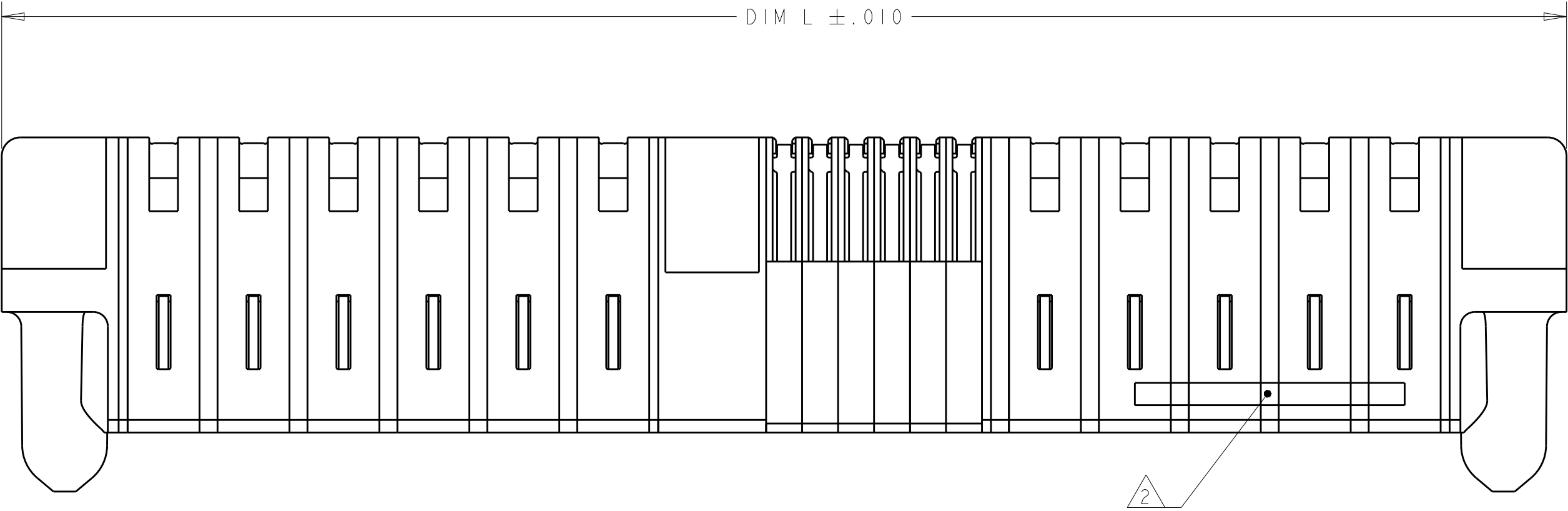
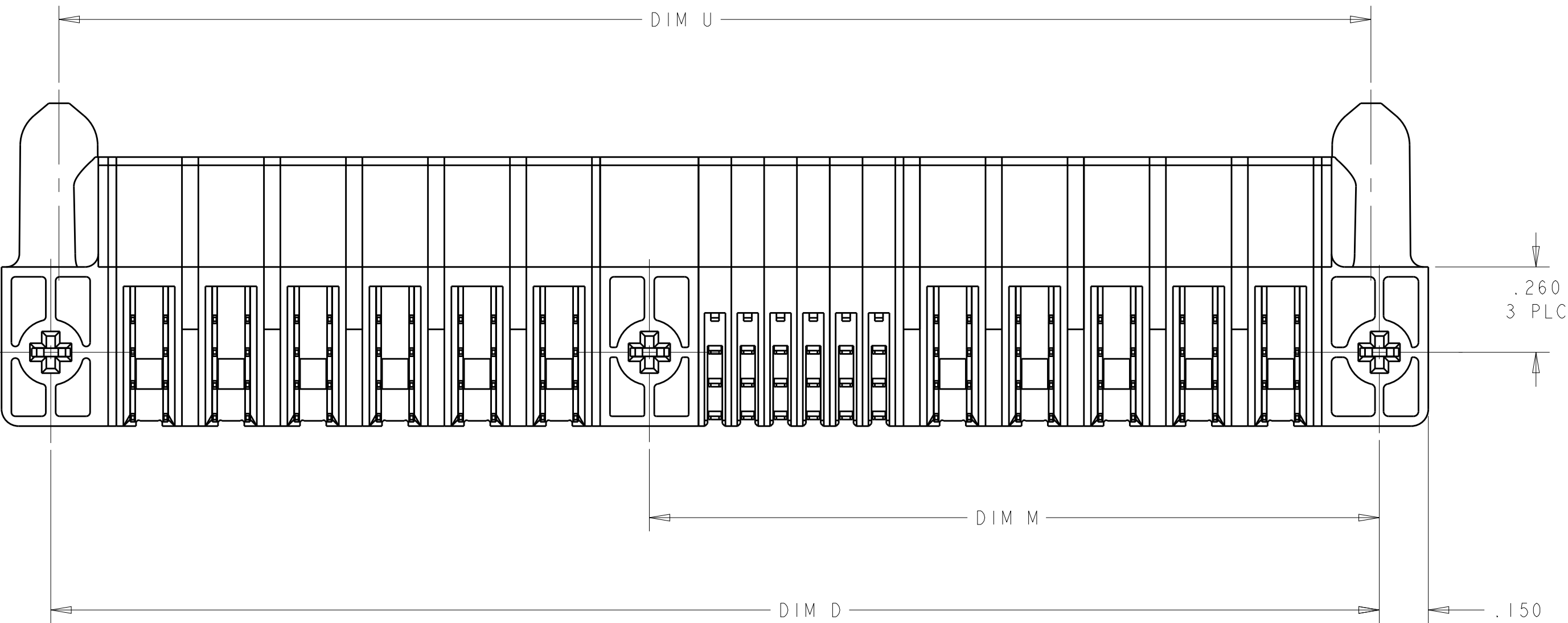
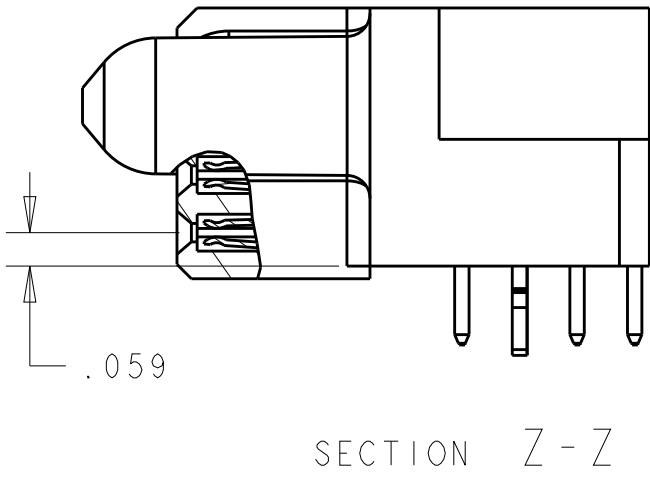
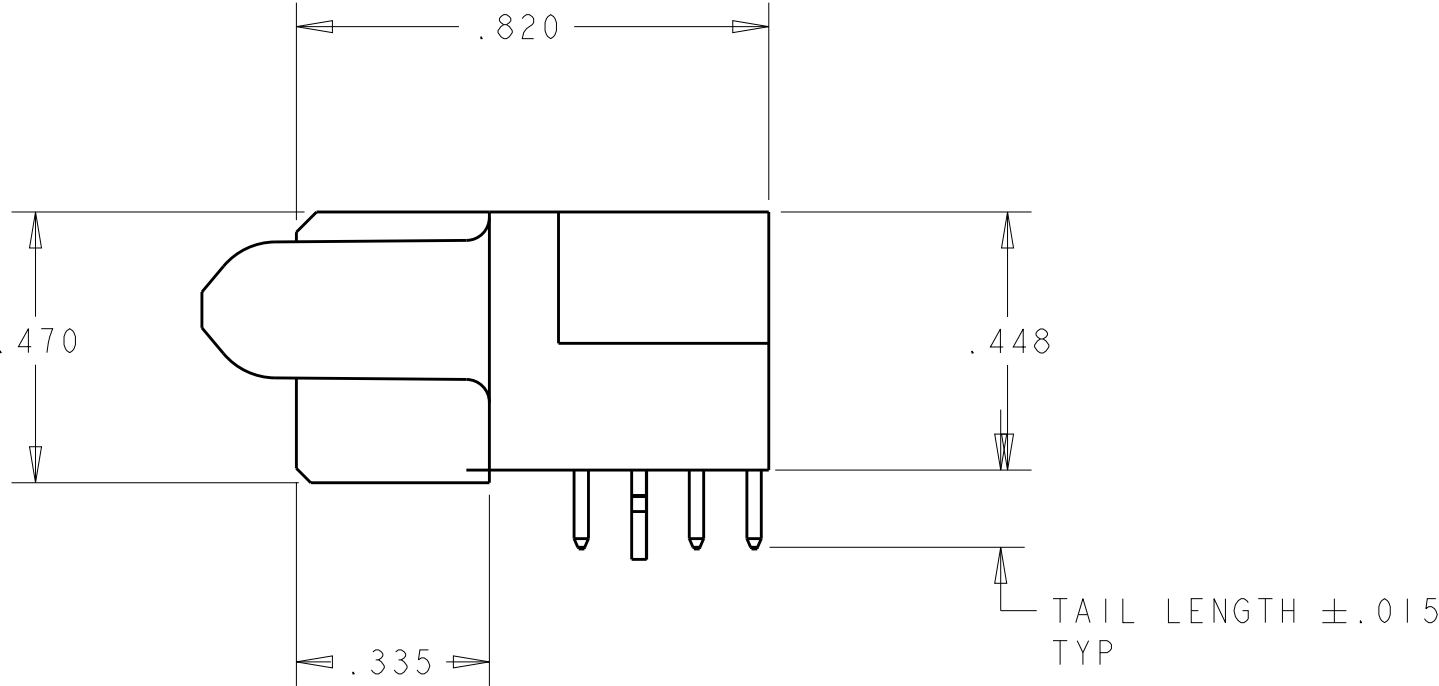
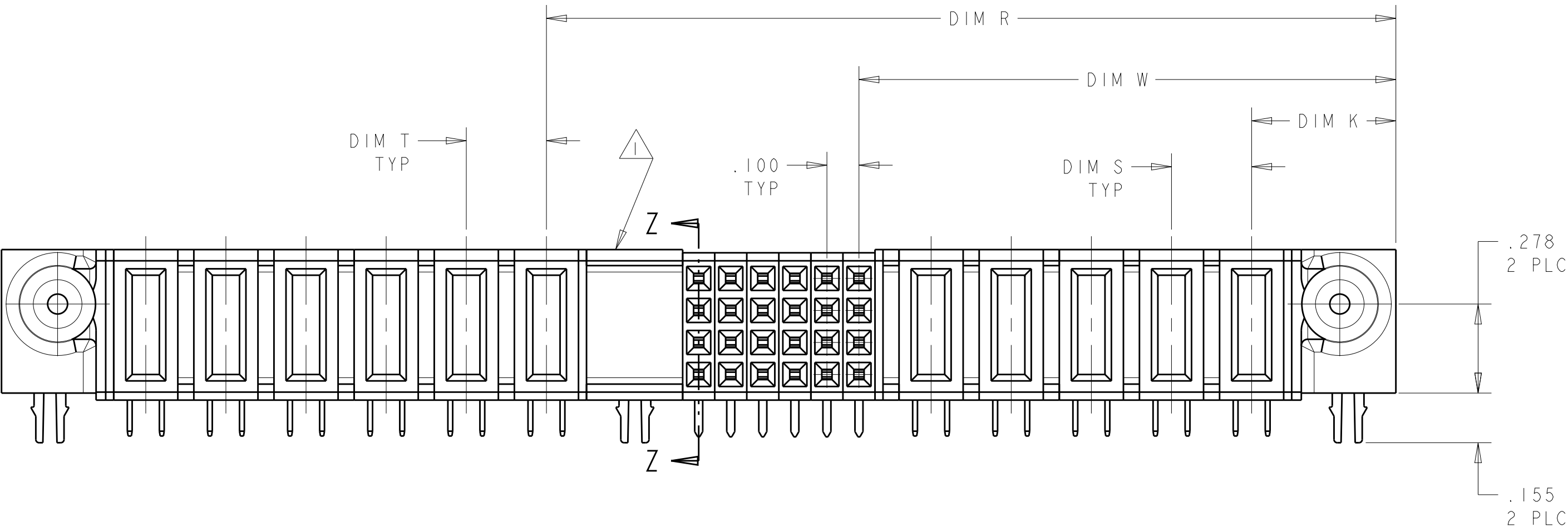


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		G	REV PER ECO-15-000526	19JAN2015	LAW	CZ



- 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	
DIMENSIONS: INCHES		CHK M.PERCHERKE 21FEB05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M.PERCHERKE 21FEB05	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
0 PLC ±.01		PRODUCT SPEC	SIZE	
1 PLC ±.01		108-1973	CAGE CODE	
2 PLC ±.01		APPLICATION SPEC	DRAWING NO	
3 PLC ±.005		114-13038	RESTRICTED TO	
4 PLC ±.002		WEIGHT	A100779C=6450160	
ANGLES ±.002		FINISH	Customer Drawing	
MATERIAL		3	SCALE 3:1	
		4	SHEET 1 OF 16	
			REV G1	

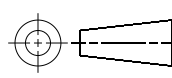
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

.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



MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

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

PRODUCT SPEC
108-1973
APPLICATION SPEC
114-13038

WEIGHT -

Customer Drawing

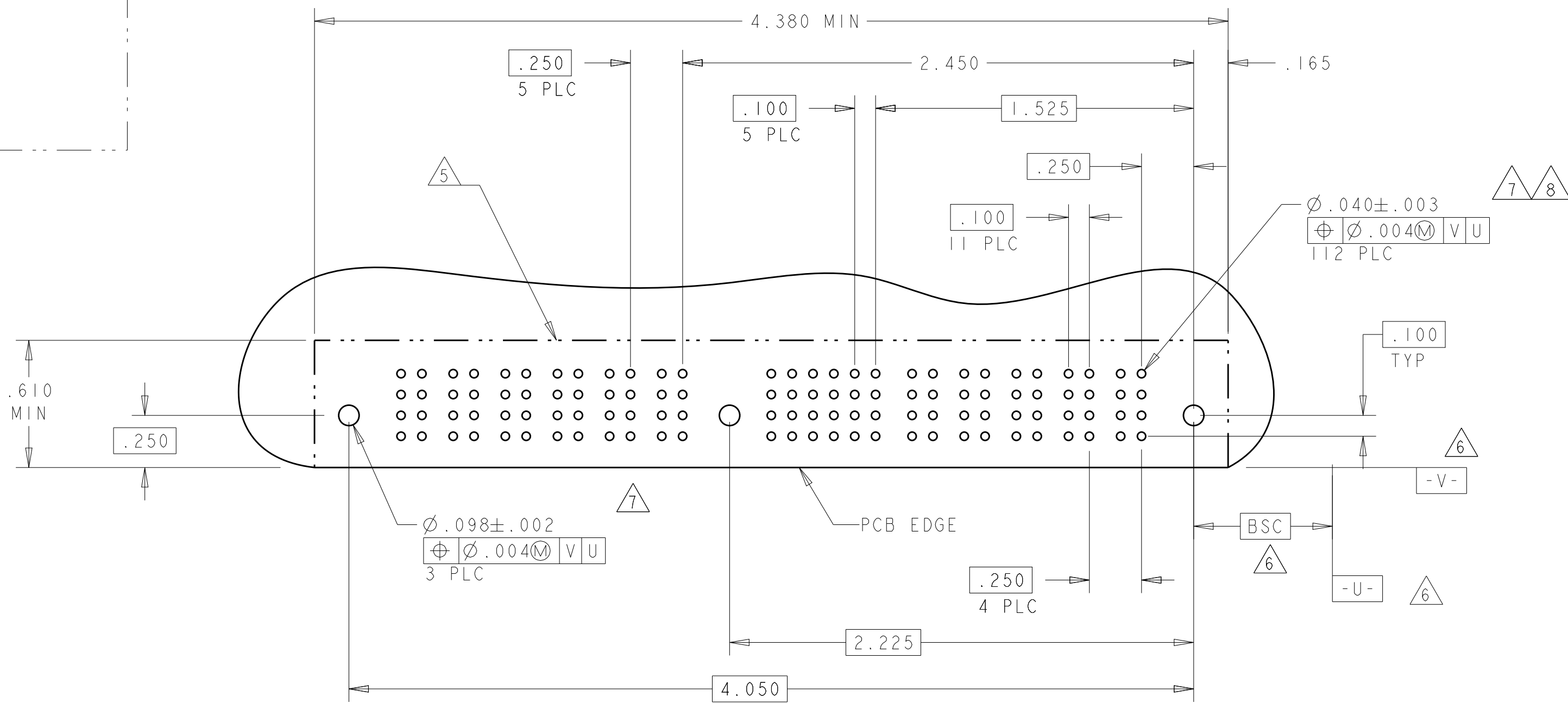
NAME
RIGHT ANGLE RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

SIZE 1
CAGE CODE 100779
DRAWING NO. 6450160
RESTRICTED TO -

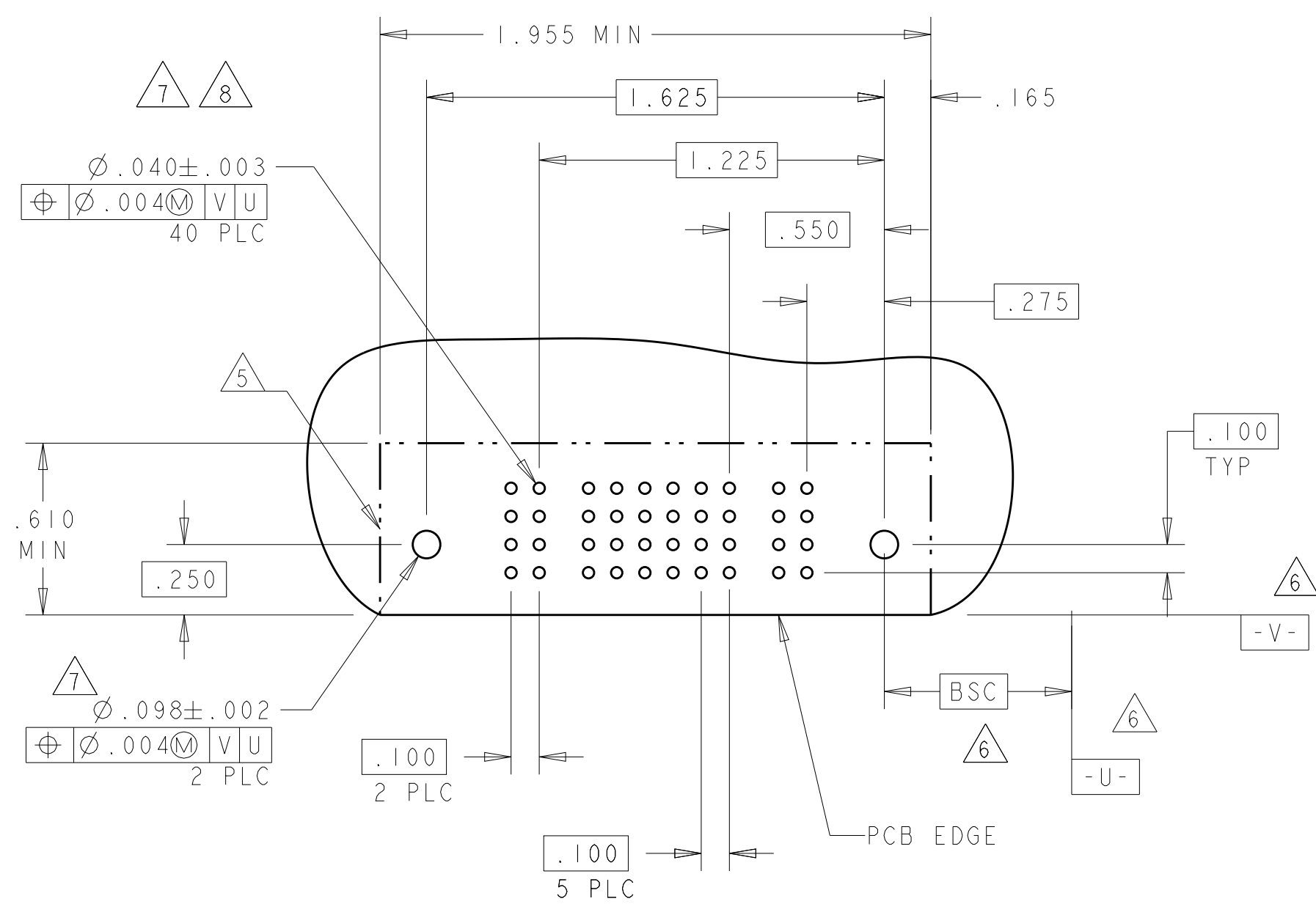
SCALE 3:1
SHEET 2 OF 16
REV G1

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	HD		L	K	L	K	L	K	RB	RB	RB	RB	RB	
										J	J	J	J	J	J						
										I	I	I	I	I	I						
										I	I	I	I	I	I						
5P + 24S + 1M + 6P																					HD

PART NUMBER	ROWS		POWER							SIGNAL							POWER					
			P11	P10	P9	P8	P7	P6	M1	6	5	4	3	2	1	P5	P4	P3	P2	P1		
6450160-5	D C B A																					
5P + 24S + 1M + 6P																						



PART NUMBER	ROWS			POWER		SIGNAL								POWER			
				P2		6	5	4	3	2	1	P1					
6450160-3	DCBA			RA	H	H	H	H	H	H	H	H	RA				
					G	G	G	G	G	G	G						
					F	F	F	F	F	F	F						
					E	E	E	E	E	E	E						
		HD													HD		
IP + 24S + IP																	

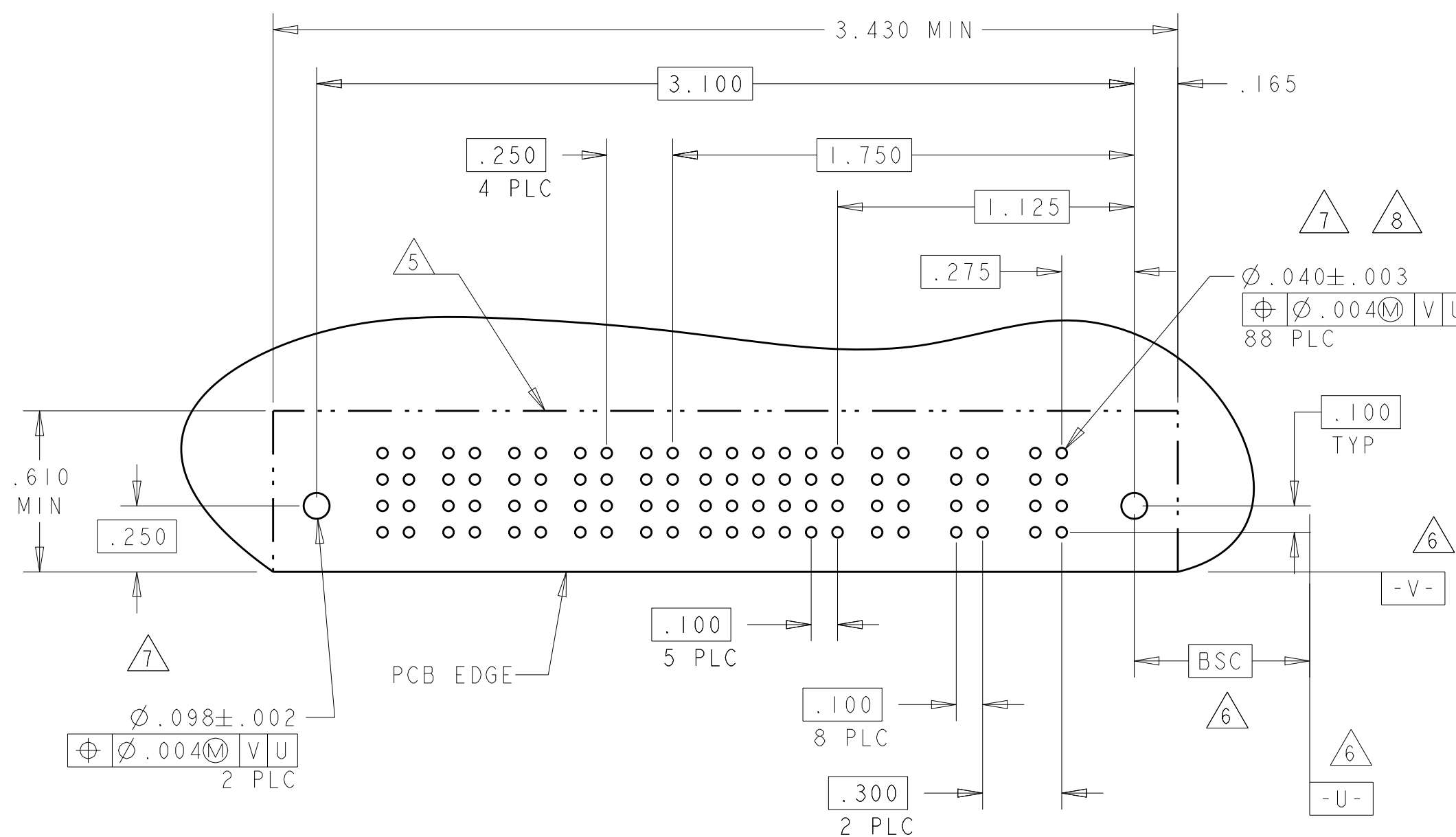


RN	.090	STD
RM	.135	STD
RA	.135	MFBL
RB	.090	MFBL
CODE	TAIL LENGTH	DESCRIPTION
POWER CONTACT		

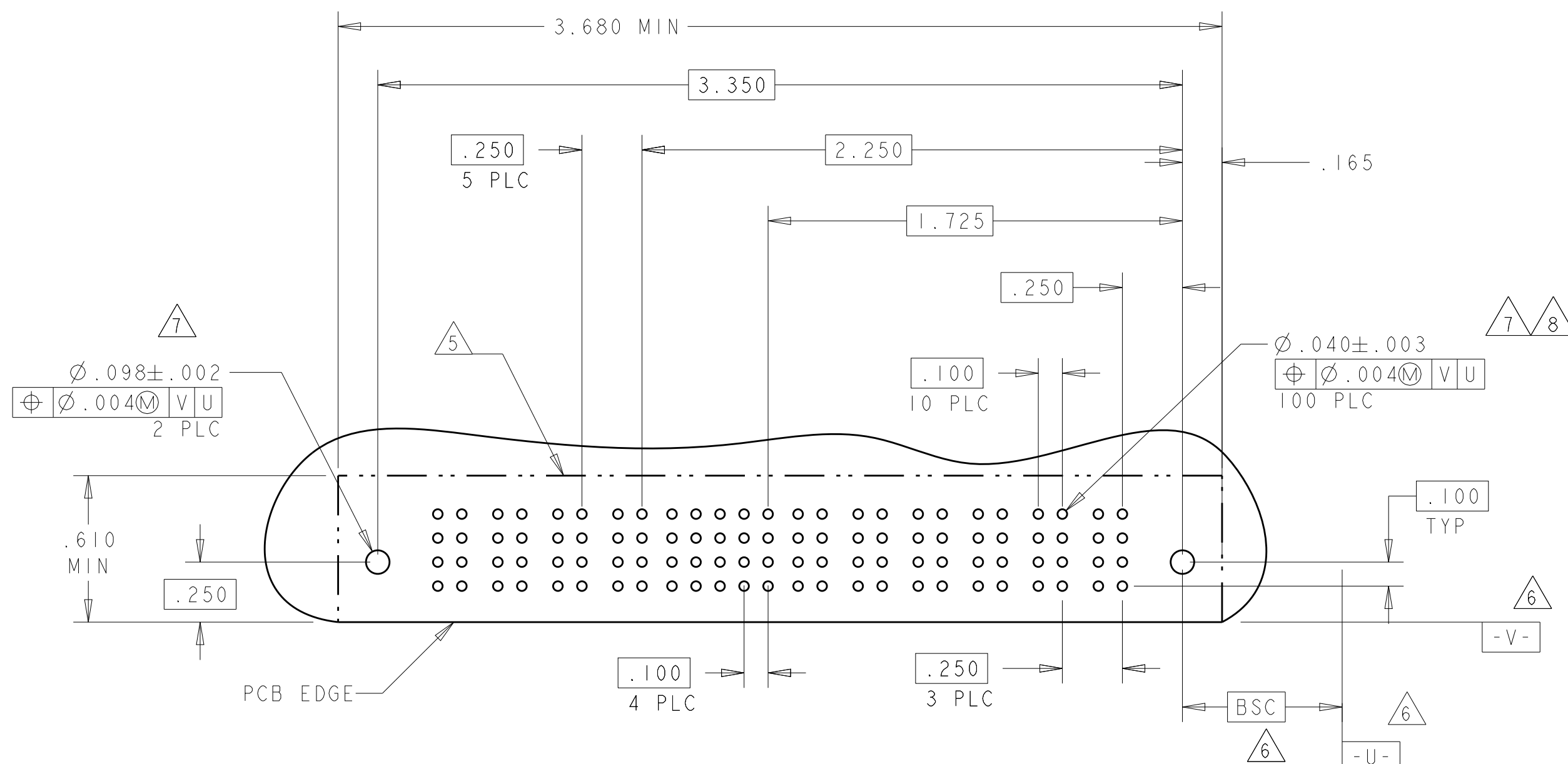
L	.090	D
K	.090	C
J	.090	B
I	.090	A
H	.135	D
G	.135	C
F	.135	B
E	.135	A
CODE	TAIL LENGTH	ROW
SIGNAL CONTACT		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN M. GRZYBOWSKI 21FEB05		 TE Connectivity	
DIMENSIONS: INCHES		CHN M. PERCHERKE 21FEB05			
TOI: ERANCS UNLESS OTHERWISE SPECIFIED.		EXPD M. PERCHERKE 21FEB05		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		PRODUCT SPEC 108-1973		SIZE CAGE CODE DRAWING NO A100779 C6450160	
0 PLC ±.1 2 PLC ±.1 3 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±0°		APPLICATION SPEC 114-13038			
MATERIAL FINISH		WEIGHT -			
		Customer Drawing		SCALE 4:1 SHEET 3 OF 16 REV G	

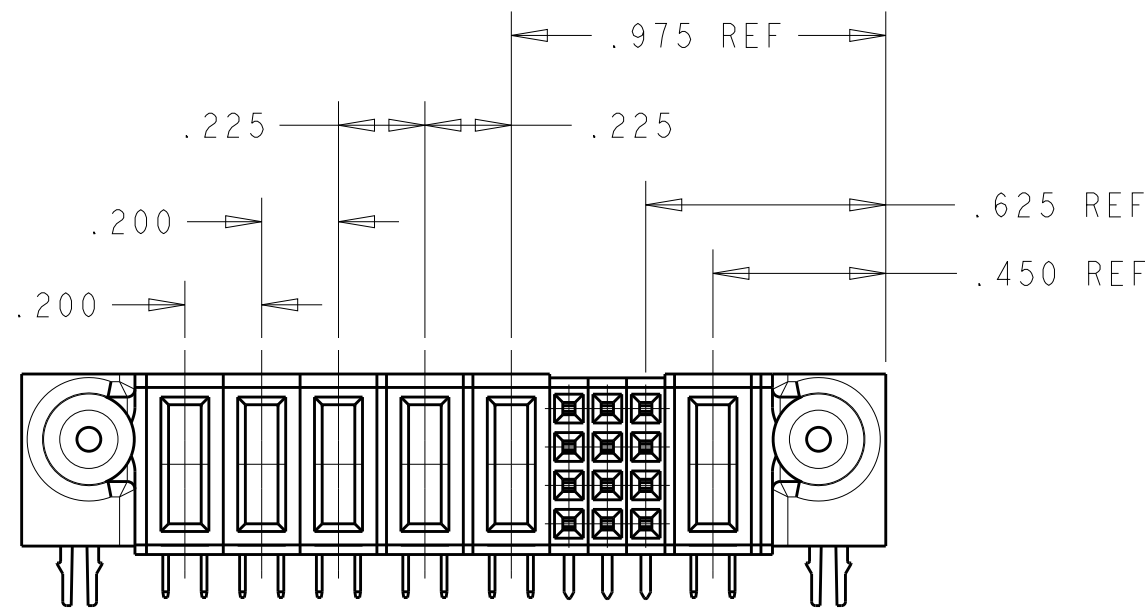
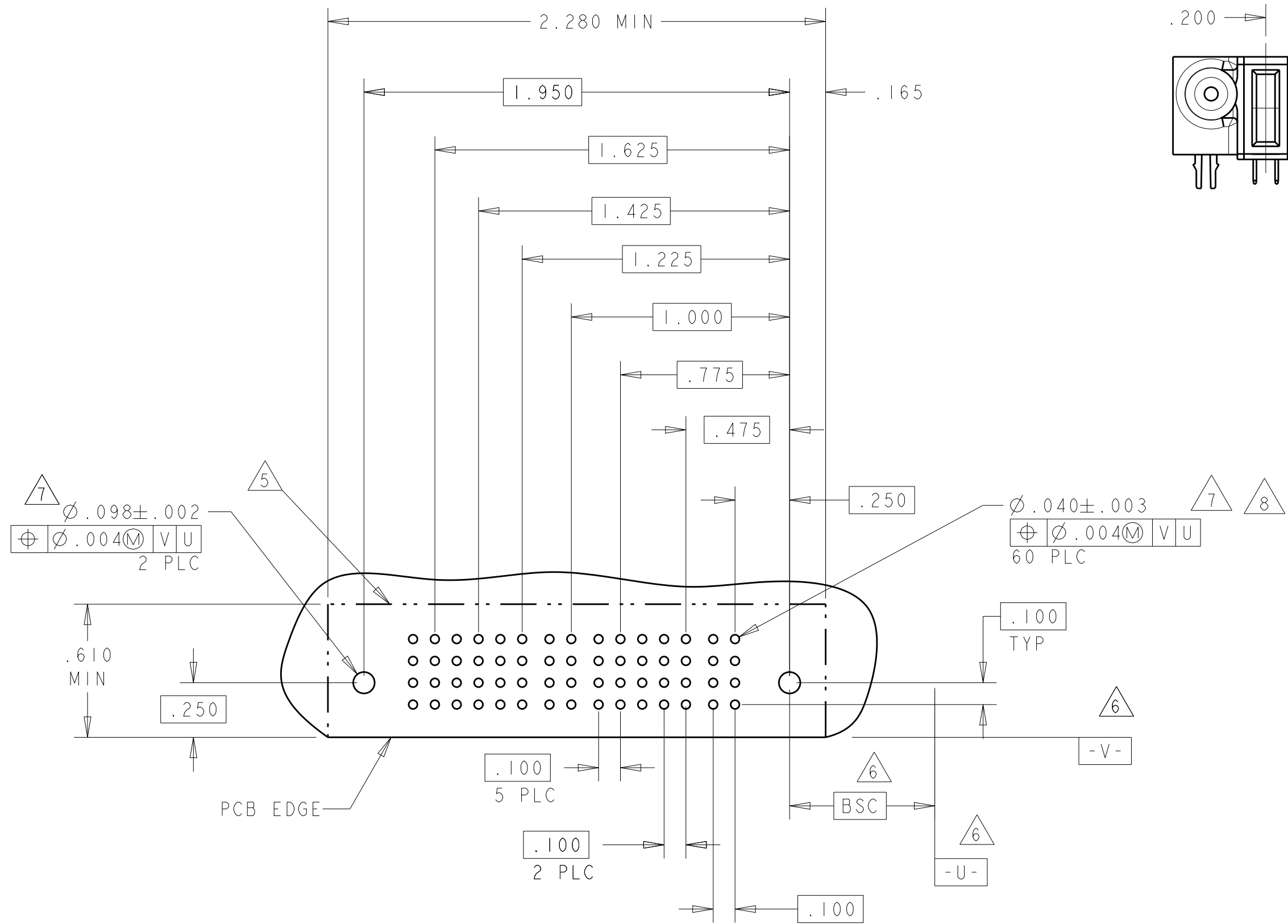
PART NUMBER	ROWS		POWER					SIGNAL					POWER			
			P8	P7	P6	P5	P4	G6	G5	G4	G3	G2	G1	P3	P2	
6450160-7	D C B A		RA	RA	RA	RA	RA	H	H	H	H	H	RA	RA	RA	
								G	G	G	G	G				
								F	F	F	F	F				
								E	E	E	E	E				
3ACP + 24S + 5P																



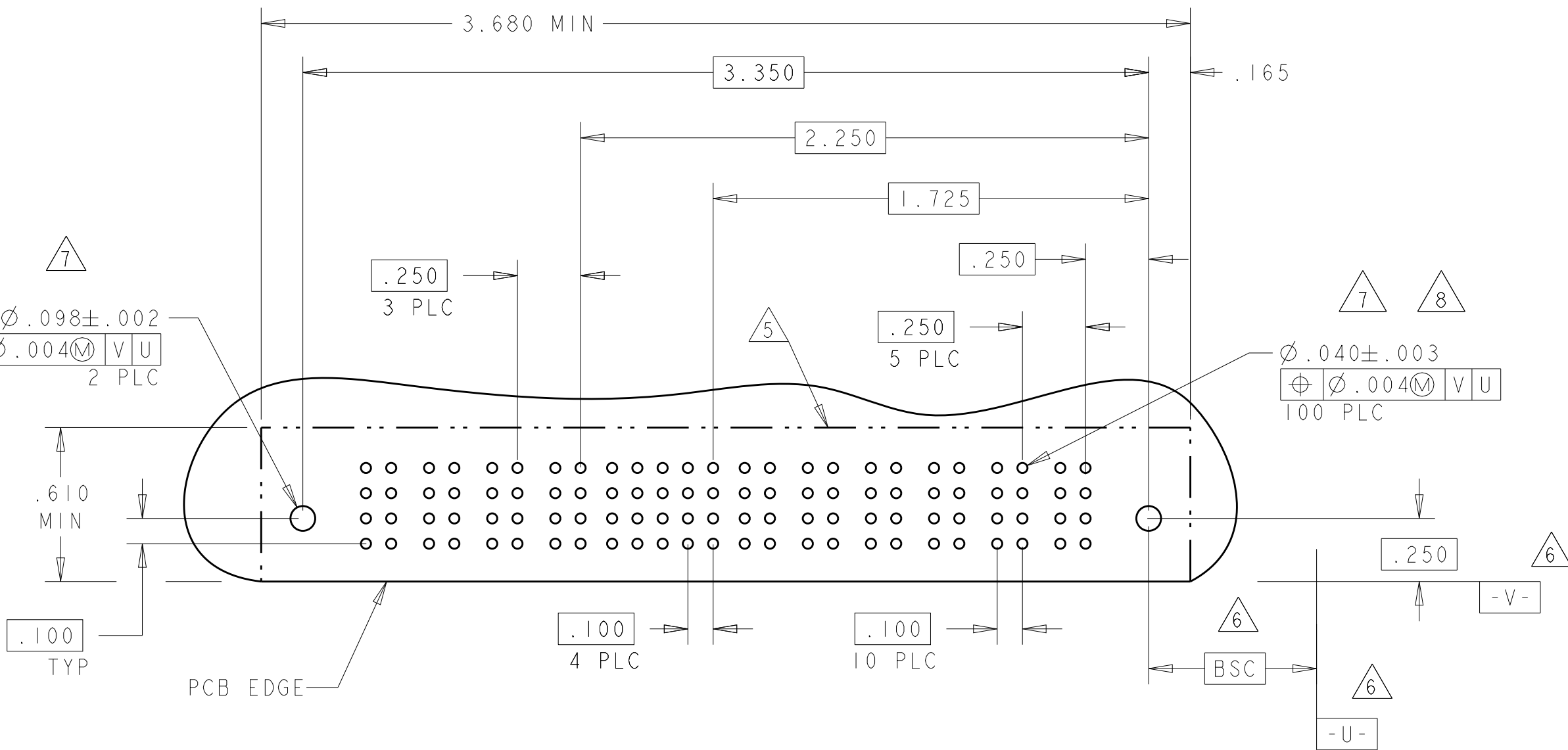
PART NUMBER	ROWS		POWER				SIGNAL				POWER									
			P10	P9	P8	P7	5	4	3	2	1	P6	P5	P4	P3	P2		P1		
6450160-9	D C B A		RA	RA	RA	RA	G	H	H	H	H	G	RA	RA	RA	RA	RA	RA		
6P + 20S + 4P																				

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PART NUMBER	ROWS		POWER					SIGNAL				POWER	
			P6	P5	P4	P3	P2	3	2	1	P1		
1-6450160-1	D C B A	HD	RA	RA	RA	RA	RA	H	H	H		RA	HD
								G	G	G			
								F	F	F			
								E	E	E			
1P + 12S + 5P													



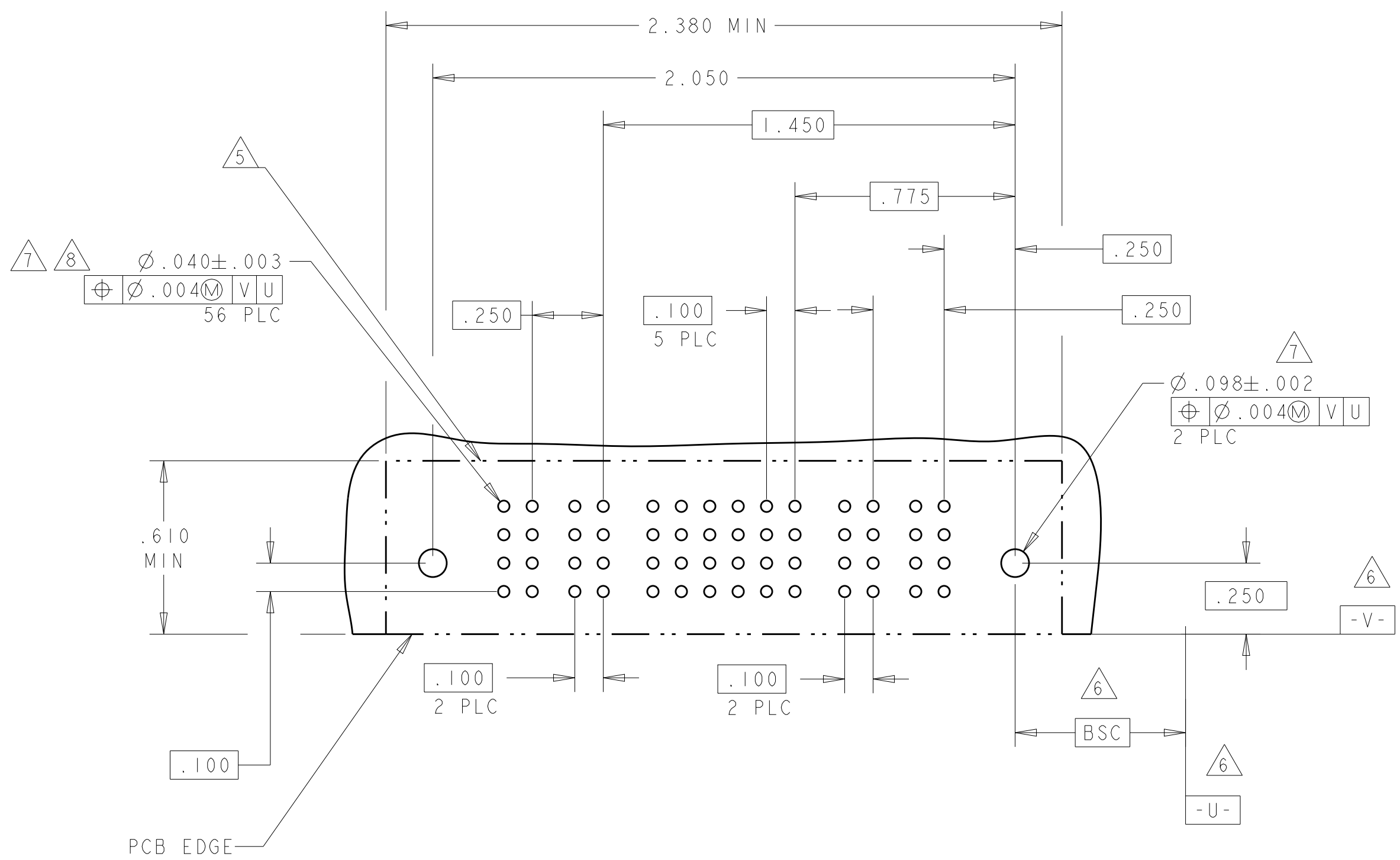
PART NUMBER	ROWS		POWER				SIGNAL				POWER							
			P10	P9	P8	P7	5	4	3	2	1	P6	P5	P4	P3	P2		P1
1-6450160-9	D C B A		RA	RA	RA	G H G H H H				RA	RA	RA	RA	RA	RA			
						G H G G G G												
						F F F F F F												
						E E E E E E												
6P + 20S + 4P			HD														HD	

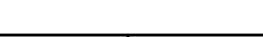


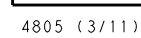
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN. GRZYBOWSKI ZTFEB05 CHK. M. PERCHERKE ZTFEB05 APP. M. PERCHERKE ZTFEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±°		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		SIZE CAGE CODE DRAWING NO A100779C6450160	
MATERIAL FINISH		WEIGHT -		RESTRICTED TO -	
***		Customer Drawing		SCALE 4:1 SHEET 5 OF 16 REV G	

[illegible]

PART NUMBER	ROWS		POWER		SIGNAL							POWER		
			P4	P3	6	5	4	3	2	1	P2	P1		
4-6450160-5	D C B A													
														
2P + 24S + 2P														

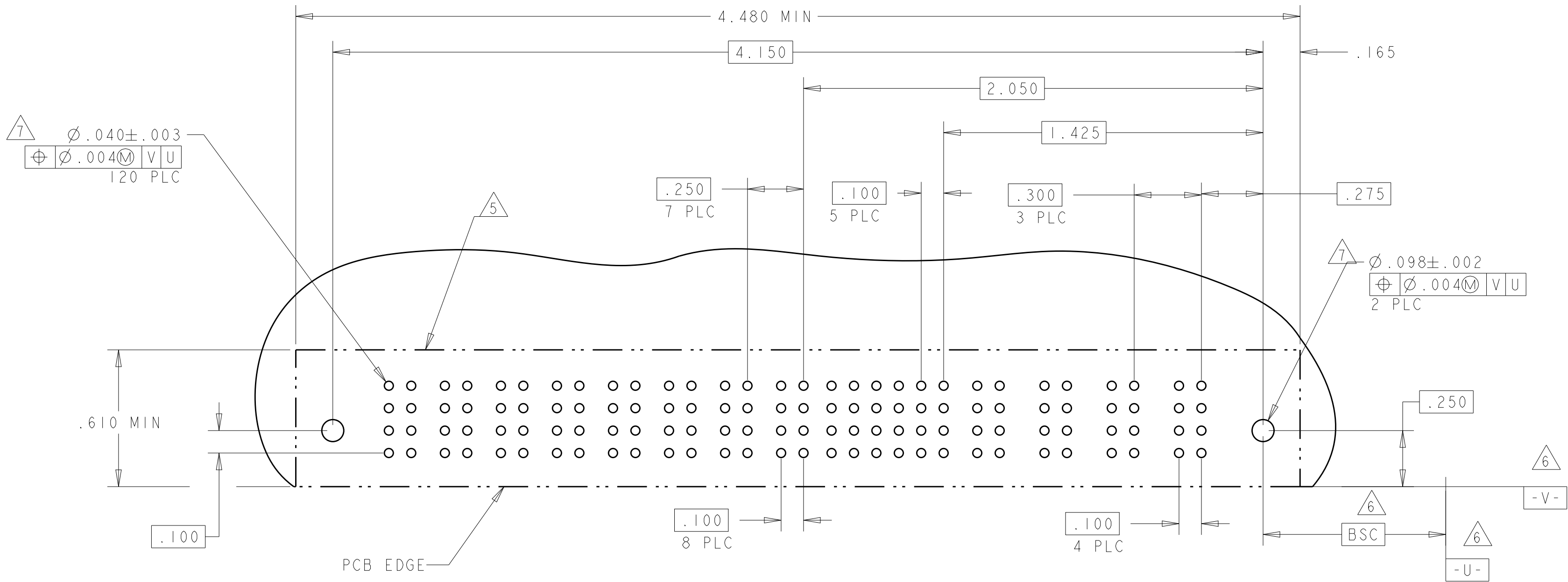


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Z GRZYBOWSKI 21FE005		 TE Connectivity	
DIMENSIONS: INCHES		CHN M PERCHERRE 21FE005			
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		0 PLC ±.1 1 PLC ±.1 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002			
		FINISH ANGLE ±2°			
		MATERIAL WEIGHT -			
CUSTOMER DRAWING SCALE 4:1		DRAWING NO A100779		RESTRICTED TO -	
SHEET 6 OF 16		REV G			

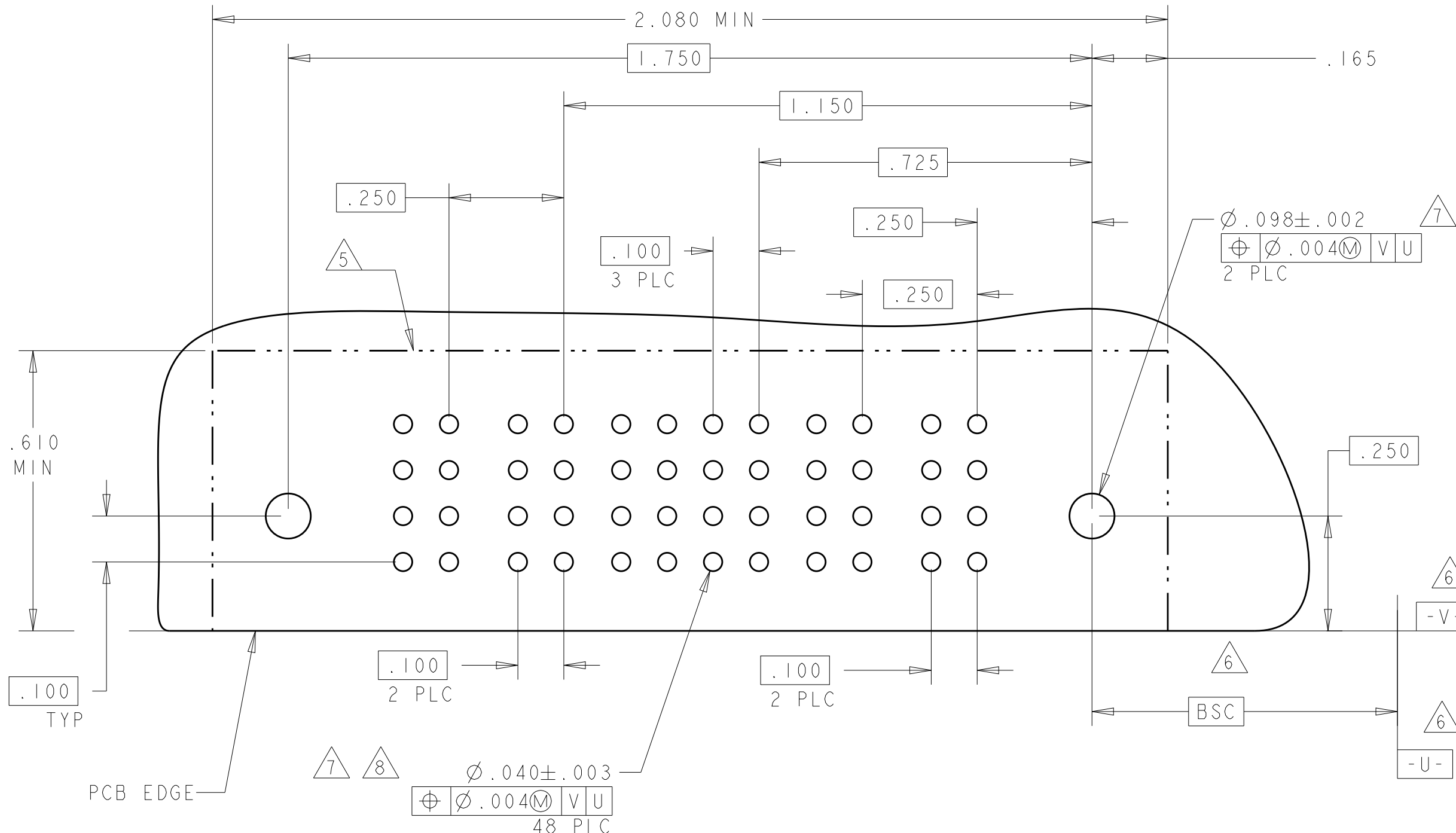


LOC		DIST		REVISONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	

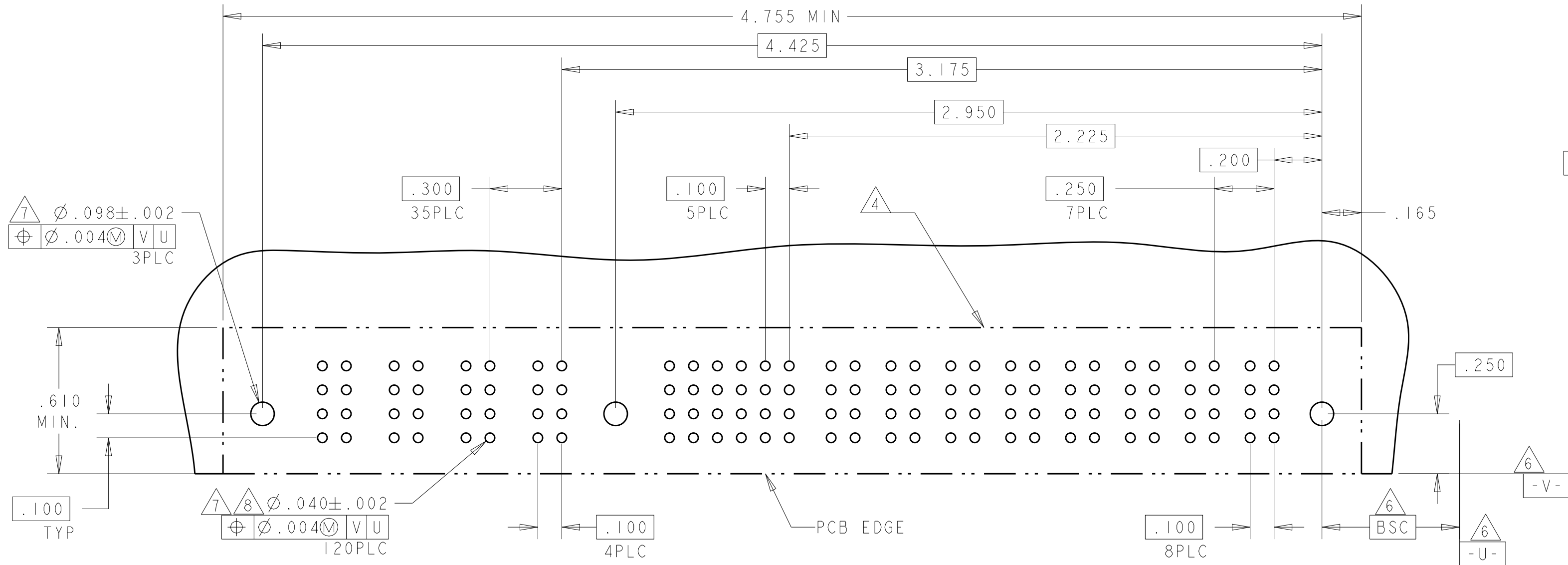
PART NUMBER	ROWS		POWER								SIGNAL						POWER				
			P12	P11	P10	P9	P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
2-6450160-9	D C B A		RM	RM	RM	RM	RM	RM	RM	H	H	H	H	H	H	RM	RM	RM	RM		
										G	G	G	G	G	G						
										F	F	F	F	F	F						
										E	E	E	E	E	E						
4ACP + 24S + 8P																					



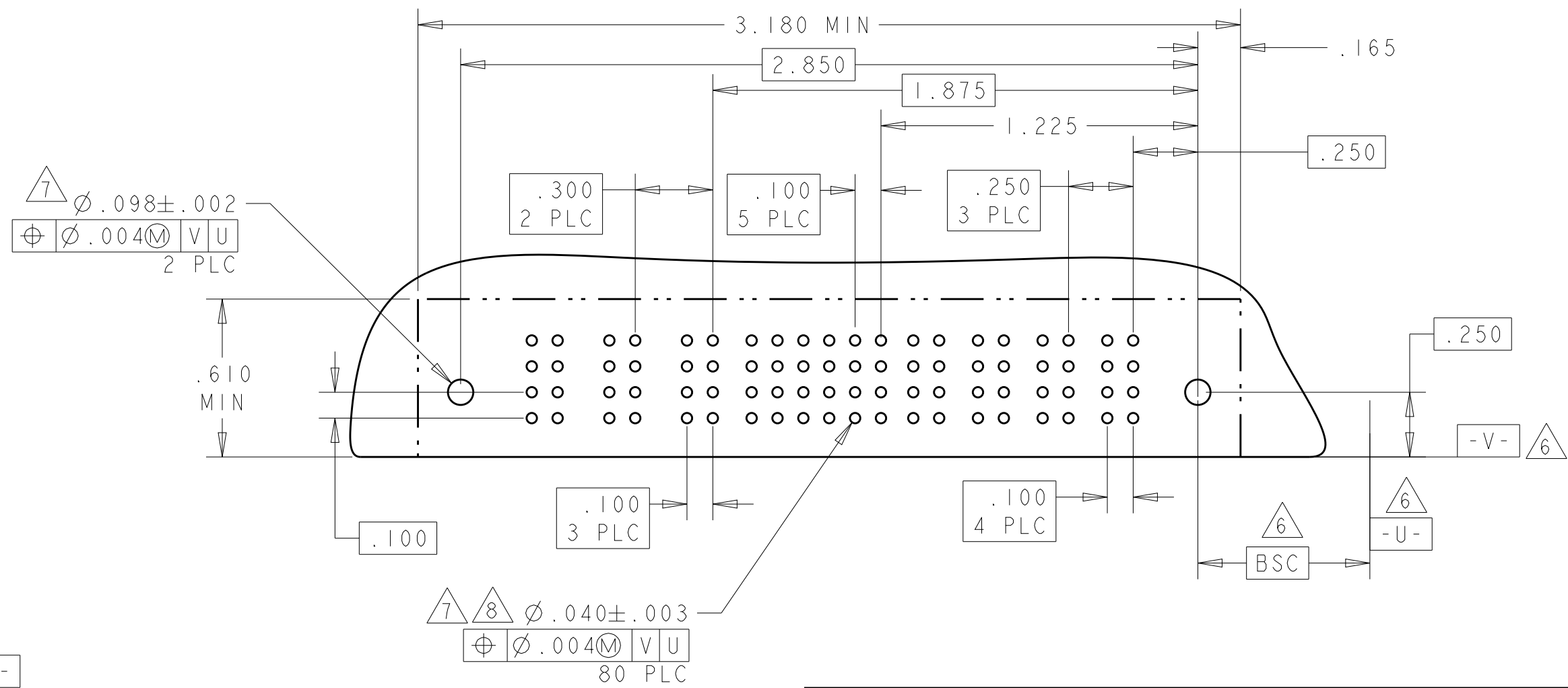
PART NUMBER	ROWS		POWER		SIGNAL				POWER			
			P4	P3	4	3	2	1	P2	P1		
3-6450160-1	D C B A			RM	RM	H	H	H	H	RM	RM	
						G	G	G	G			
						F	F	F	F			
						E	E	E	E			
2P + 16S + 2P												



PART NUMBER	ROWS		POWER					SIGNAL						POWER								
			P12	P11	P10	P9		6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1	
3-6450160-0	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									
8P + 24S + 1M + 4ACP																						



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		RM	RM	RM	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																	



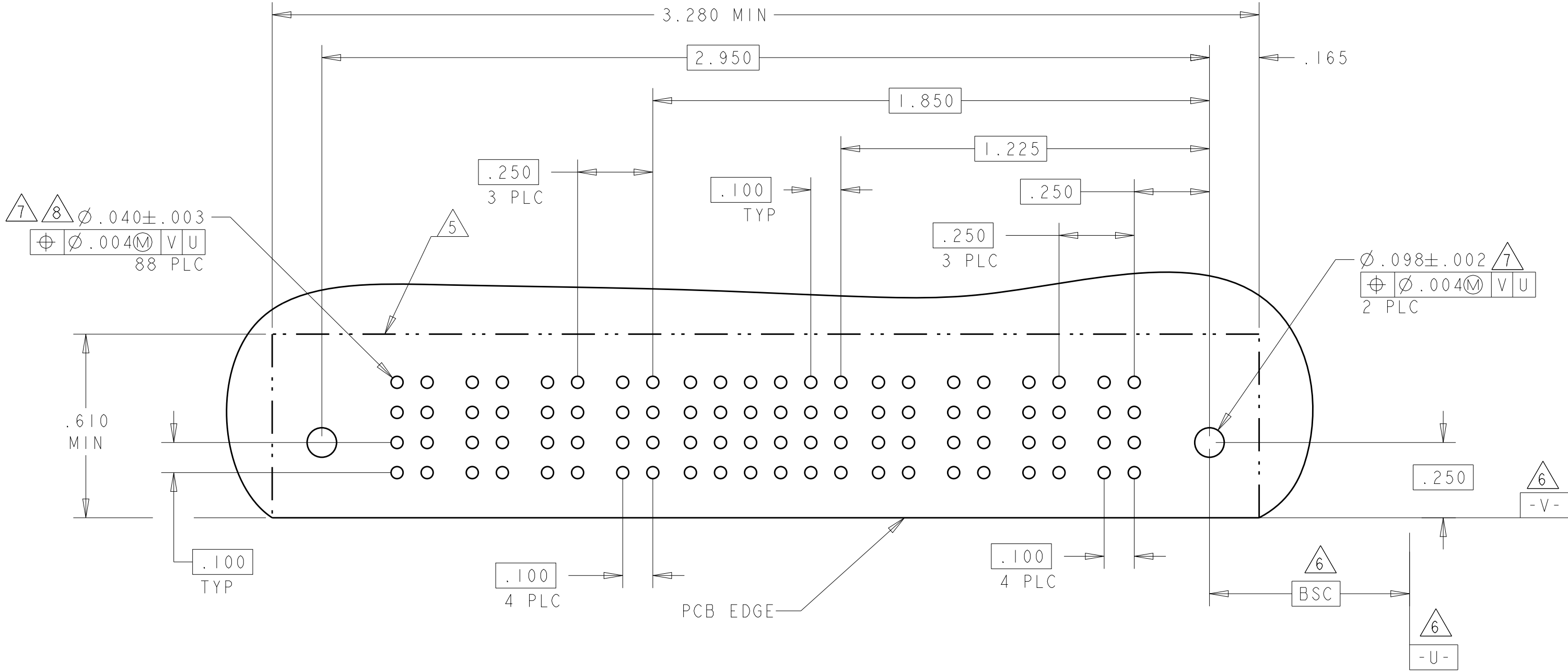
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	21FEB05	TE Connectivity			
DIMENSIONS: INCHES		CHK M. PERCHERKE	21FEB05				
		APVD M. PERCHERKE	21FEB05	NAME			
		PRODUCT SPEC		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL			
MATERIAL		108-1973		APPLICATION SPEC		SIZE	
FINISH		114-13038		WEIGHT		CAGE CODE	
						DRAWING NO	
						A100779	
						C=6450160	
						Customer Drawing	
						SCALE	
						3:1	
						SHEET	
						7	
						OF	
						16	
						REV	
						G1	

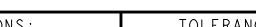
This mechanical drawing illustrates the layout of a PCB, featuring a central array of 120 circular holes arranged in 4 rows and 30 columns. The drawing includes various dimensions and tolerances:

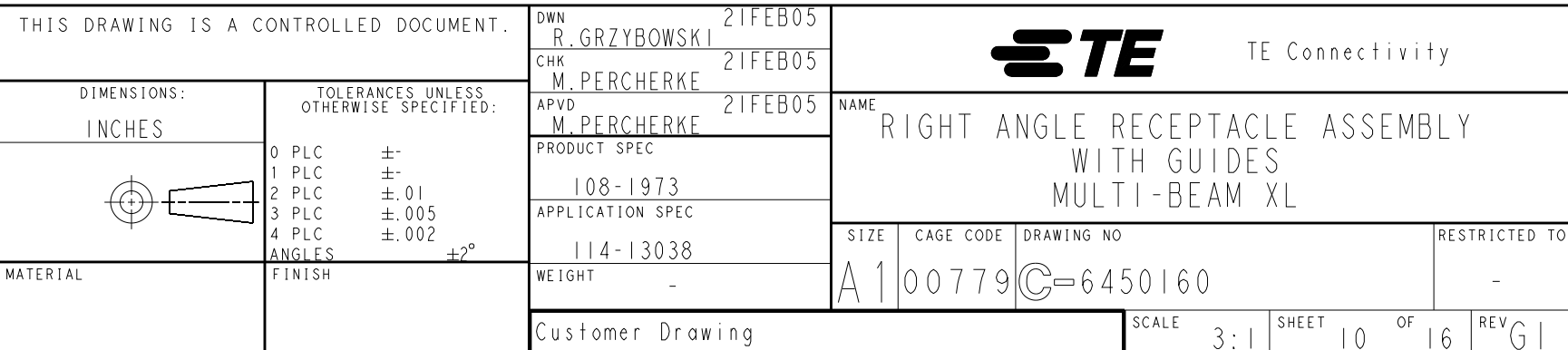
- Overall Dimensions:**
 - Top: 4.080 MIN.
 - Right: .165
 - Bottom: .610 MIN.
- Internal Dimensions and Tolerances:**
 - Top: 3.750, 2.500, 1.875, .250
 - Left: .300 (3 PLC), .100 (5 PLC), .200 (7 PLC)
 - Right: .250
 - Bottom: .100 (4 PLC), .100 (8 PLC), .250
- Surface Features and Tolerances:**
 - Top Left: $\varnothing .098 \pm .002$ (7), $\varnothing .004$ (2 PLC)
 - Bottom Left: $\varnothing .040 \pm .003$ (7, 8), $\varnothing .004$ (120 PLC)
 - Bottom Right: BSC (6), -V- (6), -U- (6)
- Other Labels:**
 - PCB EDGE
 - .100 TYP

[illegible]4805 (3/11)

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

4805 (3/11)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWA R. GRZYBOWSKI		21FE0B05		 TE Connectivity	
		CMP M. PERCHERKE		21FE0B05			
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE		NAME	
		0 PLC ±.1		PRODUCT SPEC		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		2 PLC ±.01		108-1973			
		2 PLC ±.005		APPLICATION SPEC			
		4 PLC ±.002		114-13038			
ANGLES FINISH		±.02		WEIGHT		SIZE CASE CODE DRAWING NO	
MATERIAL				-		A1 00779 C-6450160	
				Customer Drawing		SCALE 3:1 SHEET 10 OF 16 REV G	



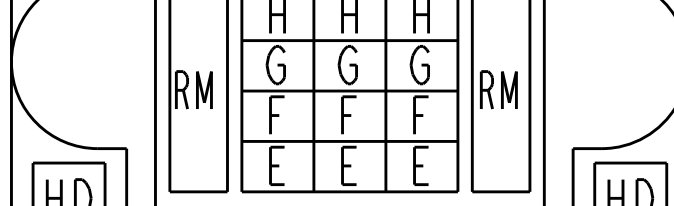
4805 (3/11)

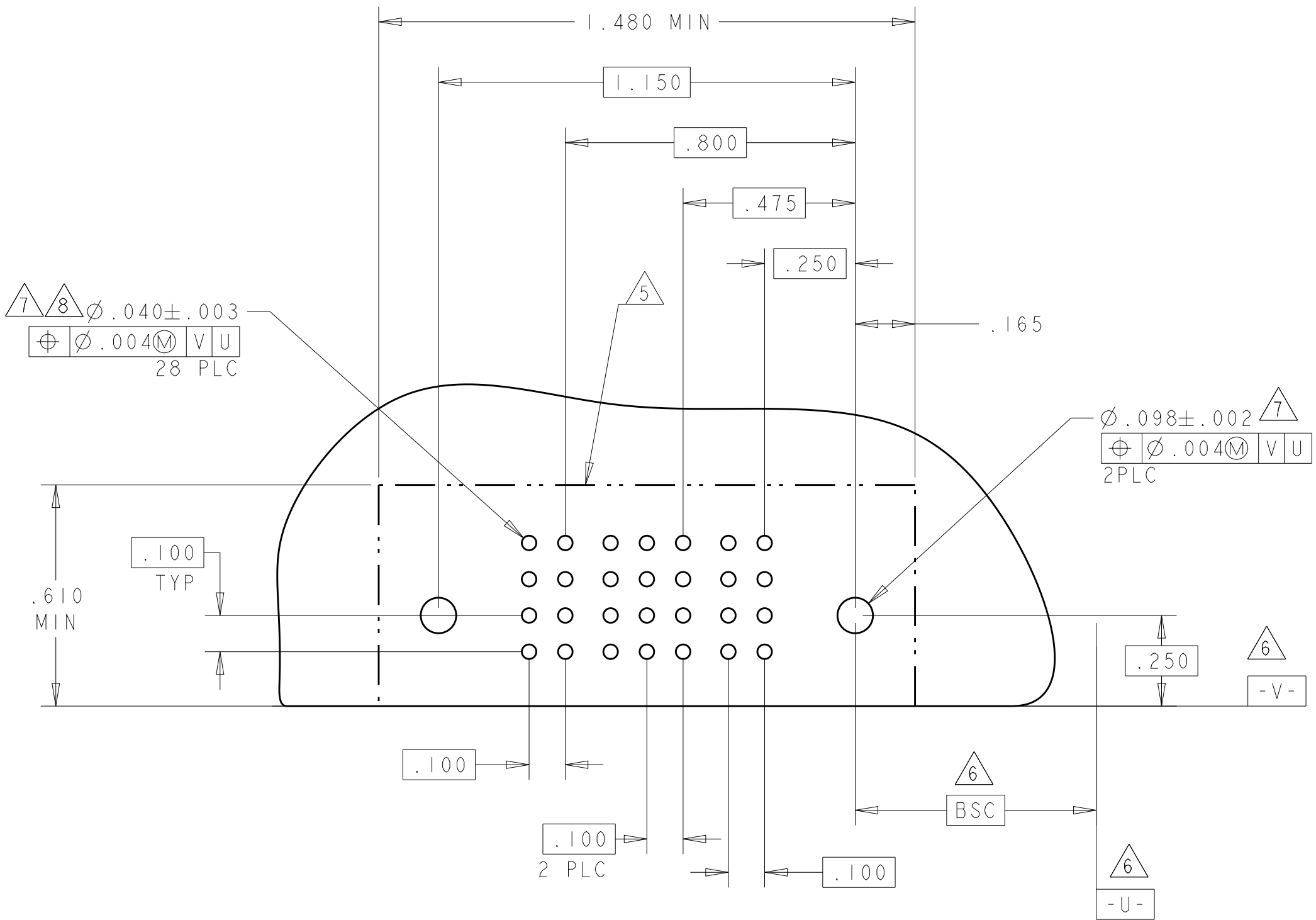
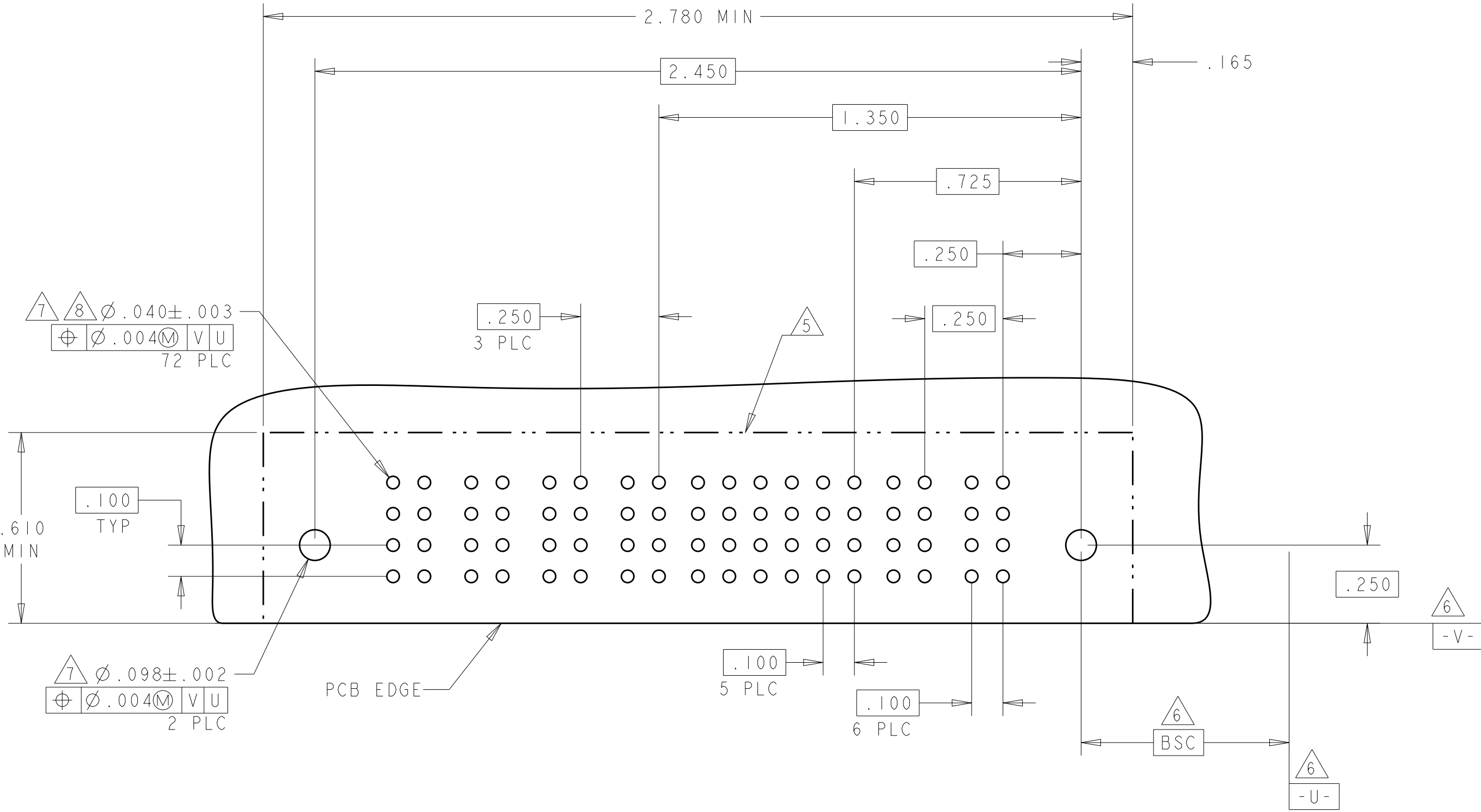
D5

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

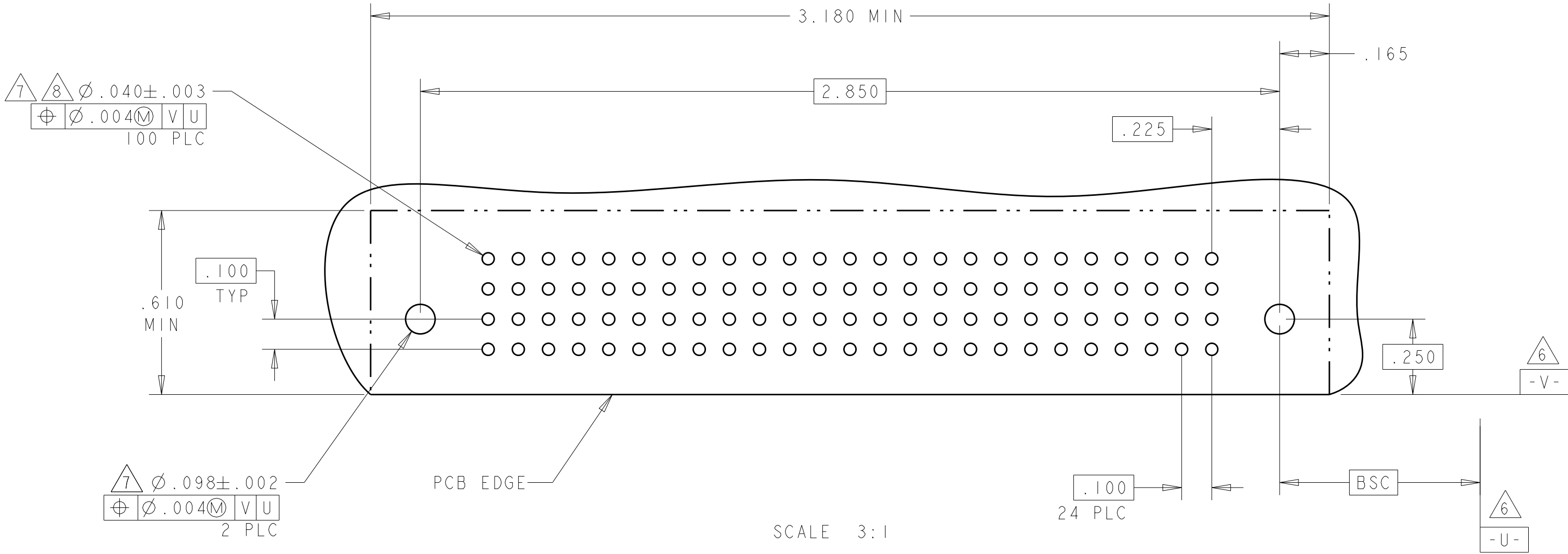
PART NUMBER	ROWS		POWER				SIGNAL						POWER		
			P6	P5	P4	P3	6	5	4	3	2	1	P2	P1	
4-6450160-0	D		RM	RM	RM	RM	H	H	H	H	H	H	RM	RM	
	C						G	G	G	G	G	G			
	B						F	F	F	F	F	F			
	A	HD					E	E	E	E	E	E			
2P + 24S + 4P															

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

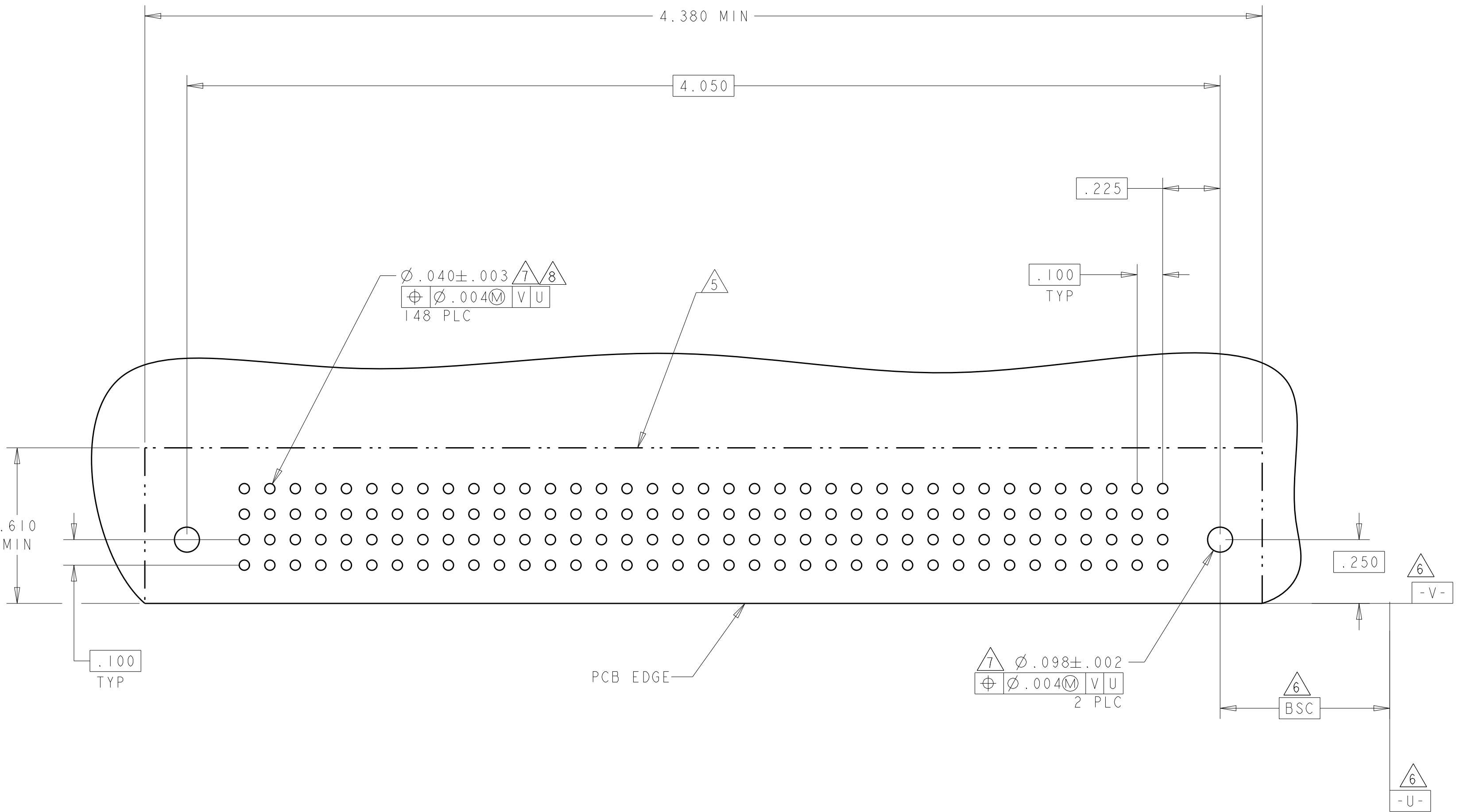


LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	SEE SHEET 1		-	-	-

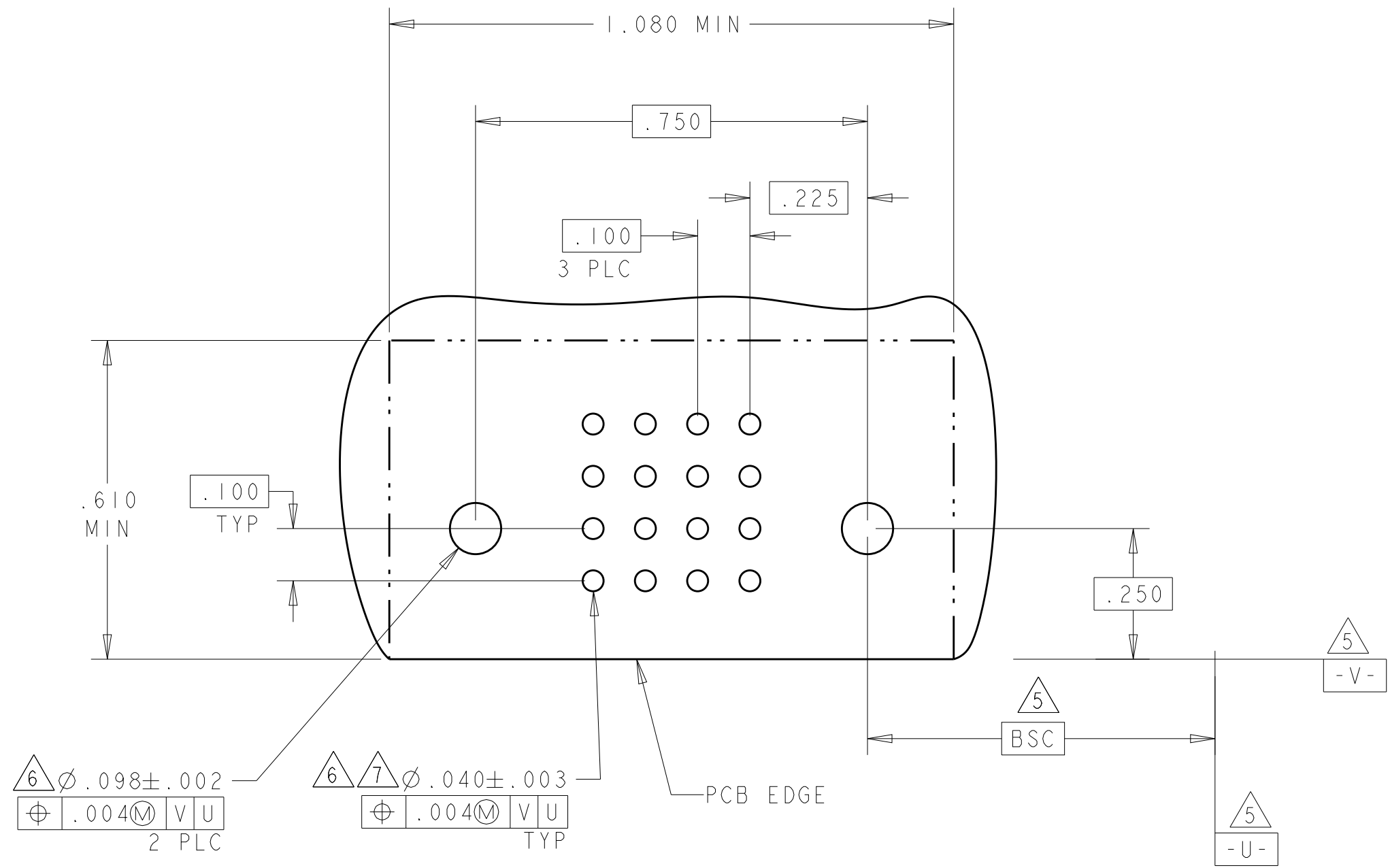
PART NUMBER	ROWS		SIGNAL																										
			25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2		1	
4-6450160-4	D C B A	HD	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H		
			G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	
			F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
			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	
100S																													



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	1	
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	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	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	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	E	E
148S																																									

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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		E	E	E	E	
16S		HD					HD

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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>

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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