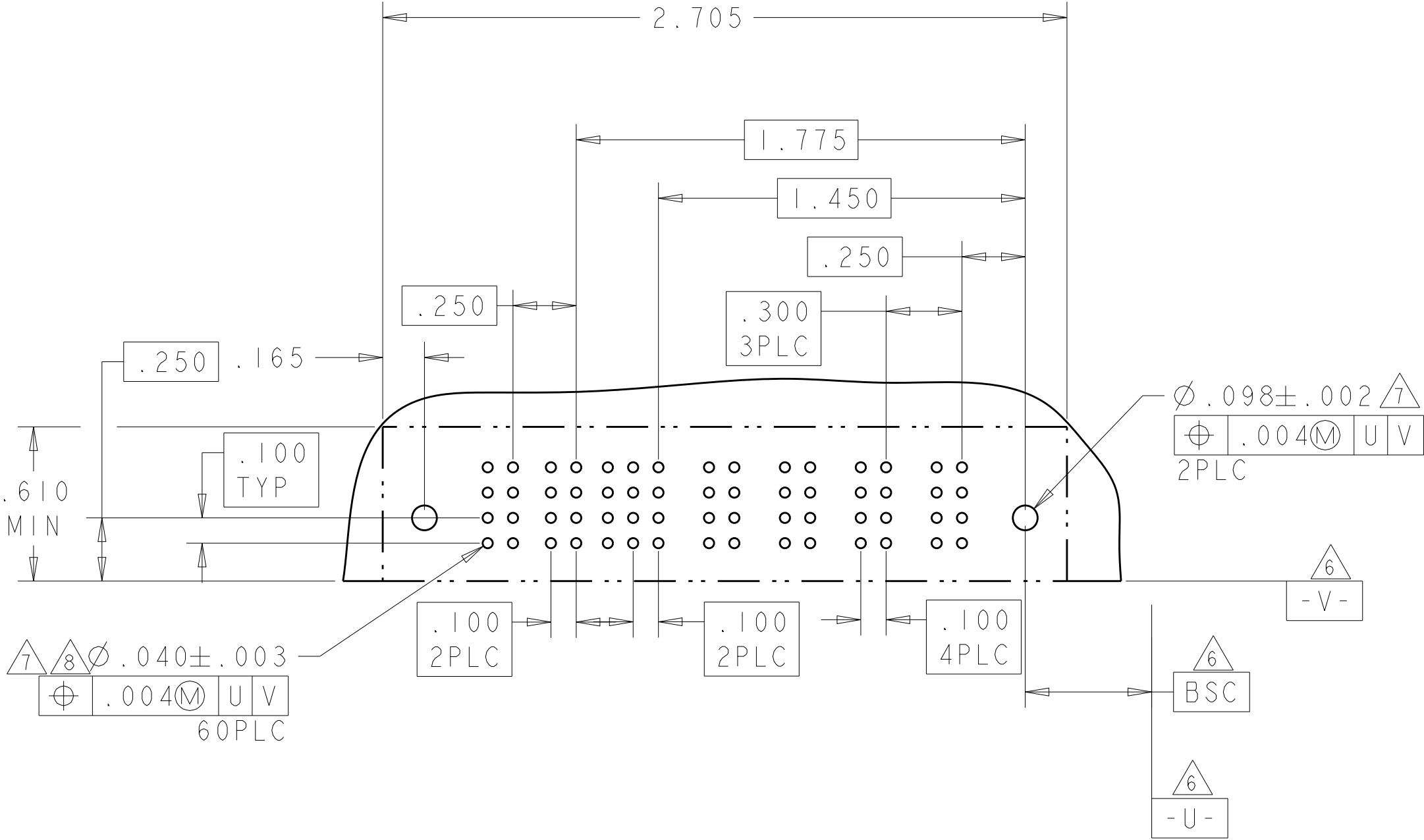
4805 (3/11)

PART NUMBER	ROWS		POWER			SIGNAL						POWER				
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I-6450170-8	D C B A		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																

4805 (3/11)

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

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

21FEB05
21FEB05
-

DIMENSIONS:
INCHES

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

RIGHT ANGLE RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

SIZE
A100779

CAGE CODE
C=6450170

DRAWING NO
-

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
4:1

SHEET
9

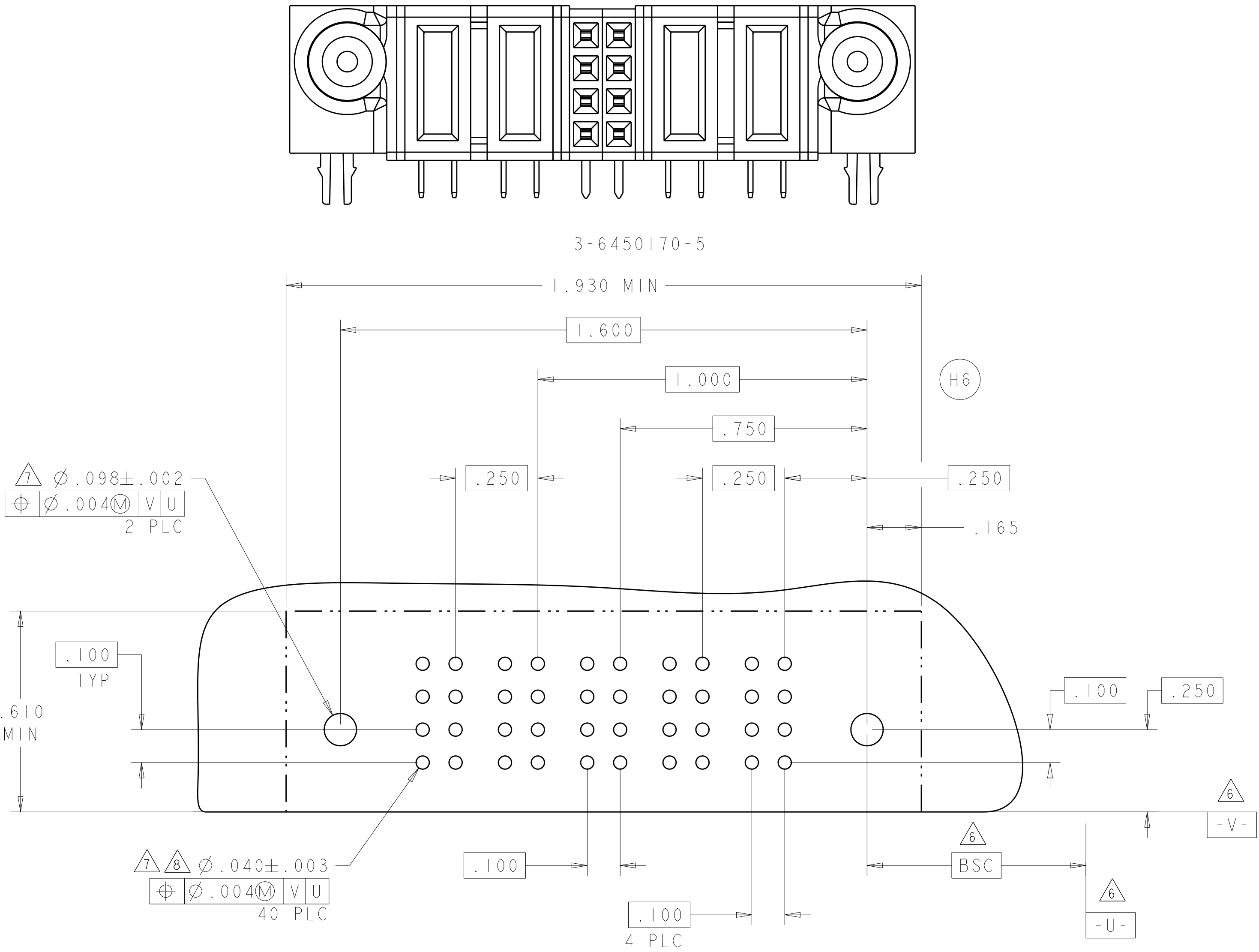
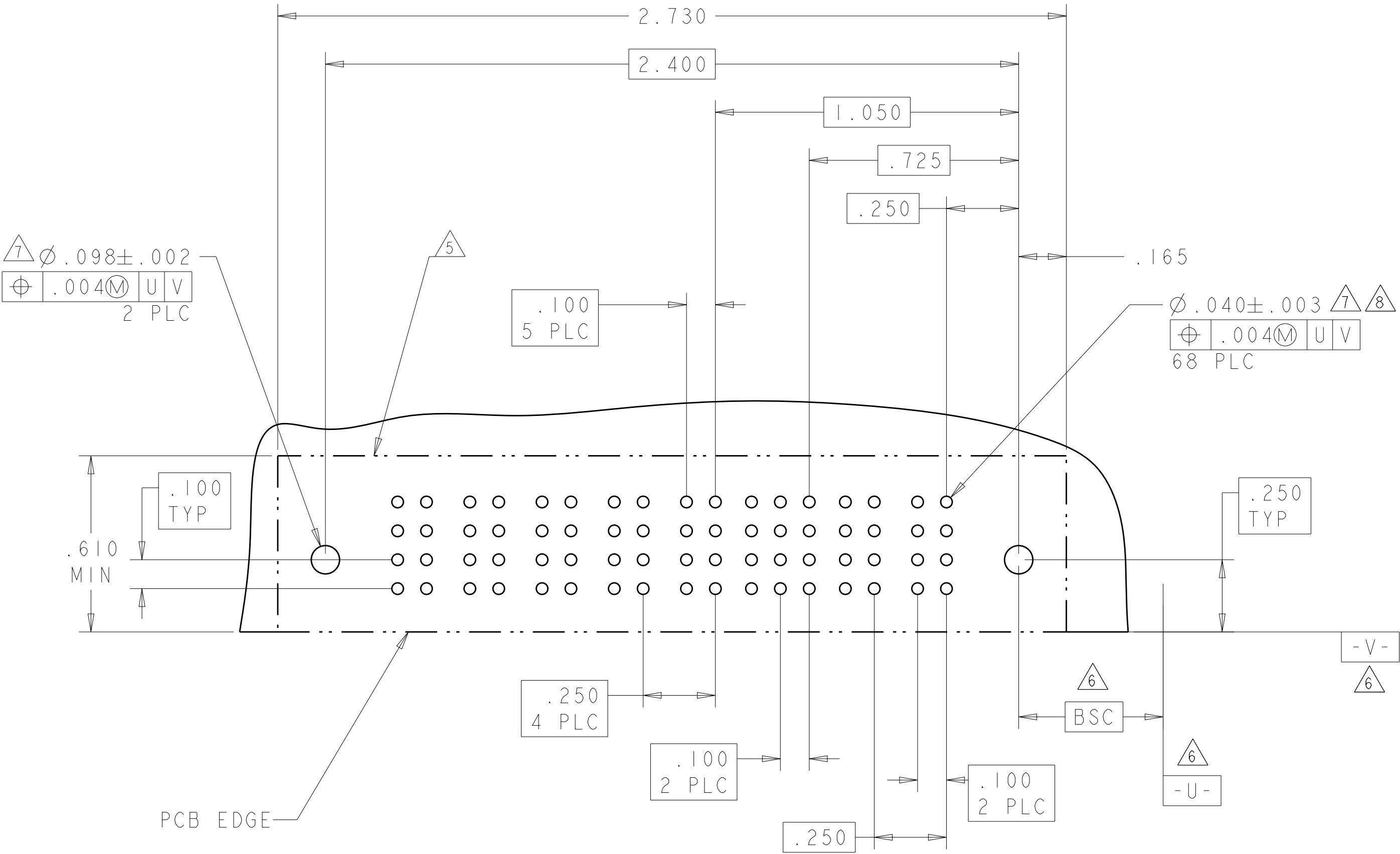
OF
13

REV
J5

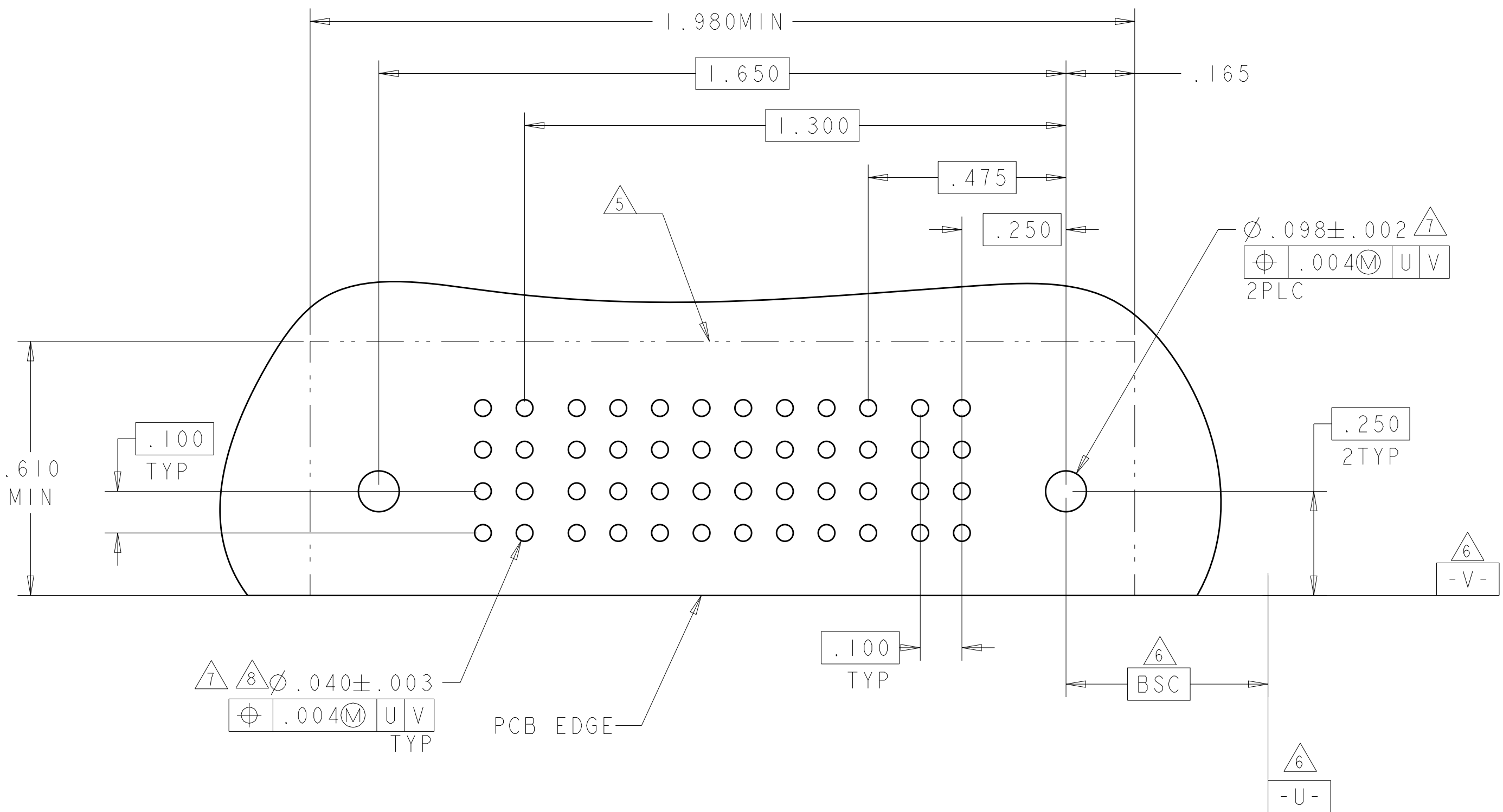
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ES	00	P	LTR	DESCRIPTION		DATE	DWN	APVD
		-		SEE SHEET 1		-	-	-

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	
	C							G	G	G			
	B							F	F	F			
	A							E	E	E			
2P + 12S + 5P													

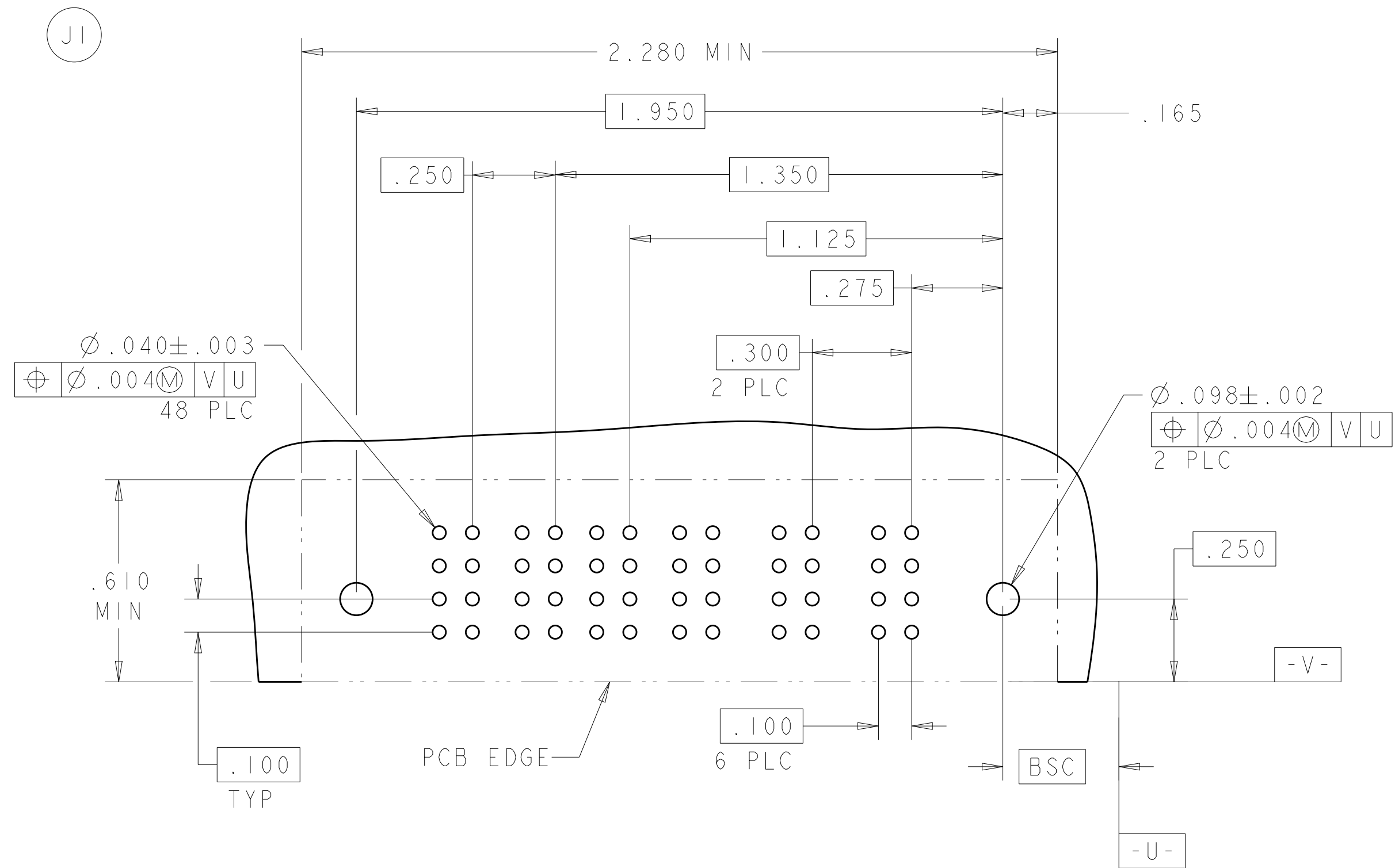
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			P4	P3	2	1	P2	P1	
3-6450170-5	D		RA	RA	H	H	RM	RM	
	C				G	G			
	B				F	F			
	A				E	E			
2P + 8S + 2P									



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

4805 (3/11)

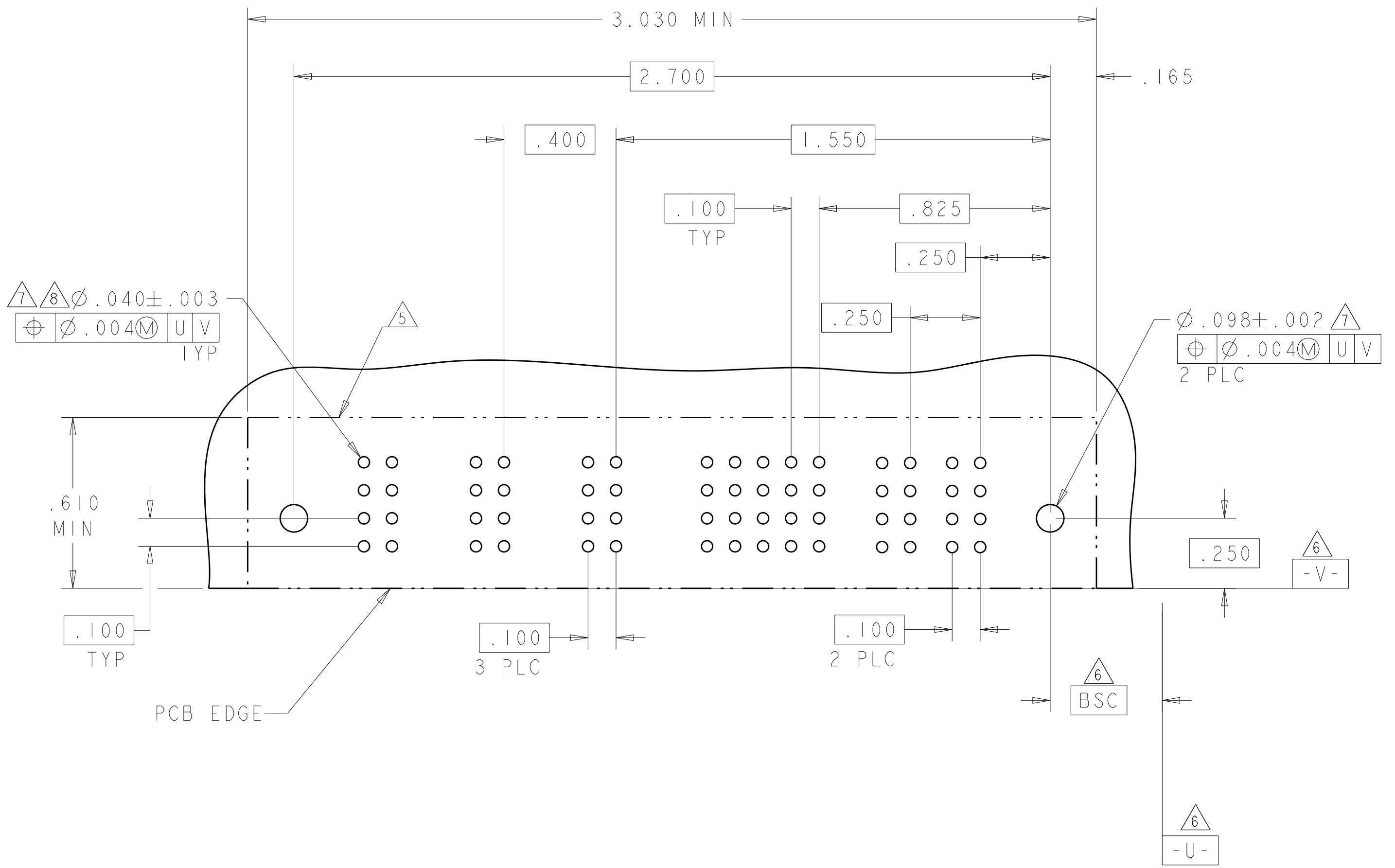
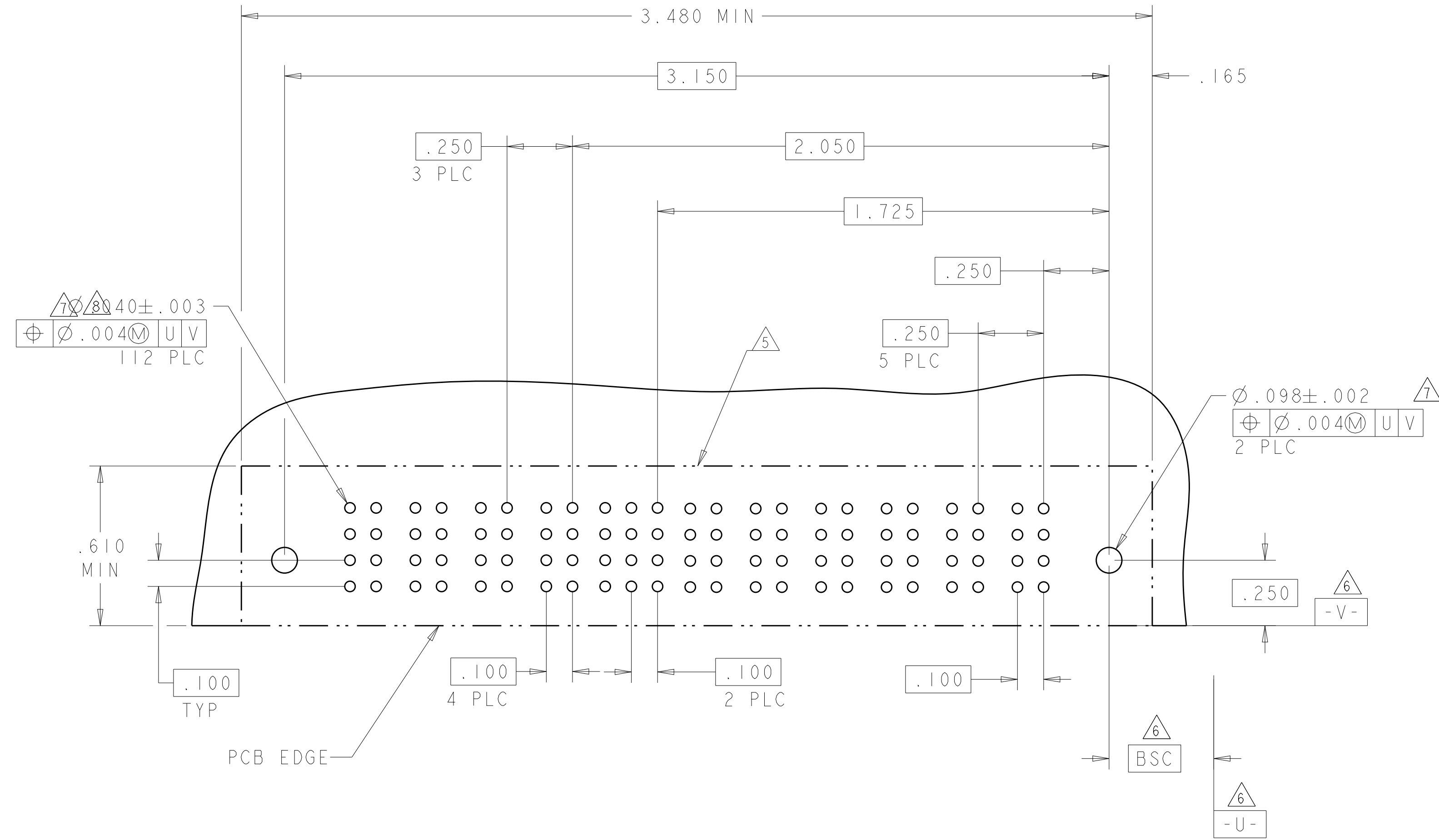
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER				SIGNAL			POWER						
			P10	P9	P8	P7	3	2	1	P6	P5	P4	P3	P2	P1	
4-6450170-0	D		RM	RM	RM	RM	H	H	H	RM	RM	RM	RM	RA	RA	
	G						G	G								
	F						F	F								
	E						E	E								
	A	HD														HD
6P + 12S + 4P																

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																	

NO CONTACTS LOADED

NO CONTACTS LOADED



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

NAME

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT

MATERIAL

CUSTOMER DRAWING

TE Connectivity

RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE A100779 C=6450170
SCALE 4:1 SHEET 13 OF 13 REV J5

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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