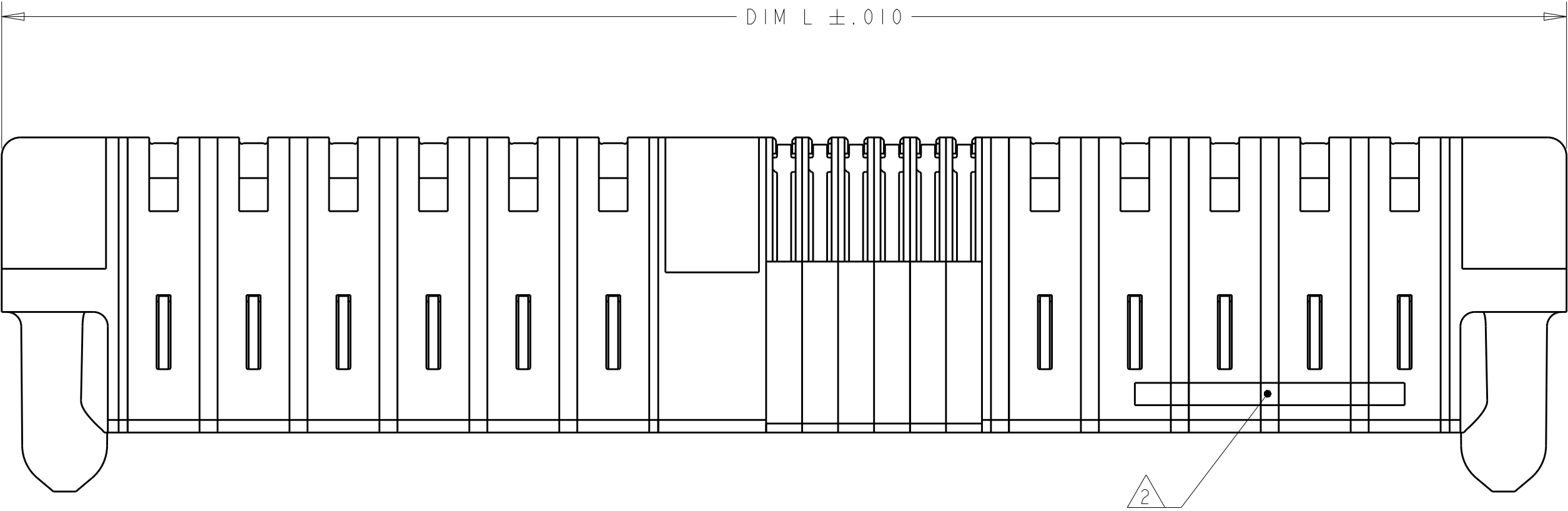
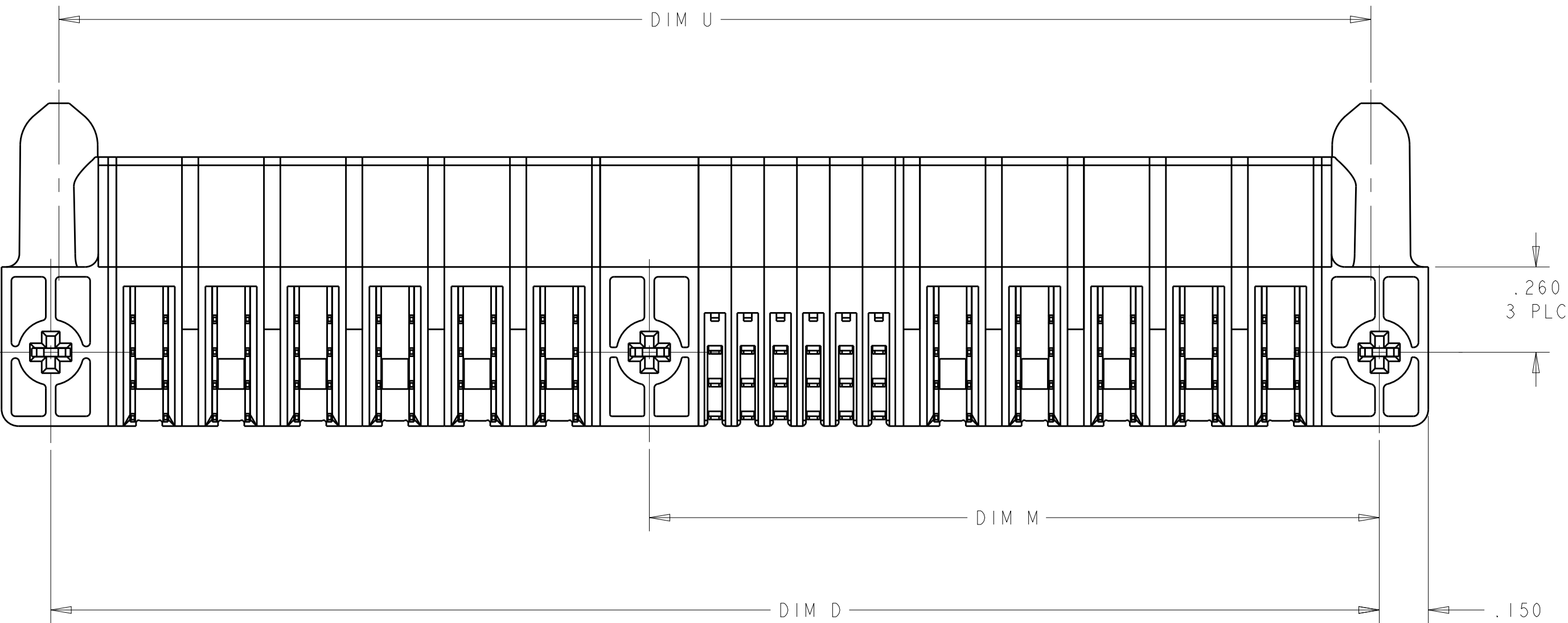
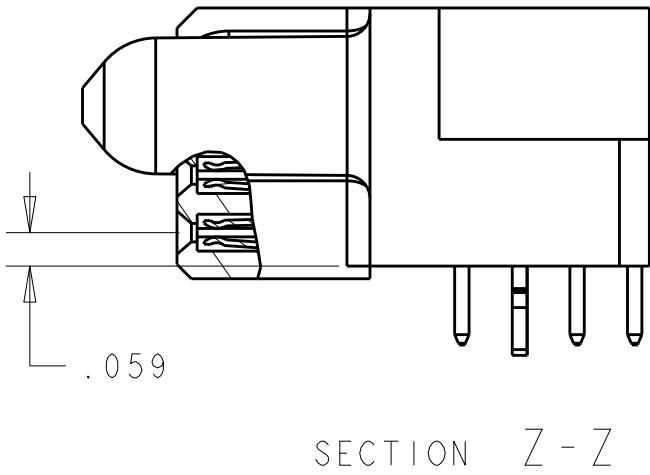
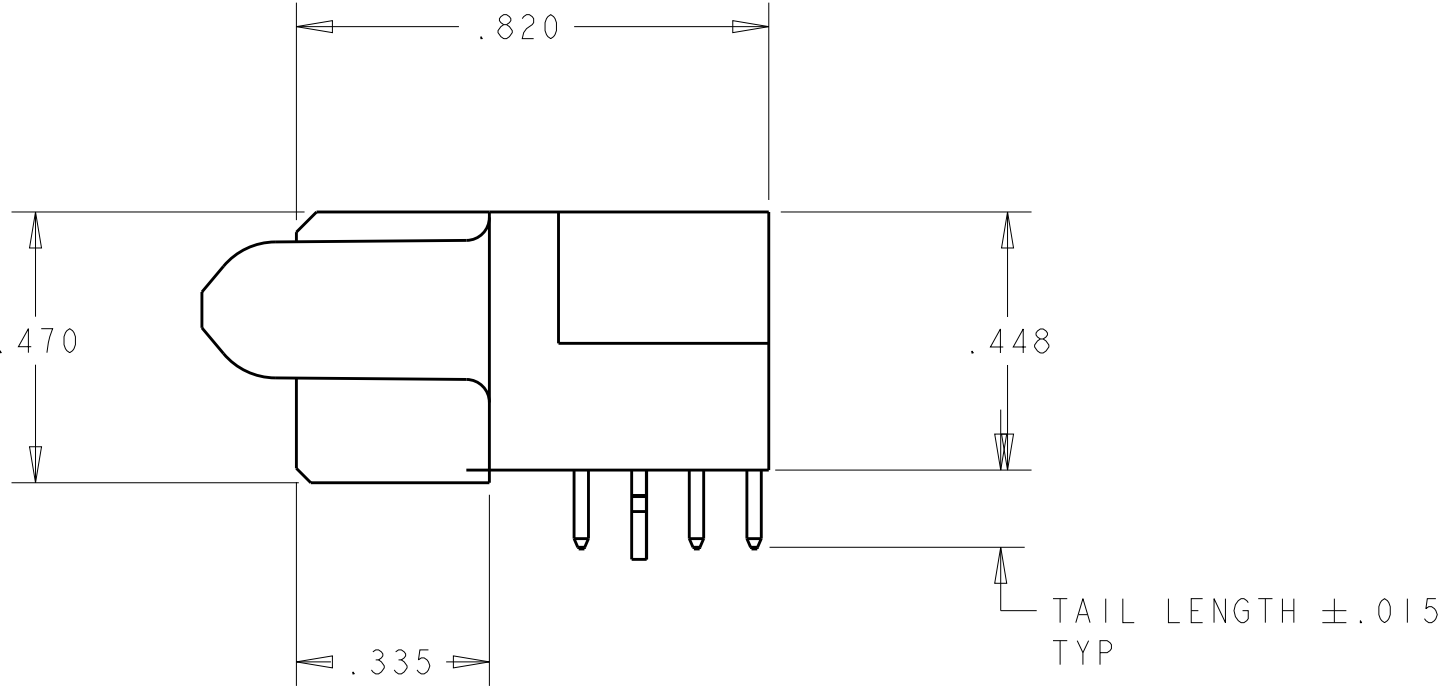
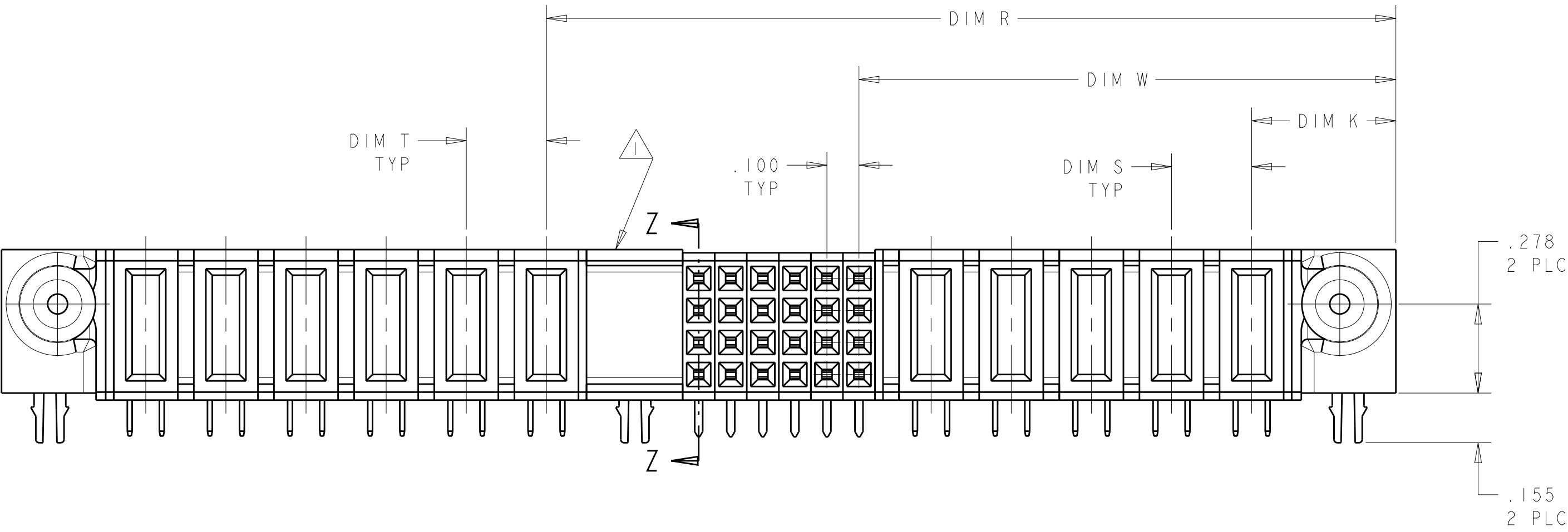


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		G	REV PER ECO-15-000526	19JAN2015	LAW	CZ



- 1 OPTIONAL CENTER MODULE, WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE.
- 2 "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- 3 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, BLACK, UL94 V-0
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 4 CONTACT PLATING: NOBLE 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 DIMENSIONS.
- 8 PCB- Ø.0453 +/- .0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001-.003 CU PLATING TO ACHIEVE A Ø.040±.003 HOLE.



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 21FEB05	TE Connectivity	
		CHK M.PERCHEKKE 21FEB05		
DIMENSIONS:		APVD M.PERCHEKKE 21FEB05	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
INCHES		PRODUCT SPEC		
		108-1973	SIZE CAGE CODE DRAWING NO	
		APPLICATION SPEC		
MATERIAL		114-13038	A100779C=6450160	
		FINISH		
		WEIGHT	Customer Drawing	
			SCALE 3:1 SHEET 1 OF 16 REV G1	

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

.700	-	-	-	.375	.750	-	1.050	-	16S	4-6450160-9
2.700	-	.200	2.600	1.425	2.750	-	3.050	.450	5P + 44S + 1P	4-6450160-8
4.000	-	-	-	.375	4.050	-	4.350	-	148S	4-6450160-6
2.000	.250	.250	1.650	.925	2.050	-	2.350	.450	2P + 24S + 2P	4-6450160-5
2.800	-	-	-	0.375	2.850	-	3.150	-	100S	4-6450160-4
1.100	-	-	1.000	.625	1.150	-	1.450	.450	1P + 12S + 1P	4-6450160-1
2.400	.250	.250	1.550	.875	2.450	-	2.750	.450	2P + 24S + 4P	4-6450160-0
4.700	.250	.250	2.850	2.375	4.750	-	5.050	.450	8P + 16S + 8P	3-6450160-9
5.400	.300	.300	2.875	2.175	5.450	-	5.750	.475	6P + 24S + 9P	3-6450160-8
2.900	.250	.250	2.050	1.375	2.950	-	3.250	.450	4P + 24S + 4P	3-6450160-7
3.900	.250	.250	2.550	1.875	3.950	-	4.250	.450	6P + 24S + 6P	3-6450160-6
3.800	.250	.250	3.450	.875	3.850	-	4.150	.450	2P + 100S + 2P	3-6450160-4
3.700	.300	.200	2.700	2.025	3.750	-	4.050	.450	8P+24S+4ACP	3-6450160-3
2.800	.300	.250	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	3-6450160-2
1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	3-6450160-1
4.375	.300	.250	3.375	2.375	3.450	2.950	4.725	.450	8P+24S+1M+4ACP	3-6450160-0
4.100	.250	.300	2.250	1.575	4.150	-	4.450	.475	4ACP + 24S + 8P	2-6450160-9
2.000	.250	.300	1.650	1.325	2.050	-	2.350	.475	3ACP + 8S + 2P	2-6450160-7
2.600	.200	.200	1.900	1.225	2.650	-	2.950	.450	4HDP + 24S + 4HDP	2-6450160-6
2.000	.250	.250	1.650	.925	2.050	-	2.350	.450	2P + 24S + 2P	2-6450160-5
4.000	.250	.250	2.650	1.675	4.050	2.225	4.350	.450	5P + 24S + 1M + 6P	2-6450160-0
3.300	.250	.250	2.450	1.875	3.350	-	3.650	.450	6P + 20S + 4P	1-6450160-9
4.675	.300	.250	3.950	3.375	4.725	-	5.025	.450	12P + 20S + 3ACP	1-6450160-8
3.250	.250	.250	2.900	1.125	3.300	-	3.600	.450	3P + 68S + 2P	1-6450160-3
.900	-	-	-	.375	.950	-	1.250	-	0P + 24S + 0P	1-6450160-2
1.900	-	-	.975	.625	1.950	-	2.250	.450	1P + 12S + 5P	1-6450160-1
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	1-6450160-0
3.300	.250	.250	2.450	1.875	3.350	-	3.650	.450	6P + 20S + 4P	6450160-9
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	6450160-8
3.050	.250	.300	1.950	1.275	3.100	-	3.400	.475	3ACP + 24S + 5P	6450160-7
7.400	.250	.250	5.050	2.875	7.450	-	7.750	.450	10P + 84S + 10P	6450160-6
4.000	.250	.250	2.650	1.675	4.050	2.225	4.350	.450	5P + 24S + 1M + 6P	6450160-5
4.000	.250	.250	2.650	1.675	4.050	2.225	4.350	.450	5P + 24S + 1M + 6P	6450160-4
1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	6450160-3
1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	6450160-2
5.100	.250	.250	3.250	2.375	5.150	-	5.450	.450	8P + 32S + 8P	6450160-1
U	T	S	R	W	D	M	L	K	DESCRIPTION	PART NUMBER

(E6) PART IS IN SHEET 15

THIS DRAWING IS A CONTROLLED DOCUMENT.
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

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

21FEB05
21FEB05
21FEB05

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
100779

DRAWING NO
6450160

RESTRICTED TO
-

SCALE
3:1

SHEET
2

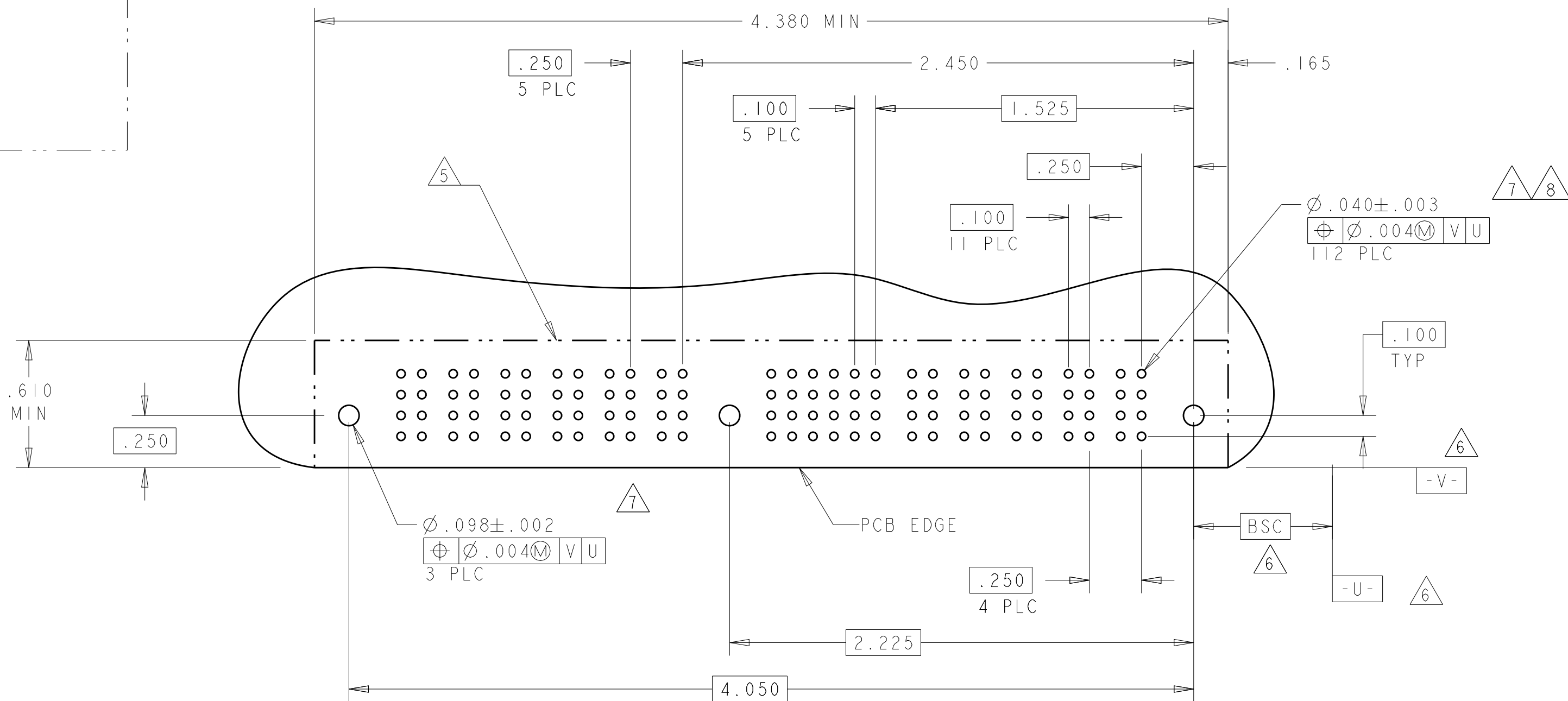
OF
16

REV
G1

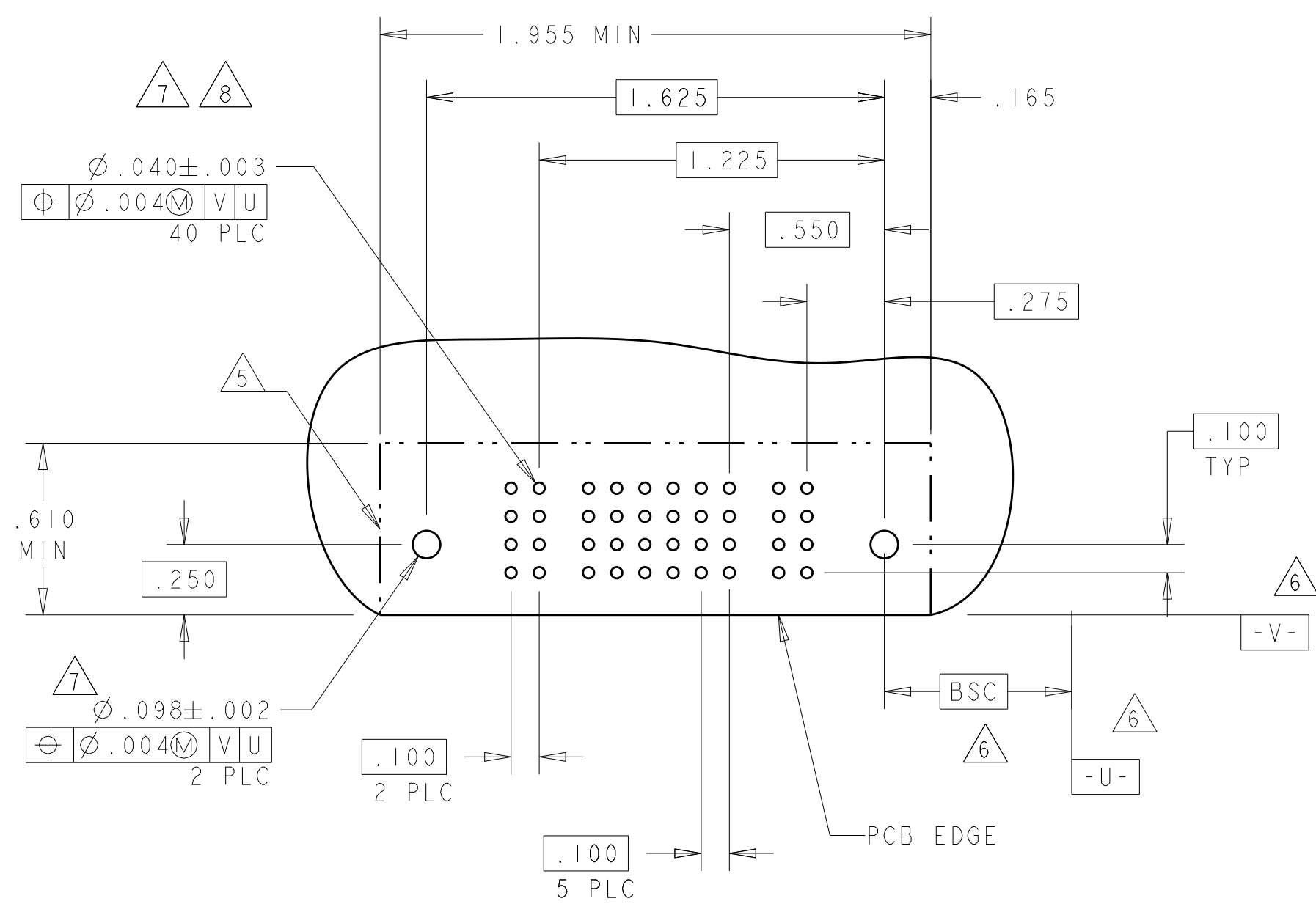
TE Connectivity

PART NUMBER	ROWS		POWER						MI	SIGNAL						POWER					
			P11	P10	P9	P8	P7	P6		6	5	4	3	2	1	P5	P4	P3	P2	P1	
6450160-4	D C B A		RB	RB	RB	RB	RB	RB	HD	K L L K K L L K K L L K K L L K	RB	RB	RB	RB	RB	HD					
5P + 24S + 1M + 6P																					

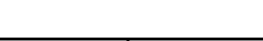
PART NUMBER	ROWS		POWER						MI	SIGNAL							POWER					
			P11	P10	P9	P8	P7	P6		6	5	4	3	2	1	P5	P4	P3	P2	P1		
6450160-5	D C B A		RA	RA	RA	RA	RA		HD	H	H	H	H	H	RA	RA	RA	RA	RA		HD	
										G	G	G	G	G								
										F	F	F	F	F								
										E	E	E	E	E								
5P + 24S + 1M + 6P																						



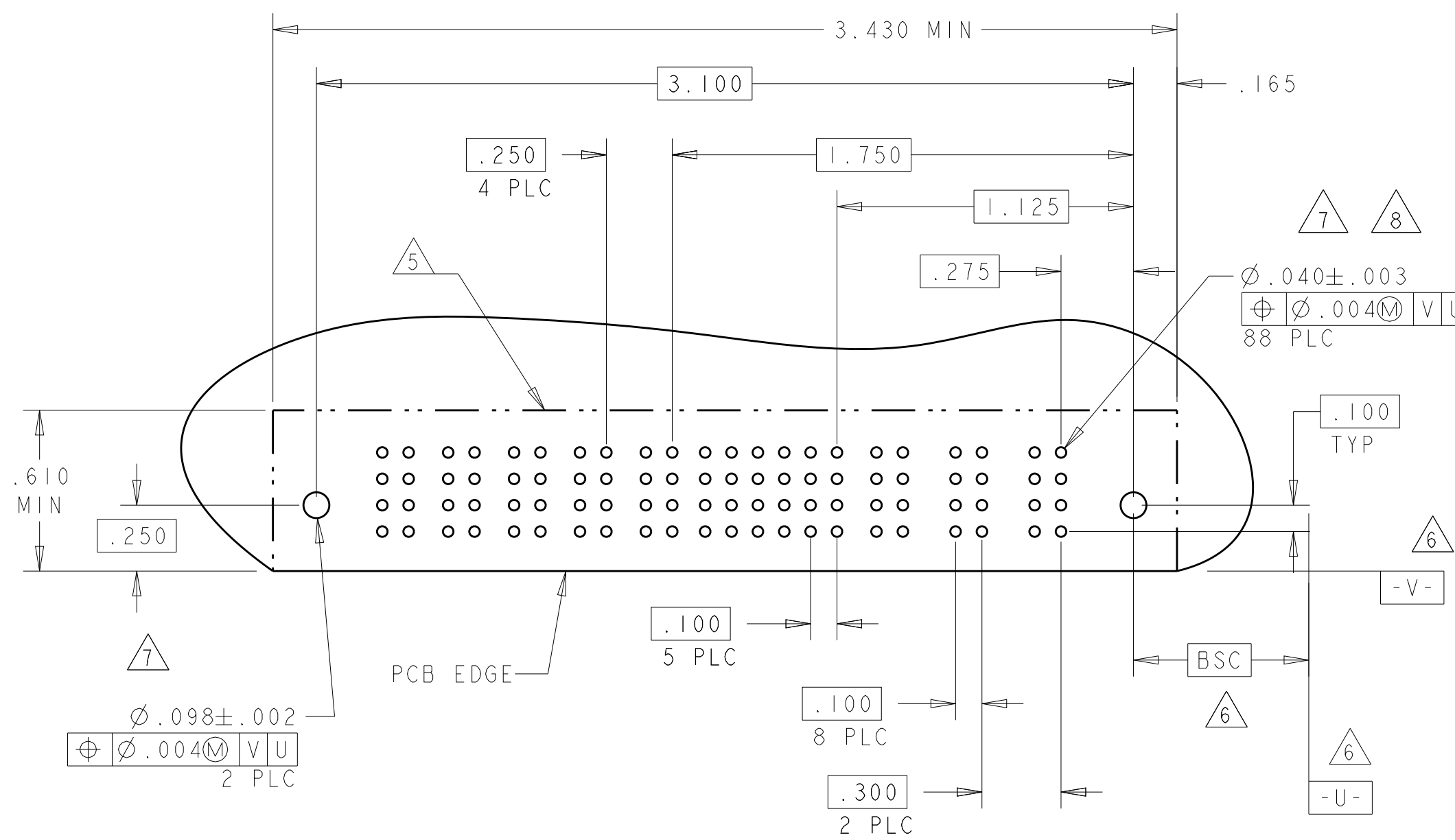
PART NUMBER	ROWS			POWER								SIGNAL								POWER																																																														
				P2		6	5	4	3	2	1	P1																																																																						
6450160-3	D C B A	HD		RA <table><tr><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><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><td>G</td><td>G</td><td>G</td><td>G</td><td>G</td><td>G</td><td>G</td><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><td>F</td><td>F</td><td>F</td><td>F</td><td>F</td><td>F</td><td>F</td><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><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td><td>E</td></tr></table> RA																H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	HD	
				H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H																																																															
				G	G	G	G	G	G	G	G	G	G	G	G	G	G	G																																																																
				F	F	F	F	F	F	F	F	F	F	F	F	F	F	F																																																																
E	E	E	E	E	E	E	E	E	E	E	E	E	E	E																																																																				
IP + 24S + IP																																																																																		



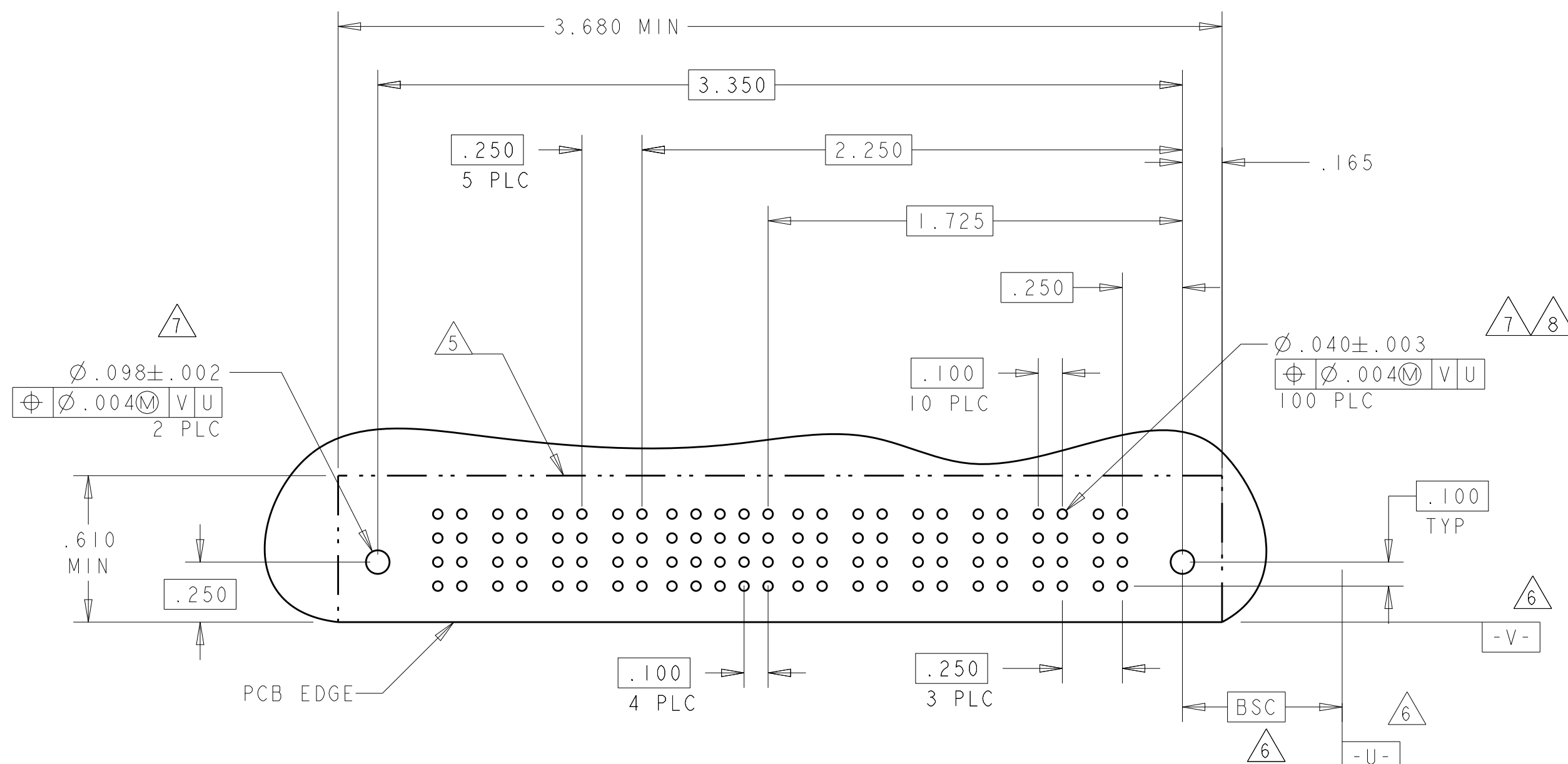
L	.090	D
K	.090	C
J	.090	B
I	.090	A
H	.135	D
G	.135	C
F	.135	B
E	.135	A
CODE	TAIL LENGTH	ROW
SIGNAL CONTACT		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Z. GRZYBOWSKI 21FE005		 TE Connectivity			
DIMENSIONS: INCHES		CHN M. PERCHERRE 21FE005					
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL			
		DWN M. PERCHERRE 21FE005					
		PRODUCT SPEC 108-1973					
		APPLICATION SPEC 114-13038					
MATERIAL	FINISH	WEIGHT	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
				A1	100779	C6450160	-
Customer Drawing				SCALE	4:1	SHEET	3 of 16
				REV G			

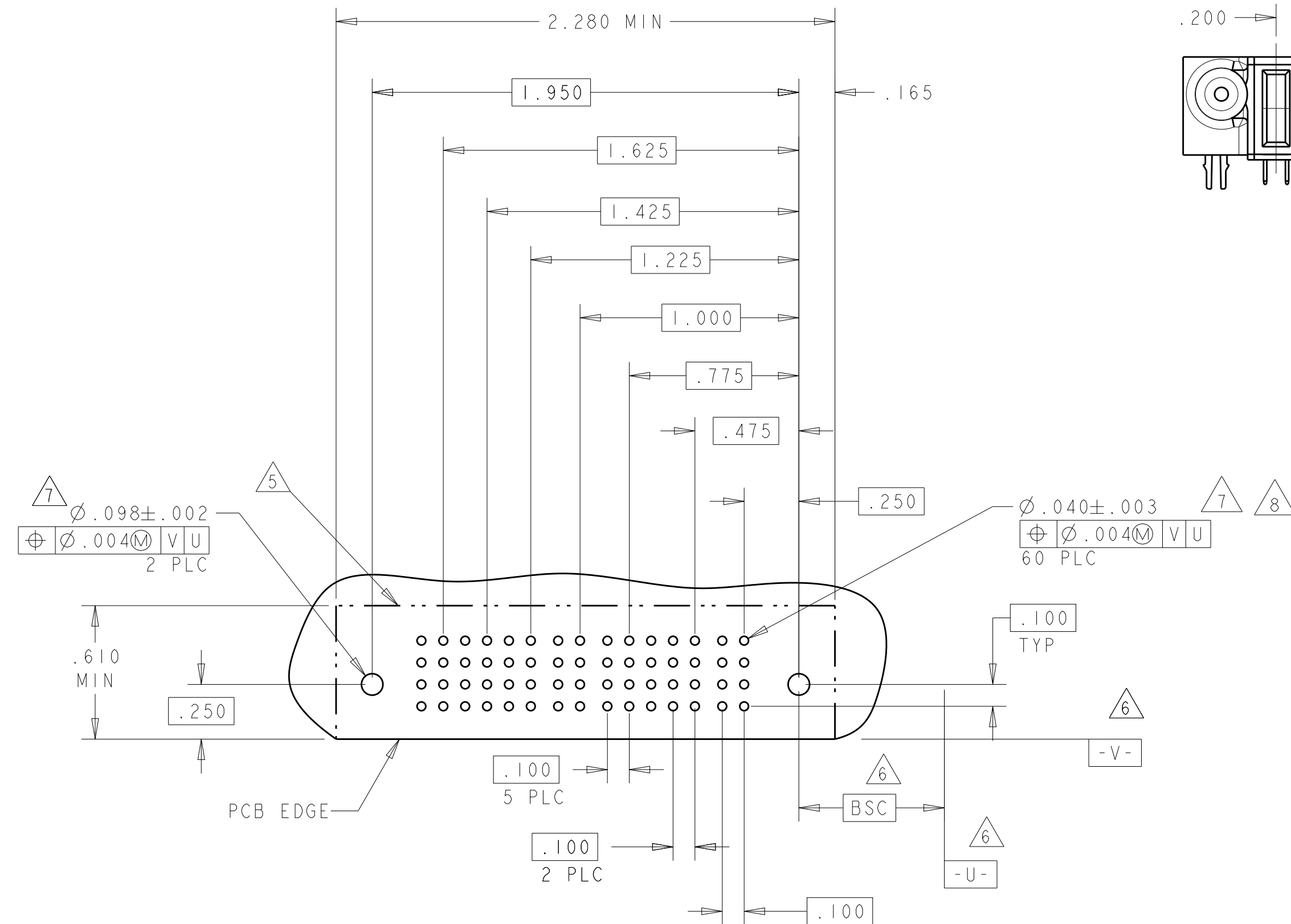
PART NUMBER	ROWS		POWER					SIGNAL					POWER			
			P8	P7	P6	P5	P4	G	6	5	4	3	2	1	P3	
6450160-7	D C B A		RA	RA	RA	RA	RA	H	H	H	H	H	RA	RA	RA	
								G	G	G	G	G				
		HD						F	F	F	F	F				HD
3ACP + 24S + SP																HD



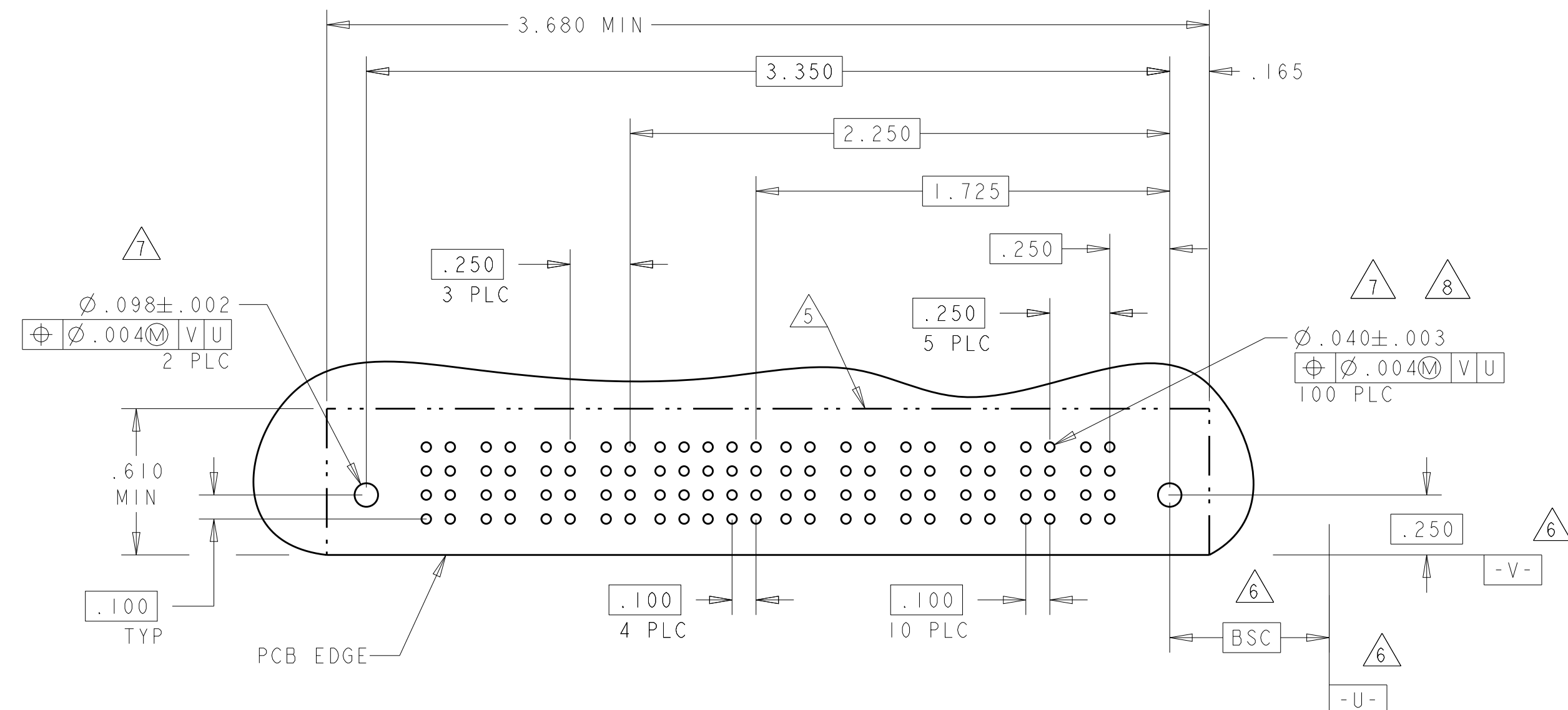
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			P10	P9	P8	P7	5	4	3	2	1	P6	P5	P4	P3	P2		P1		
6450160-9	D C B A		RA	RA	RA	RA	G	H	H	H	H	G	RA	RA	RA	RA	RA	RA		
6P + 20S + 4P																				

4805 (3/11)

Top view of the 16-pin DIP package showing dimensions in inches. The package is 1.000 inch wide and 0.787 inch high. Pin pitch is 0.100 inch. Dimensions for mounting holes and lead lengths are provided.

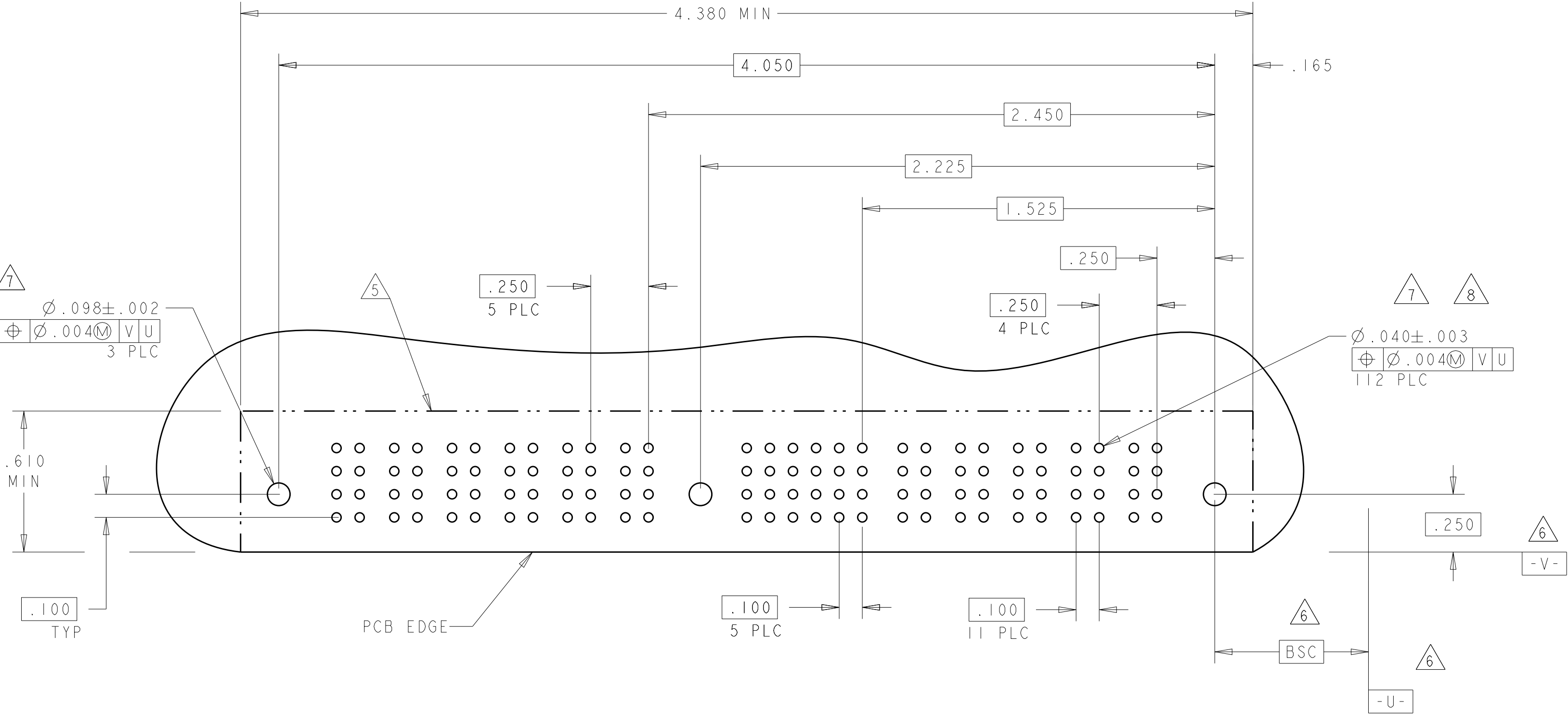


PART NUMBER	ROWS		POWER				SIGNAL					POWER					
			PI0	P9	P8	P7	5	4	3	2	1	P6	P5	P4	P3	P2	
I-6450160-9	D C B A																

4805 (3/11)

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

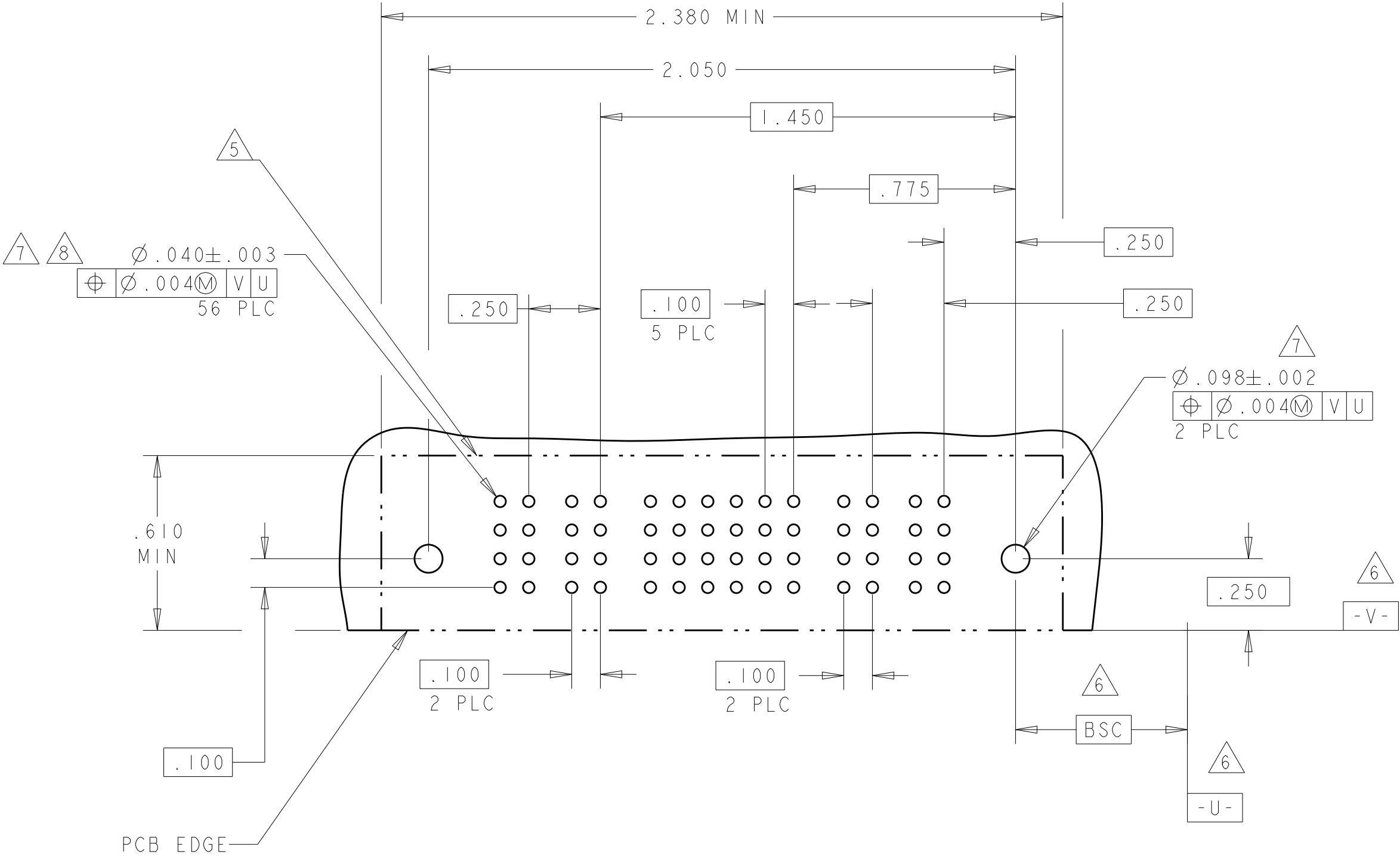
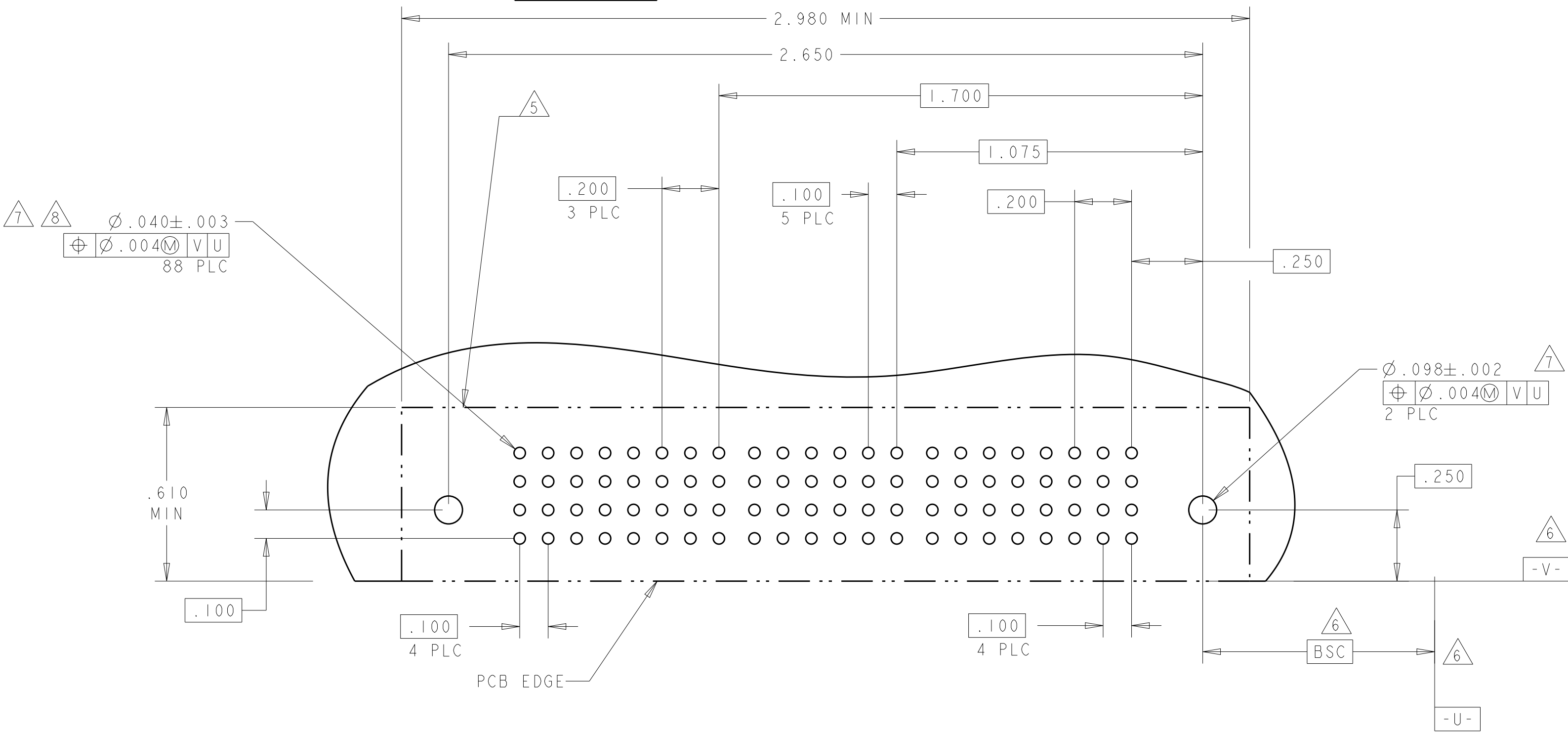
PART NUMBER	ROWS		POWER						MI	SIGNAL						POWER					
			P11	P10	P9	P8	P7	P6		6	5	4	3	2	1	P5	P4	P3	P2	P1	
2-6450160-0	D C B A																				
5P + 24S + 1M + 6P																					



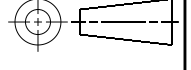
PART NUMBER	ROWS	POWER		SIGNAL					POWER				
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2-6450160-5	D C B A			RM	L	L	L	L	L	L	RM	RM	
					K	K	K	K	K	K			
					J	J	J	J	J	J			
					I	I	I	I	I	I			
2P + 24S + 2P													

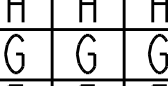
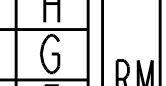
PART NUMBER	ROWS		POWER		SIGNAL					POWER				
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4-6450160-5	D C B A			RM	RM	H	H	H	H	H	H	RM	RM	
						G	G	G	G	G	G			
						F	F	F	F	F	F			
						E	E	E	E	E	E			
2P + 24S + 2P														

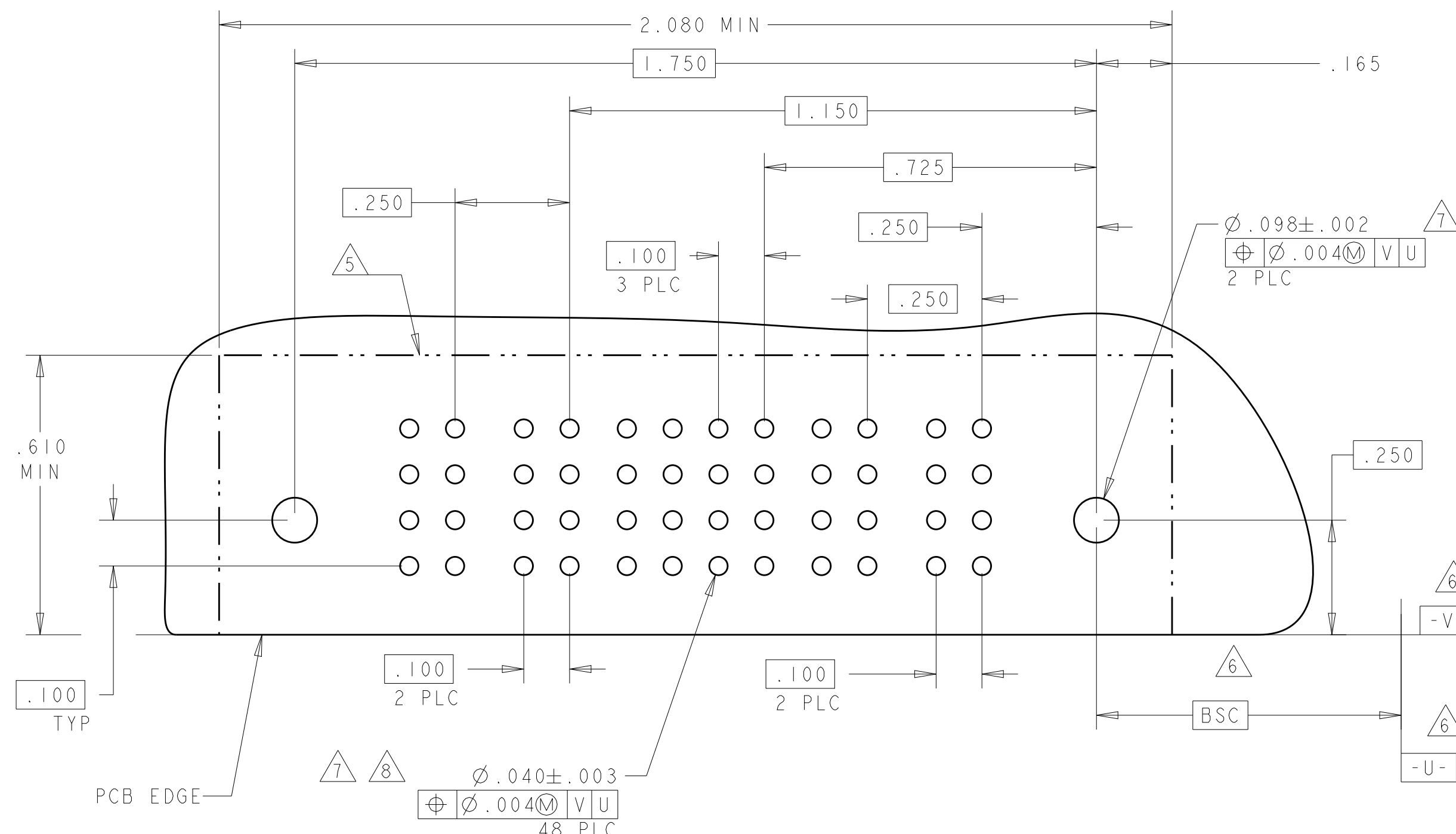
PART NUMBER	ROWS	POWER				SIGNAL					POWER					
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2-6450160-6	D C B A		RM	RM	RM	RM	H	H	H	H	H		RM	RM	RM	RM
							G	G	G	G	G					
							F	F	F	F	F					
							E	E	E	E	E					
4HDP + 24S + 4HDP																



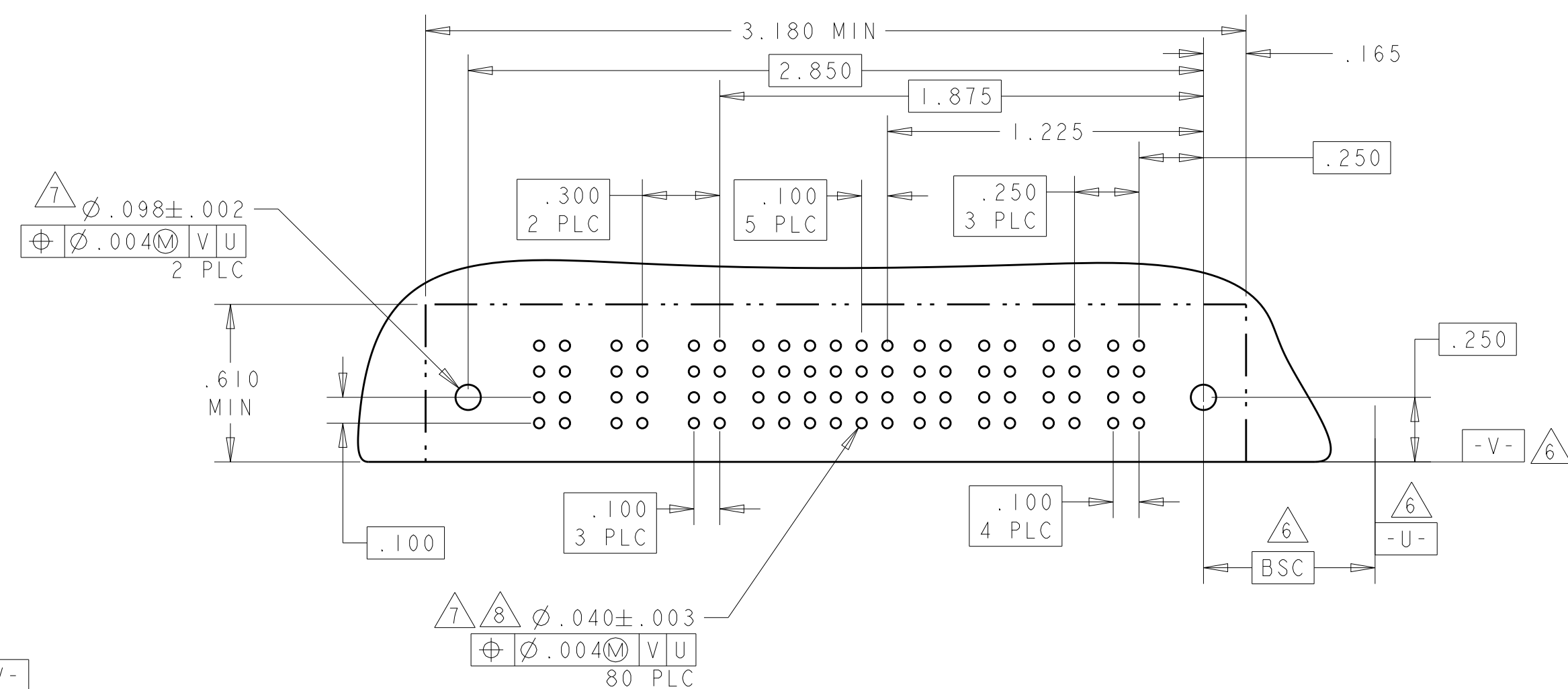
2-6450160-5 AND 4-6450160-5 PCB LAYOUT

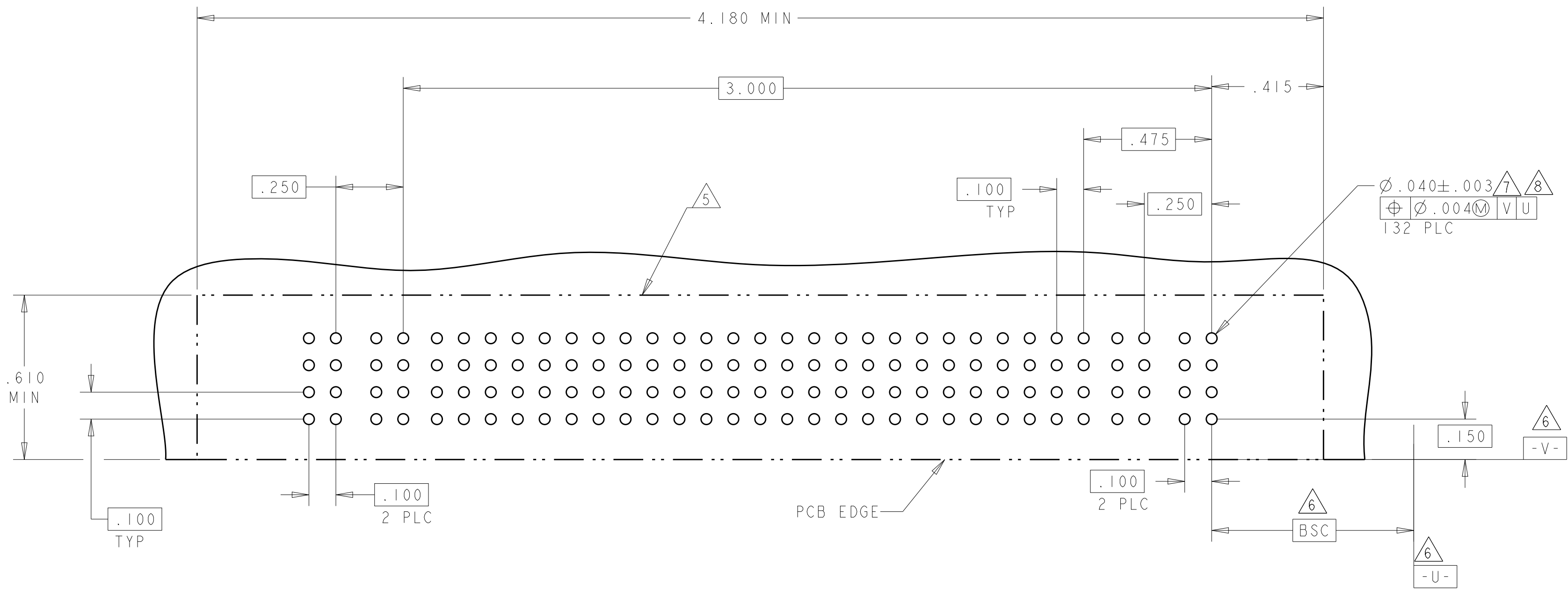
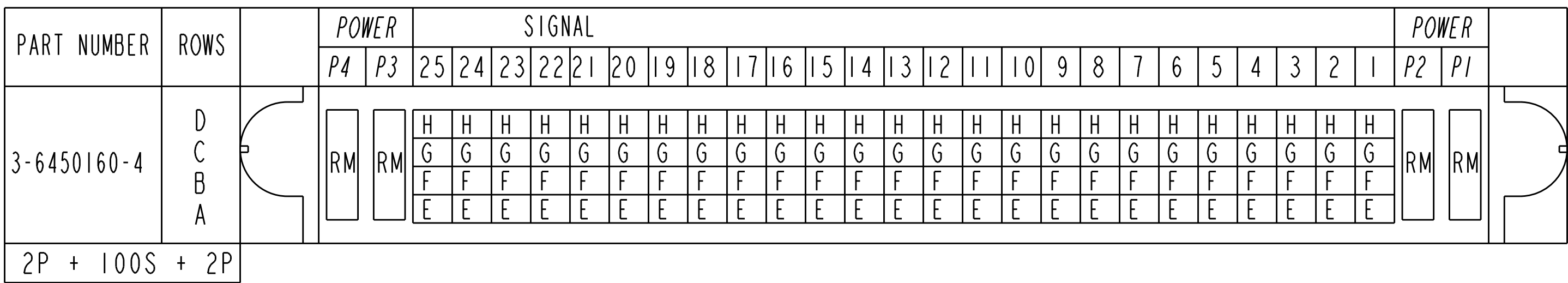
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	21FEB05	 TE Connectivity	
		CHK M. PERCHERKE	21FEB05		
DIMENSIONS:		APVD M. PERCHERKE	21FEB05	NAME	
INCHES		PRODUCT SPEC		RIGHT ANGLE RECEPTACLE ASSEMBLY	
		108-1973		WITH GUIDES	
		APPLICATION SPEC		MULTI-BEAM XL	
MATERIAL		114-13038		SIZE	
		WEIGHT		CAGE CODE	
		Customer Drawing		DRAWING NO	
				RESTRICTED TO	
				A100779	
				C=6450160	
				SCALE	
				4:1	
				SHEET	
				6 OF 16	
				REV	
				G1	

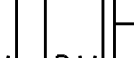
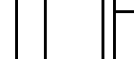
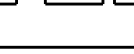
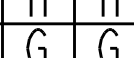
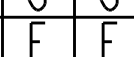
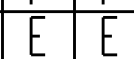
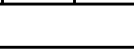
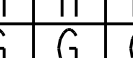
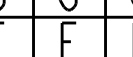
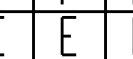
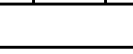
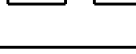
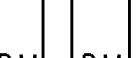
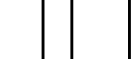
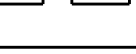
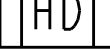
PART NUMBER	ROWS		POWER		SIGNAL				POWER			
			P4	P3	4	3	2	1	P2	P1		
3-6450160-1	D C B A											
2P + 16S + 2P												

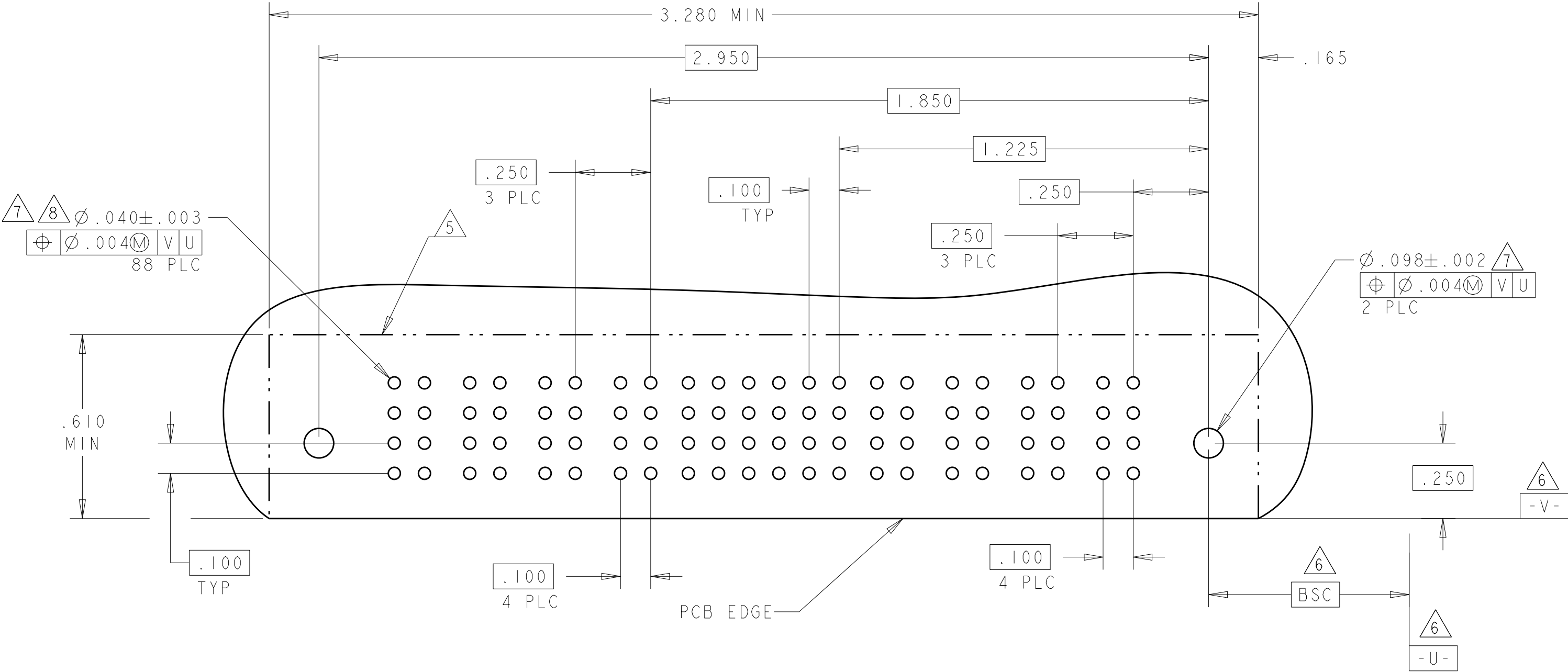


PART NUMBER	HOUSING P/N	ROWS		POWER			SIGNAL						POWER				
				P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
3-6450160-2	3-1450190-2	D C B A															
																	
	4P + 24S + 3ACP																

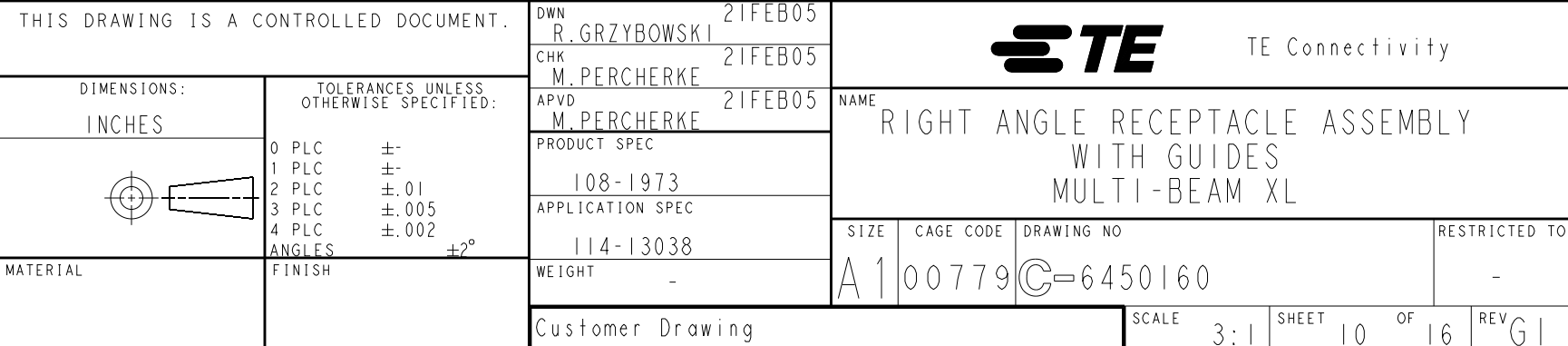
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PART NUMBER	ROWS		POWER				SIGNAL					POWER																																																																													
			P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2		P1																																																																								
3-6450160-7	D C B A	    	   	   	   	   	   	   	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	

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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 21FEBO5		 TE Connectivity	
		CHK M. PERCHERKE 21FEBO5			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
INCHES				RIGHT ANGLE RECEPTACLE ASSEMBLY	
		0 P/LC ±.1		PRODUCT SPEC	
		1 P/LC ±.01		108-1973	
		2 P/LC ±.005		APPLICATION SPEC	
		4 P/LC ±.002		MULTI-BEAM XL	
		ANGLES		114-13038	
FINISH		-		SIZE	
MATERIAL		-		CASE CODE	
				DRAWING NO	
				A100779C-6450160	
		Customer Drawing		RESTRICTED TO	
				-	
				SCALE	
				3:1	
				SHEET 10 OF 16	
				REV G	



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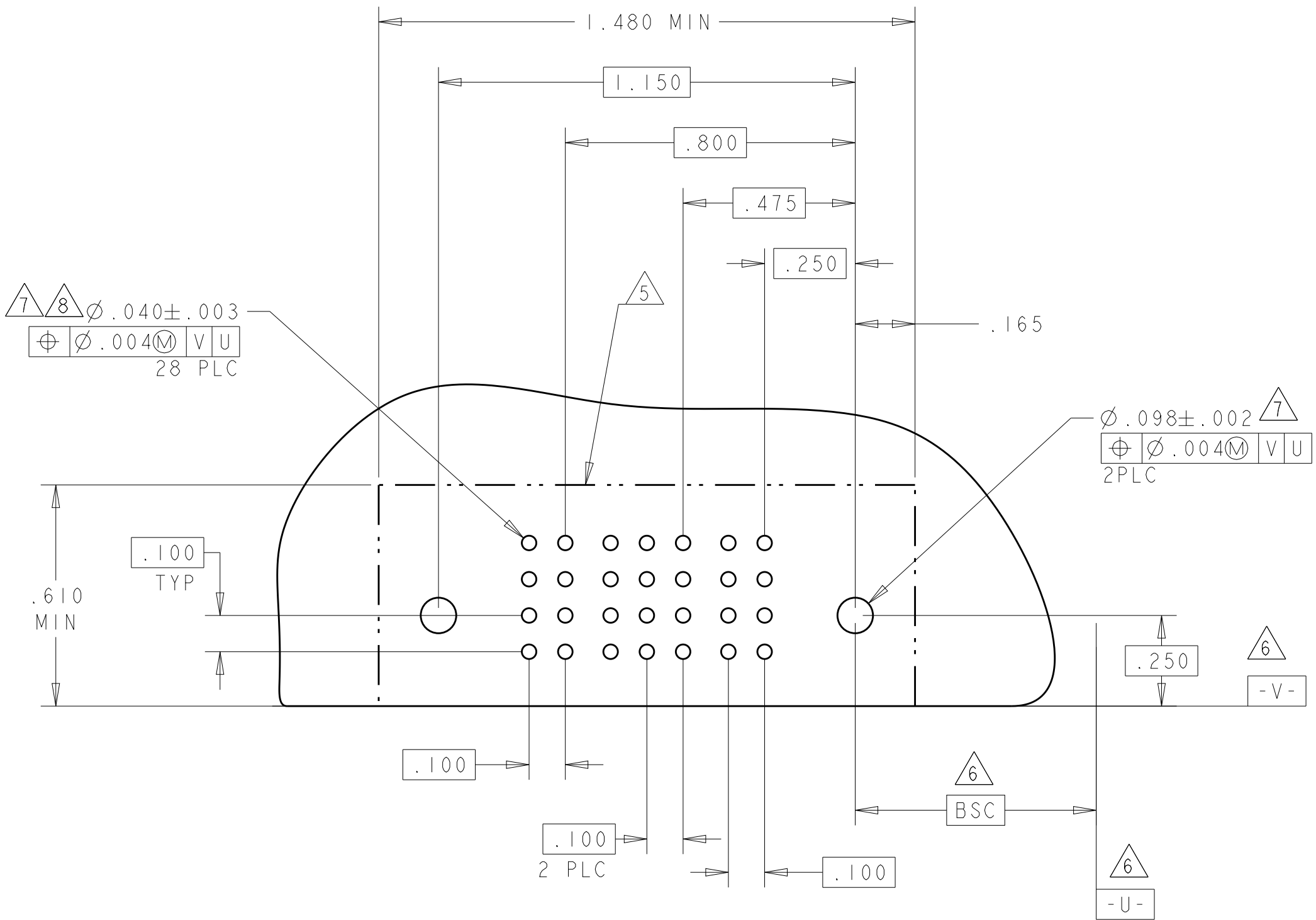
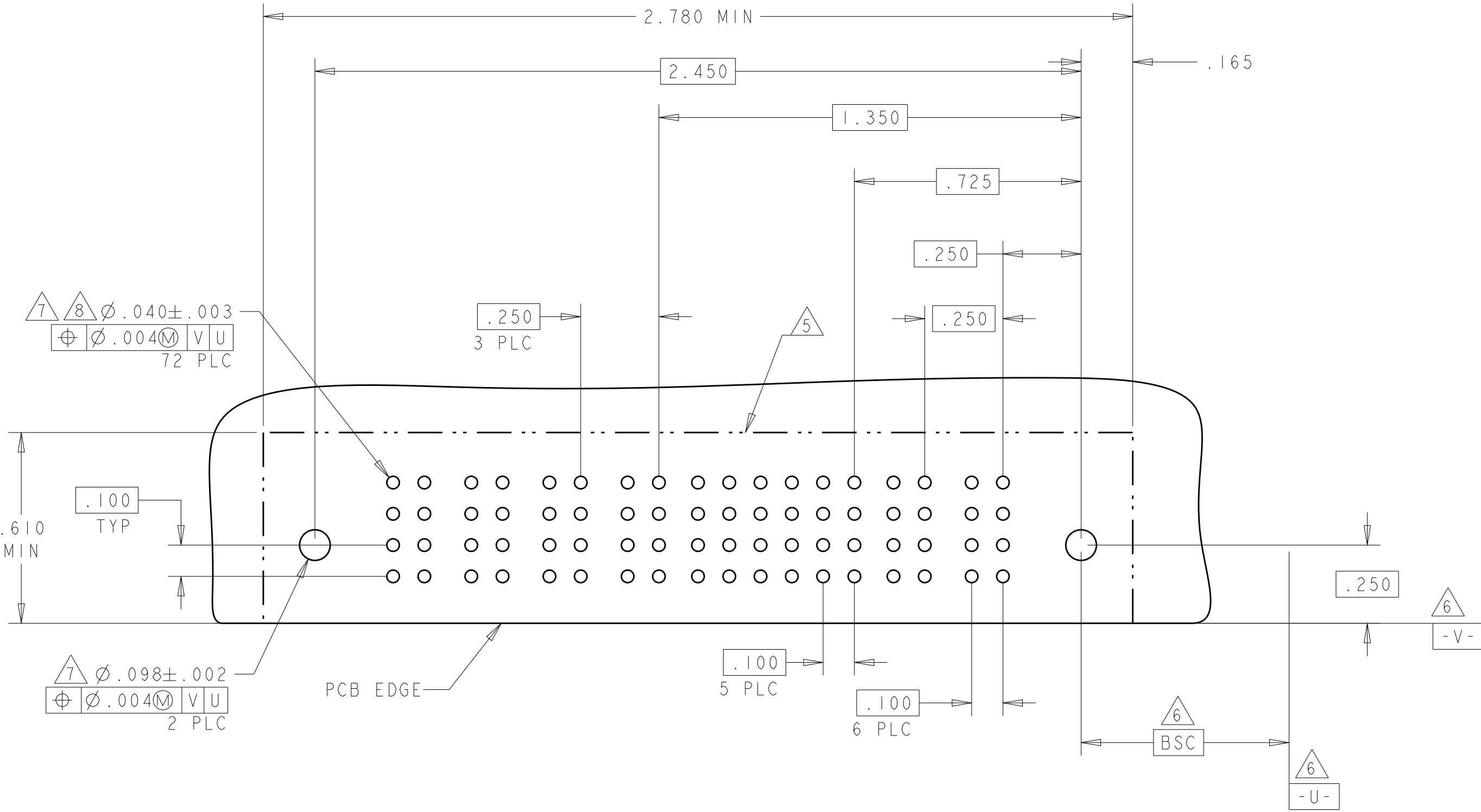
D5

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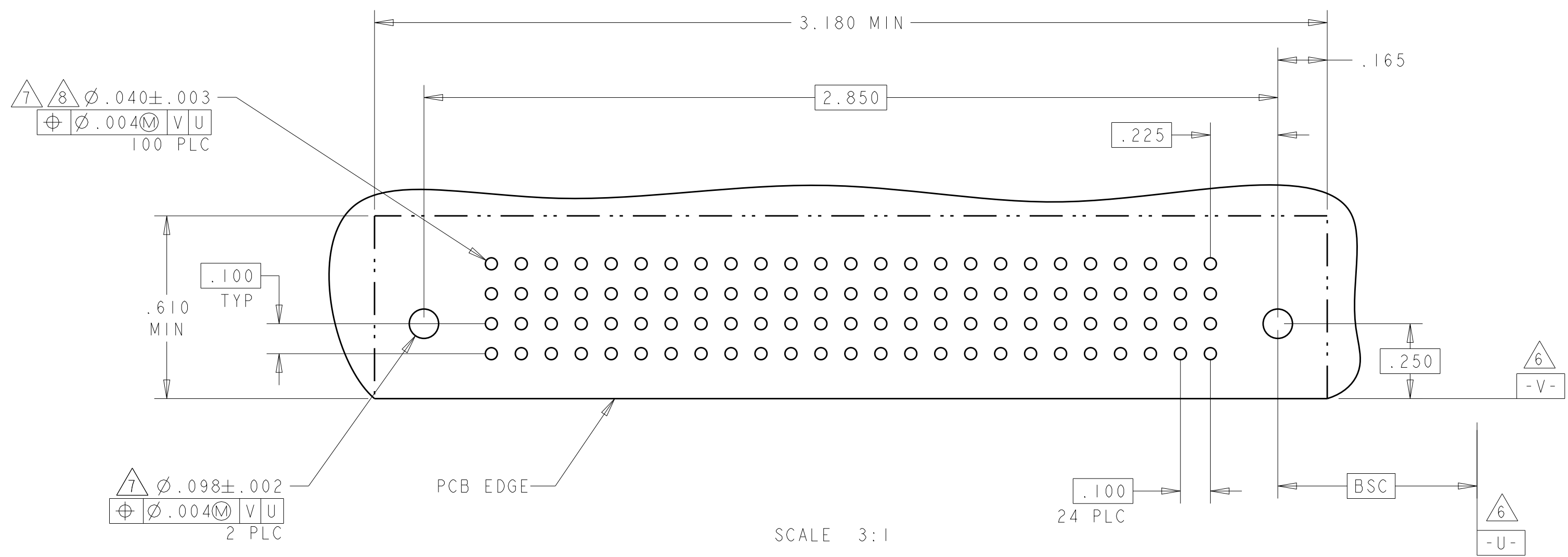
LOC		DIST		REVISONS				
GP		00		P	LTR	DESCRIPTION		DATE
						SEE SHEET 1		

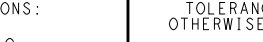
PART NUMBER	ROWS		POWER				SIGNAL						POWER		
			P6	P5	P4	P3	6	5	4	3	2	1	P2	P1	
4-6450160-0	D		RM	RM	RM	RM	H	H	H	H	H	H	RM	RM	
	C						G	G	G	G	G	G			
	B						F	F	F	F	F	F			
	A	HD					E	E	E	E	E	E			
2P + 24S + 4P															

PART NUMBER	ROWS		POWER		SIGNAL			POWER		
			P2	3	2	1	P1			
4-6450160-1	D			H	H	H				
	G			G	G					
	F			F	F					
	A			E	E	E				
1P + 12S + 1P										

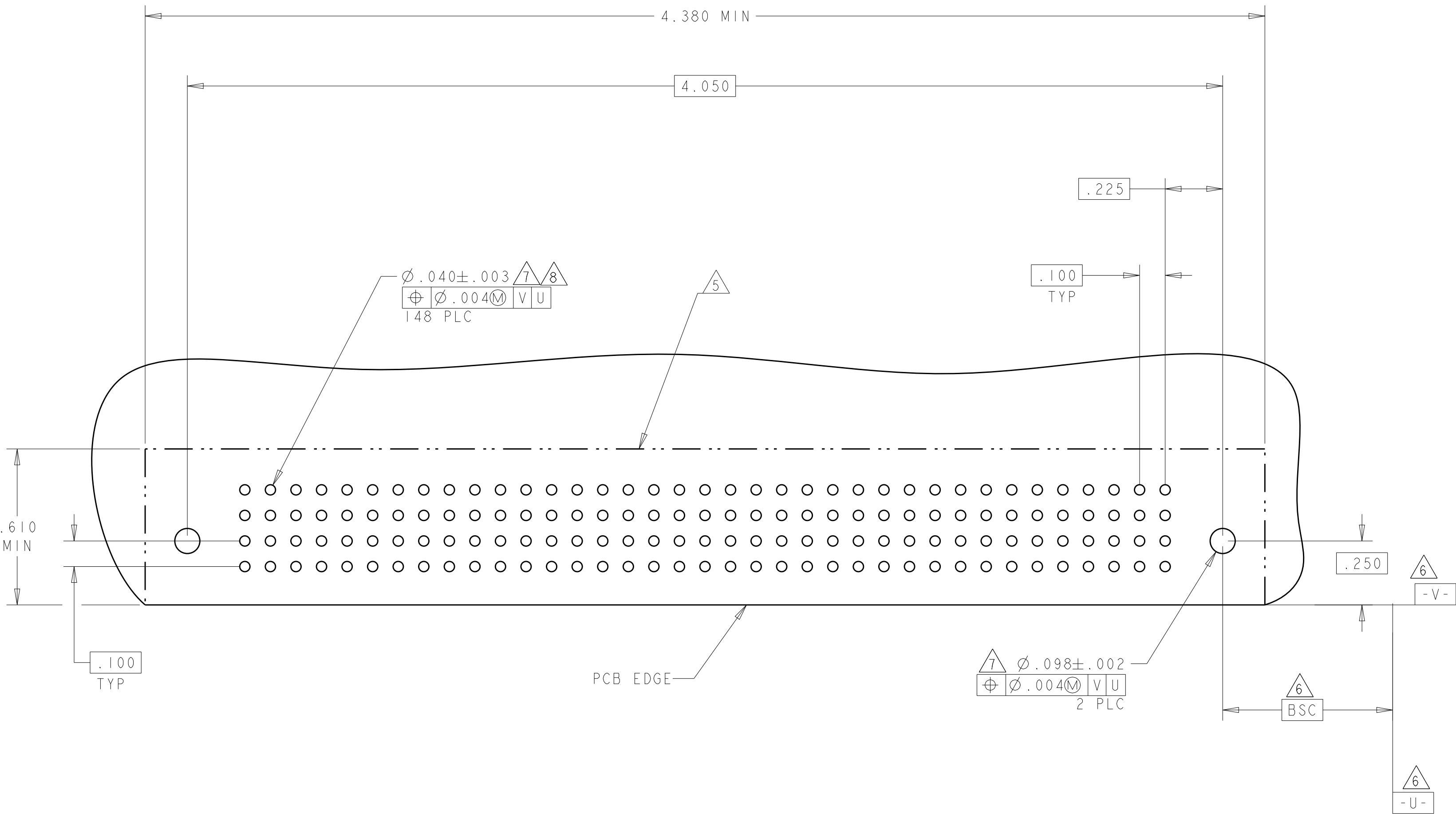


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 21FEB05	 TE Connectivity		
		CHK M. PERCHERKE 21FEB05			
DIMENSIONS: INCHES		APVD M. PERCHERKE 21FEB05	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	RESTRICTED TO -	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038			
MATERIAL	FINISH	WEIGHT -	SIZE A1	CAGE CODE 100779	DRAWING NO C-6450160
Customer Drawing		SCALE 3:1	SHEET 13	OF 16	REV G1

[illegible]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 21FE805		 TE Connectivity	
DIMENSIONS: INCHES		CHG M. PERCHERRE 21FE805			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERRE 21FE805		NAME	
		PRODUCT SPEC		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		108-1973			
		APPLICATION SPEC			
		114-13038			
FINISH		WEIGHT		SIZE CAGE CODE DRAWING NO	
		-		A1 00779 G-6450160	
MATERIAL		Customer Drawing		RESTRICTED TO	
				-	
				SCALE 3:1 SHEET 14 OF 16 REV G1	

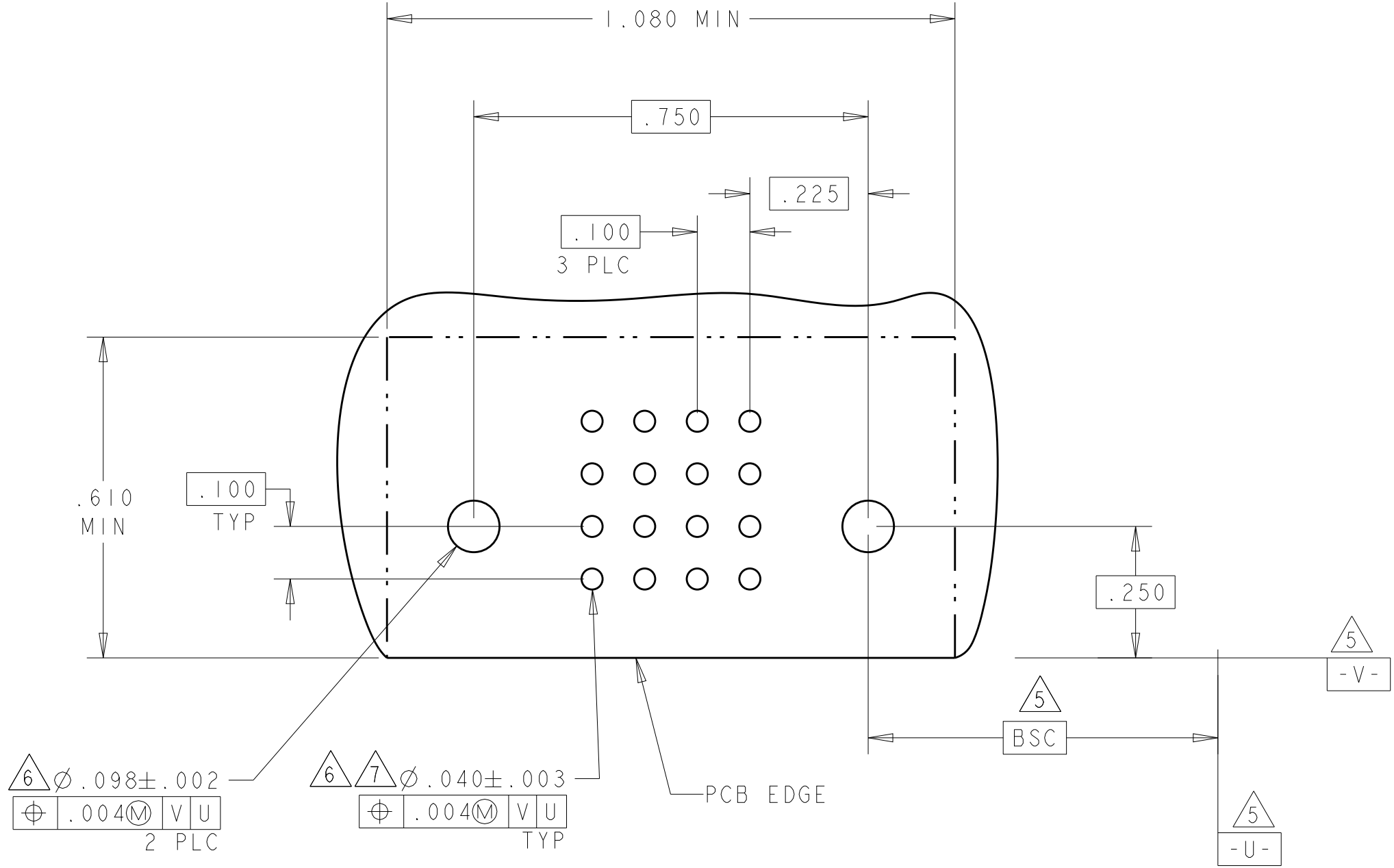
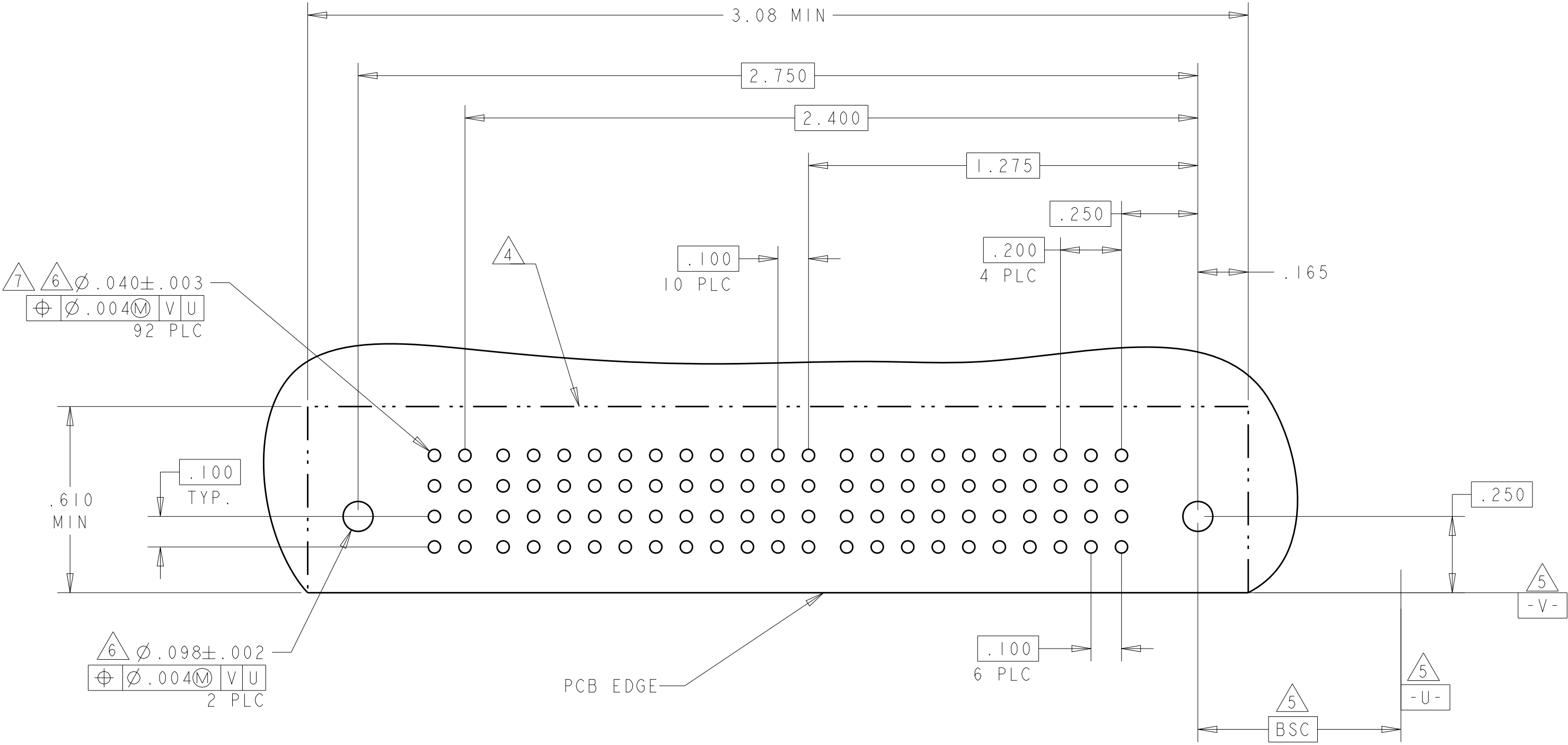
PART NUMBER	ROWS		SIGNAL																																				
			37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6		5	4	3	2
4-6450160-6	D		H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H
	C		G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
	B		F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
	A	HD	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
148S																																							

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LOC	DIST	REVISIONS			
GP	00	P	LTR	DESCRIPTION	DATE
		-		SEE SHEET 1	-

PART NUMBER	ROWS		POWER	SIGNAL										POWER								
			P6	11	10	9	8	7	6	5	4	3	2	1	P5	P4	P3	P2		P1		
4-6450160-8	D C B A		RM	H		H		H		H		H		H		RM			RM	RM	RM	RM
				G		G	G										RM			RM	RM	RM
				F		F			F			F		F	F		RM			RM	RM	RM
				E		E	E	E	E	E	E	E	E	E	E		RM			RM	RM	RM
5P + 44S + 1P																						HD

PART NUMBER	ROWS		SIGNAL				
			4	3	2	1	
4-6450160-9	D		H	H	H	H	
	C		G	G	G	G	
	B		F	F	F	F	
	A	HD	E	E	E	E	HD
16S							



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

21FEB05
21FEB05
21FEB05

DIMENSIONS:
INCHES

0 PLC ±.
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES #2°
FINISH

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

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.
C=6450160

RESTRICTED TO
-

SCALE
3:1

SHEET
16

OF
16

REV
G1

TE Connectivity

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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>

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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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