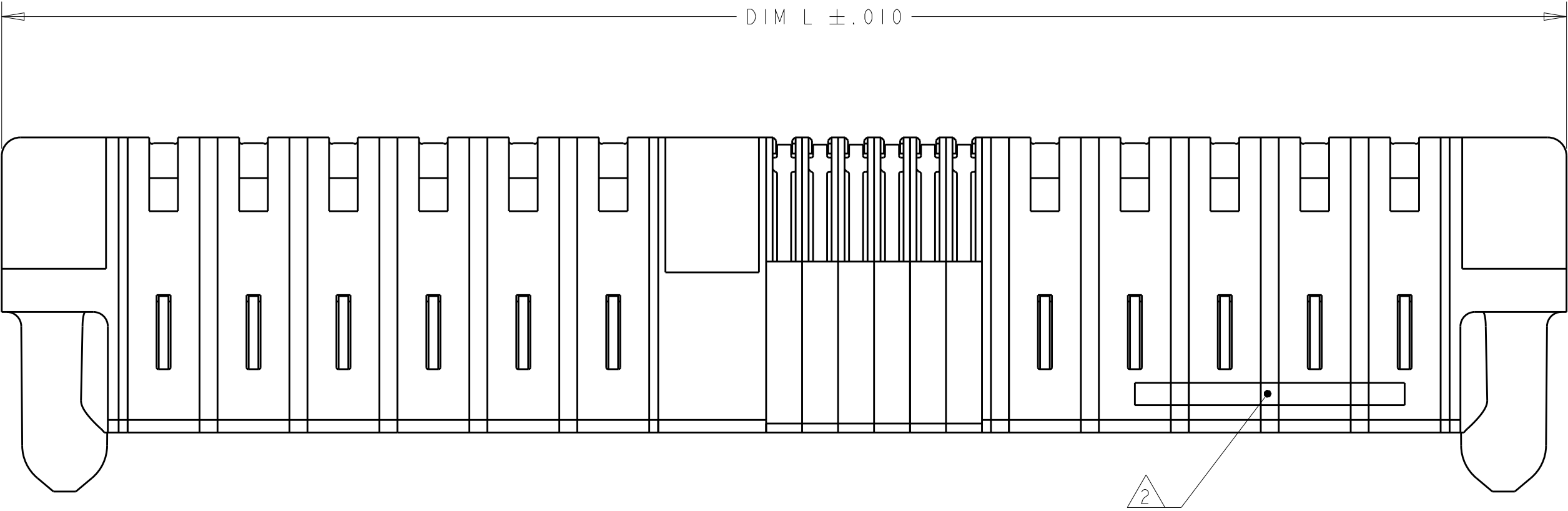
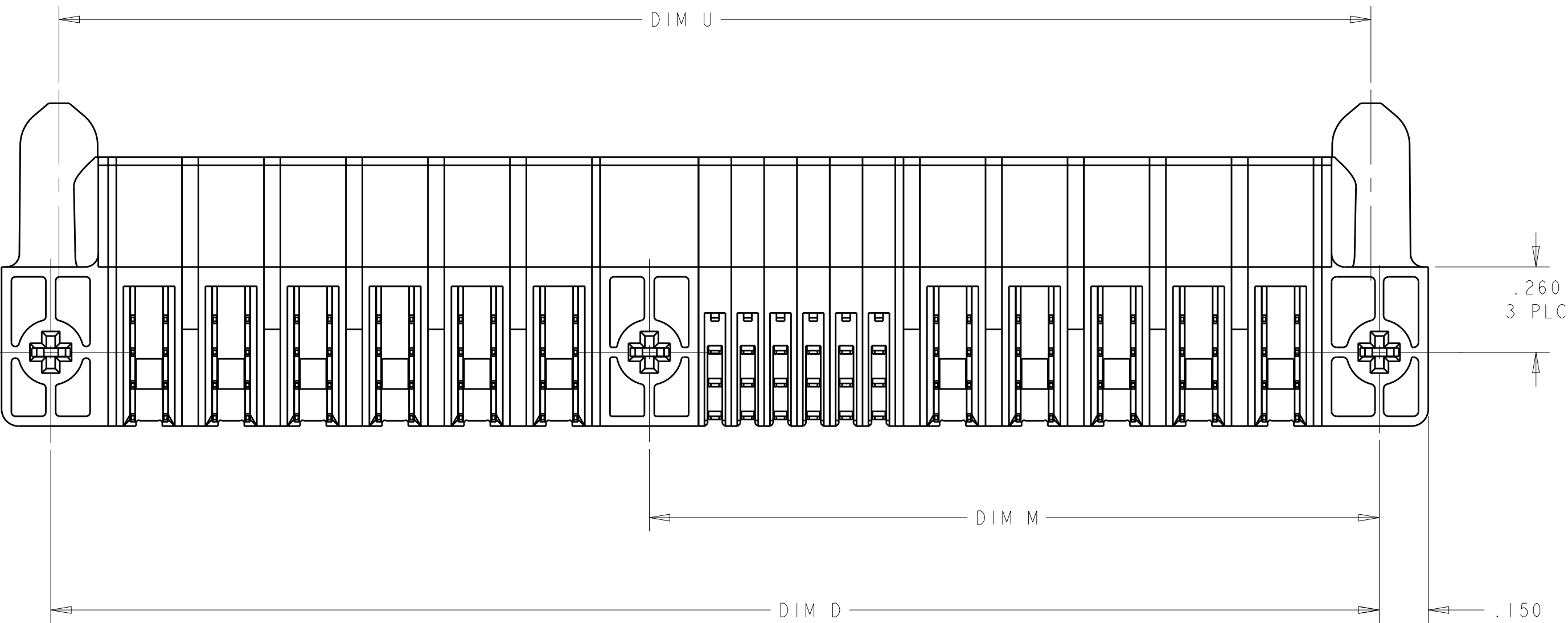
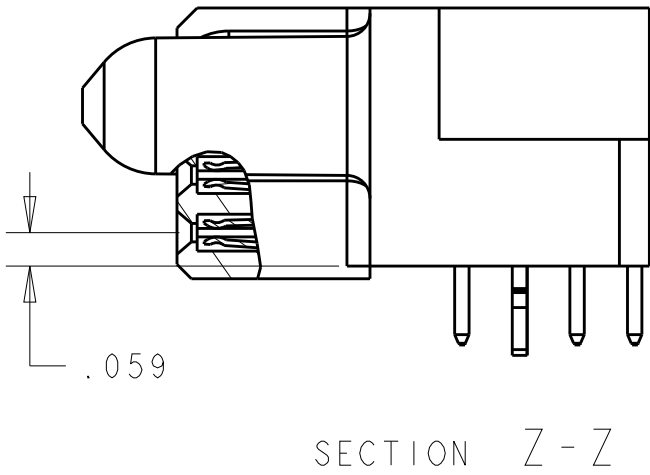
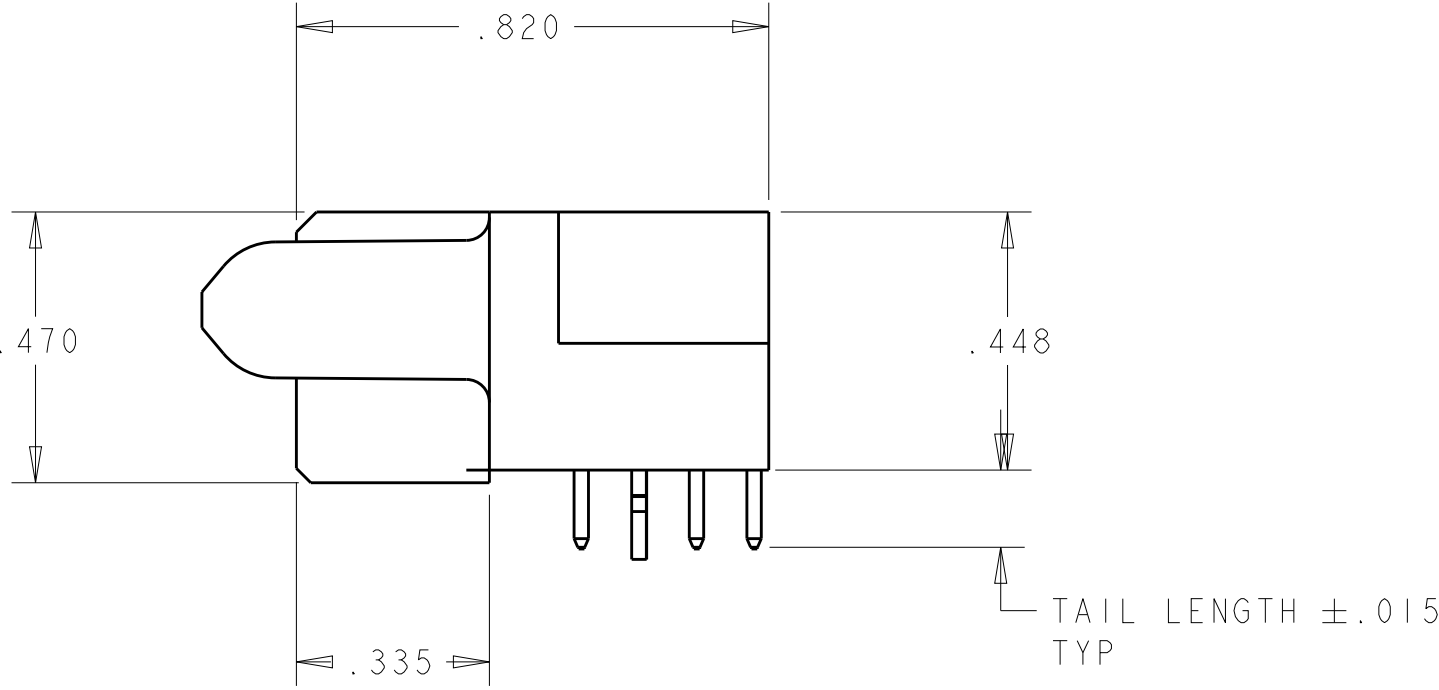
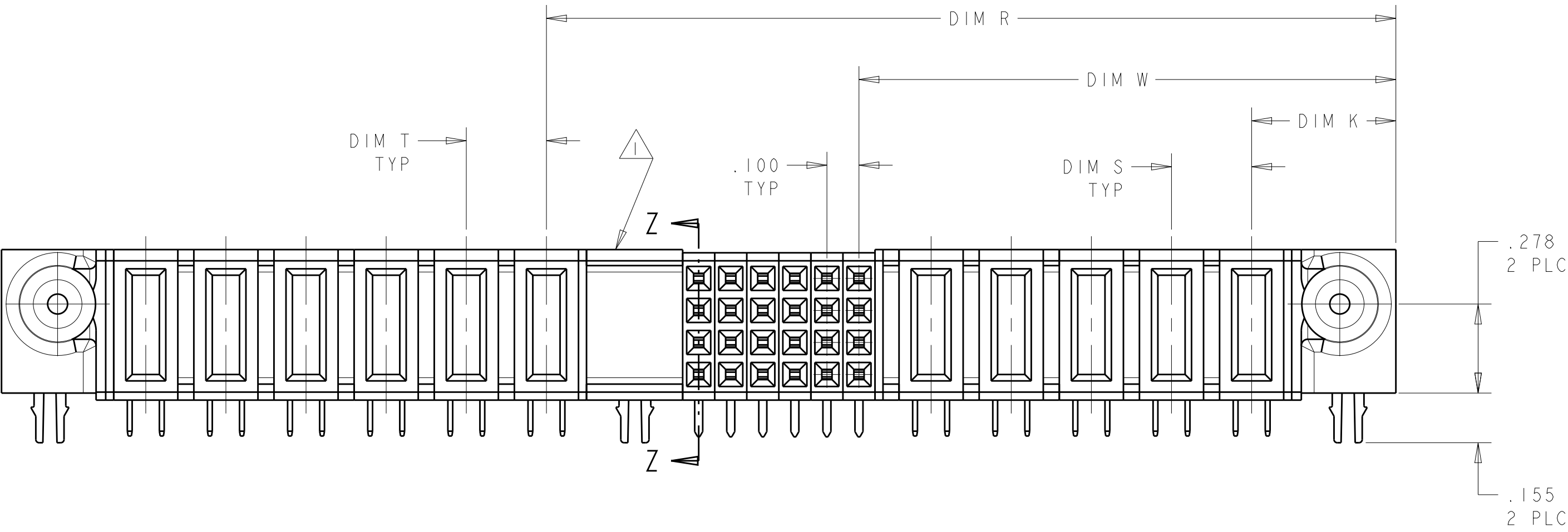


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		G	REV PER ECO-15-000526	19JAN2015	LAW	CZ



- 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 CHK M.PERCHERKE 21FEB05 APVD M.PERCHERKE 21FEB05	TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±" 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.2°	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
MATERIAL		FINISH	PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	SIZE A100779
WEIGHT		Customer Drawing	SCALE 3:1	SHEET 1 OF 16
REV G		RESTRICTED TO		

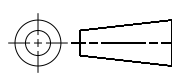
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

.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
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

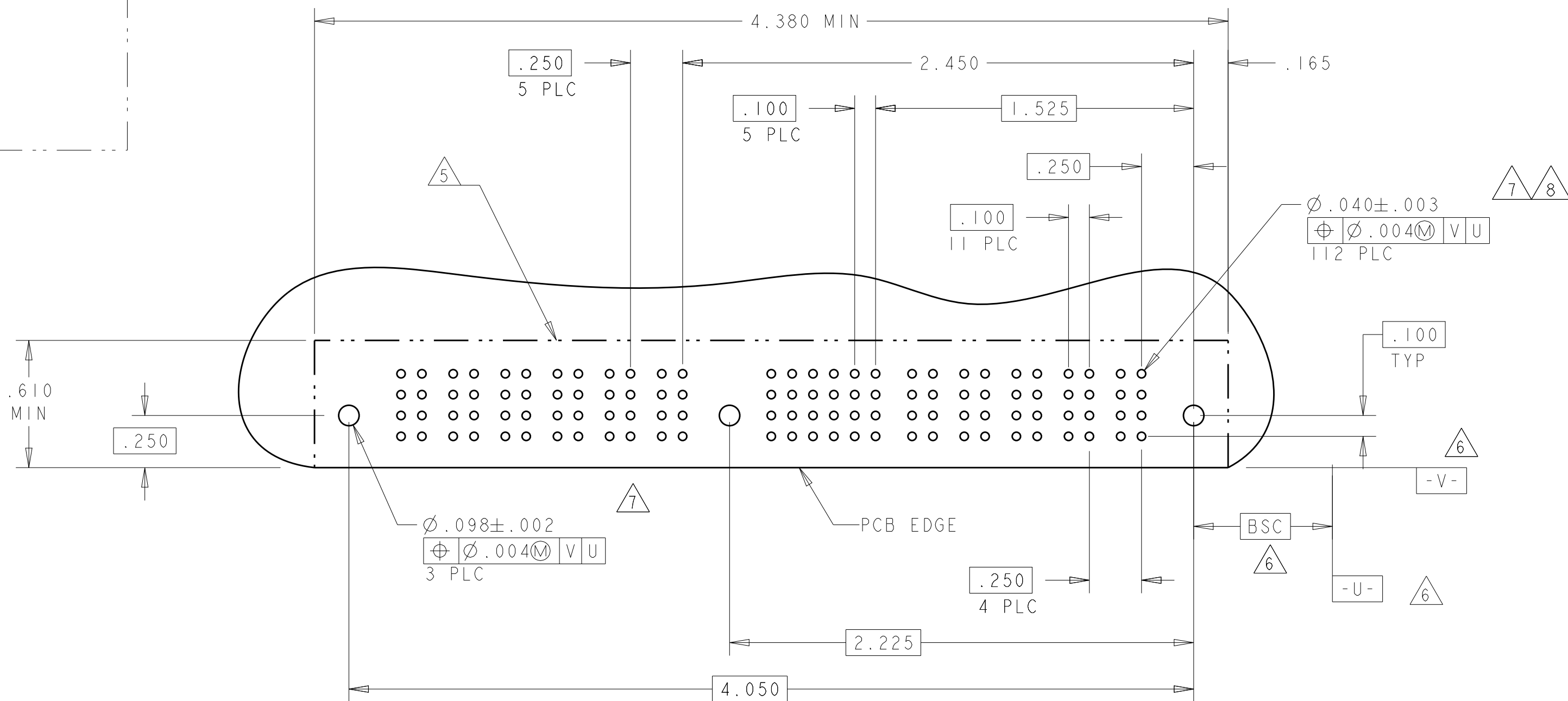
SHEET
2

OF
16

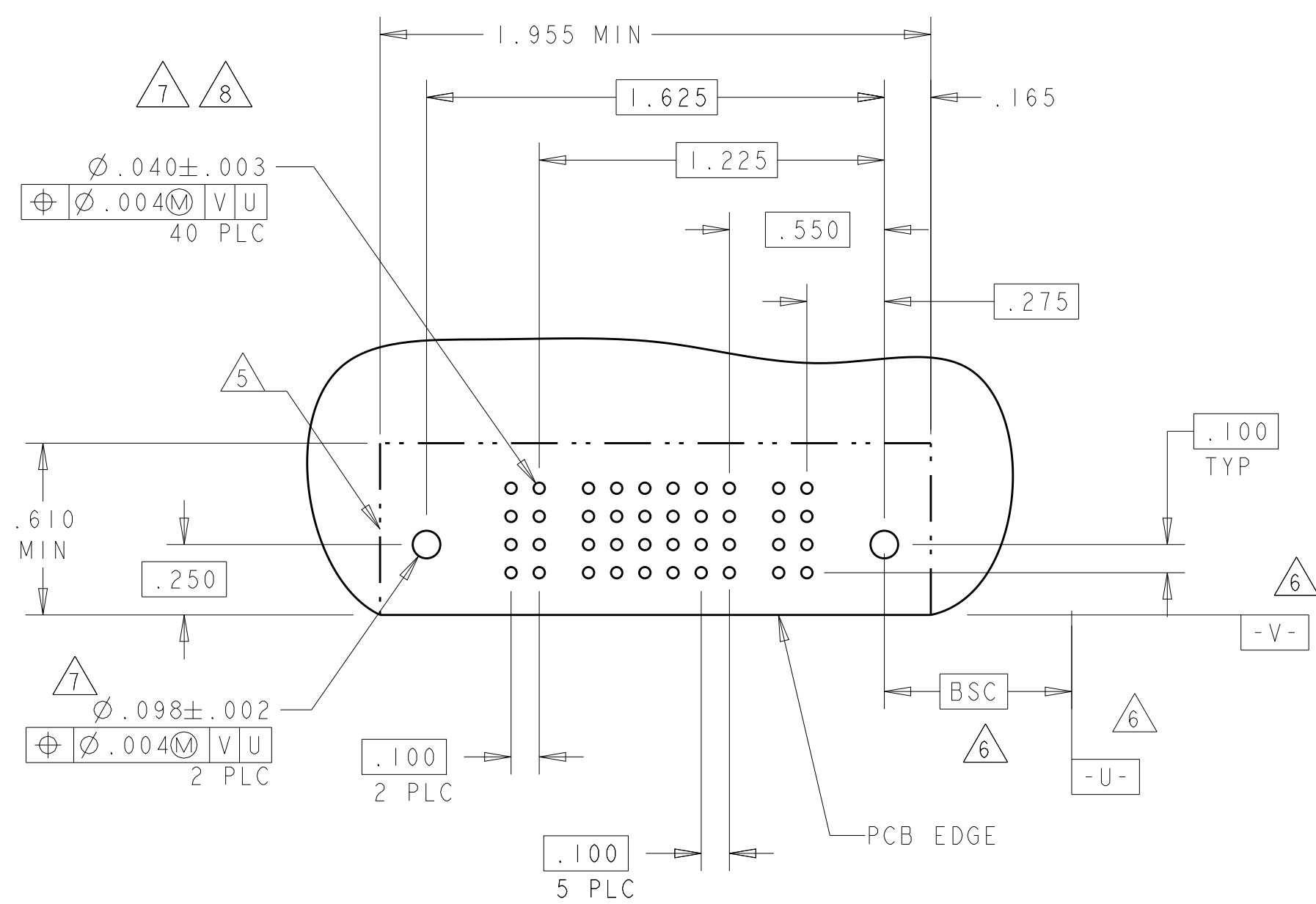
REV
G1

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	L	K	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		H	H	H	H	H	H	RA	RA	RA	RA	RA				
									G	G	G	G	G										
									F	F	F	F	F										
									E	E	E	E	E										
5P + 24S + 1M + 6P																							

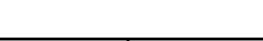


PART NUMBER	ROWS			POWER		SIGNAL								POWER																																												
				P2		6	5	4	3	2	1	P1																																														
6450160-3	D C B A			<table><tr><td rowspan="4">RA</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td><td>H</td>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

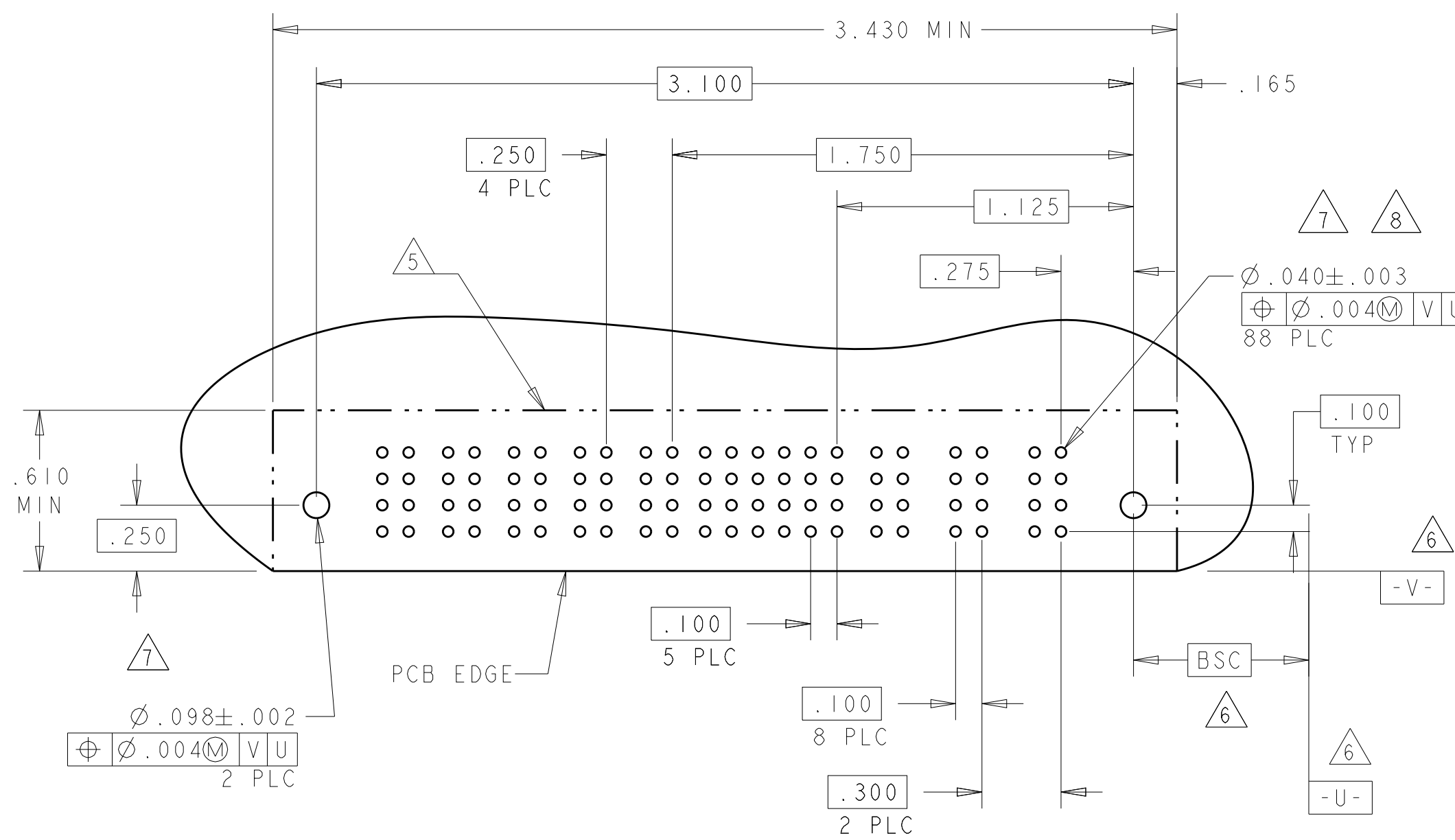


RN	.090	STD
RM	.135	STD
RA	.135	MFBL
RB	.090	MFBL
CODE	TAIL LENGTH	DESCRIPTION
POWER CONTACT		

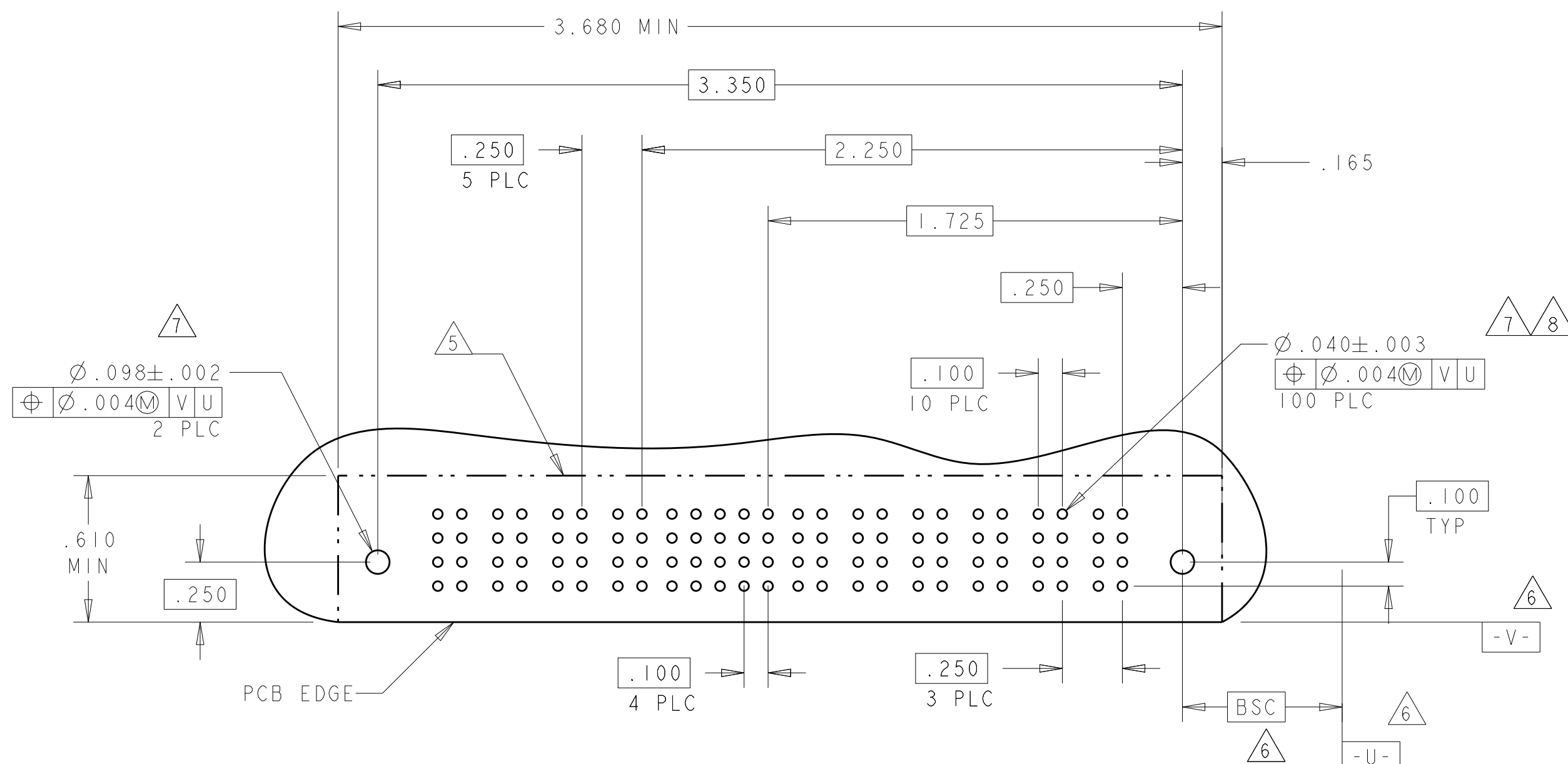
L	.090	D
K	.090	C
J	.090	B
I	.090	A
H	.135	D
G	.135	C
F	.135	B
E	.135	A
CODE	TAIL LENGTH	ROW
SIGNAL CONTACT		

THIS DRAWING IS A CONTROLLED DOCUMENT.						DWN Z GRZYBOWSKI		21FE005				TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:				CHG M PERCZERKE		21FE005		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL			
						APP'D M PERCZERKE		21FE005					
						PRODUCT SPEC		108-1973		SIZE CAGE CODE DRAWING NO. A100779C-6450160			
						APPLICATION SPEC							
						114-13038							
						WEIGHT		-					
MATERIAL	FINISH		Customer Drawing				SCALE 4:1		SHEET 3		OF 16		
			Restricted To								REV G		

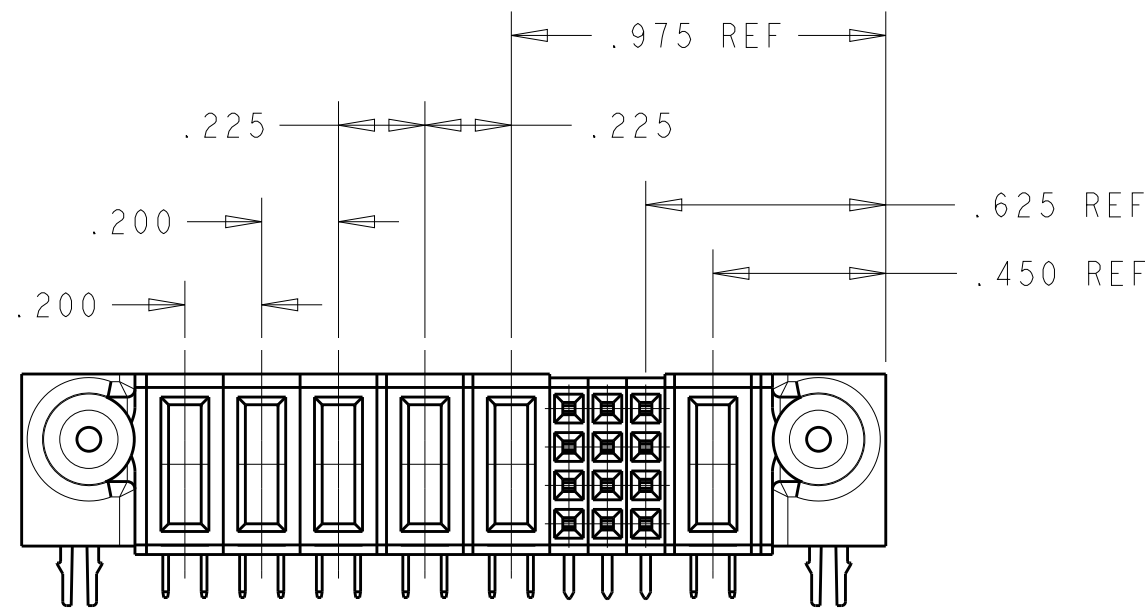
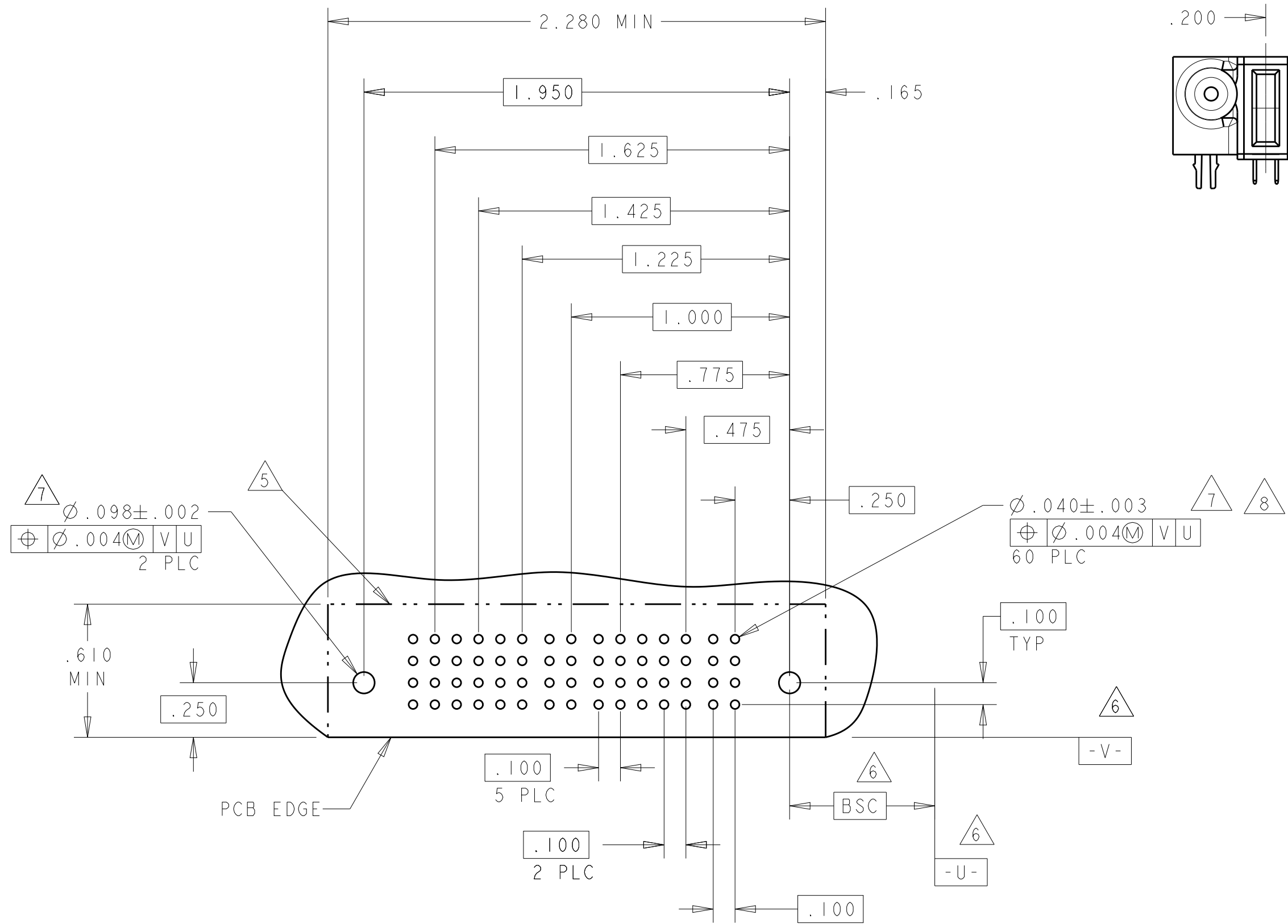
PART NUMBER	ROWS		POWER					SIGNAL					POWER			
			P8	P7	P6	P5	P4	6	5	4	3	2	1	P3	P2	
6450160-7	D C B A		RA	RA	RA	RA	RA	H G F E	H G F E	H G F E	H G F E		RA	RA	RA	
3ACP + 24S + 5P																



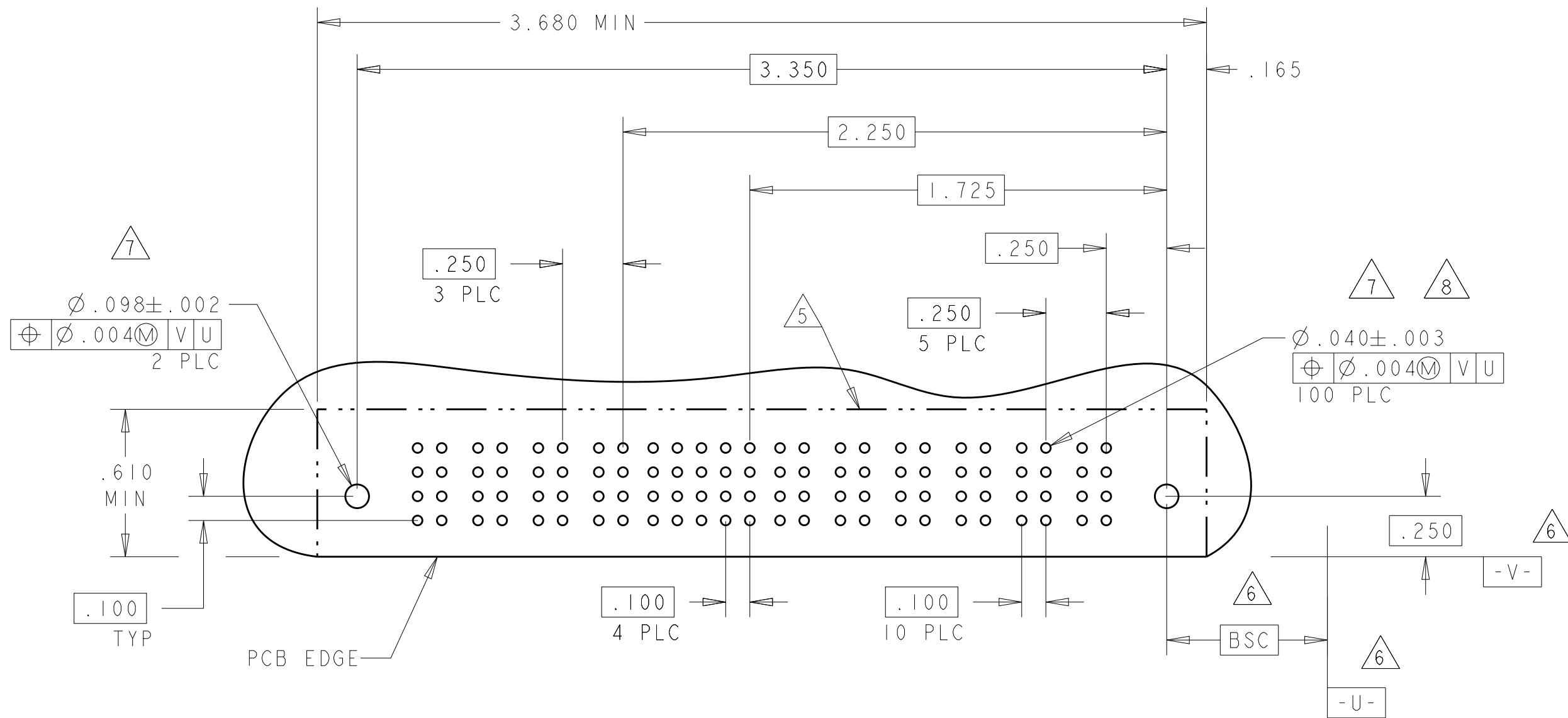
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			P10	P9	P8	P7	5	4	3	2	1	P6	P5	P4	P3	P2		P1		
6450160-9	D C B A		RA	RA	RA	RA	G	H	H	H	H	G	RA	RA	RA	RA	RA	RA		
6P + 20S + 4P																				

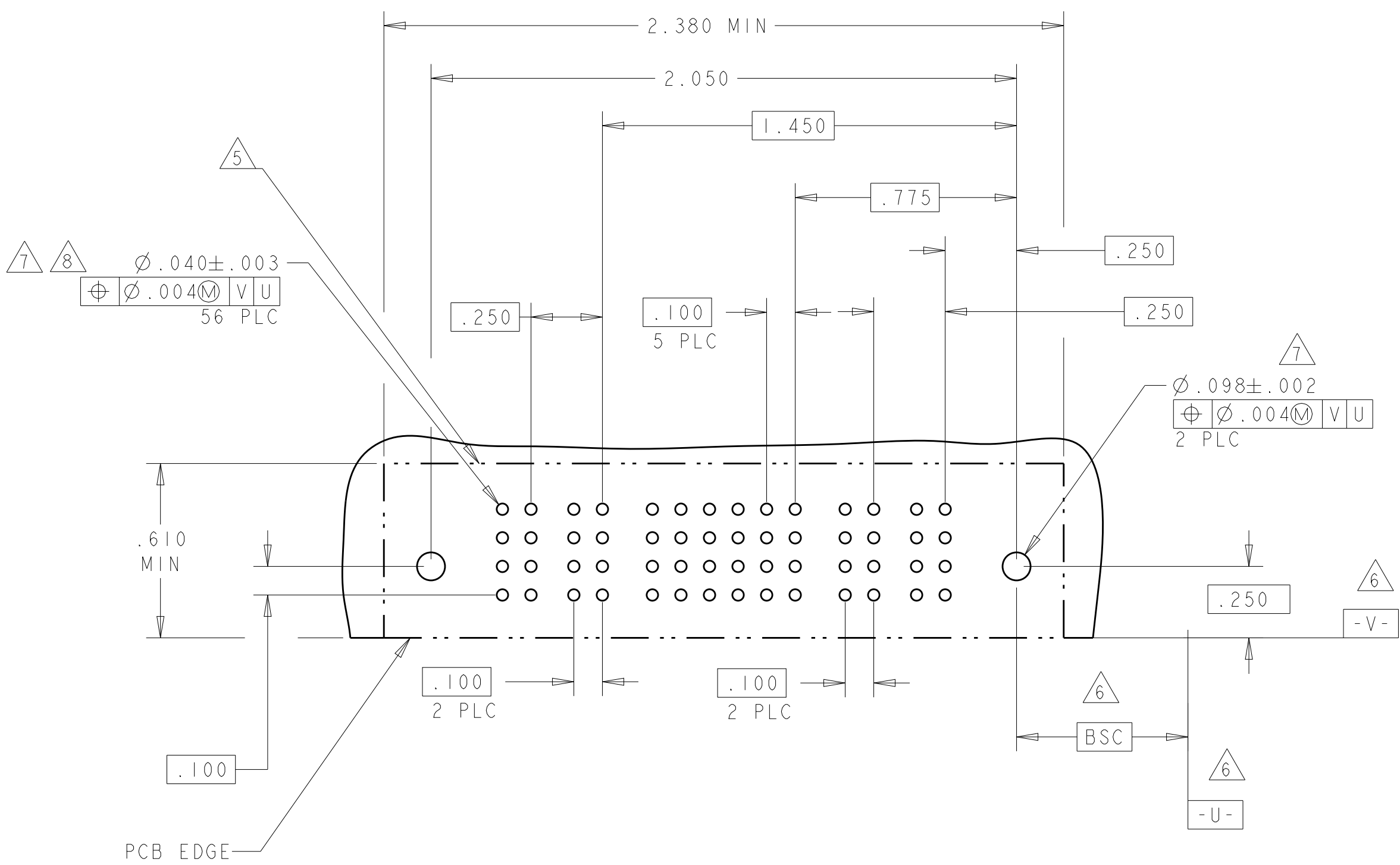
4805 (3/11)

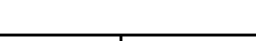
PART NUMBER	ROWS		POWER					SIGNAL				POWER	
			P6	P5	P4	P3	P2	3	2	1	P1		
1-6450160-1	D C B A	RA RA RA RA RA	H H H G G G F F F E E E				RA	HD					
1P + 12S + 5P			HD						HD				

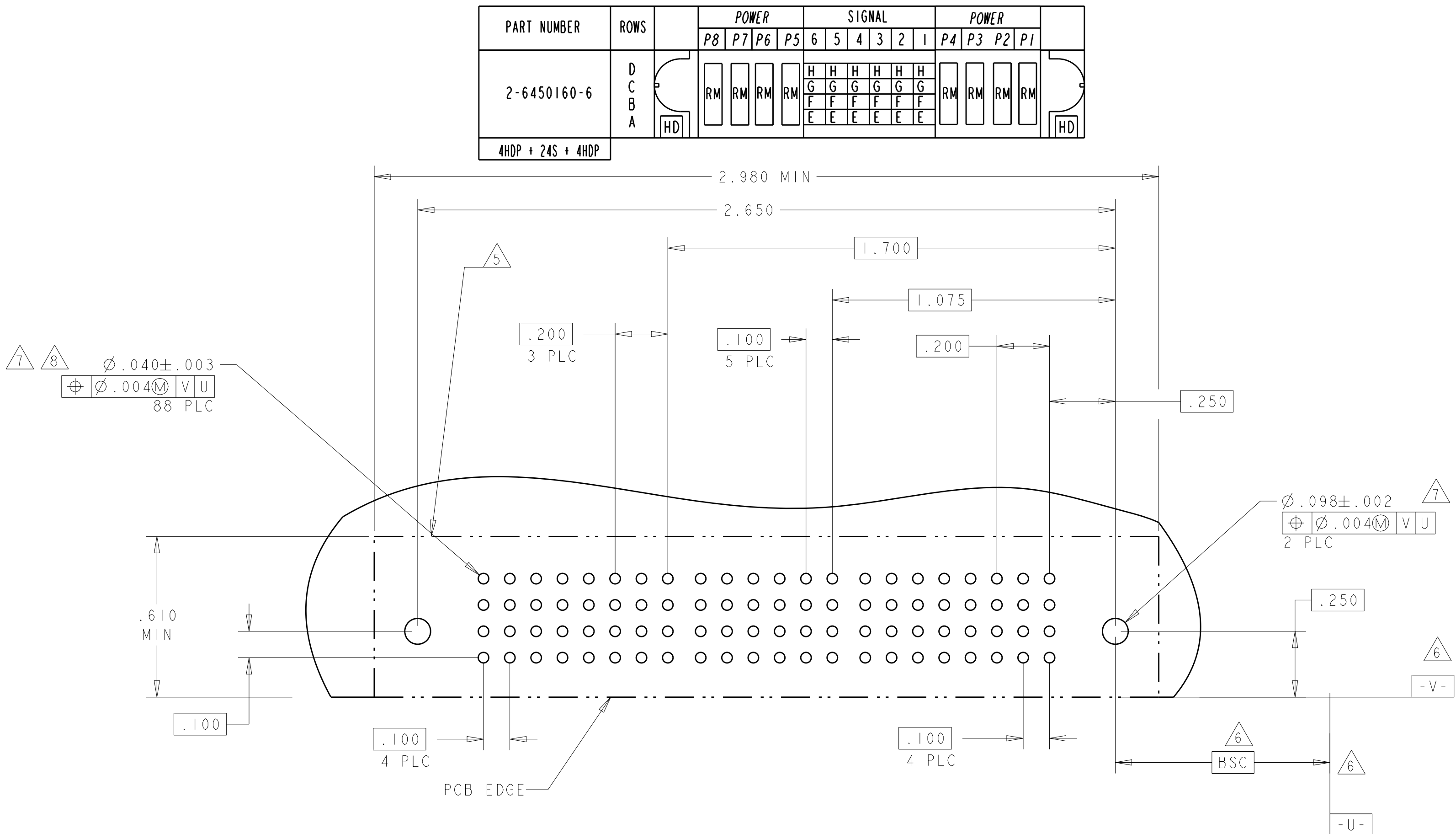


PART NUMBER	ROWS	POWER				SIGNAL				POWER								
		P10	P9	P8	P7	5	4	3	2	1	P6	P5	P4	P3	P2	P1		
1-6450160-9	D C B A		RA	RA	RA	RA	H	H	H	H	H	RA	RA	RA	RA	RA		
			G	G	G	G	G	G	RA	RA	RA	RA	RA					
			F	F	F	F	F	F	RA	RA	RA	RA	RA					
			E	E	E	E	E	E	RA	RA	RA	RA	RA					
6P + 20S + 4P			HD				HD											

4805 (3/11)

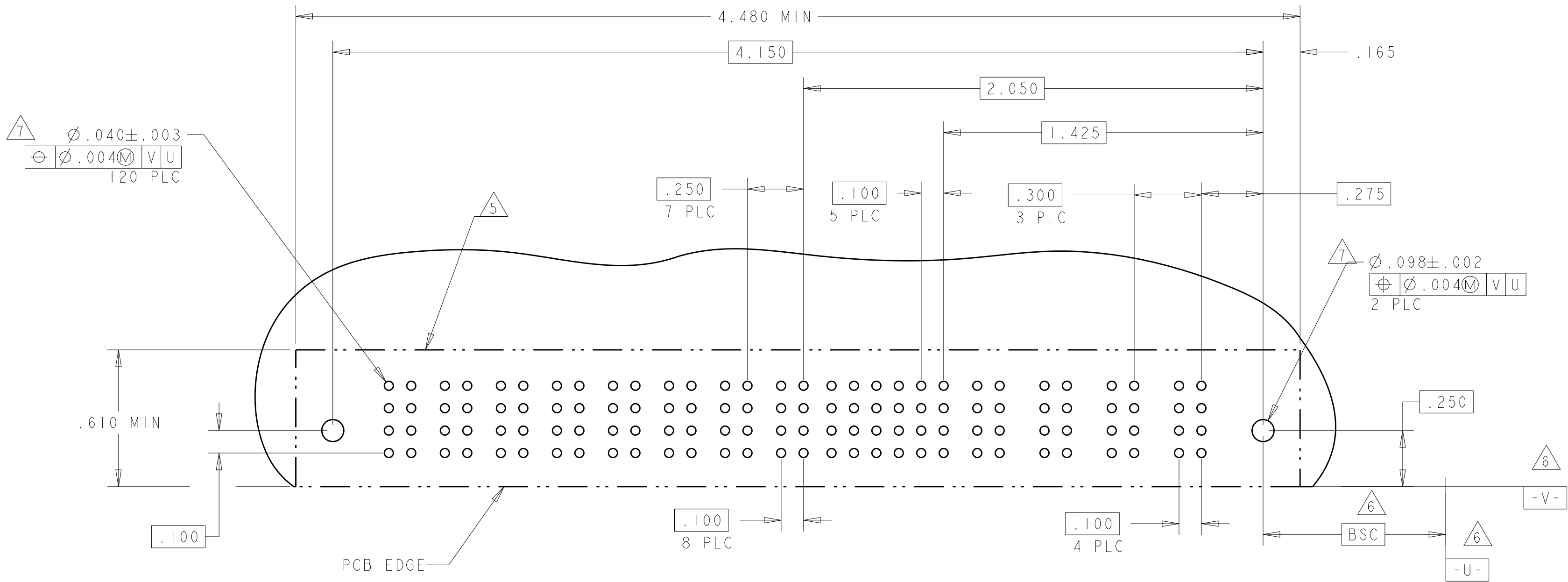
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THIS DRAWING IS A CONTROLLED DOCUMENT.		DWA R. GRZYBOWSKI		21FE0B05		 TE Connectivity	
		CMP M. PERCHERKE		21FE0B05			
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.005 4 PLC ±.002 ANGLES 90° FINISH 45°		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038			
		RESTRICTED TO		-			
MATERIAL		Customer Drawing		SCALE 4:1		SHEET 6 OF 16 REV G	

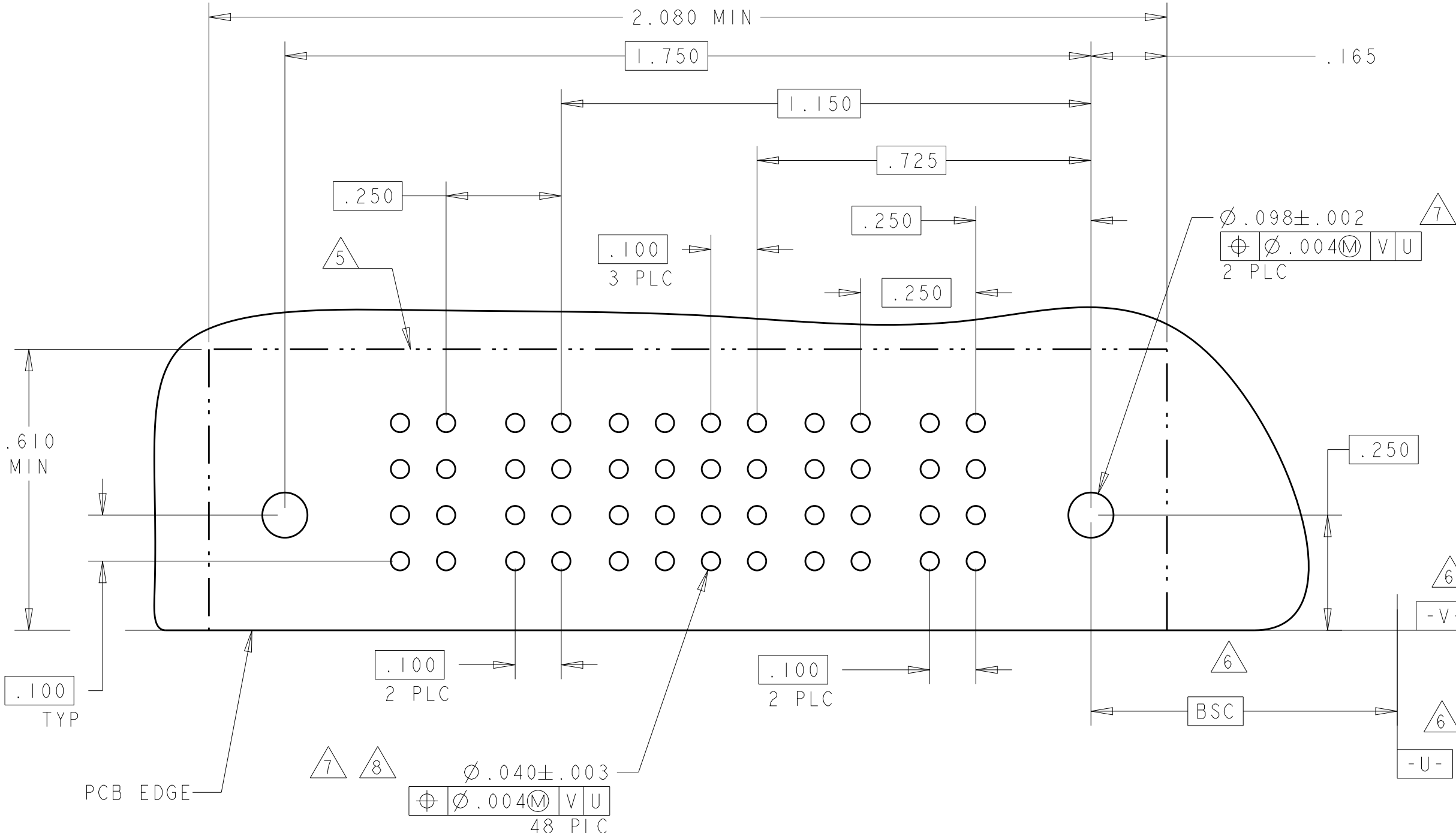


LOC		DIST		REVISONS			
GP		00		P	LTR	DESCRIPTION	DATE
				-		SEE SHEET 1	-

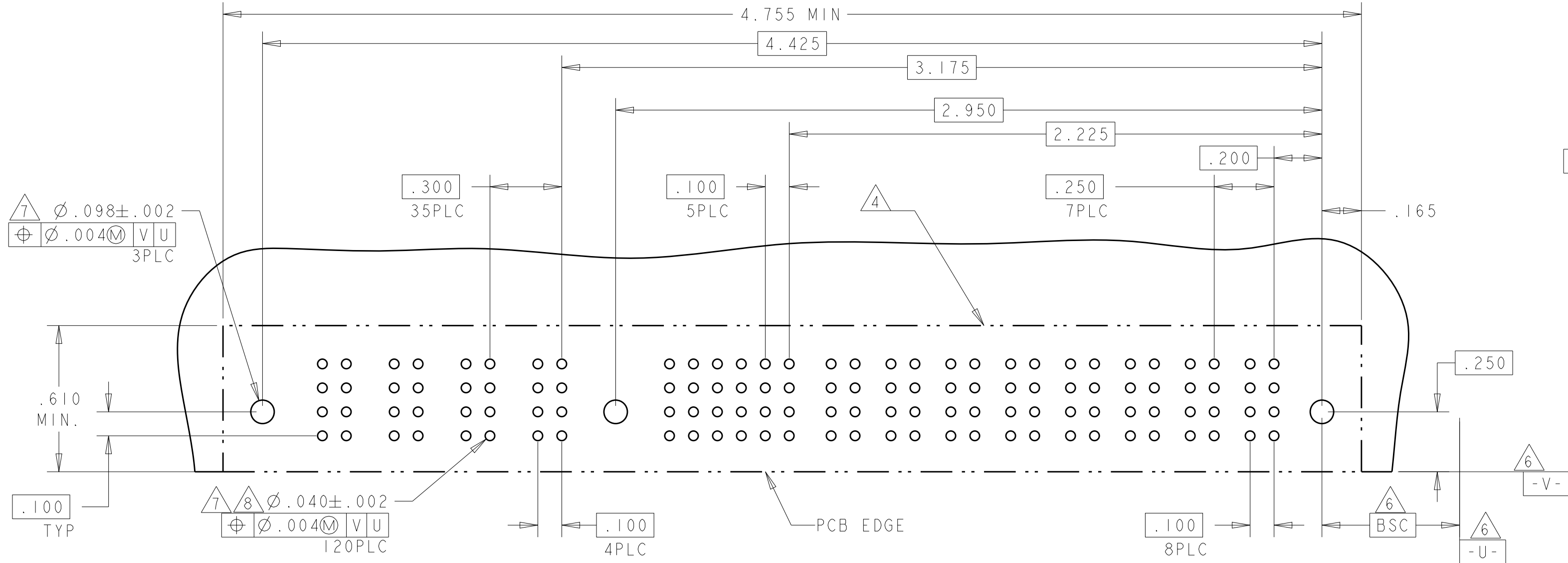
PART NUMBER	ROWS		POWER								SIGNAL						POWER				
			P12	P11	P10	P9	P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
2-6450160-9	D C B A									H	H	H	H	H	H						
										G	G	G	G	G	G						
										F	F	F	F	F	F						
										E	E	E	E	E	E						
4ACP + 24S + 8P																					



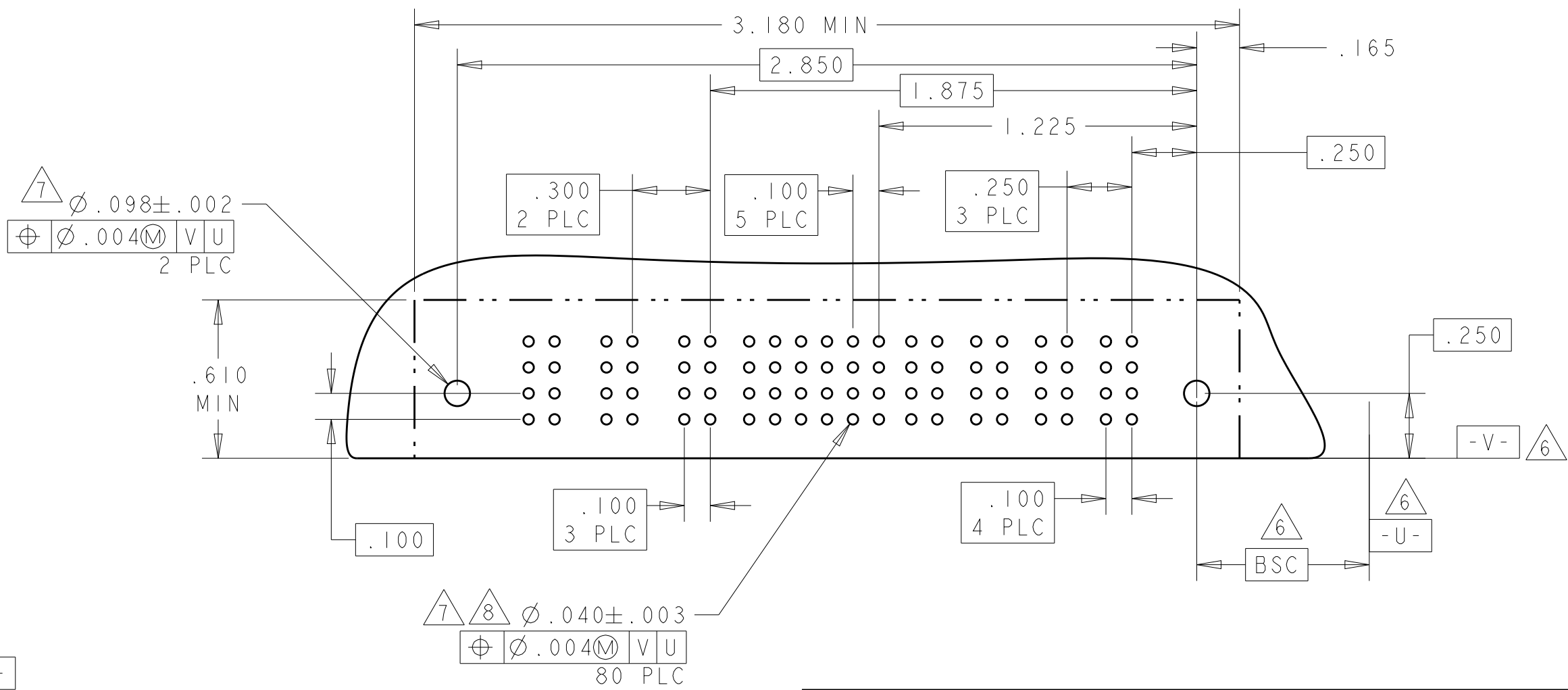
PART NUMBER	ROWS		POWER		SIGNAL				POWER					
			P4	P3	4	3	2	1	P2	P1				
3-6450160-1	D C B A		RM	RM	H	H	H	H	RM	RM				
					G	G	G	G						
					F	F	F	F						
					E	E	E	E						
2P + 16S + 2P														



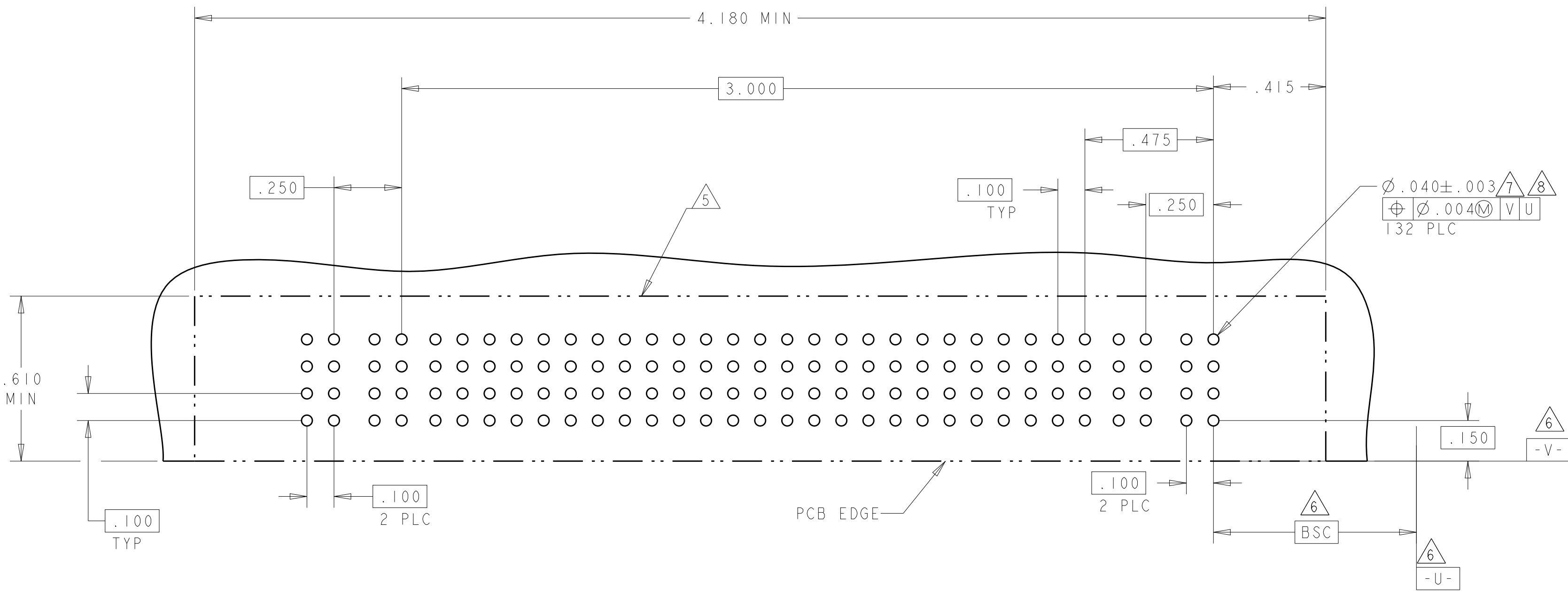
PART NUMBER	ROWS		POWER					SIGNAL						POWER								
			P12	P11	P10	P9		6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1	
3-6450160-0	D C B A								H	H	H	H	H	H								
									G	G	G	G	G	G								
									F	F	F	F	F	F								
									E	E	E	E	E	E								
8P + 24S + 1M + 4ACP																						



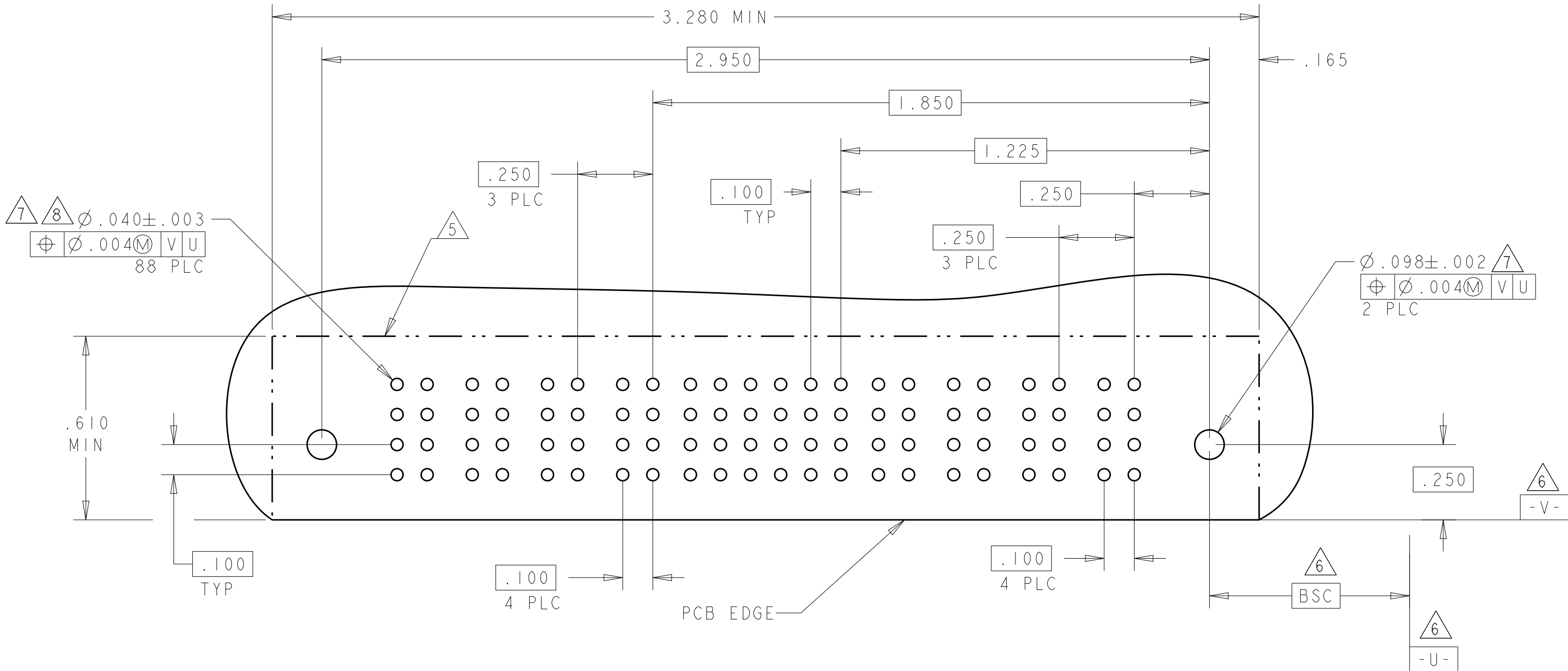
PART NUMBER	HOUSING P/N	ROWS		POWER			SIGNAL						POWER				
				P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
3-6450160-2	3-1450190-2	D C B A		RM	RM	RM	H	H	H	H	H	H	RM	RM	RM	RM	
							G	G	G	G	G	G					
							F	F	F	F	F	F					
							E	E	E	E	E	E					
4P + 24S + 3ACP																	

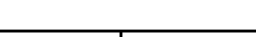


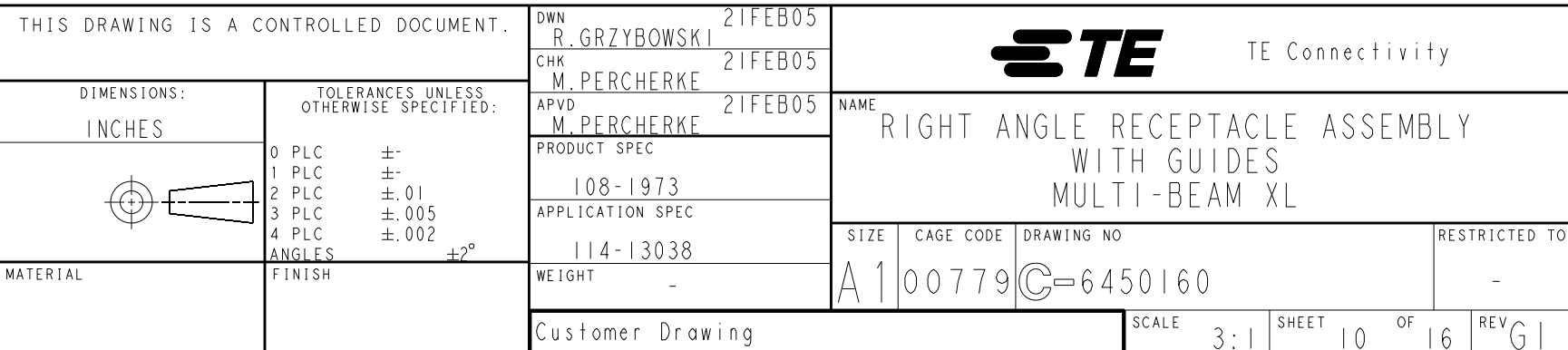
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. GRZYBOWSKI	21FEB05	TE Connectivity			
DIMENSIONS: INCHES		CHK M. PERCHERKE	21FEB05				
		APVD M. PERCHERKE	21FEB05	NAME			
		PRODUCT SPEC		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		SIZE		CAGE CODE	
0 PLC ±.01		108-1973		DRAWING NO		RESTRICTED TO	
1 PLC ±.01		114-13038		A100779		C=6450160	
2 PLC ±.01		WEIGHT		SCALE		SHEET	
3 PLC ±.005		Customer Drawing		3:1		7 OF 16	
4 PLC ±.002							
ANGLES ±.002							
FINISH							

4805 (3/11)

PART NUMBER	ROWS		POWER				SIGNAL					POWER				
			P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	
3-6450160-7	D C B A	HD	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				
4P + 24S + 4P																

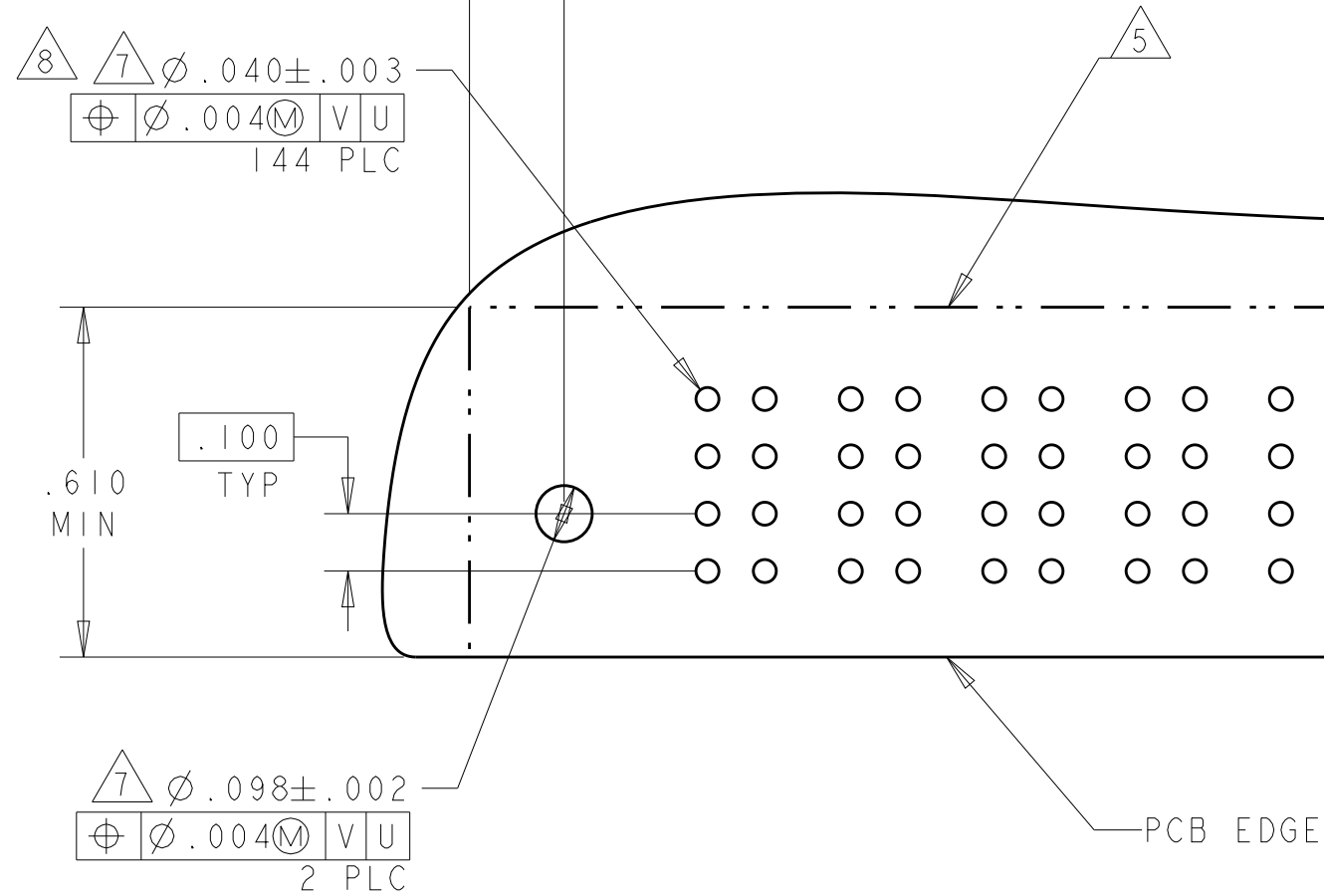
4805 (3/11)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWA R. GRZYBOWSKI		21FE0B05		 TE Connectivity	
		CMP M. PERCHERKE		21FE0B05			
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME		RIGHT ANGLE RECEPTACLE ASSEMBLY	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.005 4 PLC ±.002		PRODUCT SPEC 108-1973		MULTI GUIDES	
		ANGLES ±.02		APPLICATION SPEC 114-13038		MULTI-BEAM XL	
		FINISH		SIZE		CASE CODE	
		MATERIAL		WEIGHT		DRAWING NO	
				A100779		RESTRICTED TO	
				C-6450160		-	
		Customer Drawing		SCALE		REV G	
				3:1		SHEET 10 OF 16	



4805 (3/11)

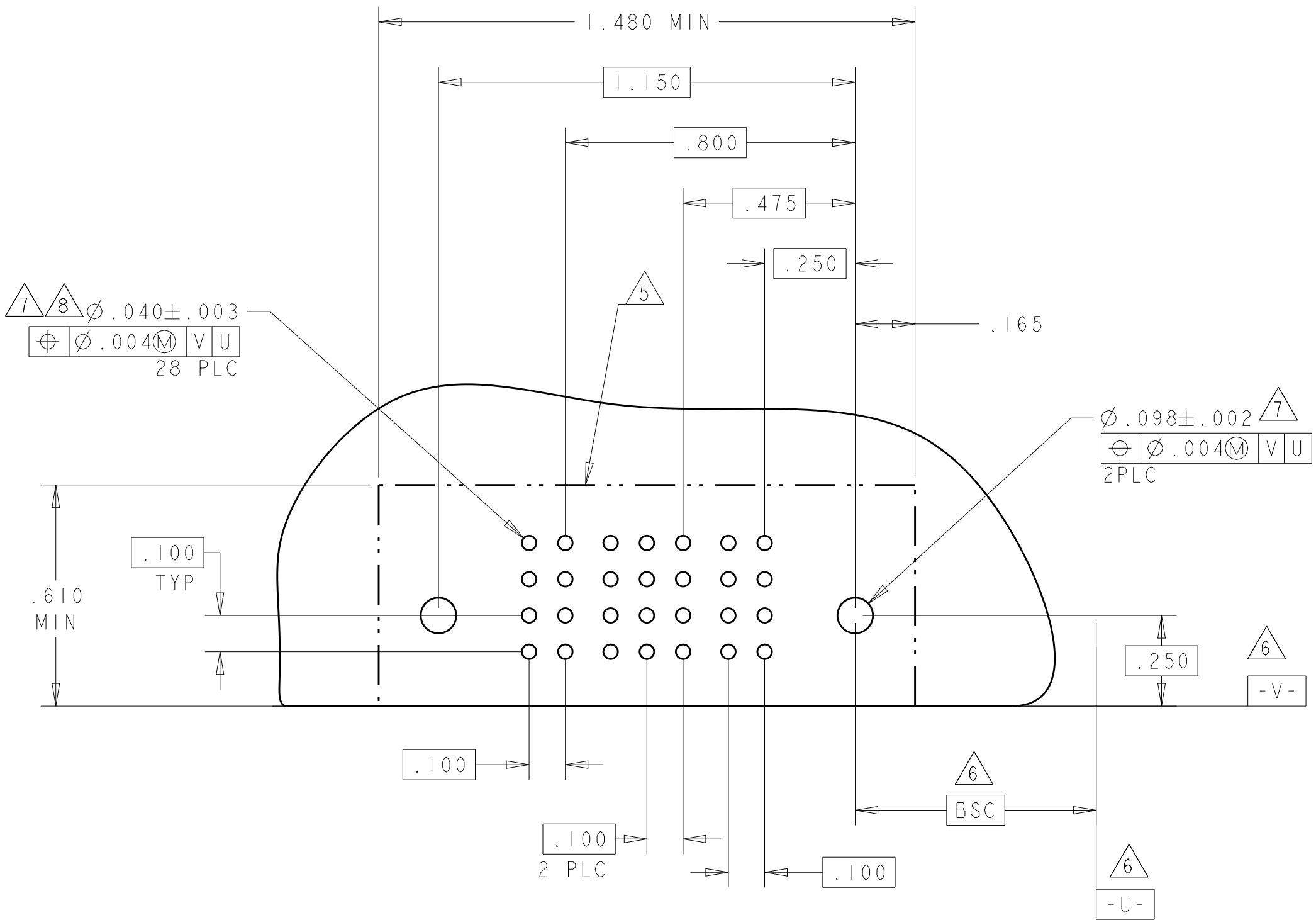
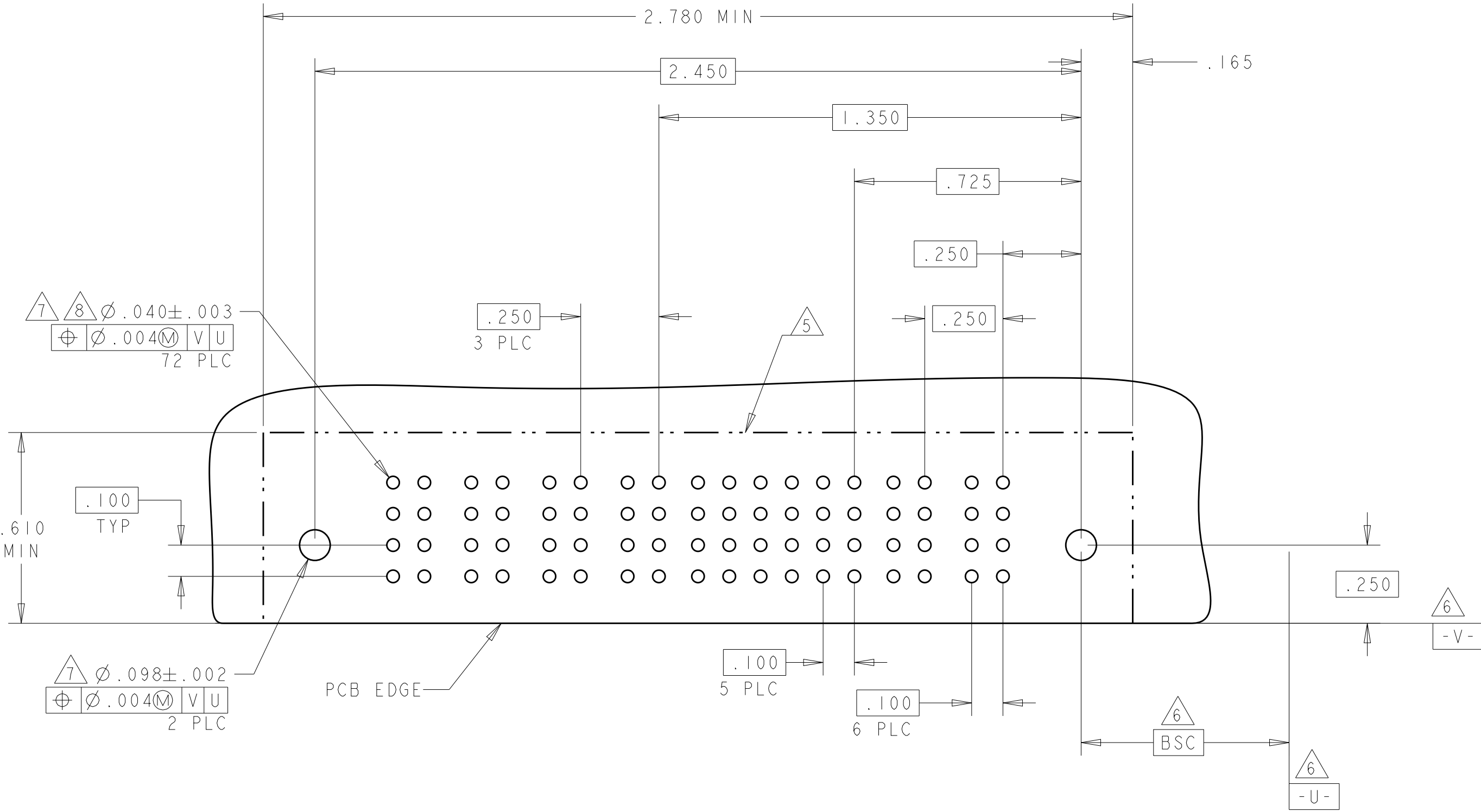
D5

4805 (3/11)

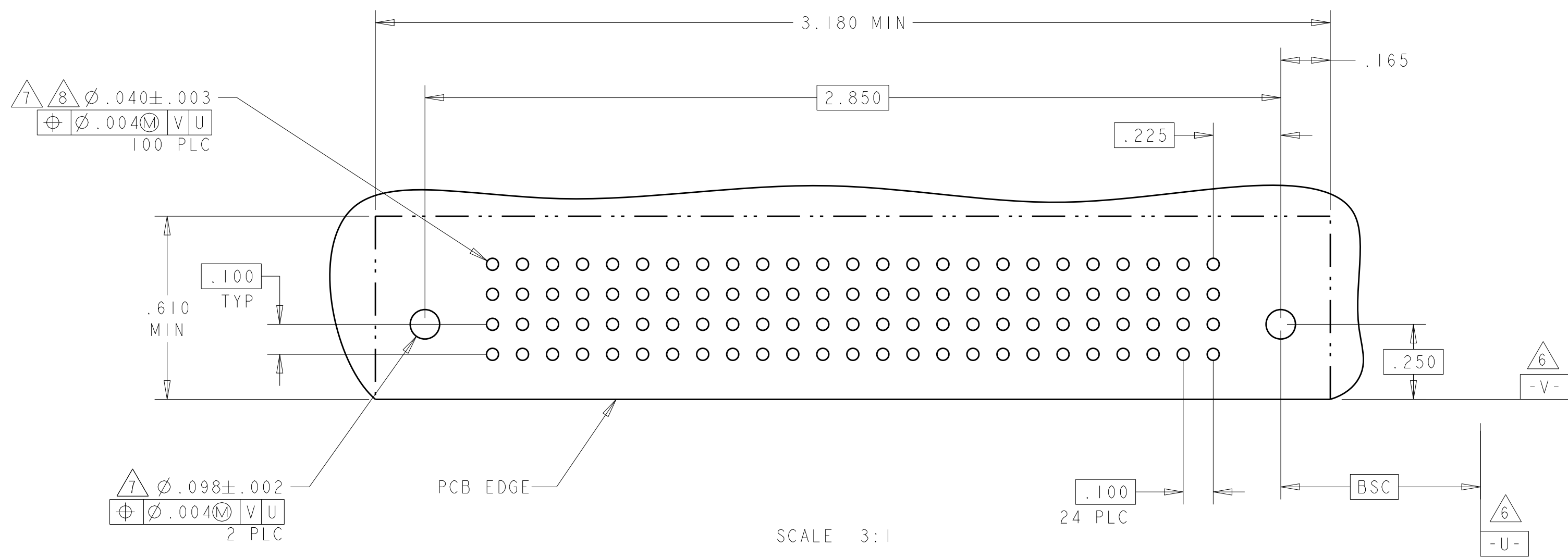
LOC		DIST		REVISONS				
GP		00		P	LTR	DESCRIPTION		DATE
						SEE SHEET 1		

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															

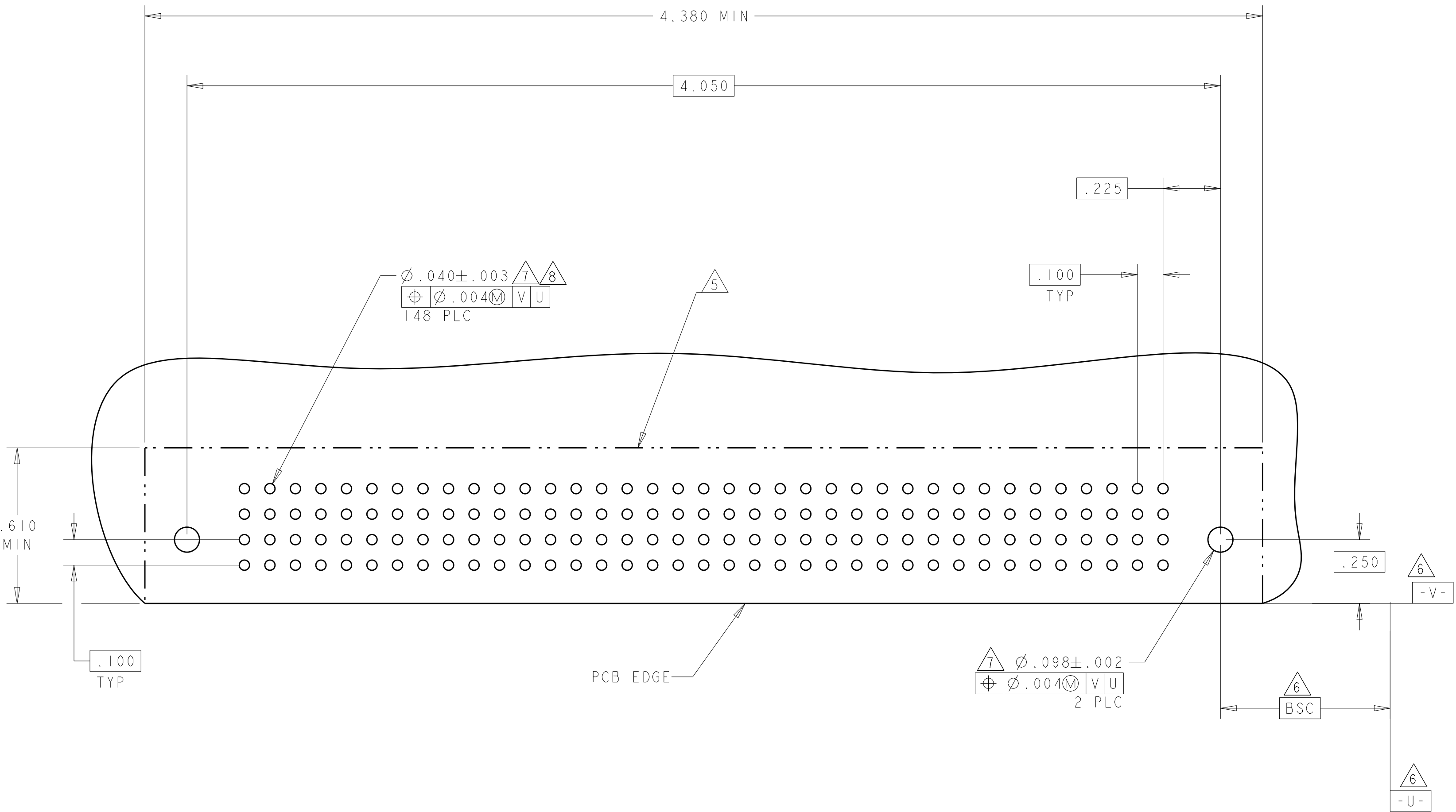
PART NUMBER	ROWS		POWER		SIGNAL			POWER		
			P2	3	2	1	P1			
4-6450160-1	D			H	H	H				
	G			G	G					
	F			F	F					
	A									
1P + 12S + 1P										



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		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		
	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																												



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN. GRZYBOWSKI 21FEB05 CHK. M. PERCHERKE 21FEB05 APP. M. PERCHERKE 21FEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		Ø PLC ±. PLC ±. PLC ±.01 PLC ±.005 PLC ±.002 ANGLES ±°		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO A100779C6450160	RESTRICTED TO -
Customer Drawing		Weight: -		SCALE 3:1 SHEET 14 OF 16 REV G	

[illegible]4805 (3/11)

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-	-	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							
				G		G	G														
				F		F			F		F	F			F	F					
				E		E	E	E	E	E	E	E	E	E	E	E					
5P + 44S + 1P																					