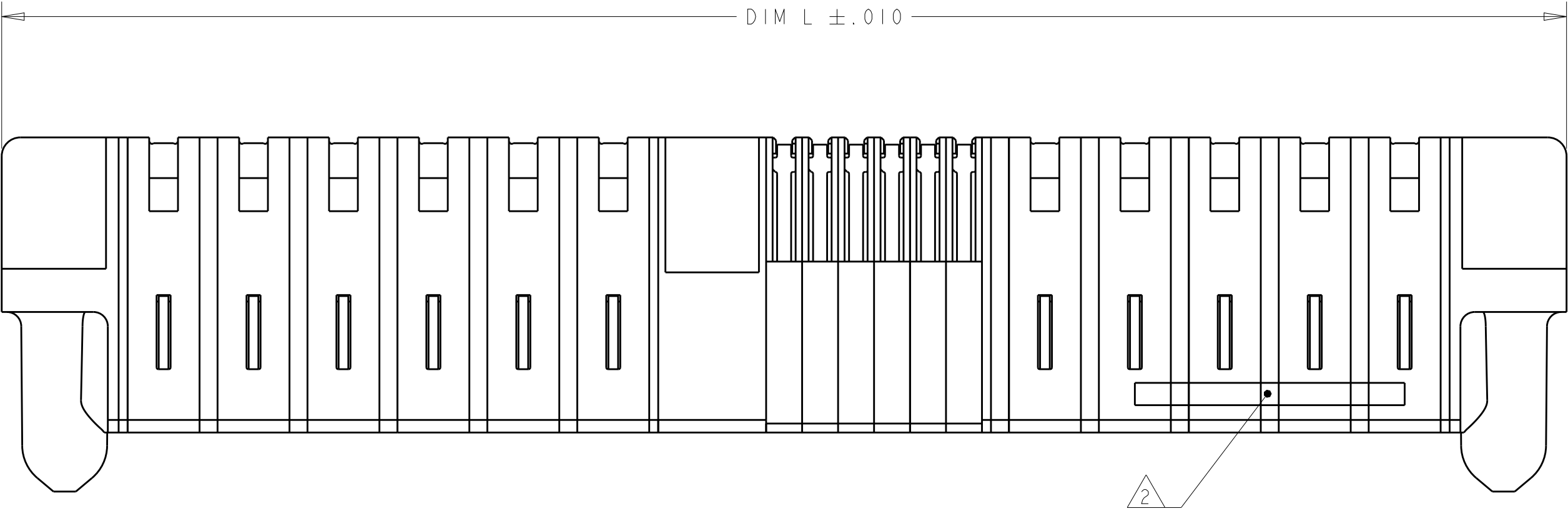
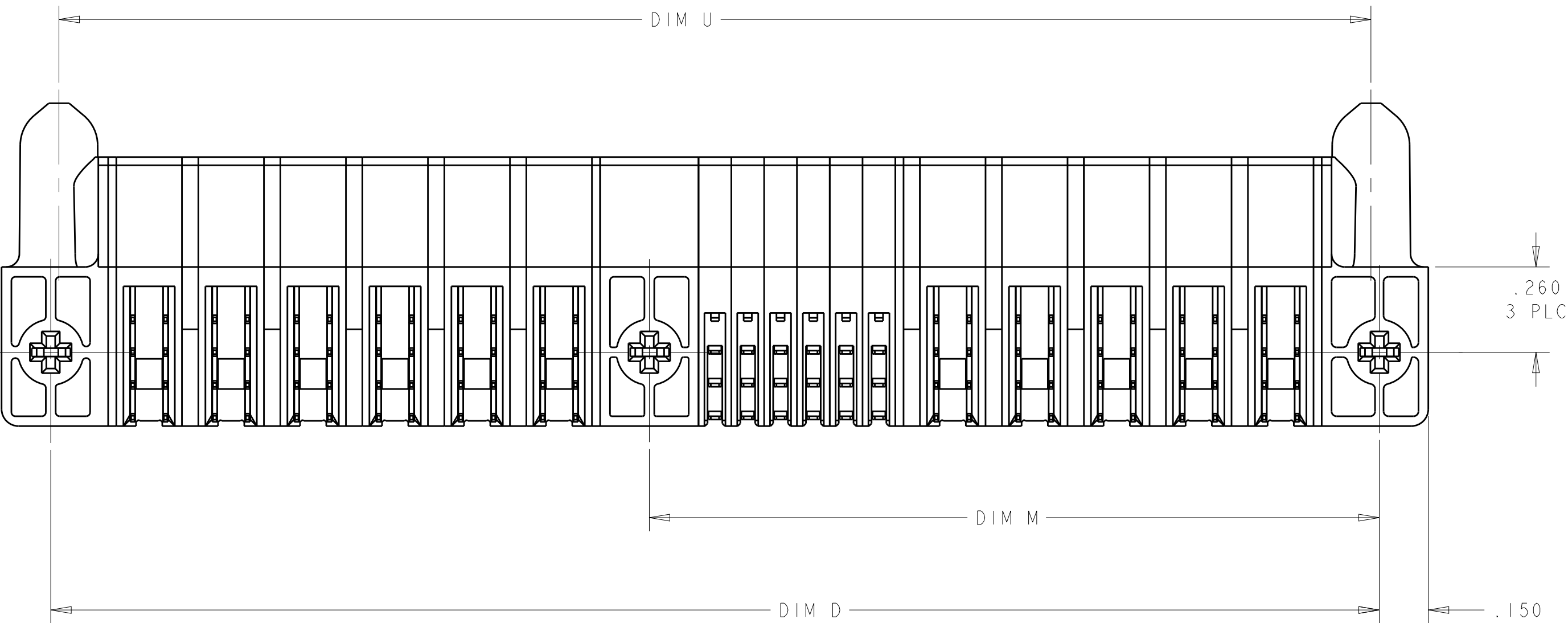
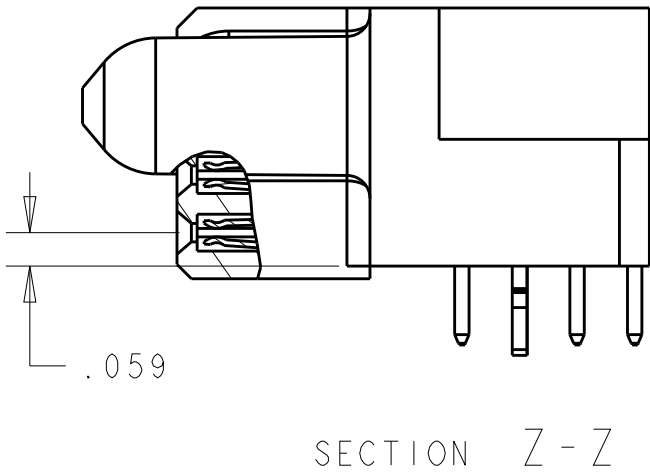
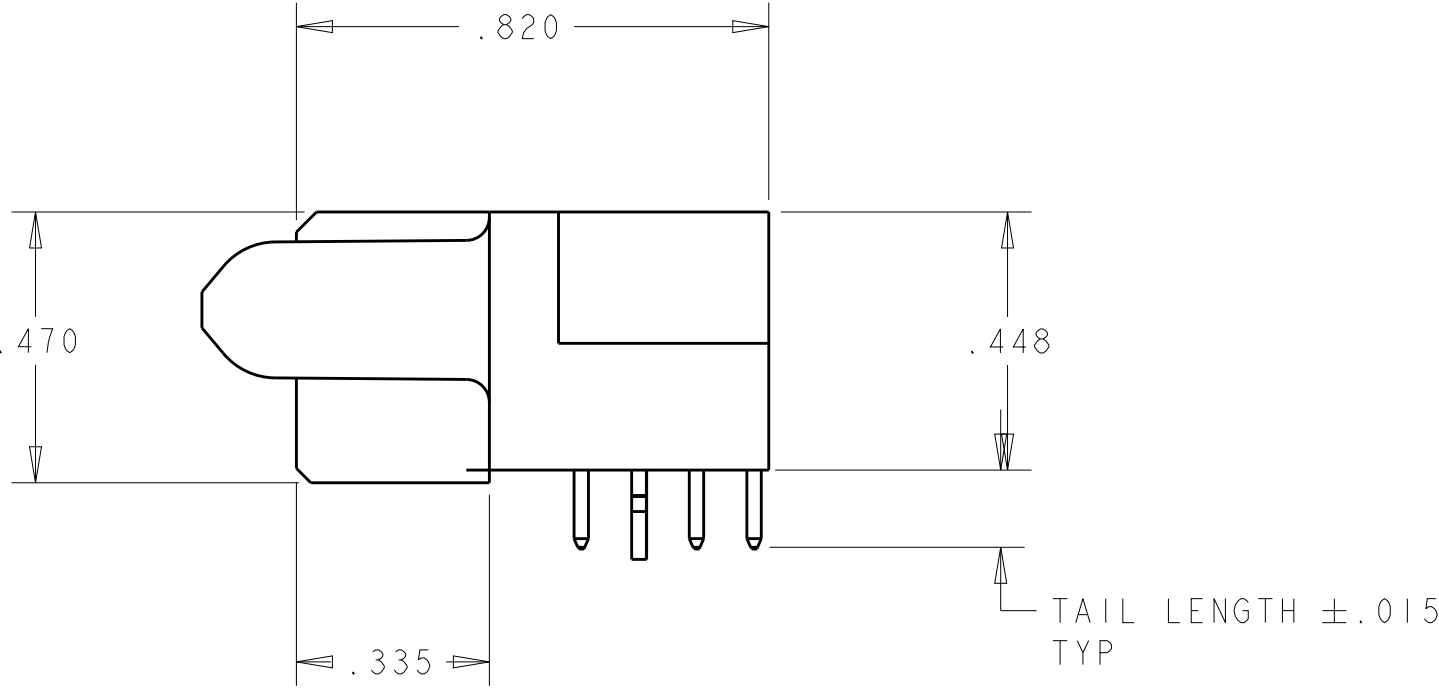
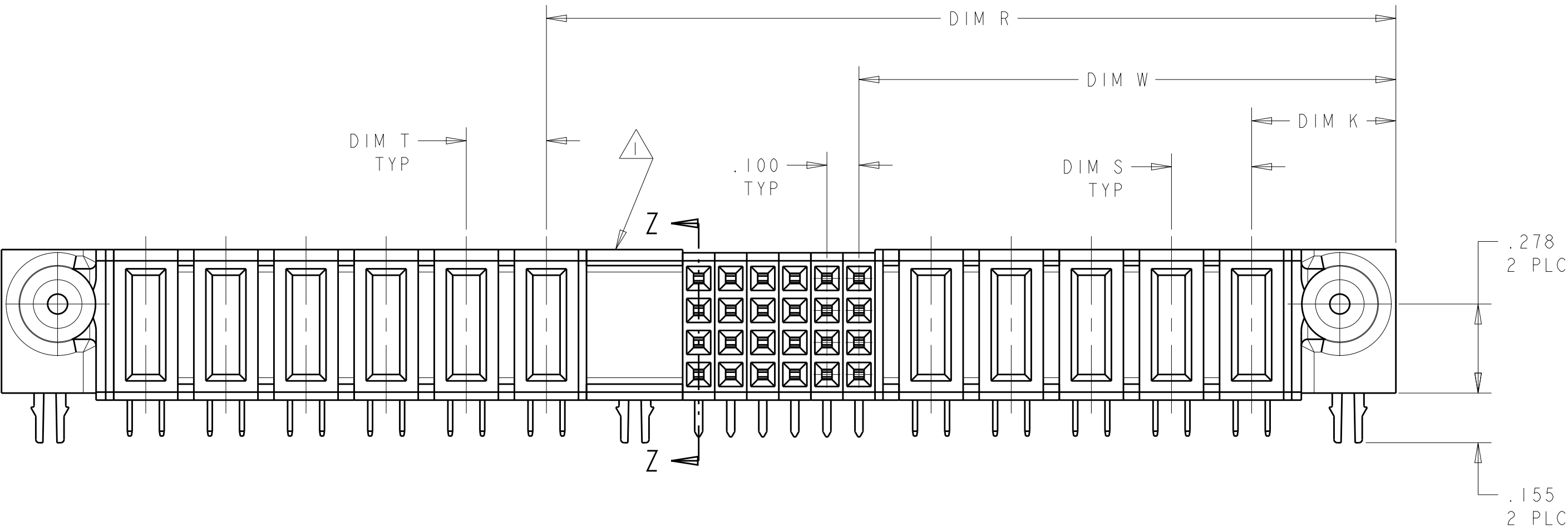


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		G	REV PER ECO-15-000526	19JAN2015	LAW	CZ



- 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		Customer Drawing	SCALE 3:1	
FINISH			SHEET 1 OF 16	
3			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

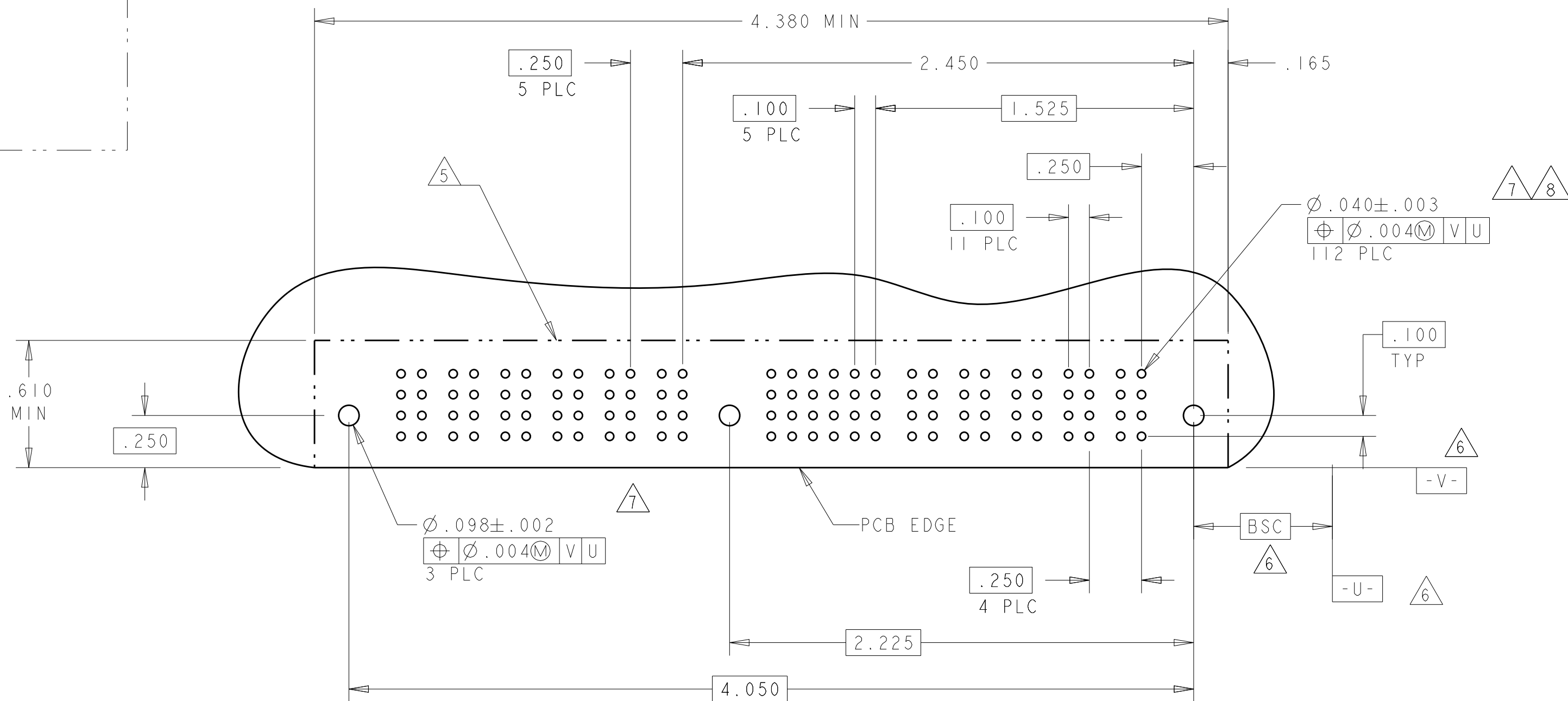
OF
16

REV
G1

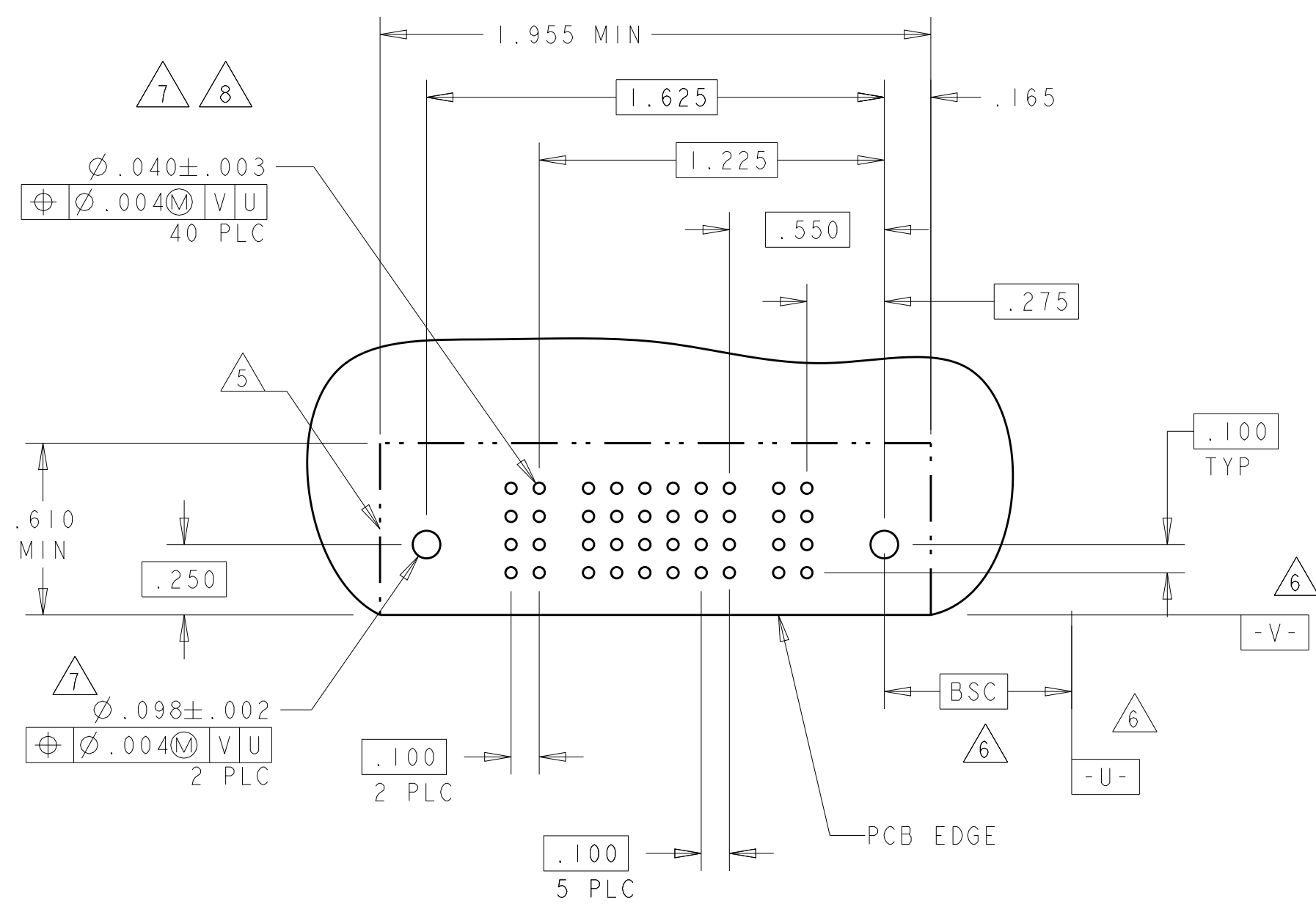
TE Connectivity

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

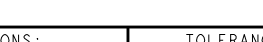
PART NUMBER	ROWS		POWER						M1	SIGNAL							POWER					
			P11	P10	P9	P8	P7	P6		6	5	4	3	2	1	P5	P4	P3	P2	P1		
6450160-5	DCBA		RA	RA	RA	RA	RA		H	H	H	H	H	H	RA	RA	RA	RA	RA			
								HD	E E E E E E E												HD	
5P + 24S + 1M + 6P																						



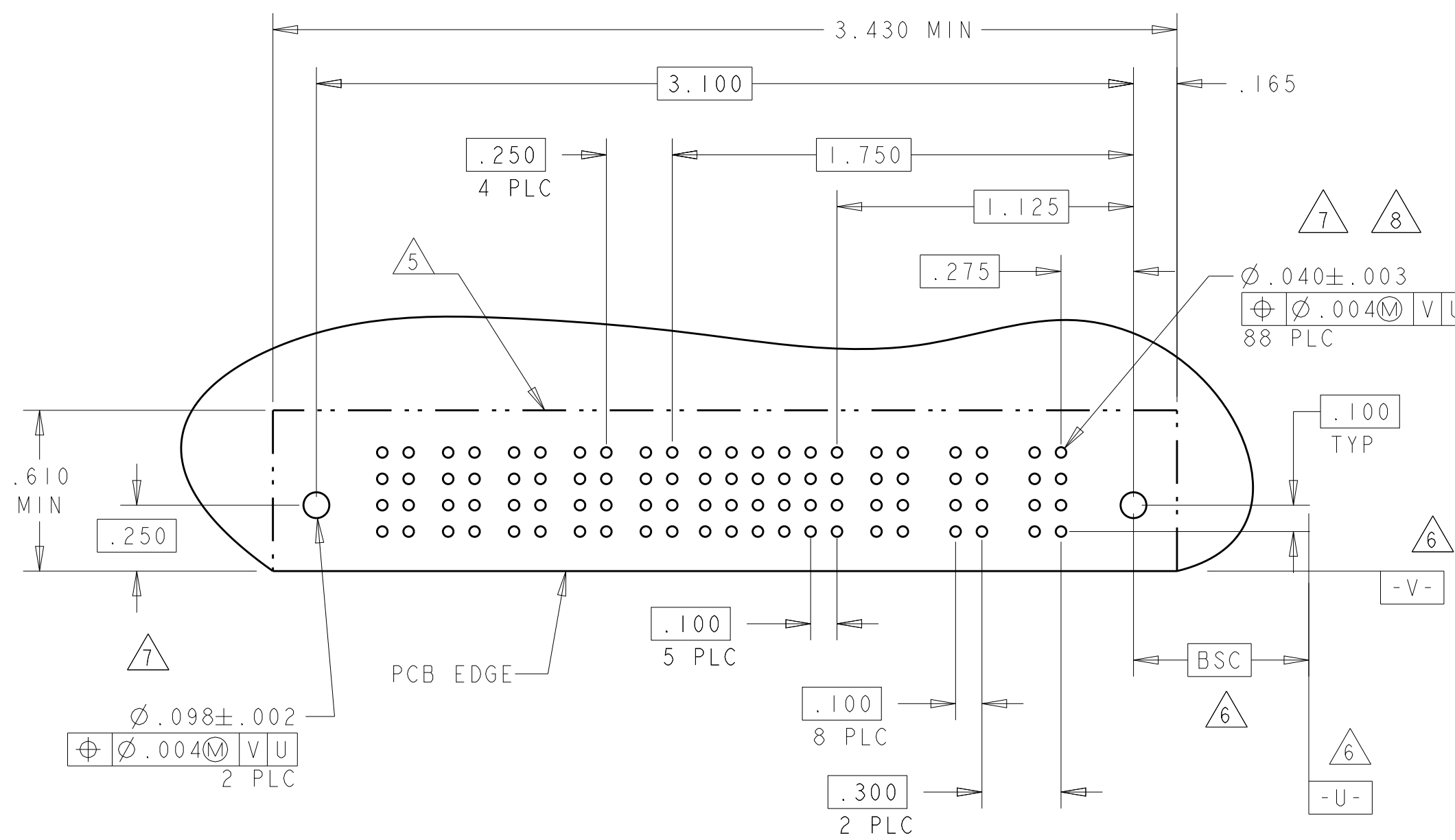
PART NUMBER	ROWS			POWER								SIGNAL								POWER	
				P2	6	5	4	3	2	1	P1										
6450160-3	DCBA																				
IP + 24S + IP																					



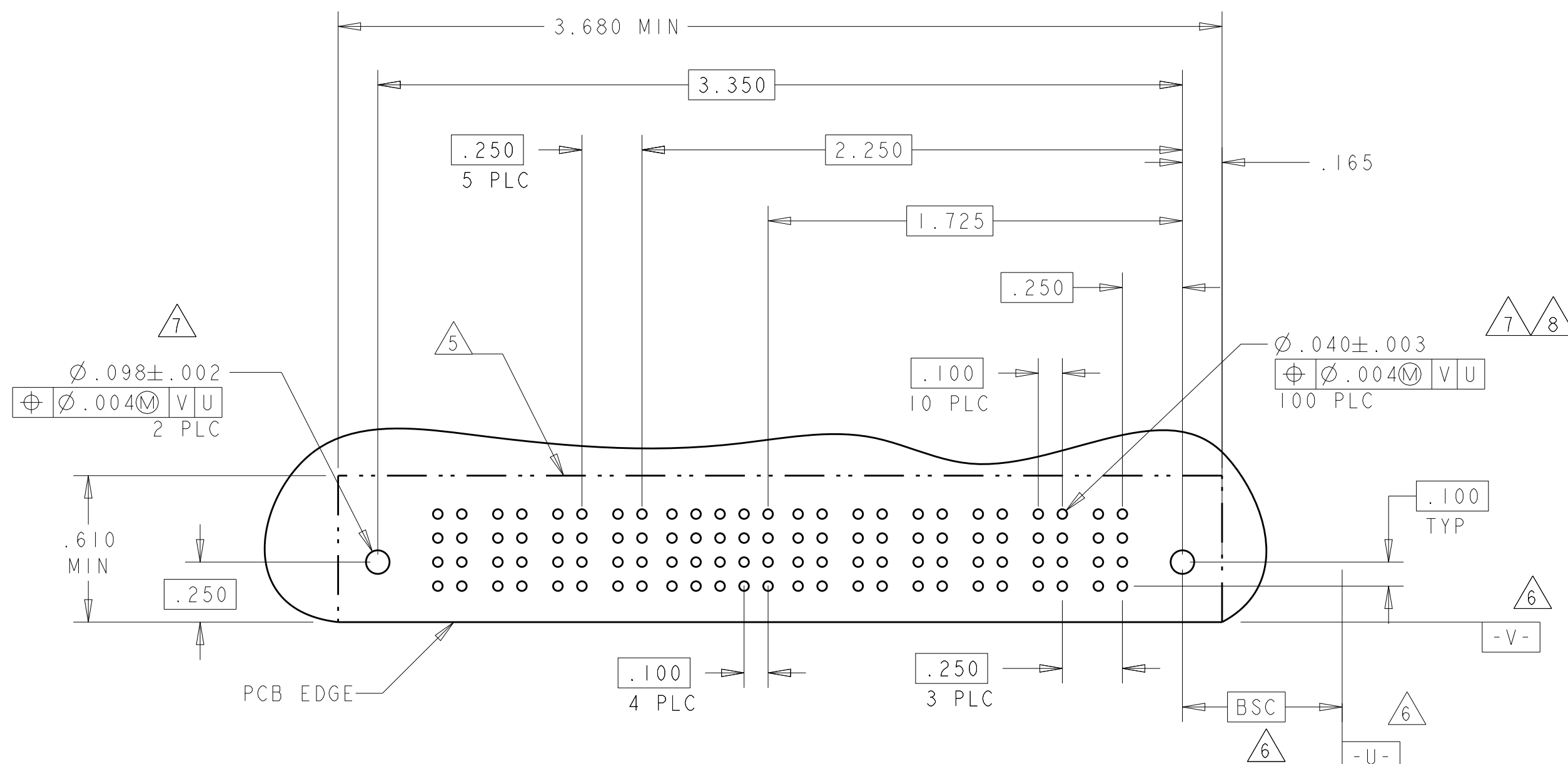
L	.090	D
K	.090	C
J	.090	B
I	.090	A
H	.135	D
G	.135	C
F	.135	B
E	.135	A
CODE	TAIL LENGTH	ROW
SIGNAL CONTACT		

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

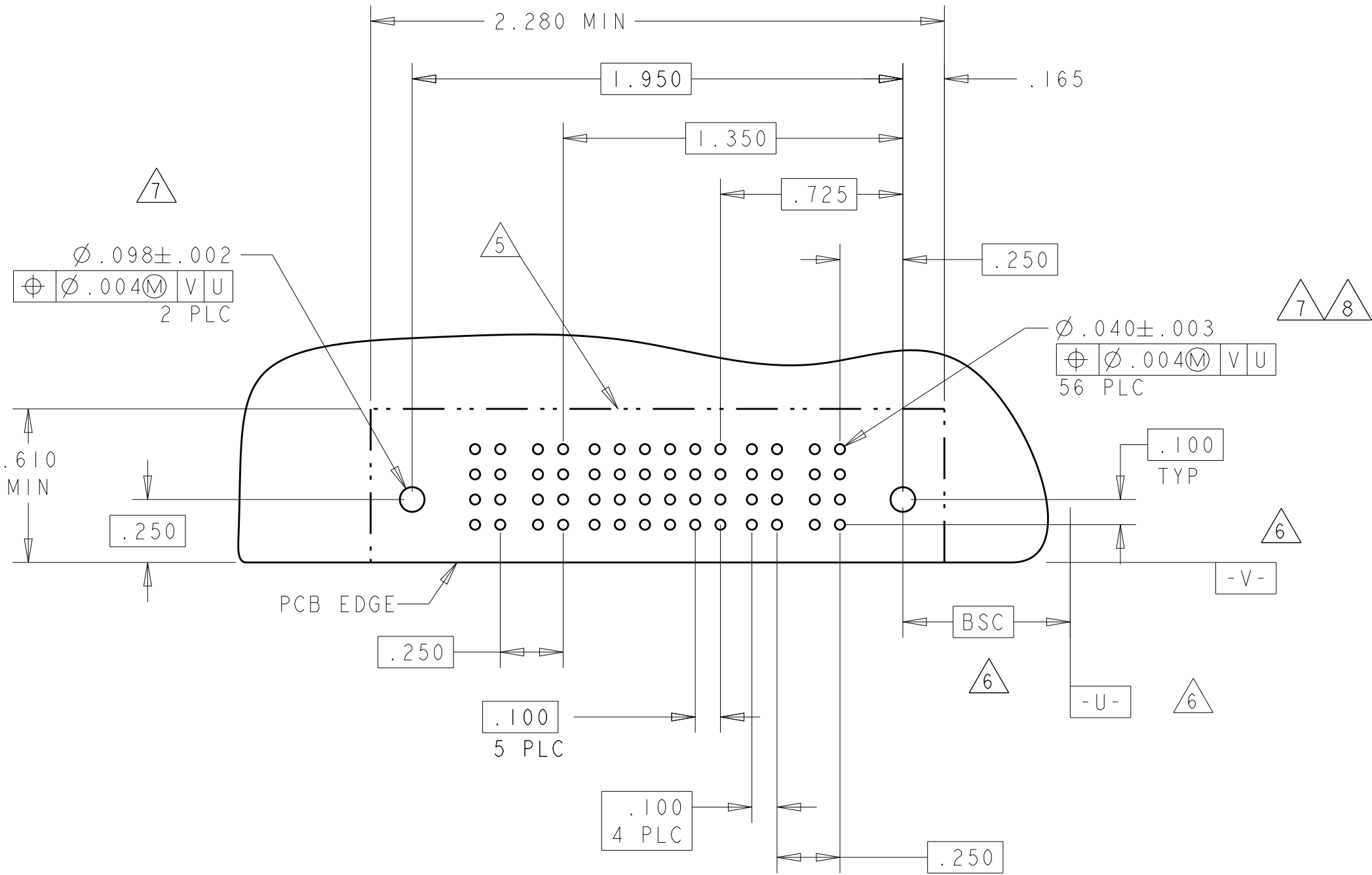
PART NUMBER	ROWS		POWER					SIGNAL					POWER			
			P8	P7	P6	P5	P4	6	5	4	3	2	1	P3	P2	
6450160-7	D C B A		RA	RA	RA	RA	RA	H	H	H	H	H	RA	RA	RA	
								G	G	G	G	G				
								F	F	F	F	F				
								E	E	E	E	E				
3ACP + 24S + 5P																



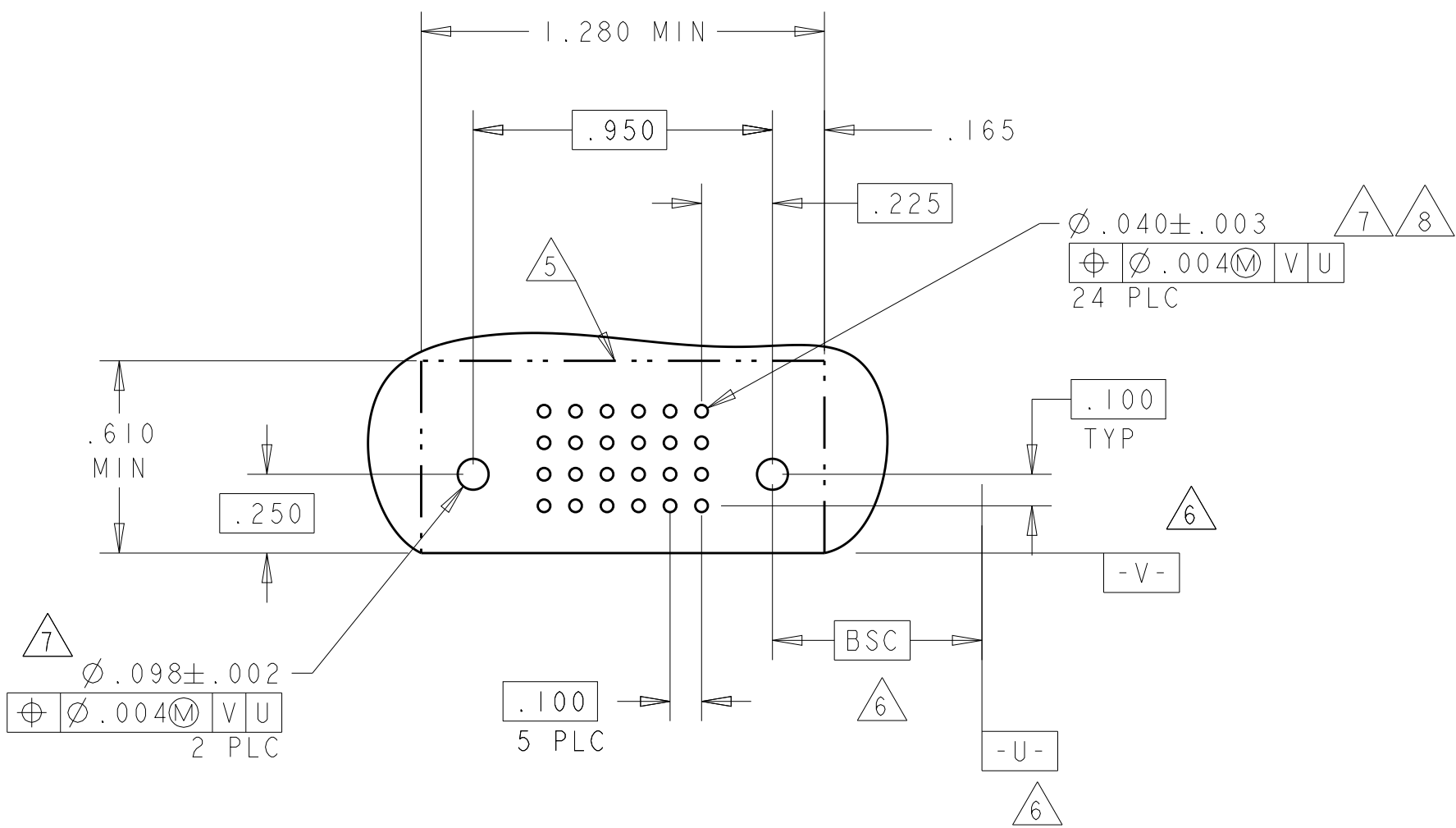
PART NUMBER	ROWS		POWER				SIGNAL				POWER									
			P10	P9	P8	P7	5	4	3	2	1	P6	P5	P4	P3	P2		P1		
6450160-9	D C B A		RA	RA	RA	RA	G	H	H	H	H	G	RA	RA	RA	RA	RA	RA		
6P + 20S + 4P																				

4805 (3/11)

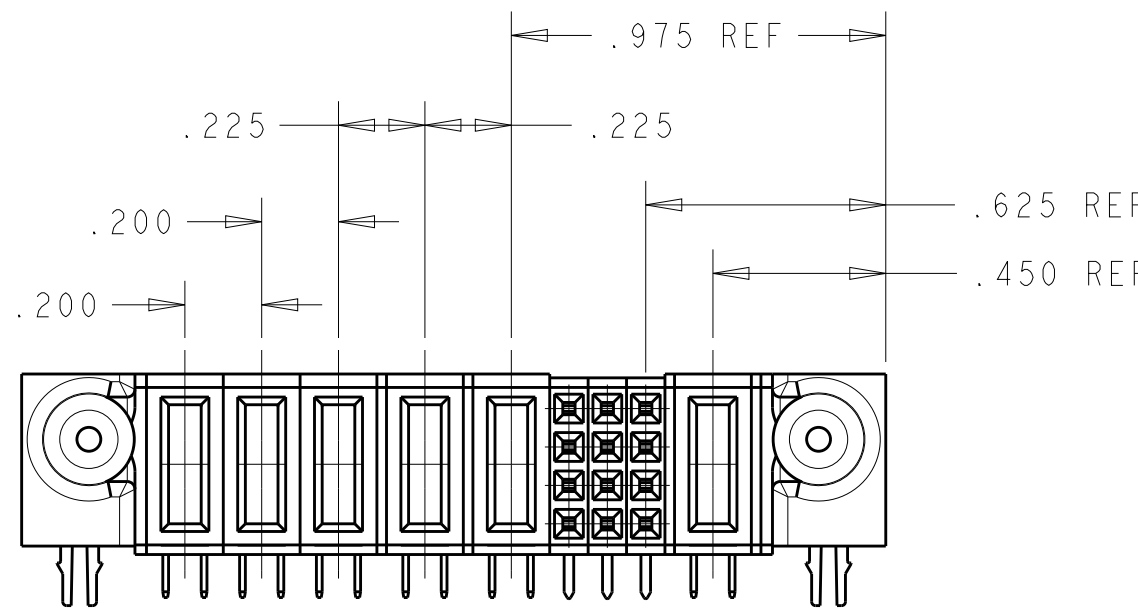
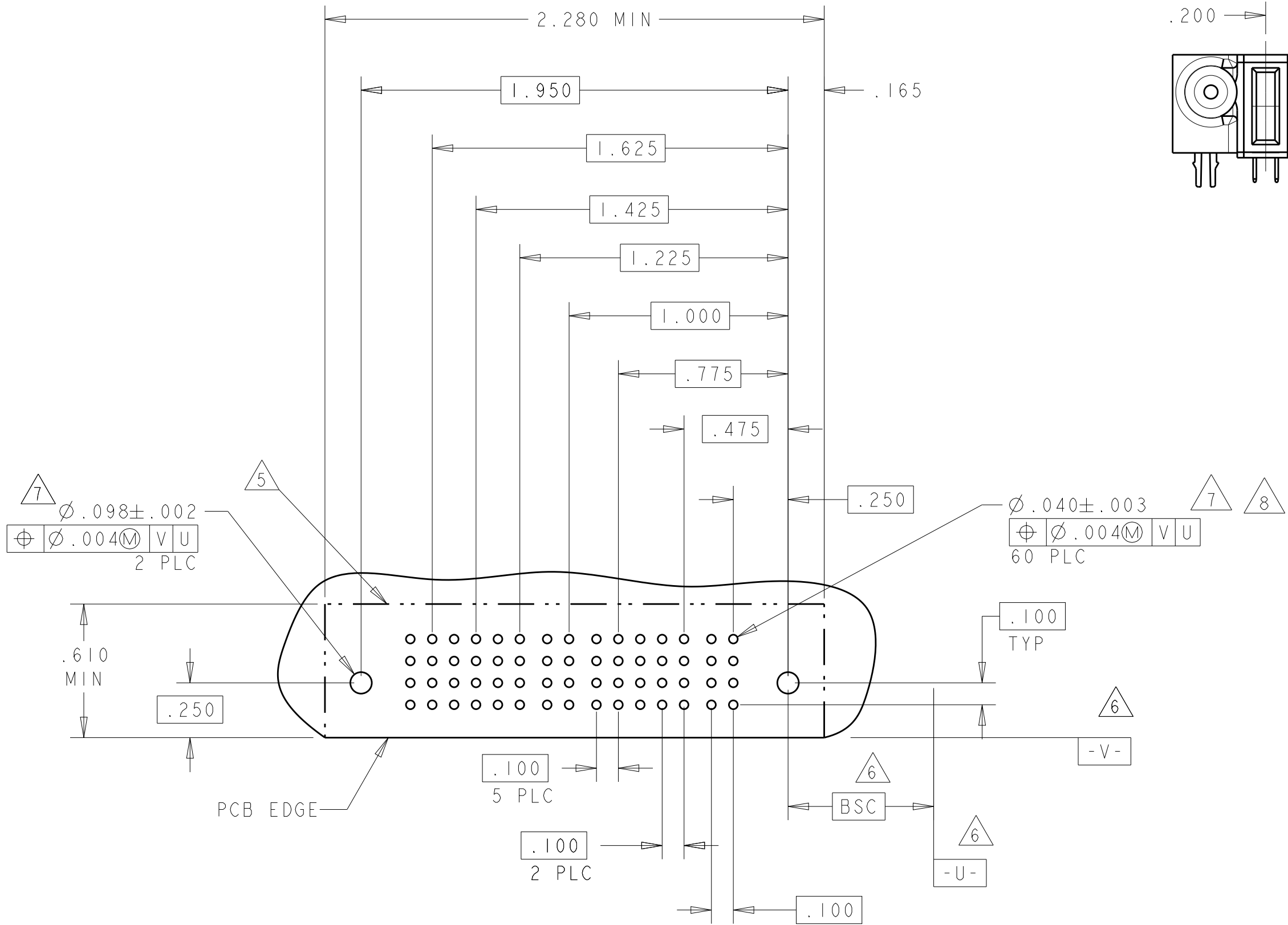
PART NUMBER	ROWS		POWER		SIGNAL					POWER			
			P4	P3	6	5	4	3	2	1	P2		P1
I-6450160-0	D C B A		RA	RA	H	H	H	H	H	H	RA	RA	
					G	G	G	G	G	G			
					F	F	F	F	F	F			
					E	E	E	E	E	E			
2P + 24S + 2P													



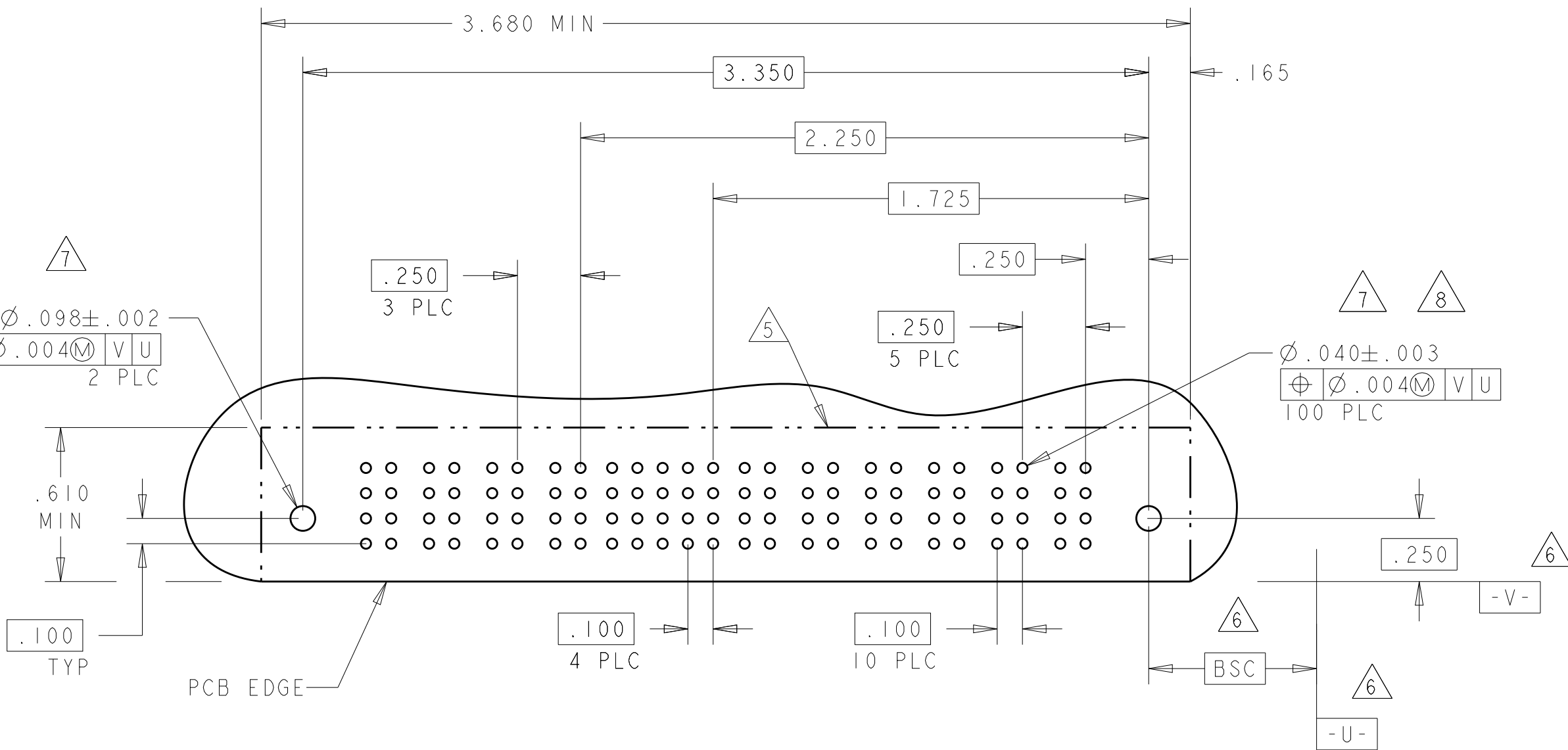
PART NUMBER	ROWS		SIGNAL							
			6	5	4	3	2	1		
I-6450160-2	D C B A		L	L	L	L	L	L		
			K	K	K	K	K	K		
			J	J	J	J	J	J		
			I	I	I	I	I	I		
										
0P + 24S + 0P										



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



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN
R. GRZYBOWSKI
CHK
M. PERCHERKE
APVD
M. PERCHERKE

21FEB05
21FEB05
21FEB05

DIMENSIONS:
INCHES

MATERIAL
FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

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
-

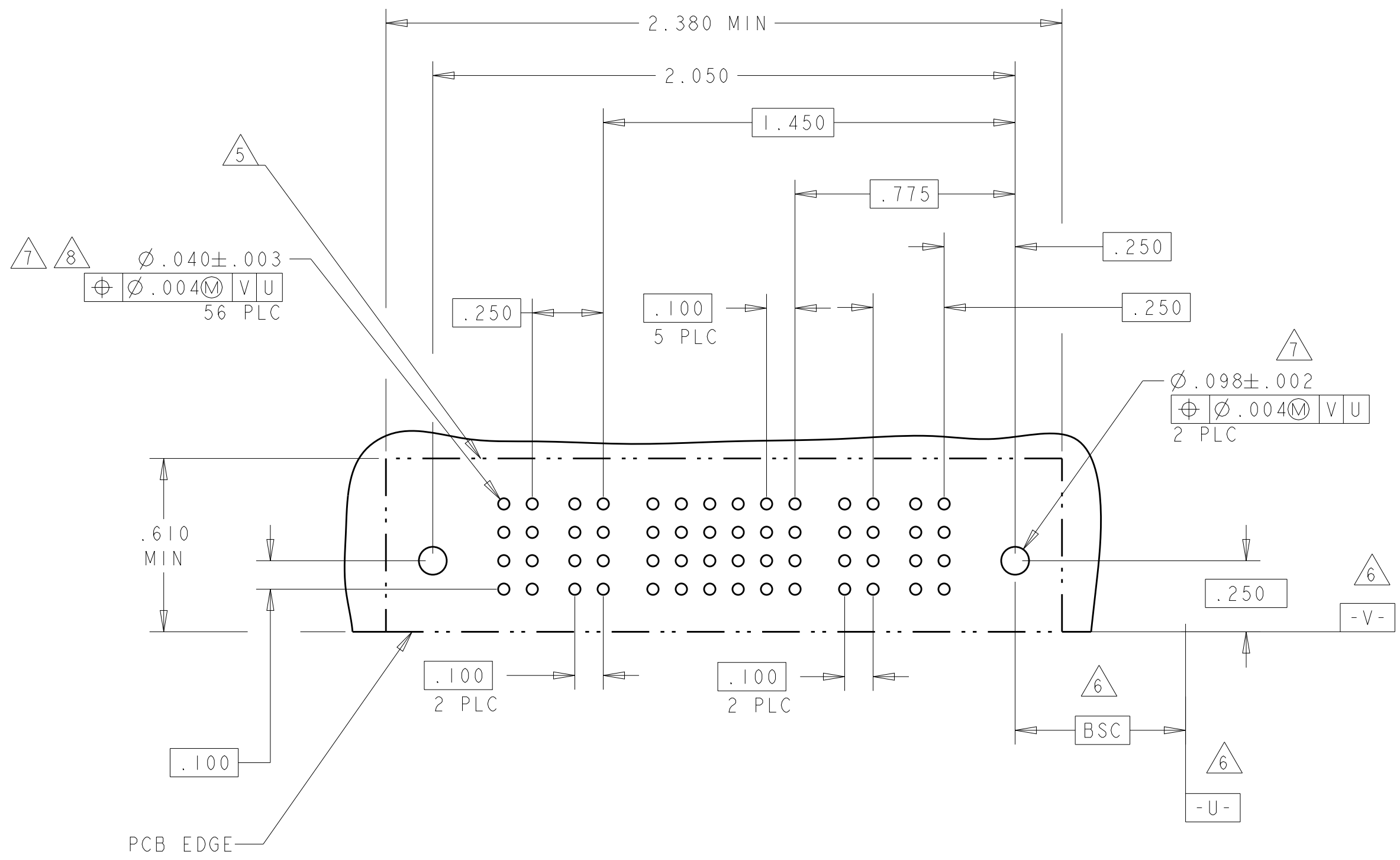
SCALE
4:1

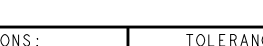
SHEET
5

OF
16

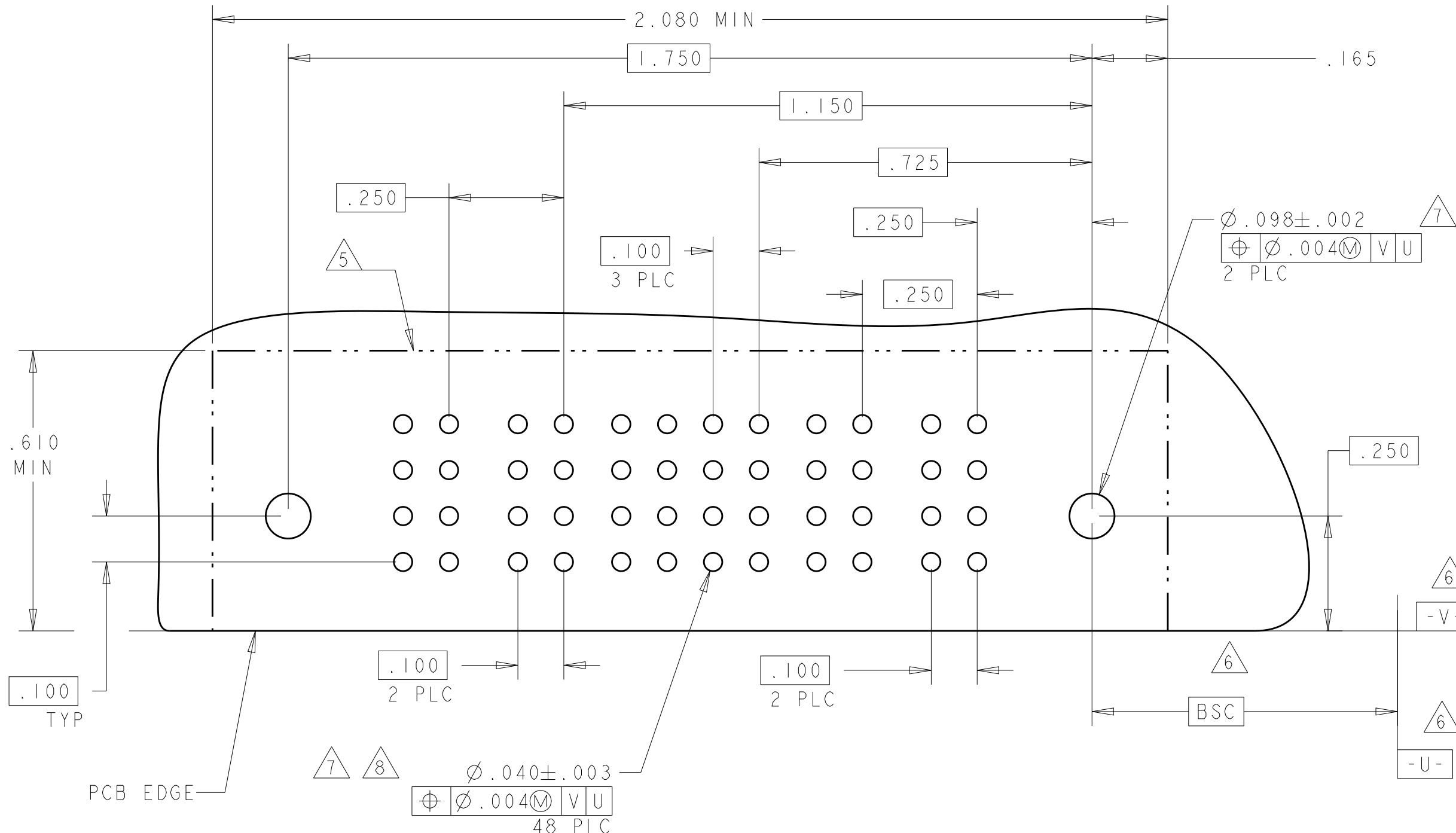
REV
G1

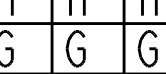
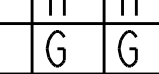
PART NUMBER	ROWS		POWER		SIGNAL							POWER					
			P4	P3	6	5	4	3	2	1	P2	P1					
2-6450160-5	D C B A																
2P + 24S + 2P																	

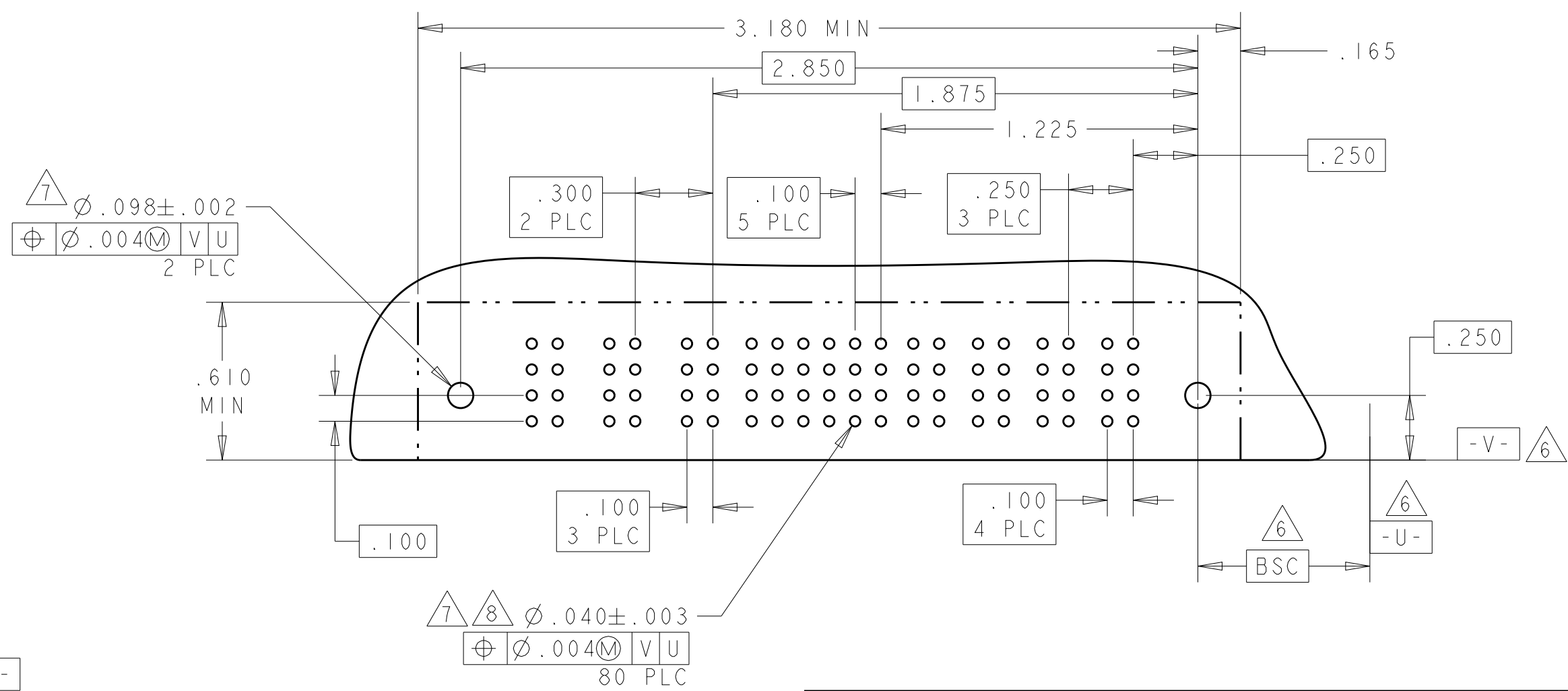
[illegible]

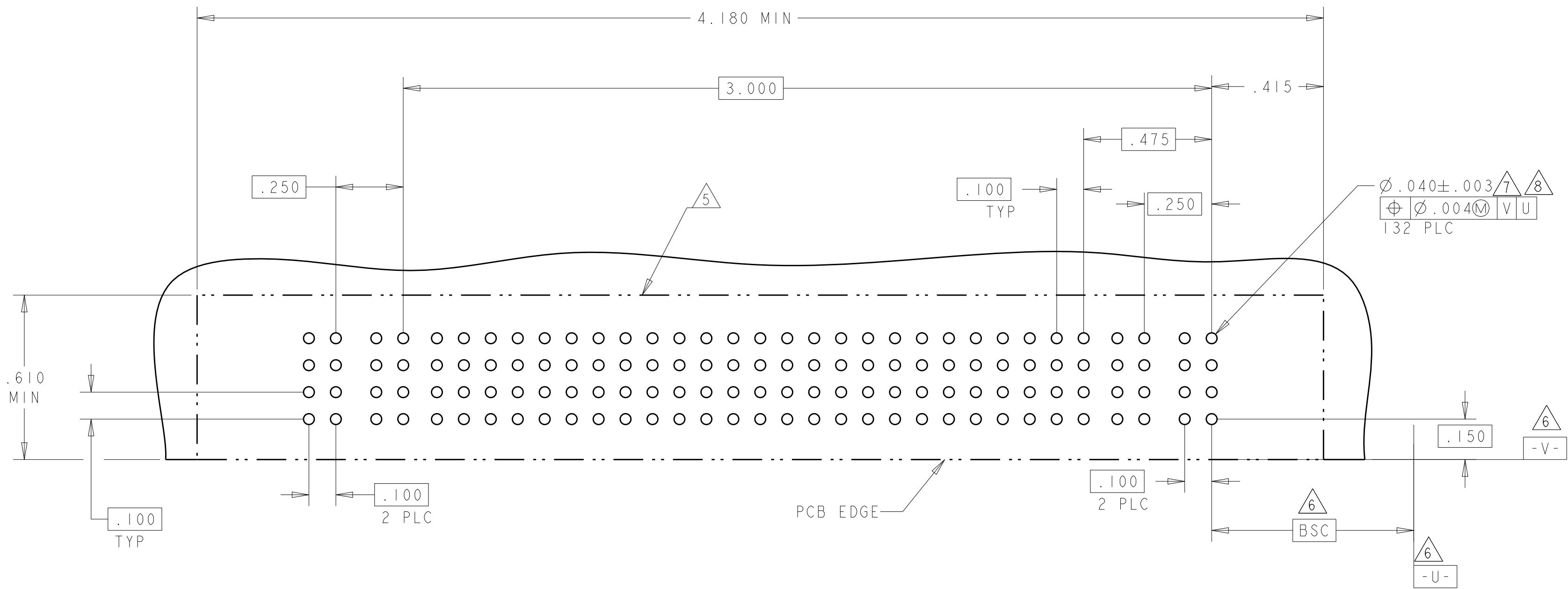
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Z. GRZYBOWSKI 21FE005		 TE Connectivity	
DIMENSIONS: INCHES		CHN M. PERCHERRE 21FE005			
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		0 PLC ±.1 1 PLC ±.1 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002			
		FINISH ANGLE ±2°			
		MATERIAL WEIGHT -			
CUSTOMER DRAWING		SCALE 4:1		SHEET 6 OF 16	
REV G		REV G		REV G	

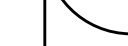
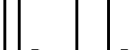
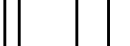
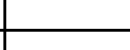
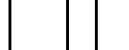
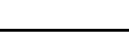
PART NUMBER	ROWS		POWER		SIGNAL				POWER		
			P4	P3	4	3	2	1	P2	P1	
3-6450160-1	D C B A	HD			H	H	H	H			HD
					G	G	G	G			
					F	F	F	F			
					E	E	E	E			
2P + 16S + 2P											

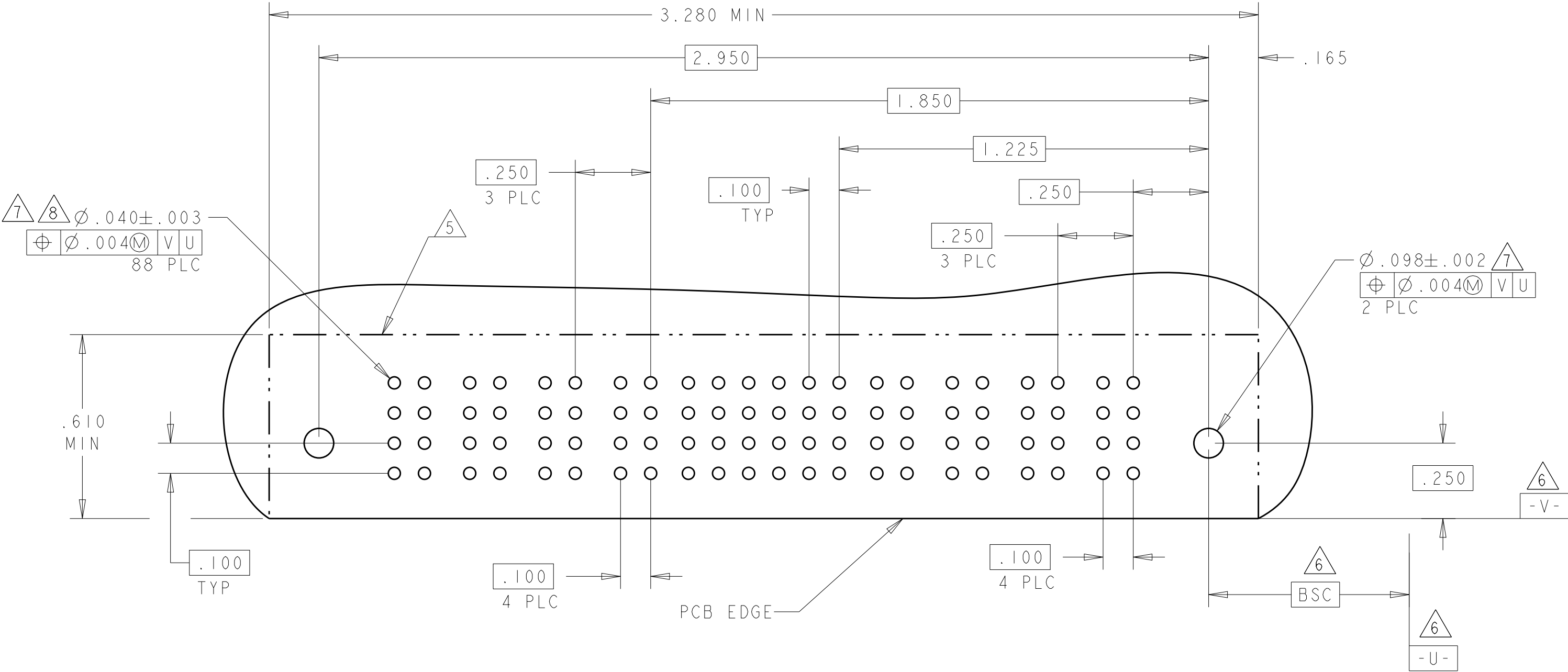


PART NUMBER	HOUSING P/N	ROWS		POWER			SIGNAL							POWER				
				P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1		
3-6450160-2	3-1450190-2	D C B A																
4P + 24S + 3ACP																		

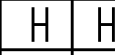
4805 (3/11)

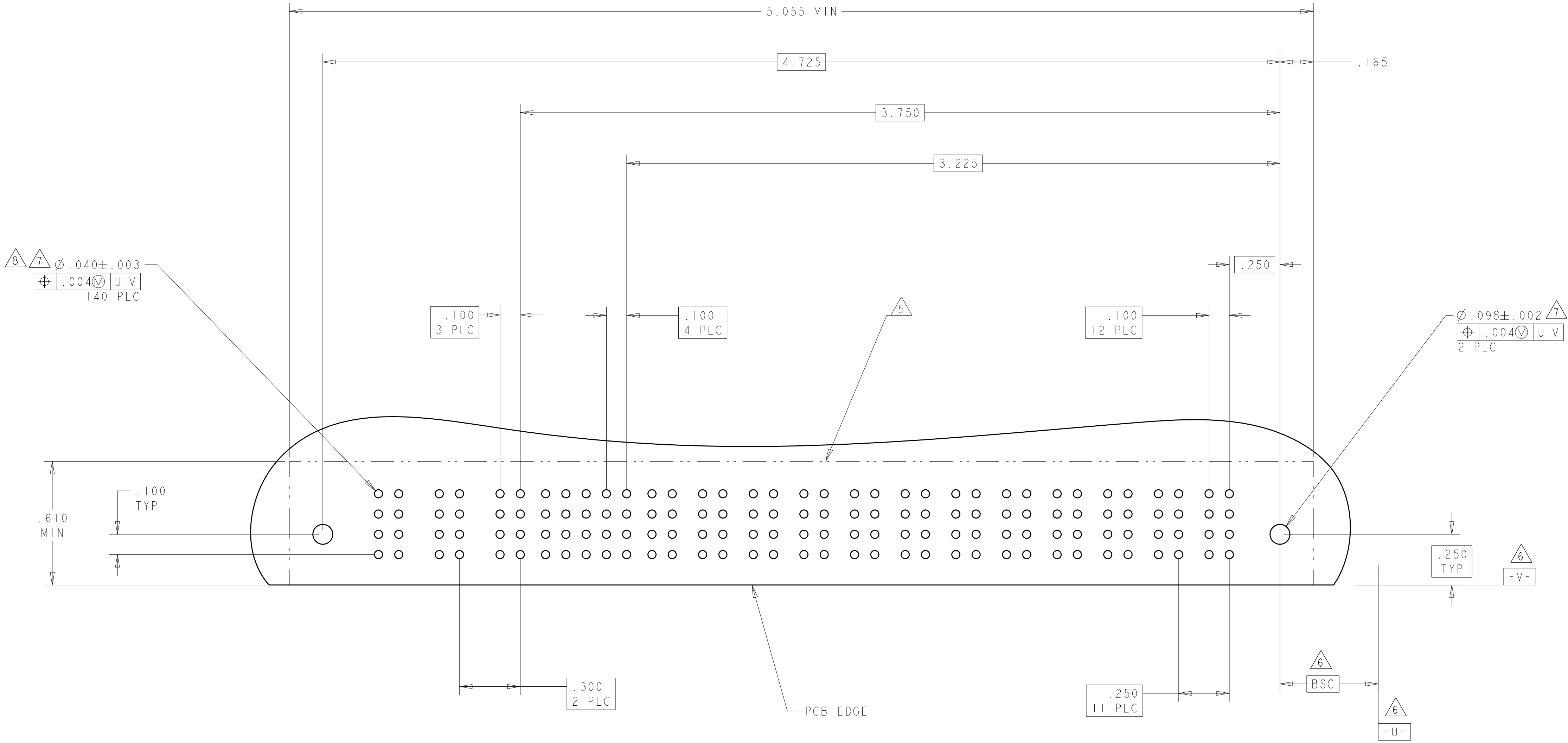


PART NUMBER	ROWS		POWER				SIGNAL					POWER				
			P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	
3-6450160-7	D C B A	     	     	     	H	H	H	H	H	H						
					G	G	G	G	G	G						
					F	F	F	F	F	F						
					E	E	E	E	E	E						

4805 (3/11)

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

PART NUMBER	ROWS		AC POWER			SIGNAL					POWER														
			P15	P14	P13	5	4	3	2	1	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1			
1-6450160-8	D C B A				H	H	H	H	H																
					G	G	G	G	G																
					F	F	F	F	F																
					E	E	E	E	E																
12P + 20S + 3ACP																									



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

R.GRZYBOWSKI

21FEB05

CHK

M.PERCHERKE

21FEB05

APVD

M.PERCHERKE

21FEB05

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

NAME

RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE

A1

CAGE CODE

100779

DRAWING NO

6450160

RESTRICTED TO

-

Customer Drawing

SCALE 3:1

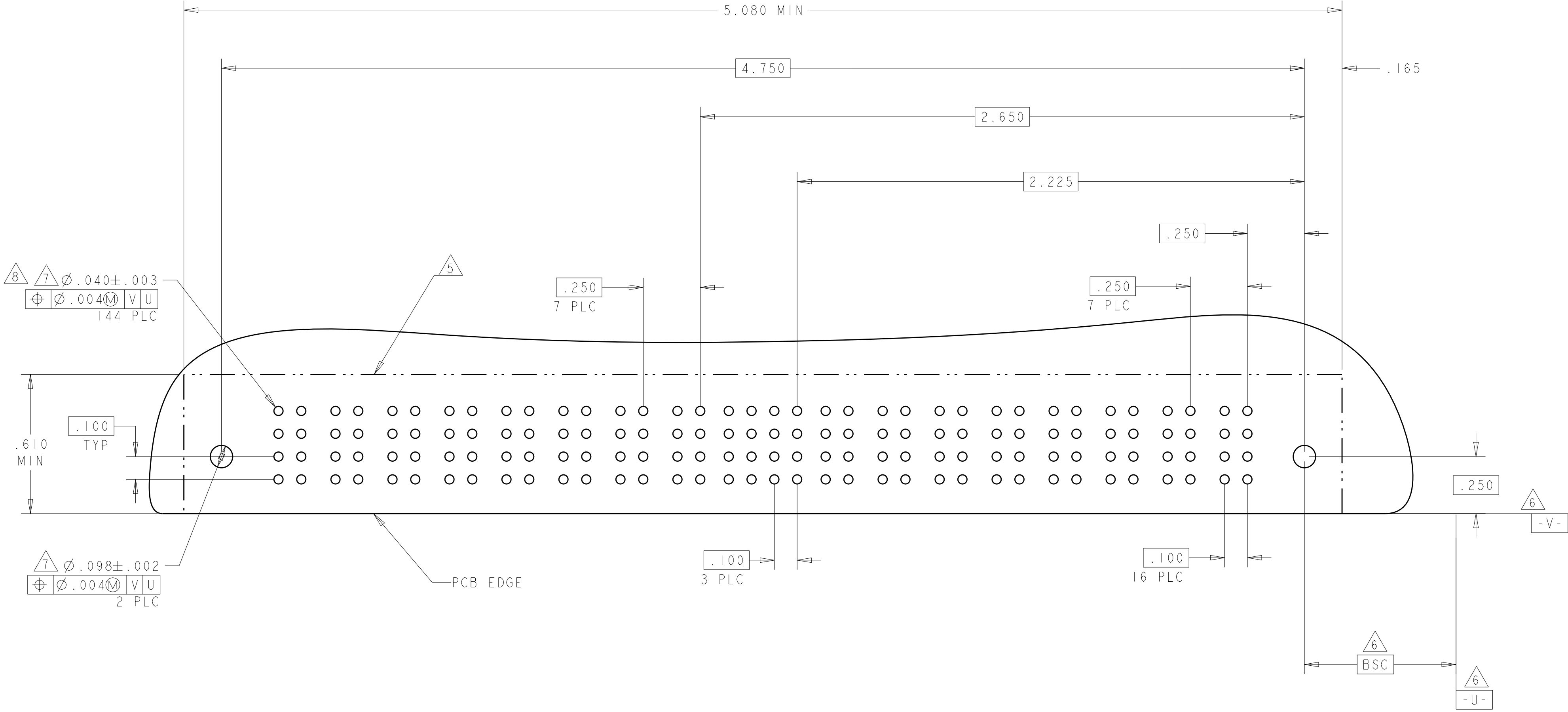
SHEET 10 OF 16

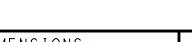
REV G1

4805 (3/11)

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

PART NUMBER	ROWS		POWER								SIGNAL				POWER								
			P16	P15	P14	P13	P12	P11	P10	P9	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1	
3-6450160-9	D										H	H	H	H									
	C										G	G	G	G									
	B										F	F	F	F									
	A	HD									E	E	E	E									HD
8P + 16S + 8P																							

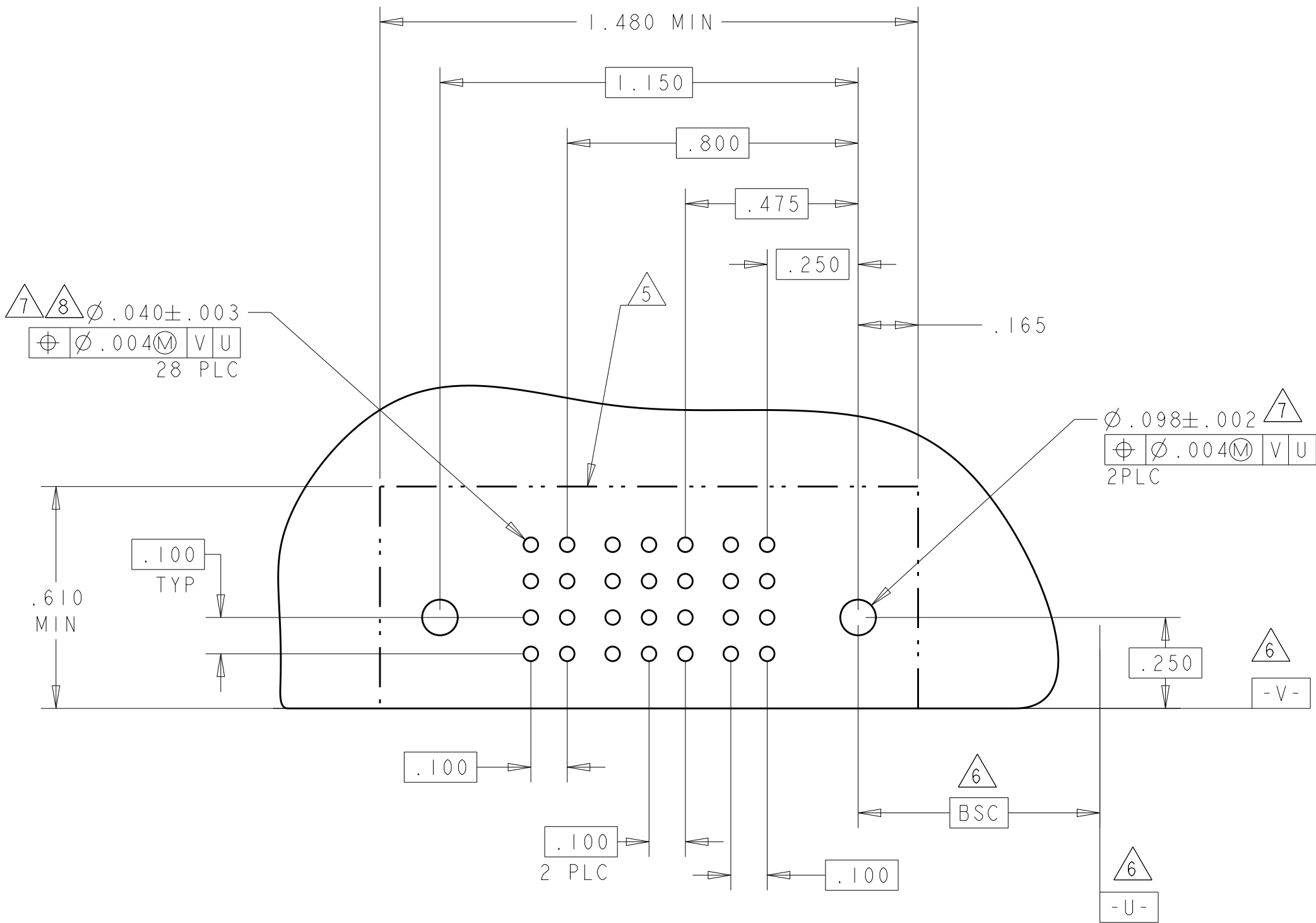
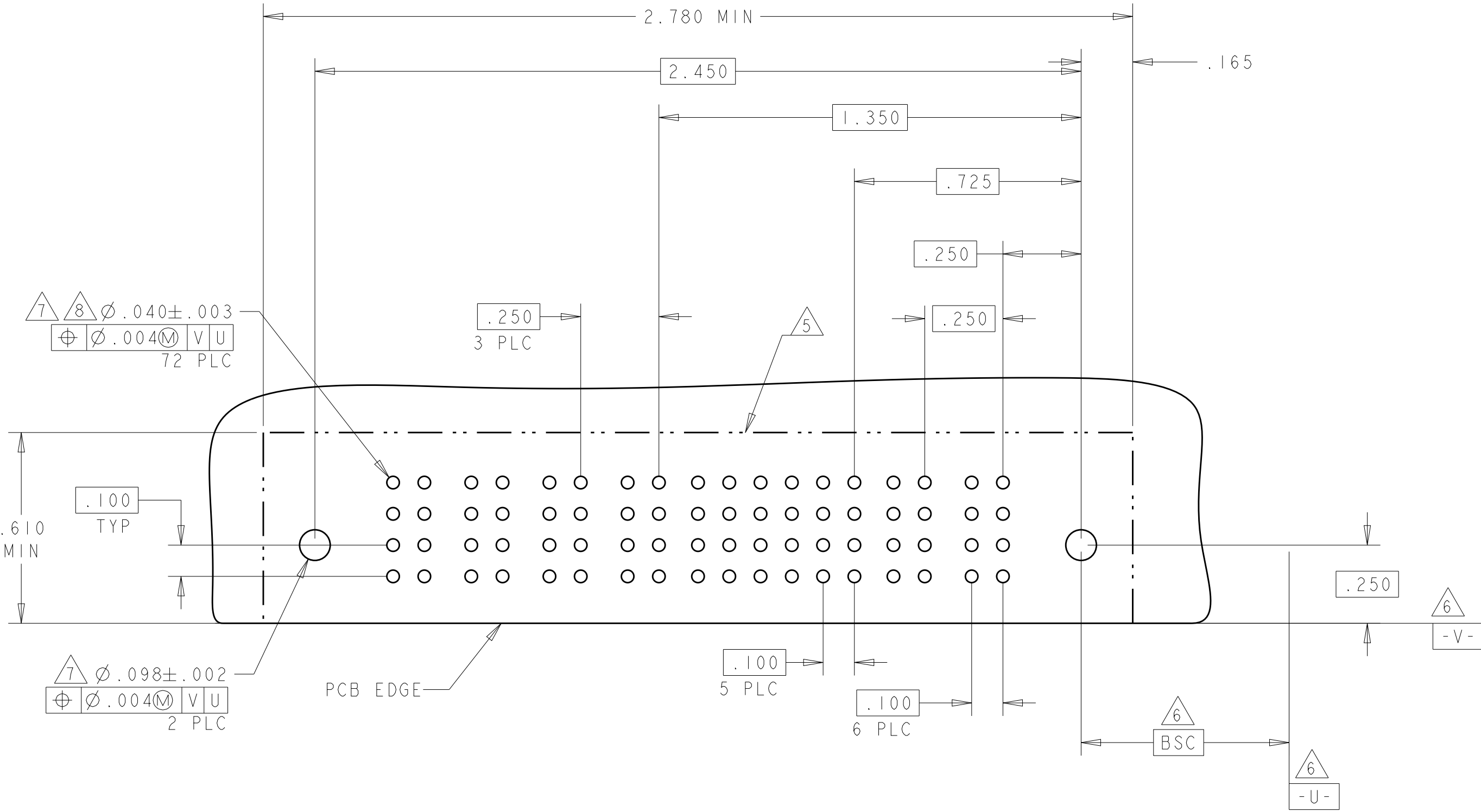


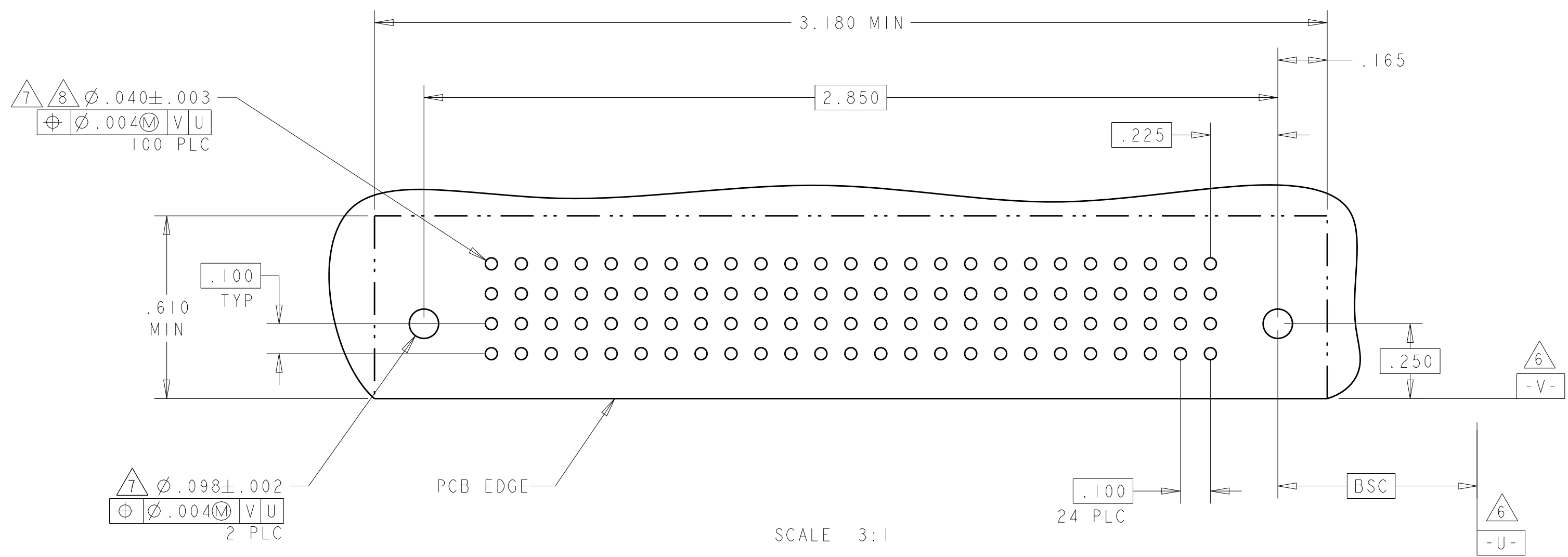
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 21FEB05	 TE Connectivity			
DIMENSIONS: INCHES		CHK M.PERCHEKKE 21FEB05				
	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES #2° FINISH	APVD M.PERCHEKKE 21FEB05	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL			
		PRODUCT SPEC 108-1973				
		APPLICATION SPEC 114-13038				
		SIZE A100779C=6450160				
		RESTRICTED TO -				
MATERIAL		Customer Drawing	SCALE 3:1	SHEET 12	OF 16	REV G1

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															

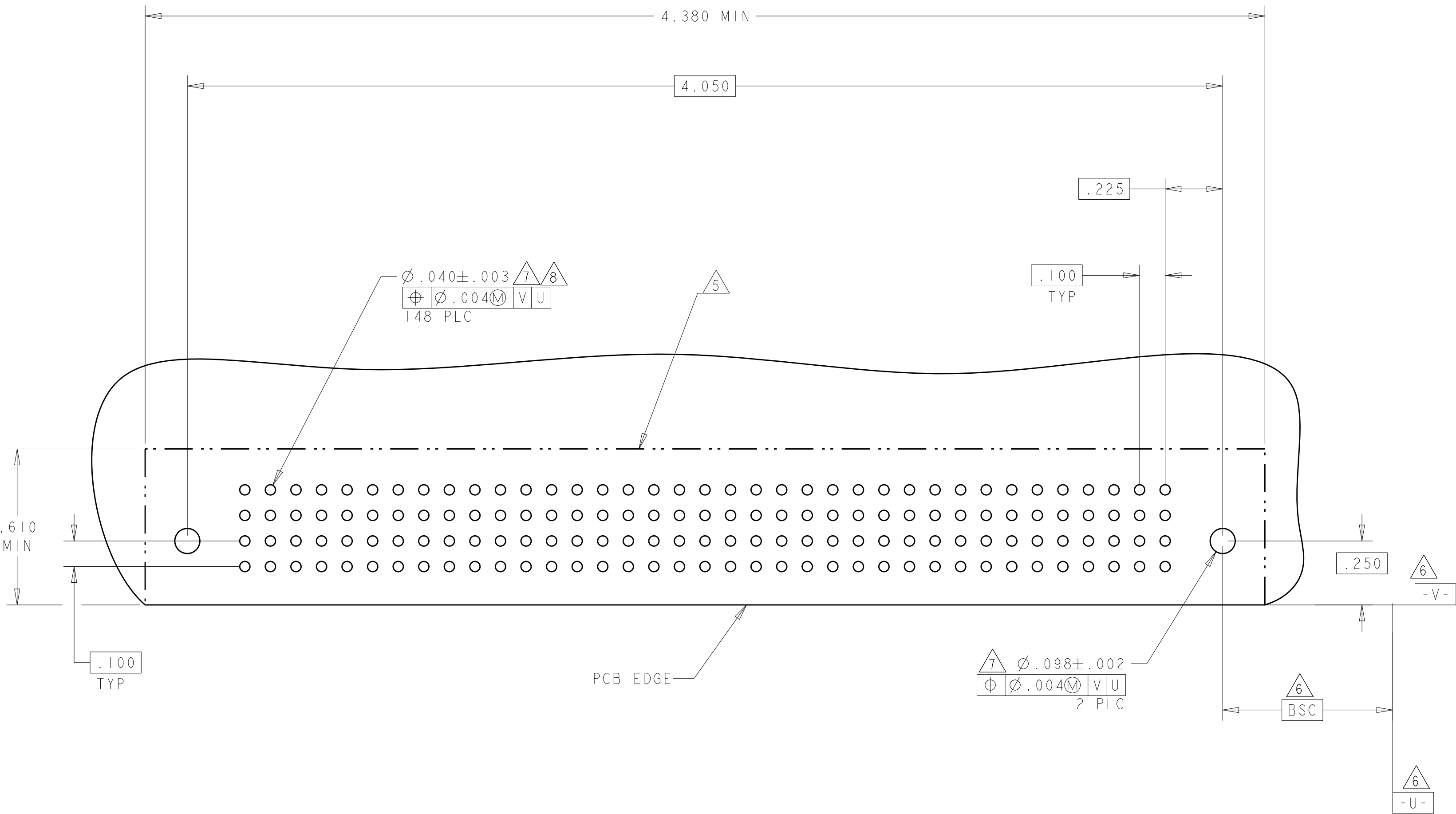
PART NUMBER	ROWS		POWER		SIGNAL			POWER		
			P2	3	2	1	P1			
4-6450160-1	D			H	H	H				
	G			G	G					
	F			F	F					
	A									
1P + 12S + 1P										



[illegible]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 21FEB05		 TE Connectivity	
DIMENSIONS: INCHES		CHW M. PERCHERKE 21FEB05 APVD M. PERCHERKE 21FEB05 PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038			
DIMENSIONS: INCHES 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 P/LC ±. 1 P/LC ±. 2 P/LC ±.01 3 P/LC ±.005 4 P/LC ±.002 ANGLES ±°		NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL SIZE CAGE CODE DRAWING NO. RESTRICTED TO A 100779 © 6450160 - Customer Drawing SCALE 3:1 SHEET 14 OF 16 REV G1	
MATERIAL		FINISH			

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
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
	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
148S																															HD							

4805 (3/11)

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