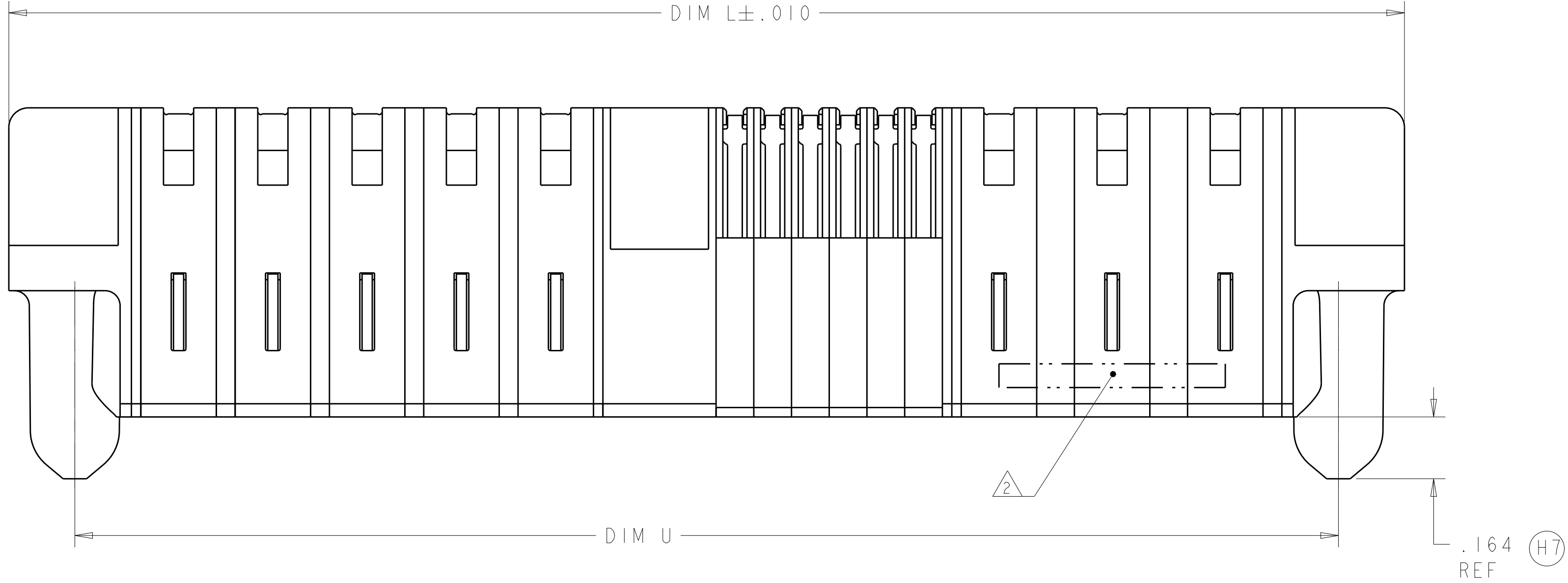
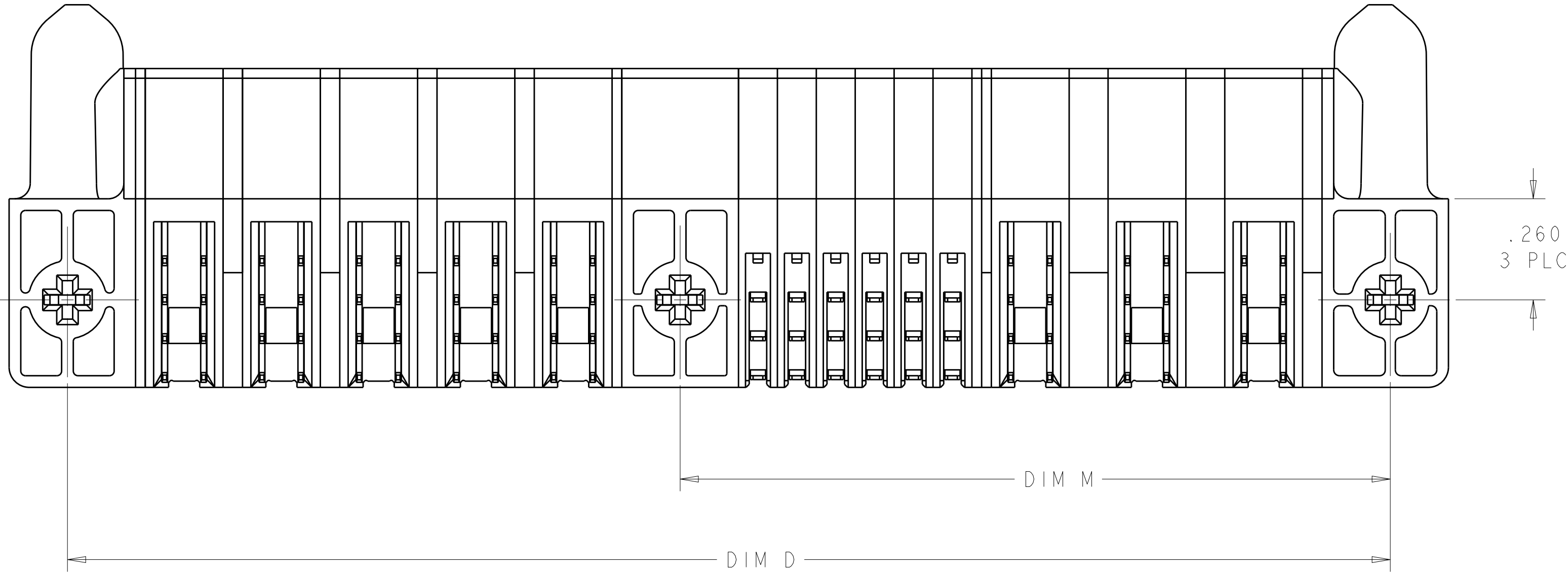
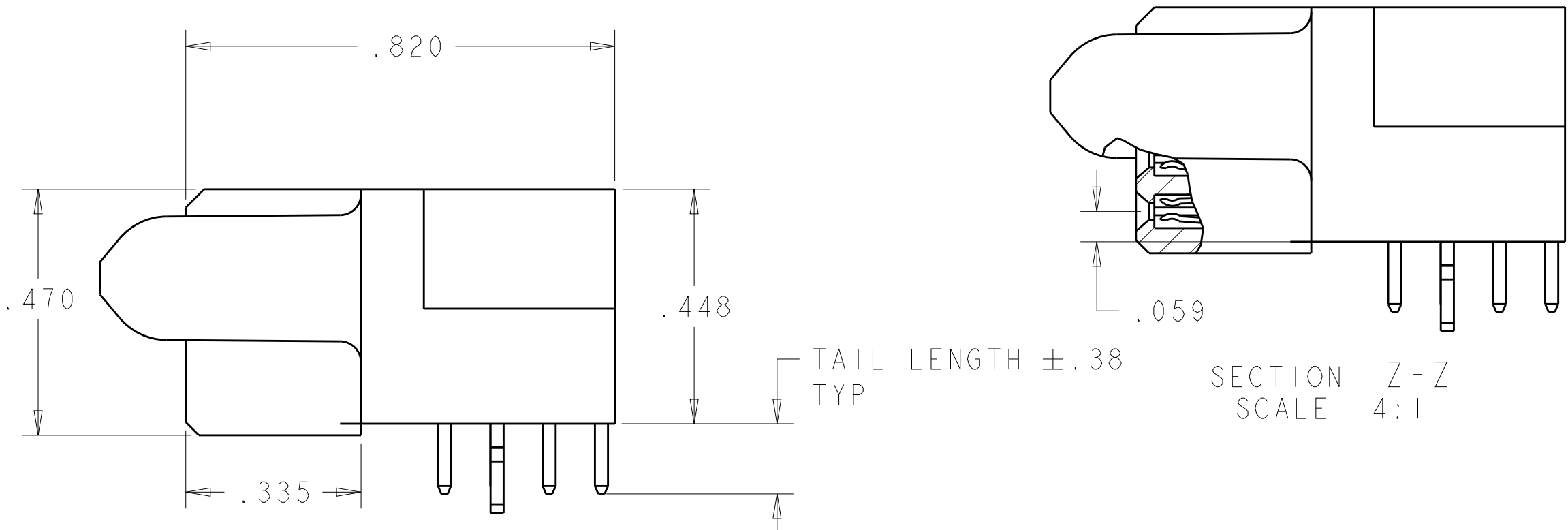
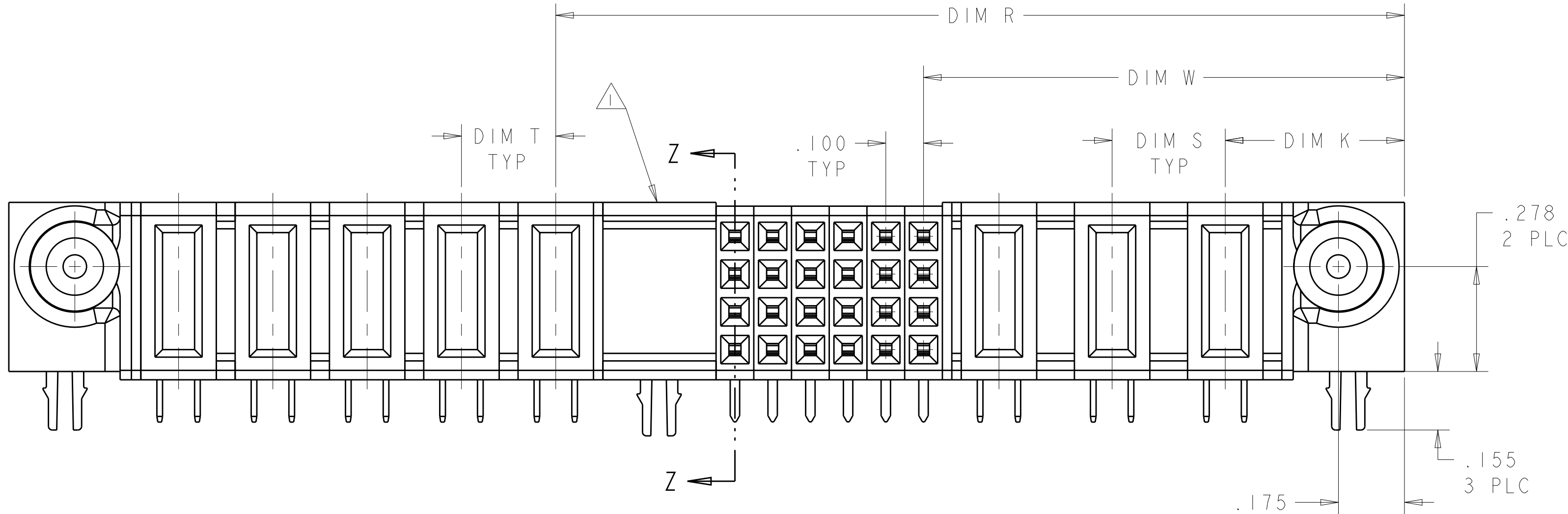


LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
ES	00		J1	REV PER ECR-12-016975	25SEP2012	CZ
			J3	ADDED NEW DASH NUMBER 4-0	01FEB2013	SZ
			J5	ADDED NEW DASH NUMBER 4-1	25FEB2014	SZ



- 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	SIZE CAGE CODE DRAWING NO	
3		4	A100779C=6450170	
		CUSTOMER DRAWING	RESTRICTED TO	
			SCALE 4:1 SHEET 1 OF 13 REV J5	

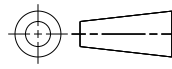
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-

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

21FE805

21FE805

-

NAME
RIGHT ANGLE RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

SIZE
A1

CAGE CODE
100779

DRAWING NO
6450170

RESTRICTED TO
-

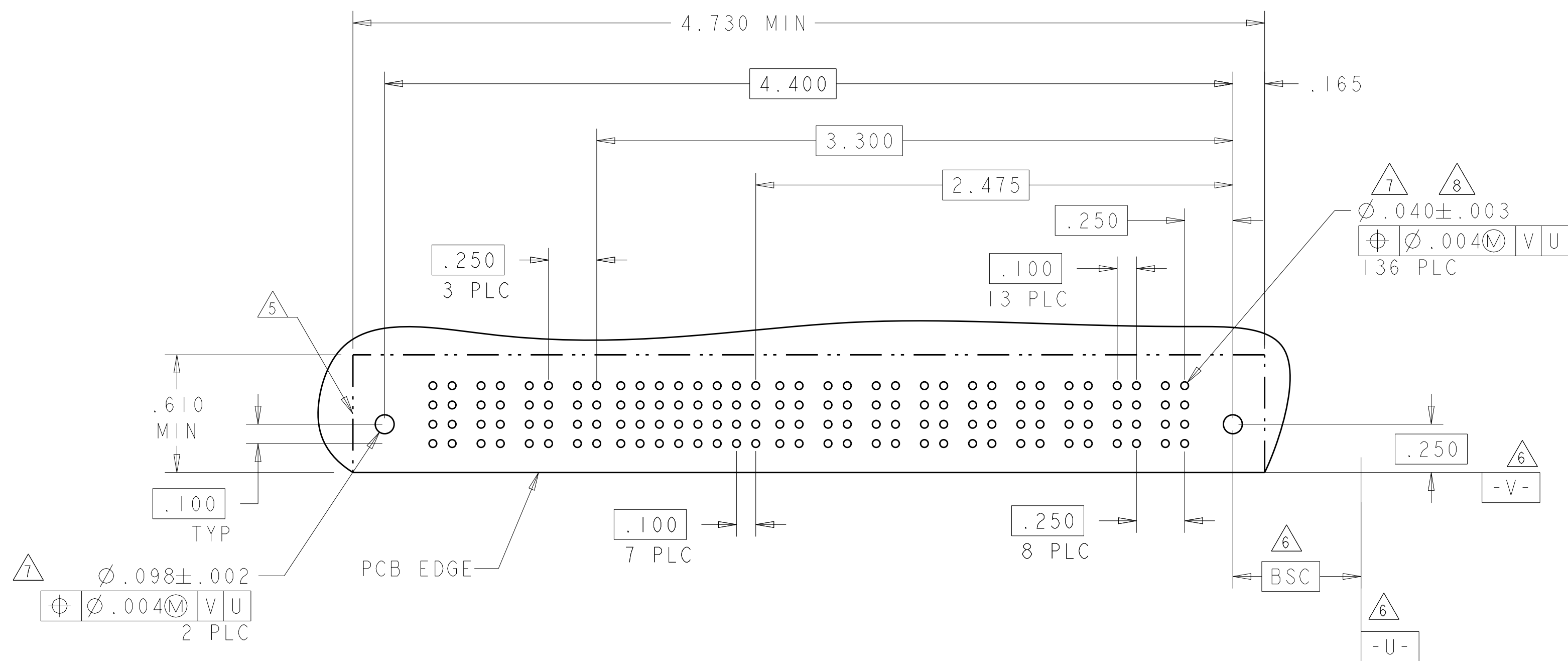
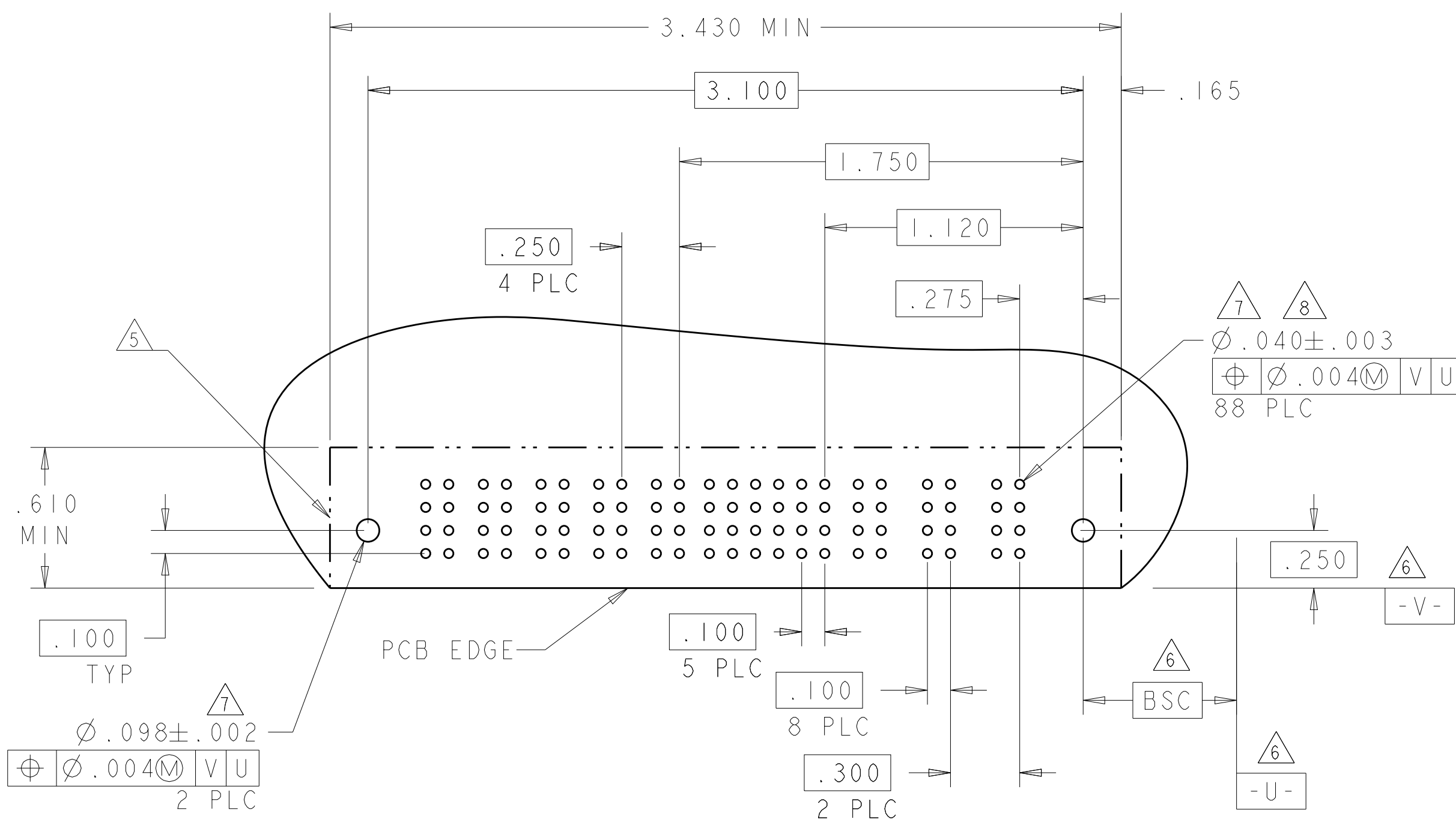
SCALE
4:1

SHEET
2

OF
13

REV
J5

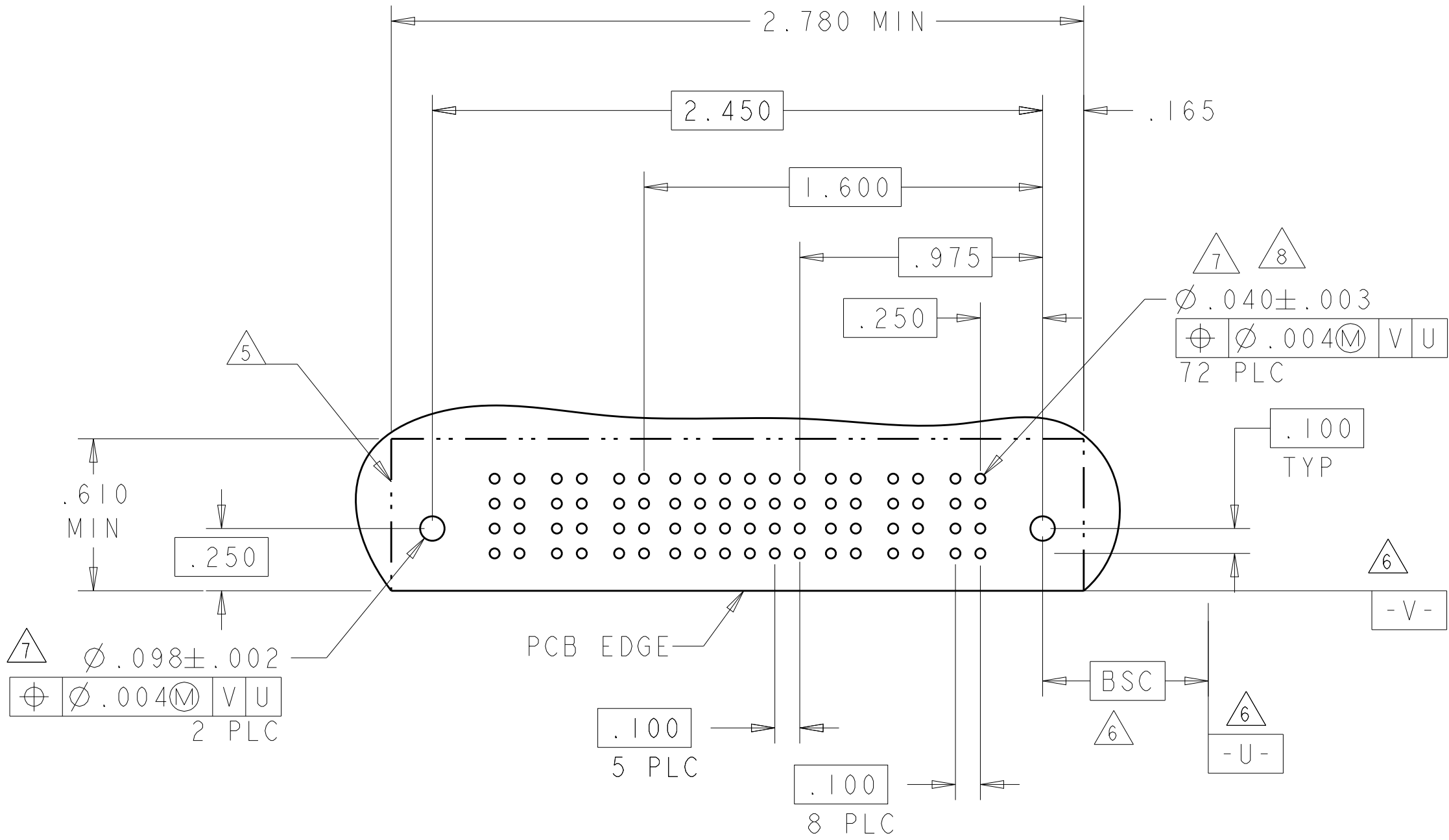
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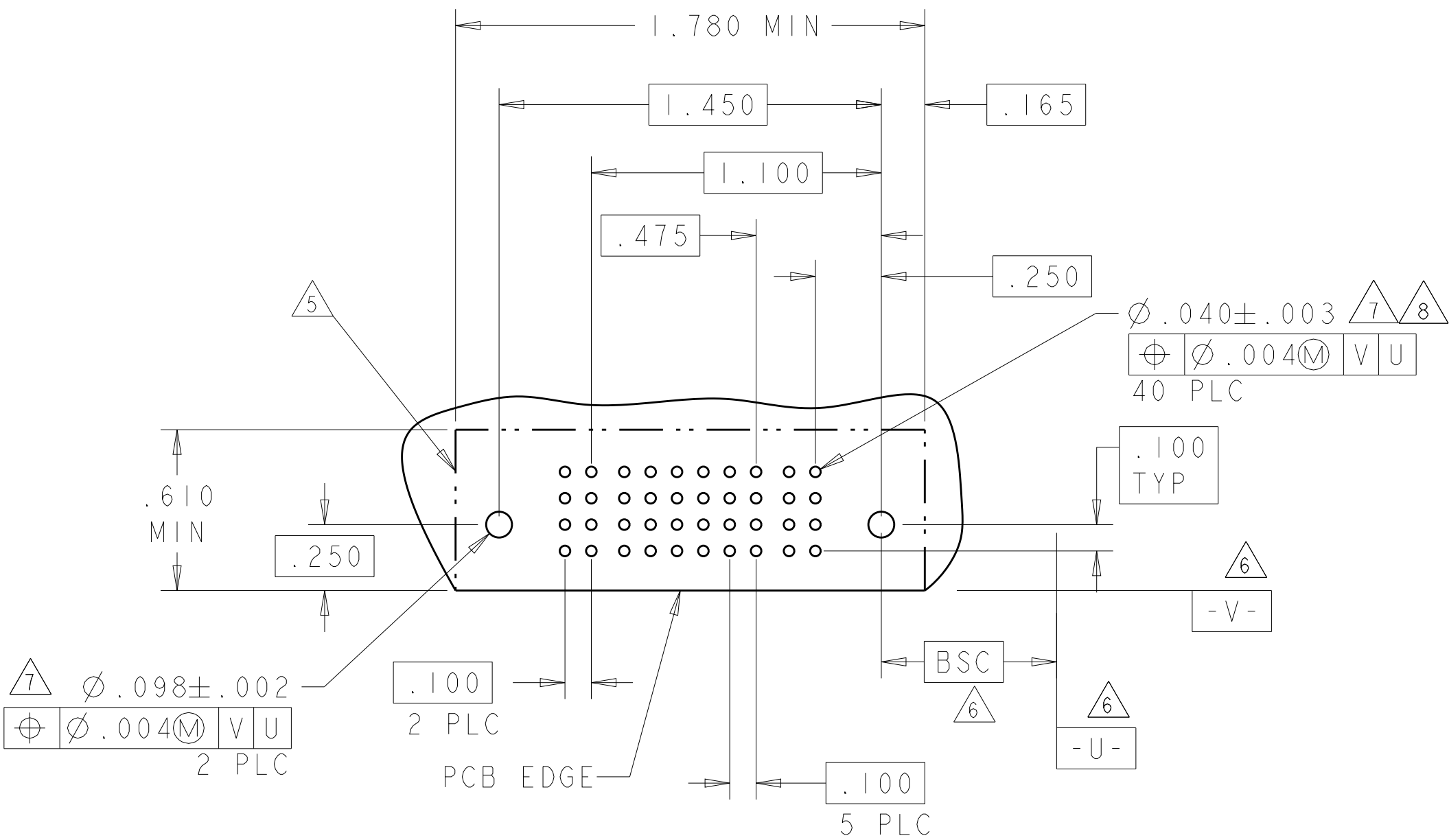
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DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME:	
		0 PLC ± 1 PLC ± 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±°		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
MATERIAL:		FINISH:		SIZE: CAGE CODE: DRAWING NO:	
-		-		A100779C6450170	
-		-		RESTRICTED TO:	
-		-		WEIGHT:	
-		-		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	-	-	-

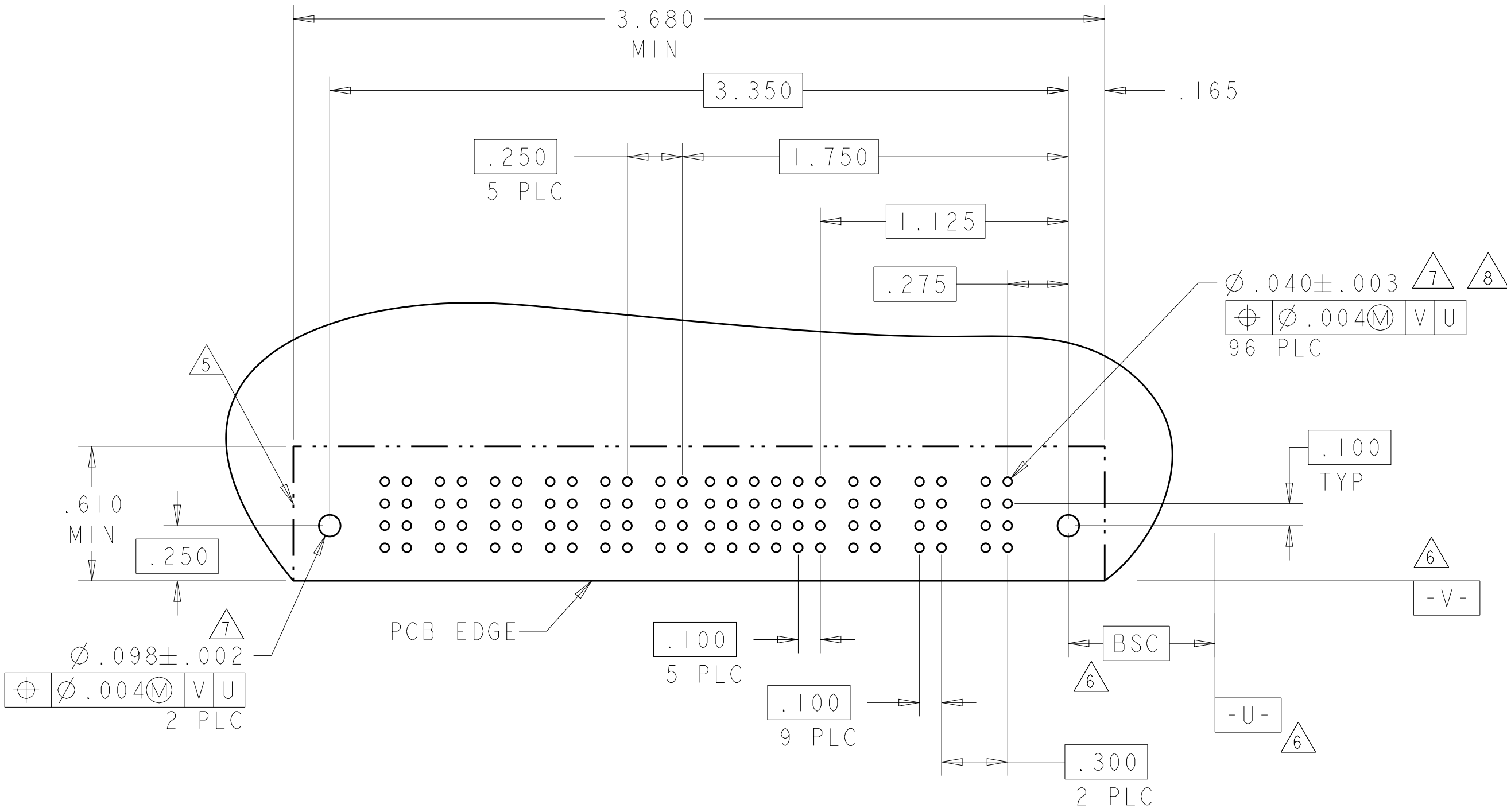
PART NUMBER	ROWS		POWER			SIGNAL						POWER				
			P6	P5	P4	6	5	4	3	2	1	P3	P2	P1		
6450170-5	D C B A		RA	RM	RM	H	H	G	H	H	H	H	RM	RM	RA	
						G	G	G	G	G	G	G				
						F	F	F	F	F	F	F				
						E	E	E	E	E	E	E				
3P + 24S + 3P			HD													



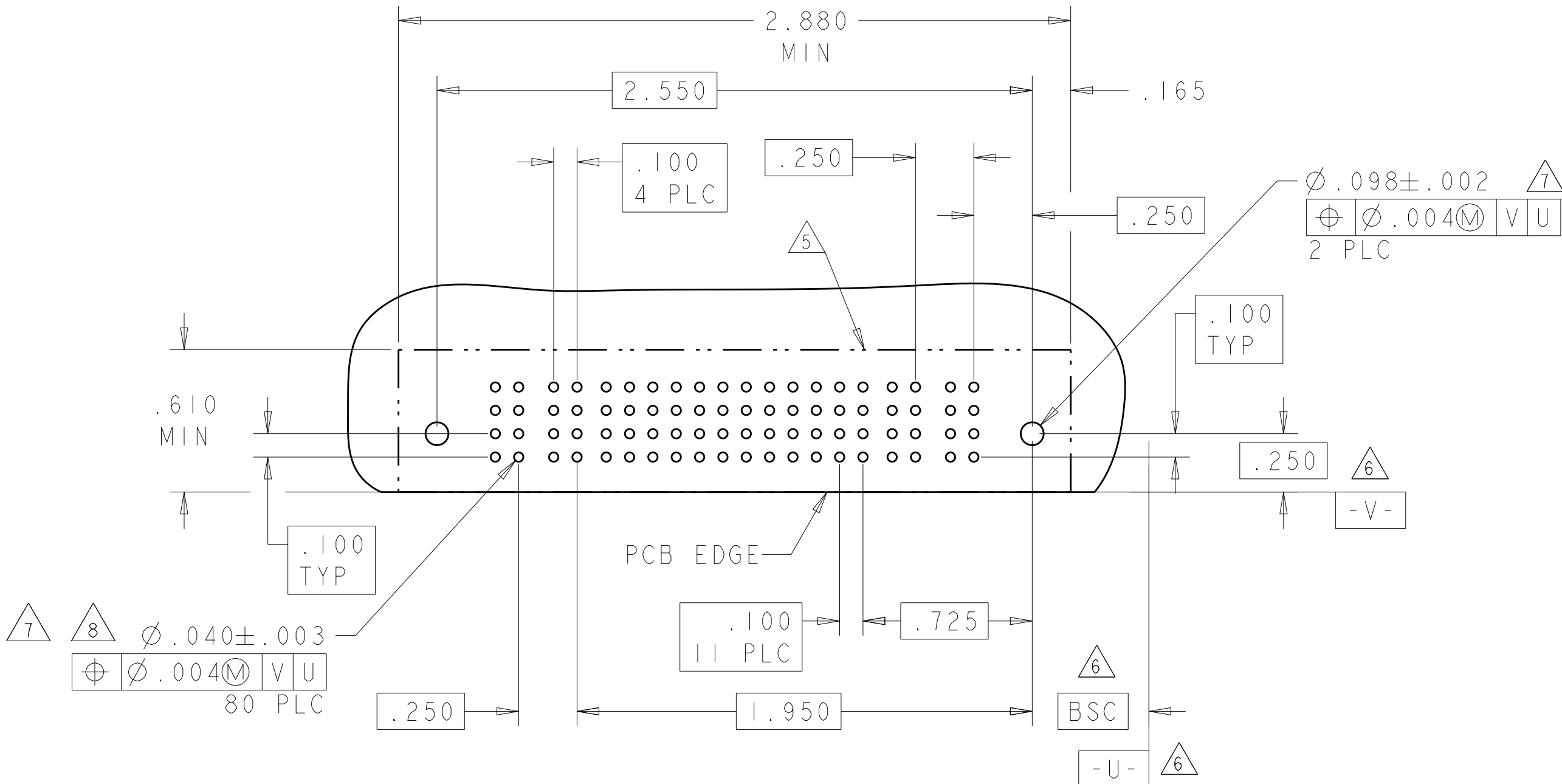
PART NUMBER	ROWS	POWER		SIGNAL							POWER	
		P2		6	5	4	3	2	1	P1		
6450170-6	D C B A	RB	K	K	K	K	K	K	K	RN	HD	
1P + 24S + 1P		HD										



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

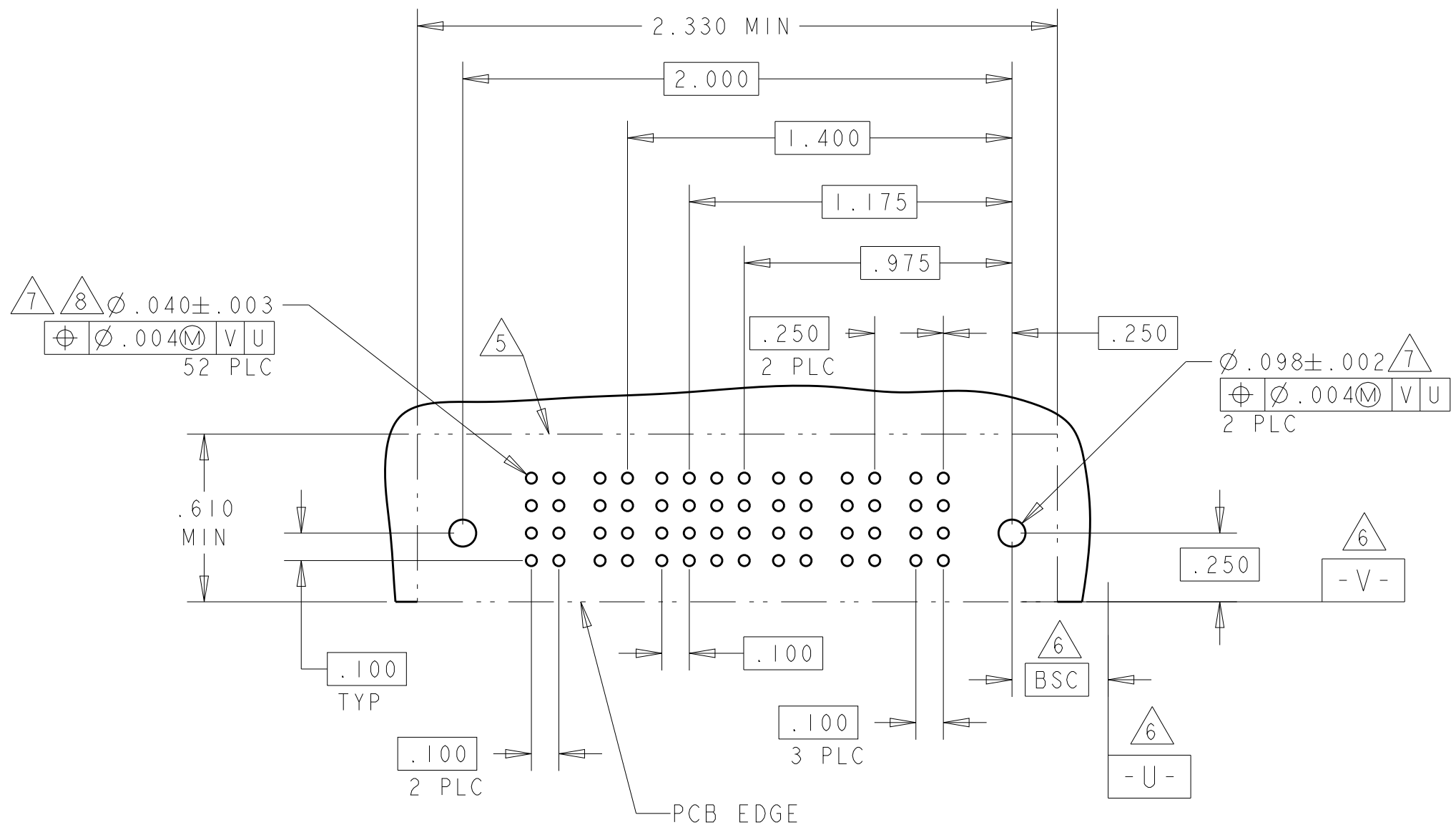


PART NUMBER	ROWS			POWER		SIGNAL												POWER			
		P4	P3	12	11	10	9	8	7	6	5	4	3	2	1	P2	P1				
6450170-9	D C B A				RM	RA	H	G	H	G	H	G	H	G	H	G	H	G	RM	RA	
							G	G	G	G	G	G	G	G	G	G	G	G			
							F	F	F	F	F	F	F	F	F	F	F	F			
							E	E	E	E	E	E	E	E	E	E	E	E			
2P + 48S + 2P																				HD	

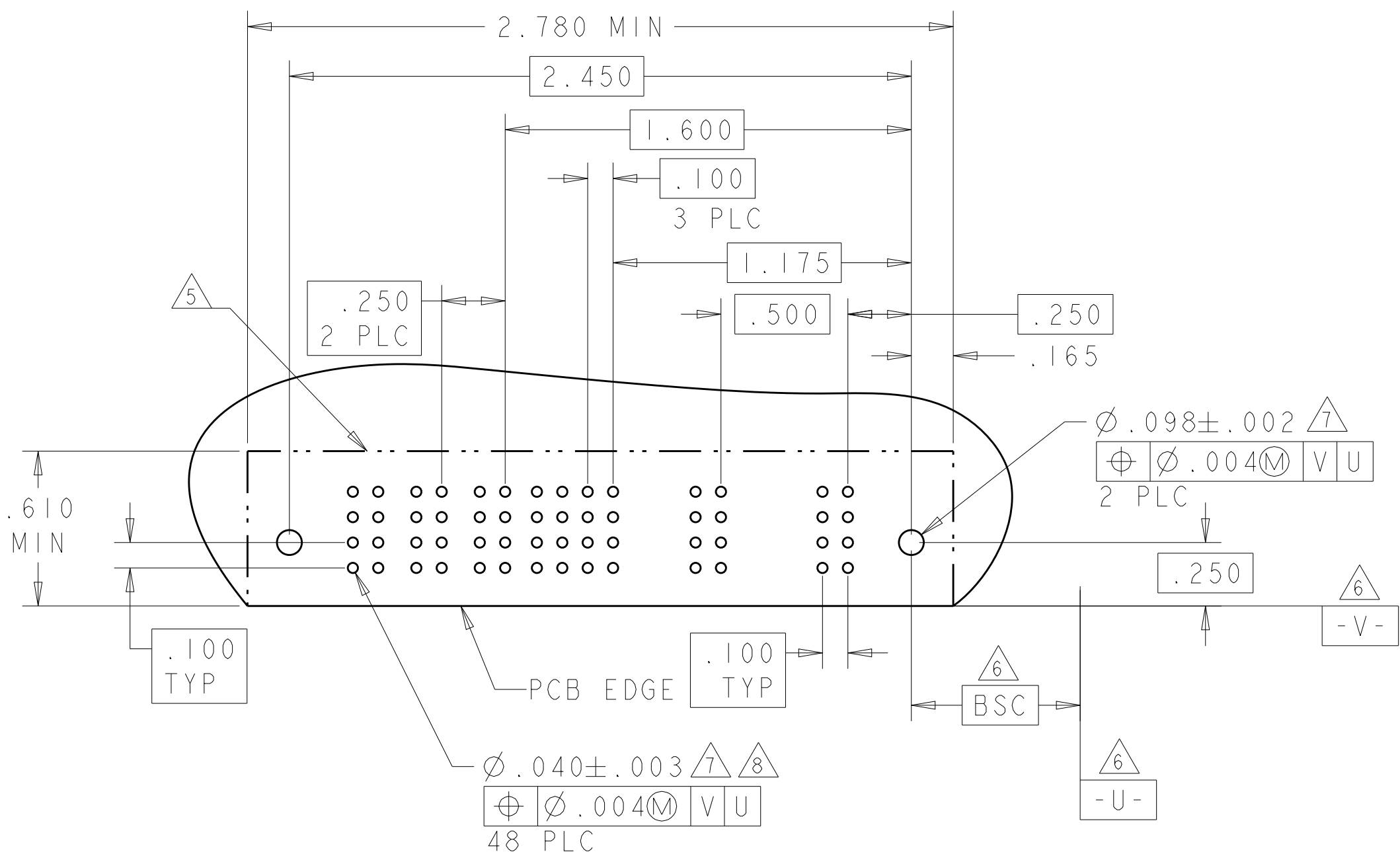


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	21FEB05	 TE Connectivity							
DIMENSIONS: INCHES		CHK M. PERCHERKE	21FEB05								
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	-	NAME							
		PRODUCT SPEC		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL							
		108-1973									
		APPLICATION SPEC									
		114-13038									
		WEIGHT									
MATERIAL		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO			
-		A1		100779		C-6450170		-			
CUSTOMER DRAWING		SCALE		4:1		SHEET		4 OF 13		REV J5	

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



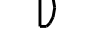
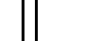
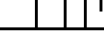
PART NUMBER	ROWS	POWER			SIGNAL							POWER																			
		P6	P5	P4	6	5	4	3	2	1	P3	P2	P1																		
2-6450170-7	D C B A																														
																		<													

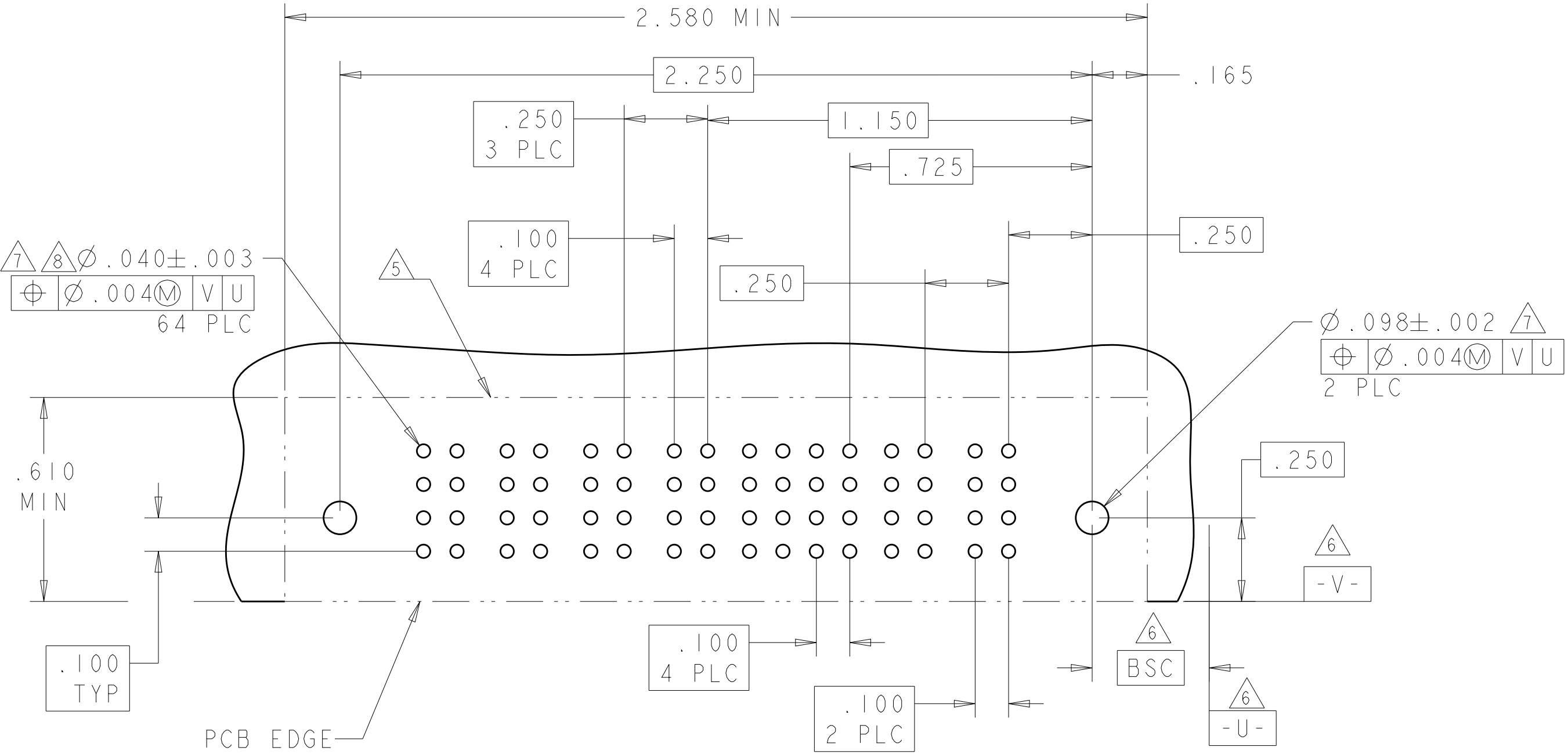
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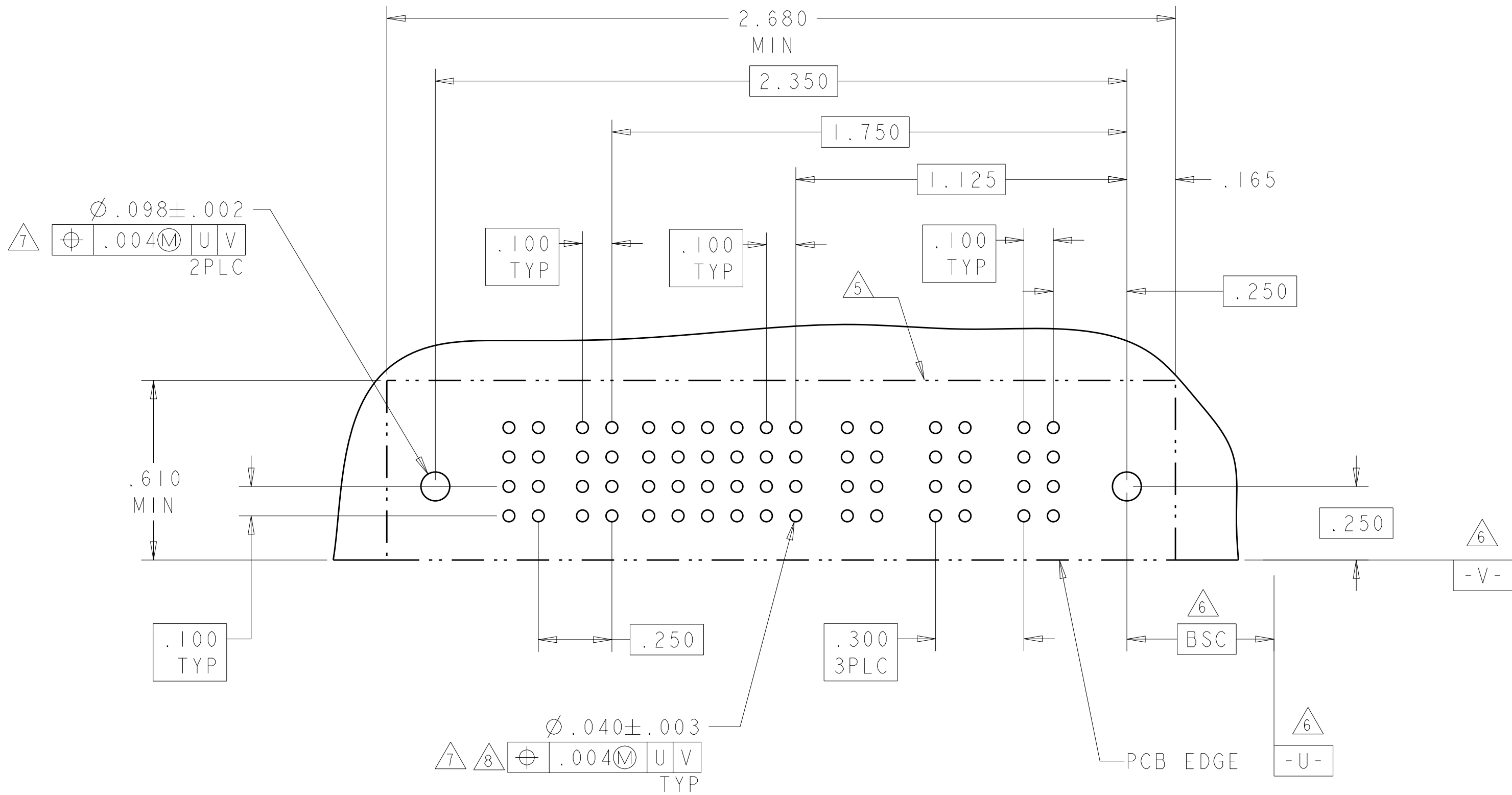
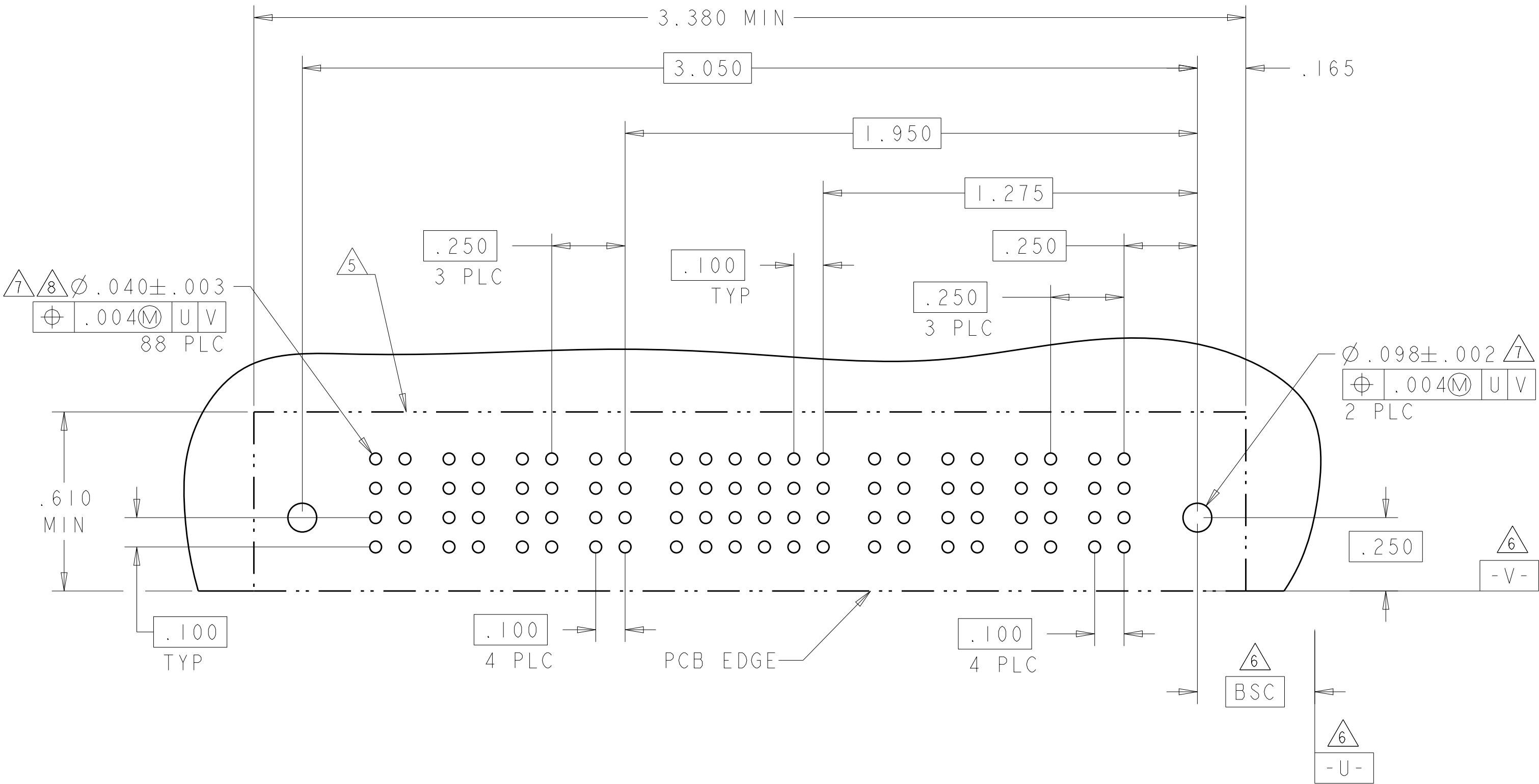
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWA R. GRZYBOWSKI		Z1FEBO5		 TE Connectivity	
		CMP M. PERCHERKE		Z1FEBO5			
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		0 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± ^{0.020}		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT -			
		FINISH -		CASE CODE 100779		DRAWING NO C-6450170	
MATERIAL -		-		CUSTOMER DRAWING		SCALE 4:1	
						SHEET 5 OF 13	
						REV J5	

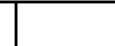
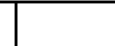
LOC		DIST		REVISIONS				
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
			-	SEE SHEET 1	-	-	-	

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

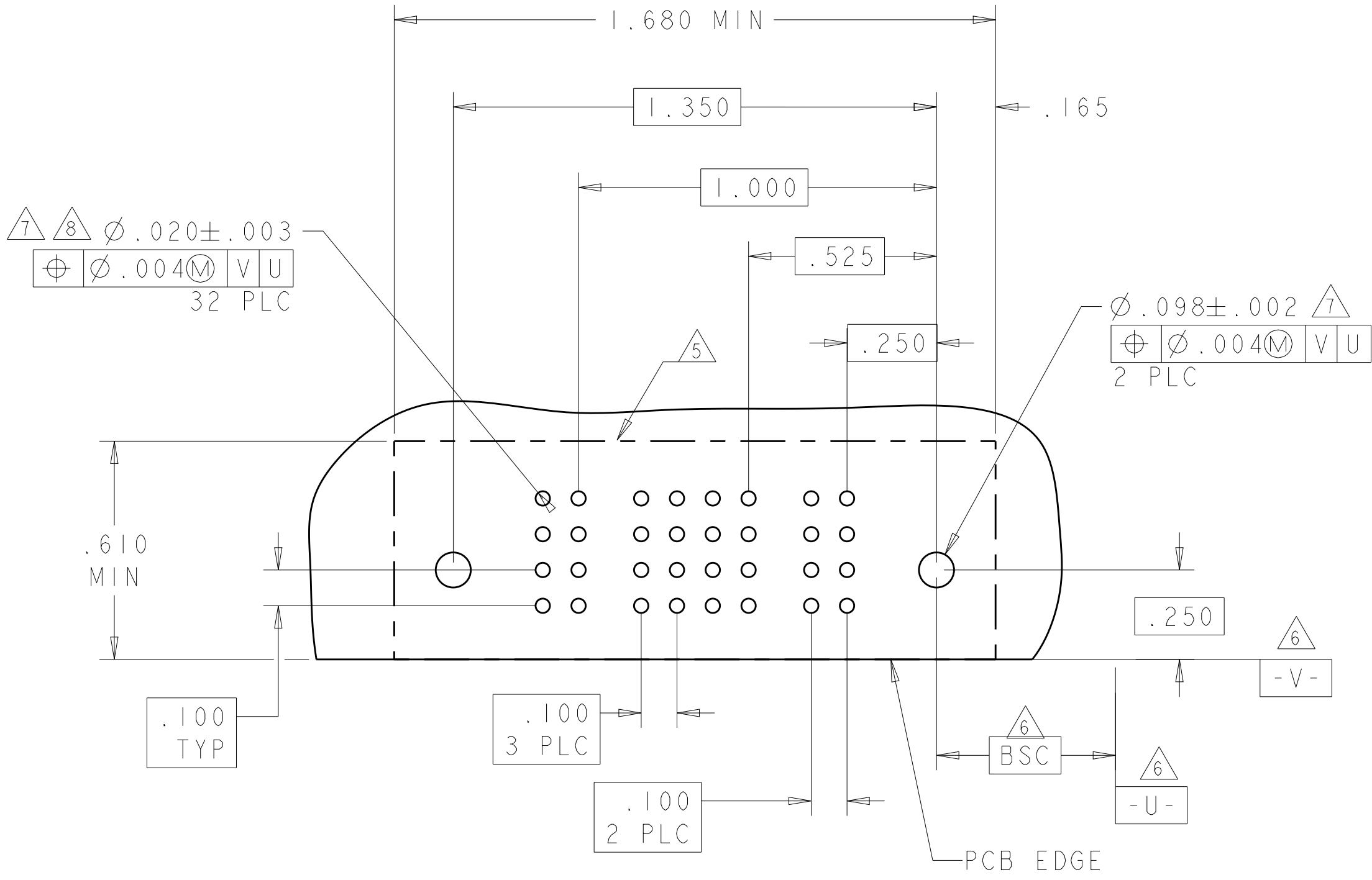


PART NUMBER	ROWS		POWER		SIGNAL						AC POWER				
			P5	P4	6	5	4	3	2	1	P3	P2	P1		
2-6450170-8	D		RA	RA	H	H	H	H	H	H	RA	RM	RM		
	C				G	G	G	G	G	G					
	B				F	F	F	F	F	F					F
	A				E	E	E	E	E	E					E
3ACP + 24S + 2P															

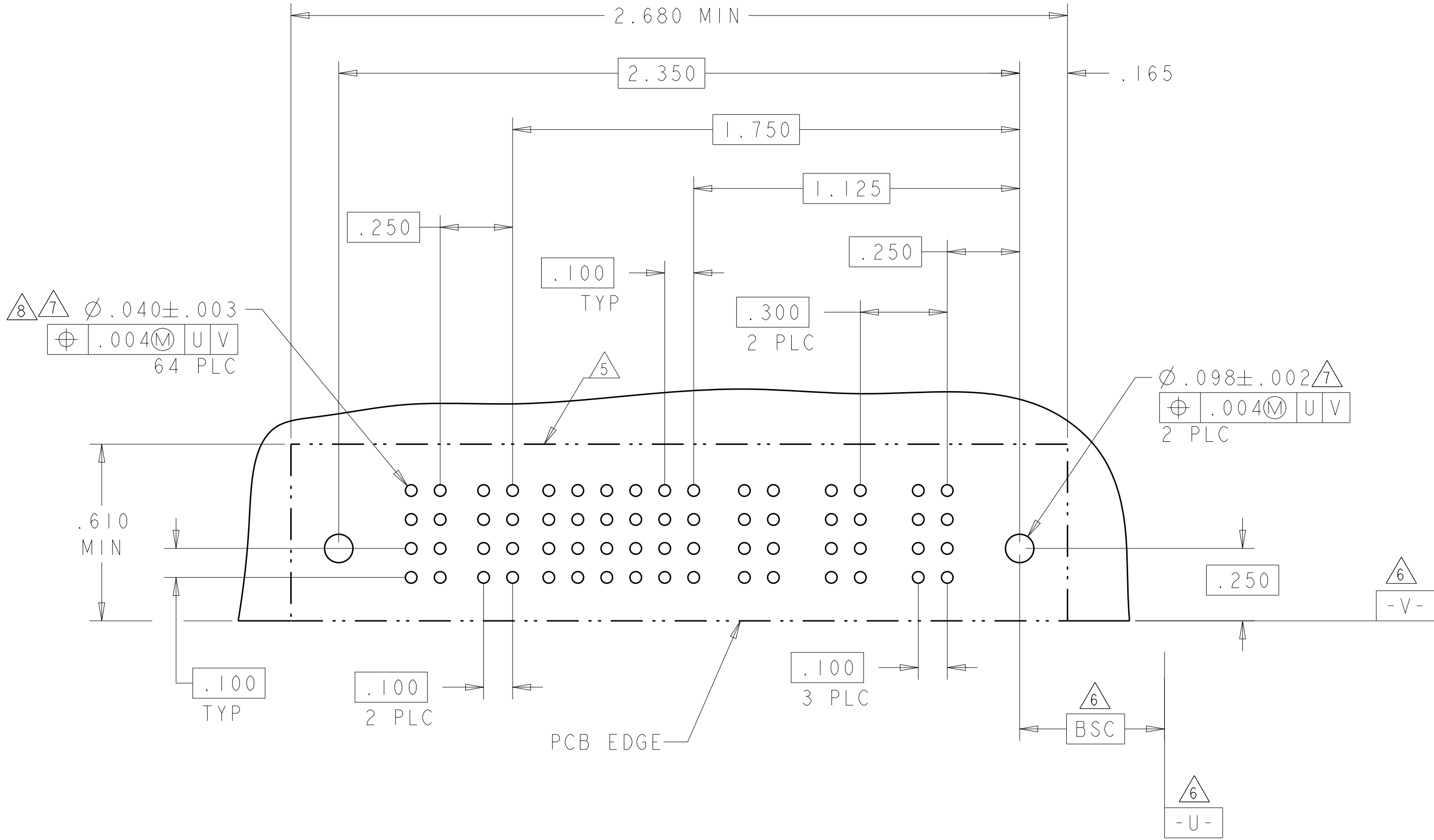
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. GRZYBOWSKI	21FEB05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE	21FEB05		
		APVD M. PERCHERKE	-	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		PRODUCT SPEC 108-1973		SIZE A100779	
MATERIAL -		APPLICATION SPEC 114-13038		CAGE CODE C=6450170	
		WEIGHT -		RESTRICTED TO -	
		FINISH -		CUSTOMER DRAWING	
				SCALE 4:1	
				SHEET 6 OF 13	
				REV J5	

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

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



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

PRODUCT SPEC: 108-1973

APPLICATION SPEC: 114-13038

WEIGHT: -

CUSTOMER DRAWING

SIZE: A1

CAGE CODE: 00779

DRAWING NO: 6450170

SCALE: 4:1

SHEET: 7 OF 13

REV: J5

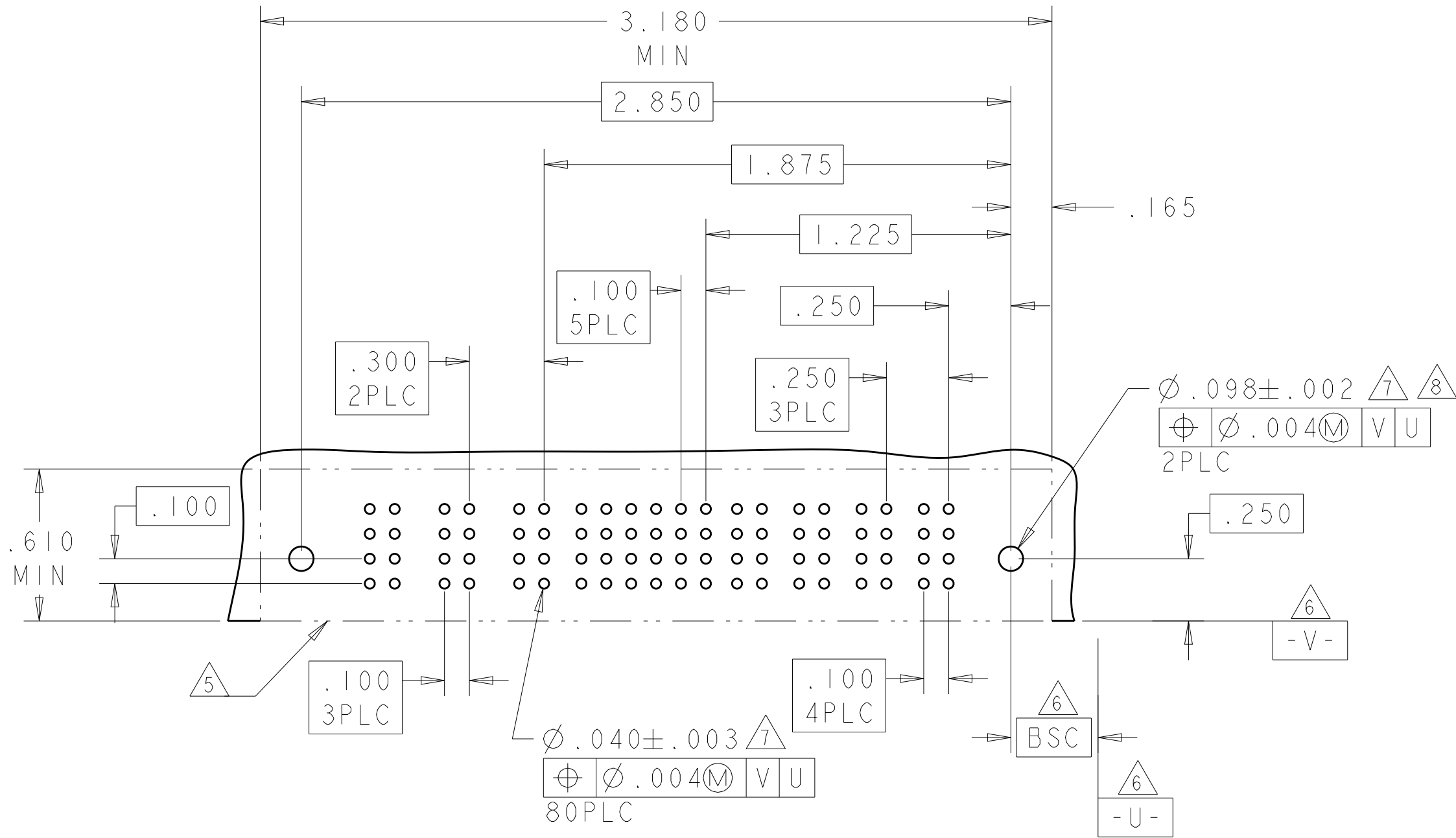
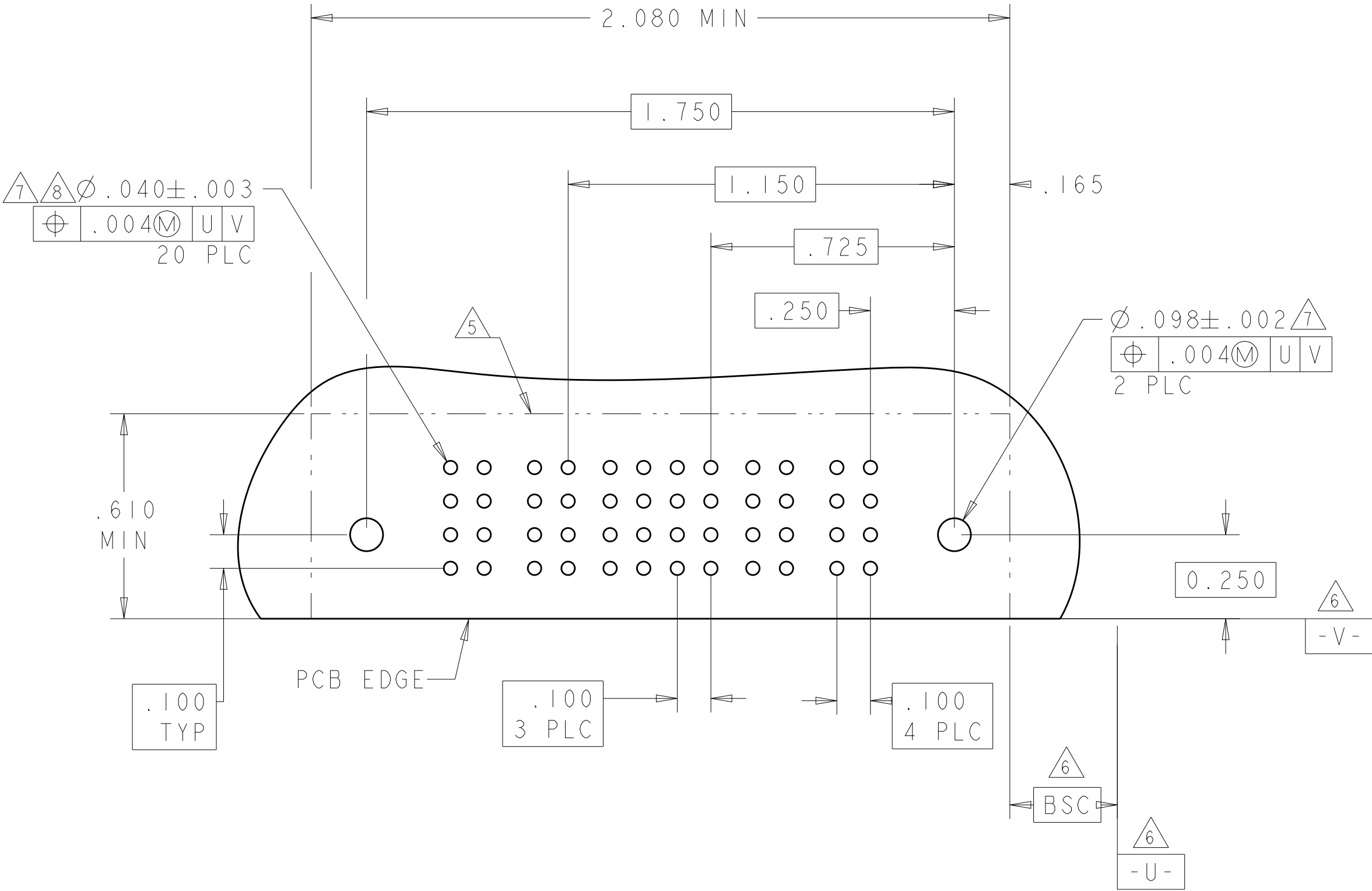
RESTRICTED TO: -

TE Connectivity

LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	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	
	C					G	G	G	G	G	G					
	B					F	F	F	F	F	F					
	A	HD				E	E	E	E	E	E					HD
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: 100779
DRAWING NO: C=6450170

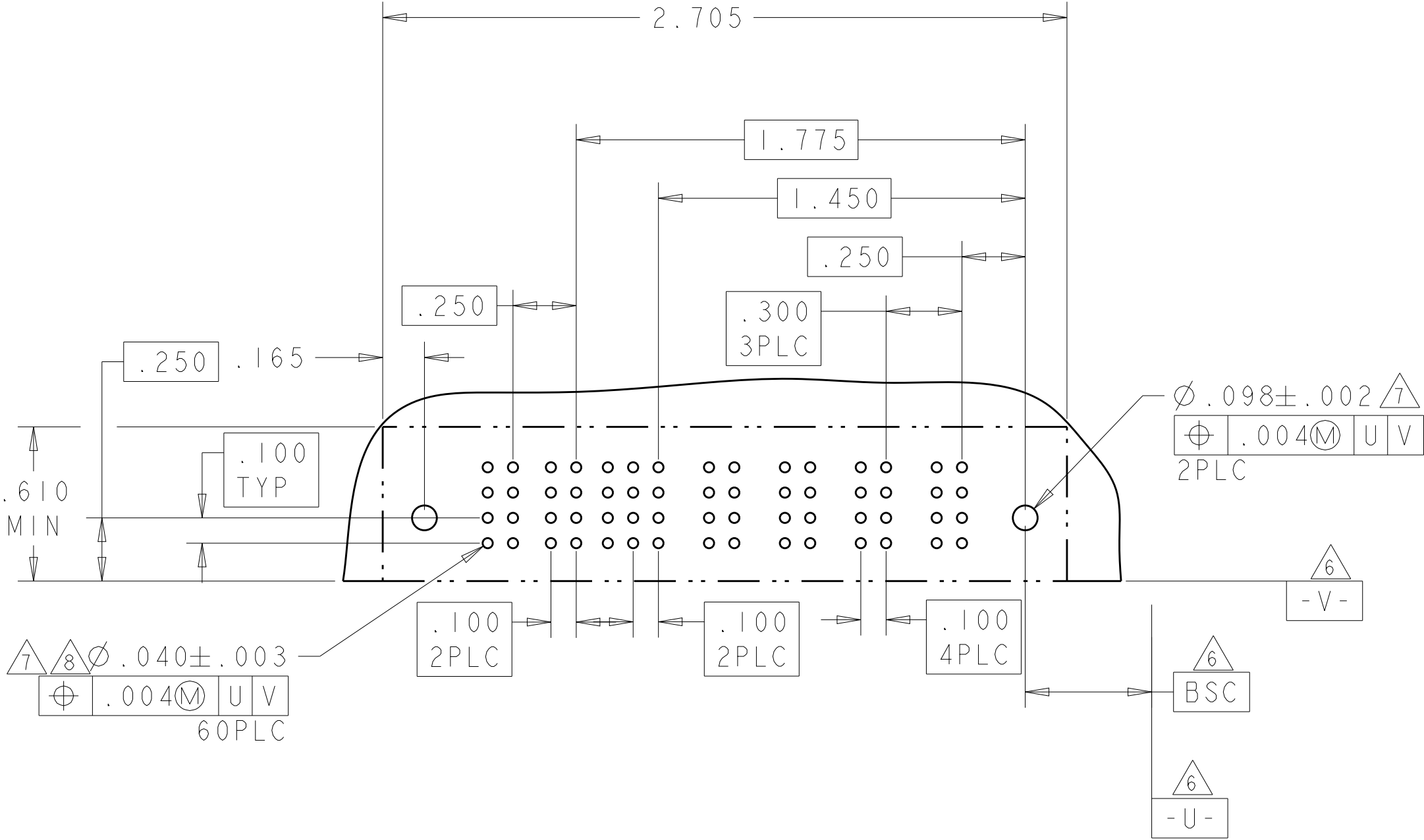
RESTRICTED TO: -

TE Connectivity

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

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													
	C													
	B													
	A													
	HD												HD	
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

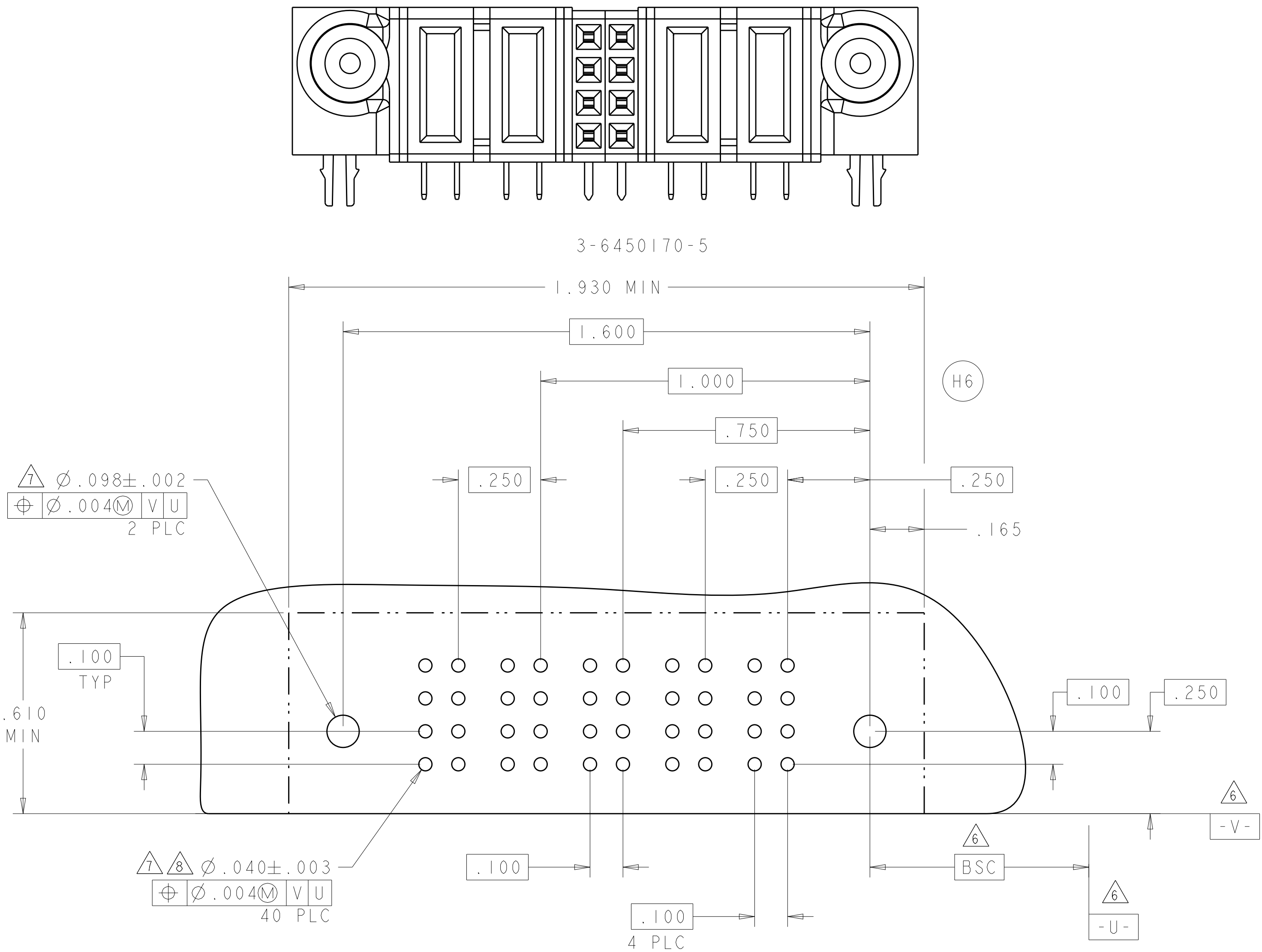
OF
13

REV
J5

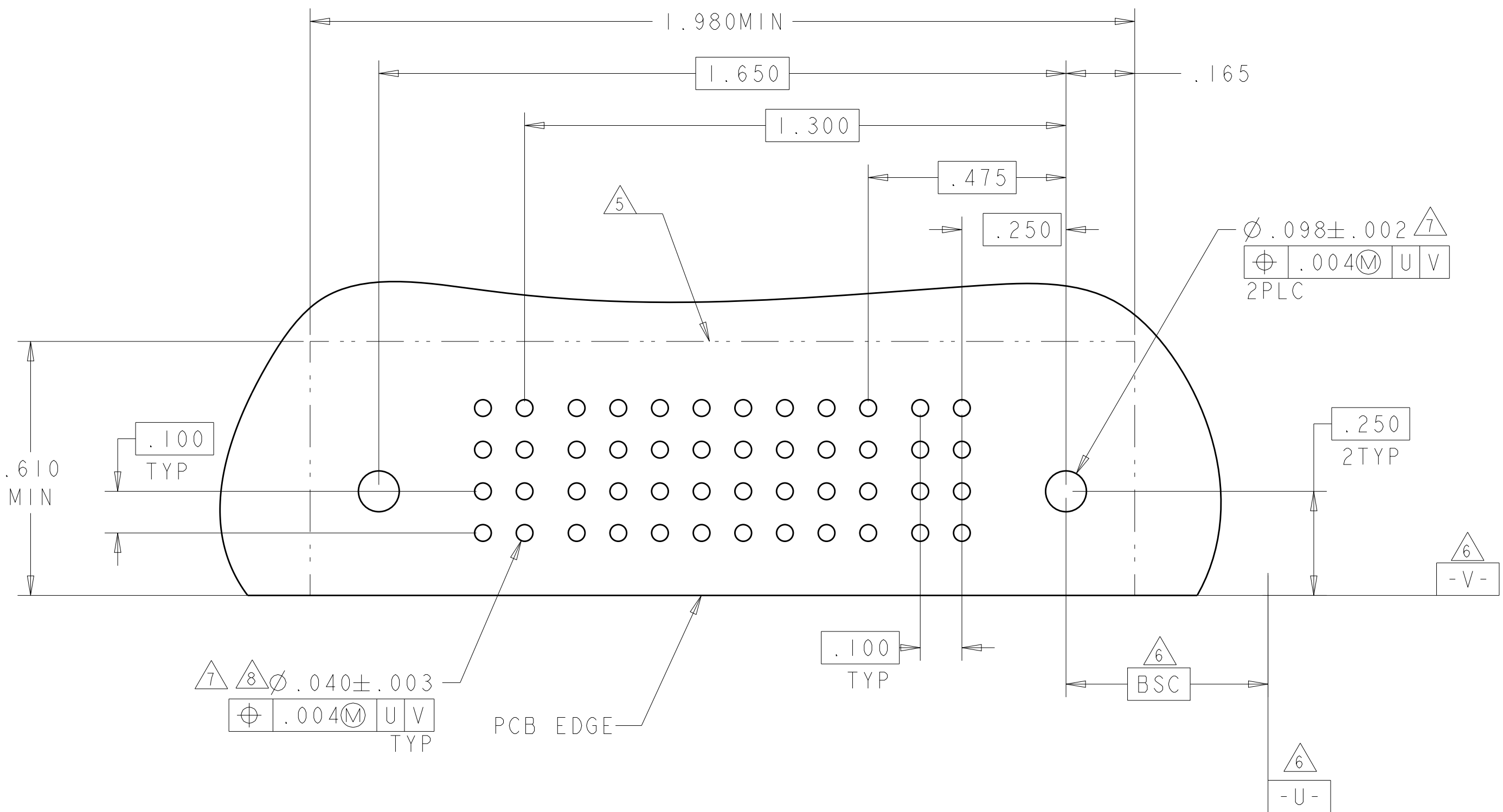
TE Connectivity

RIGHT ANGLE RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

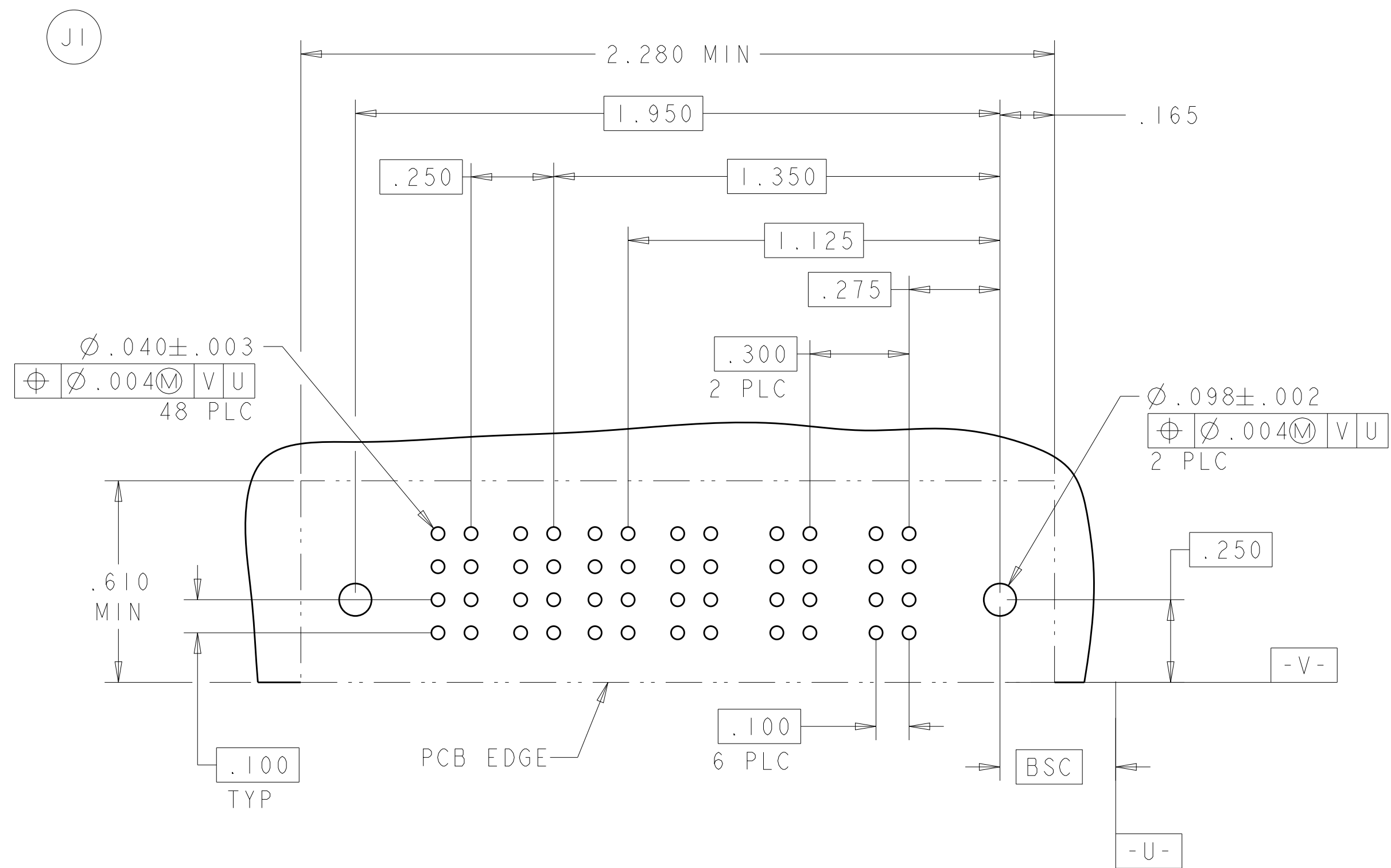
PART NUMBER	ROWS		POWER		SIGNAL		POWER		
			P4	P3	2	1	P2	P1	
3-6450170-5	D C B A								
2P + 8S + 2P									

4805 (3/11)

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)

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																	

3.030 MIN

2.700

.165

.400

1.550

.100 TYP

.825

.250

.250

$\varnothing .040 \pm .003$

$\varnothing .004$ M U V

TYP

5

$\varnothing .098 \pm .002$

$\varnothing .004$ M U V

2 PLC

.610 MIN

.100 TYP

3 PLC

.100

2 PLC

6

-V-

6

-U-

PCB EDGE

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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