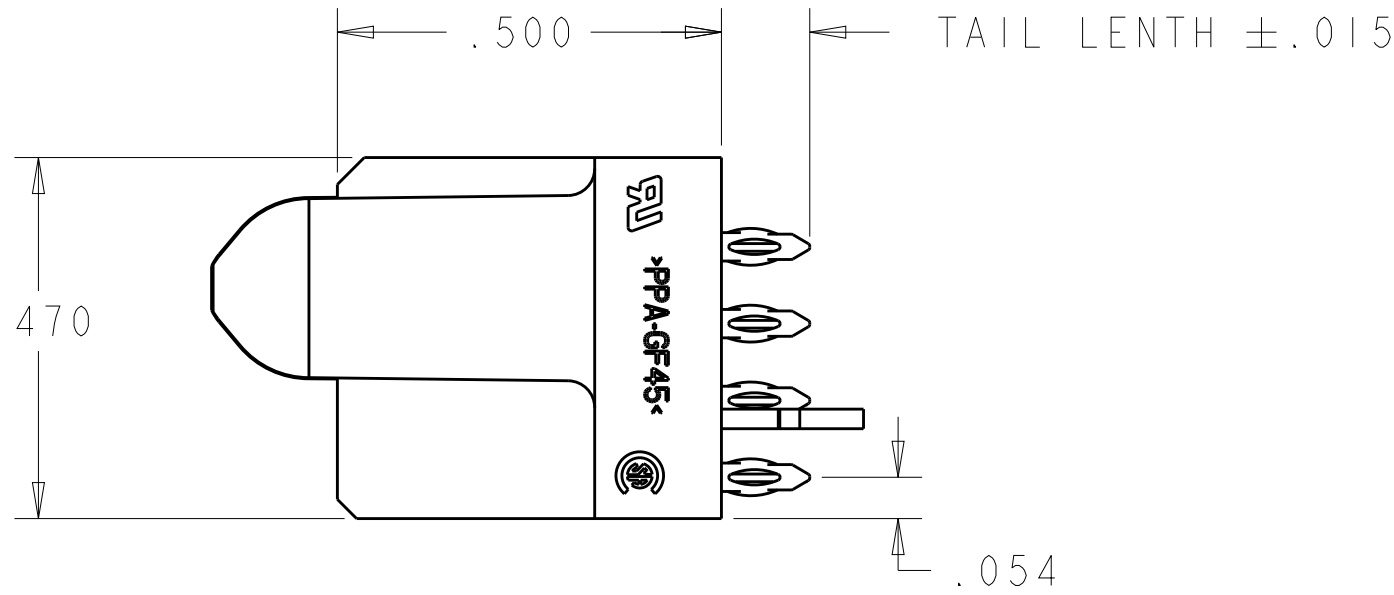
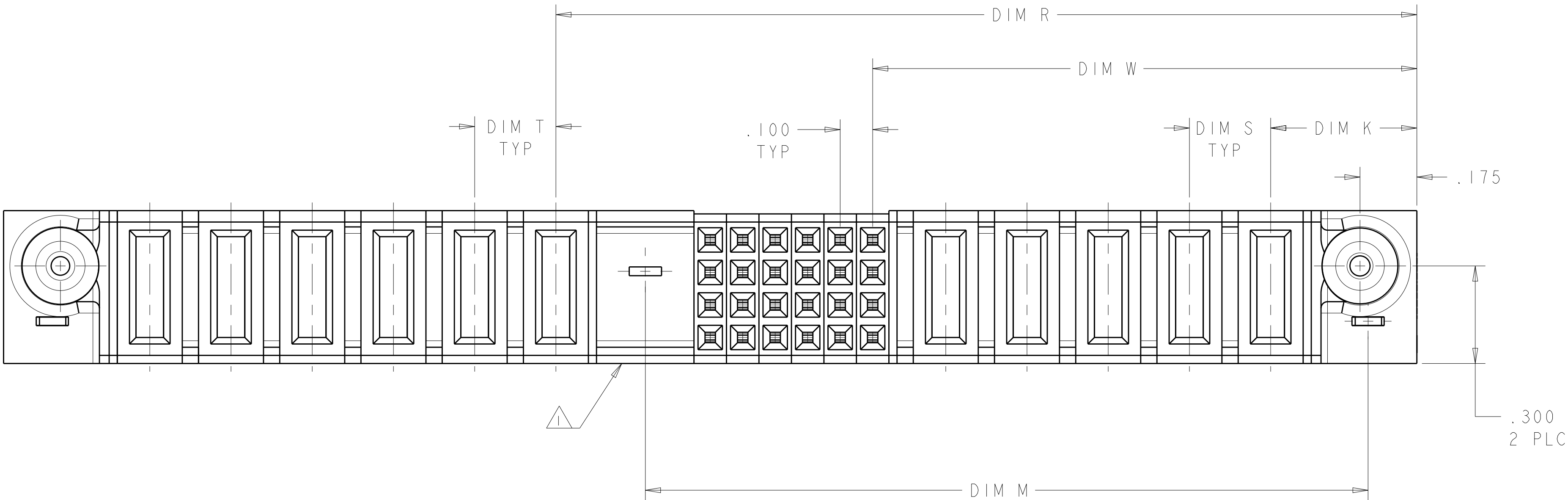
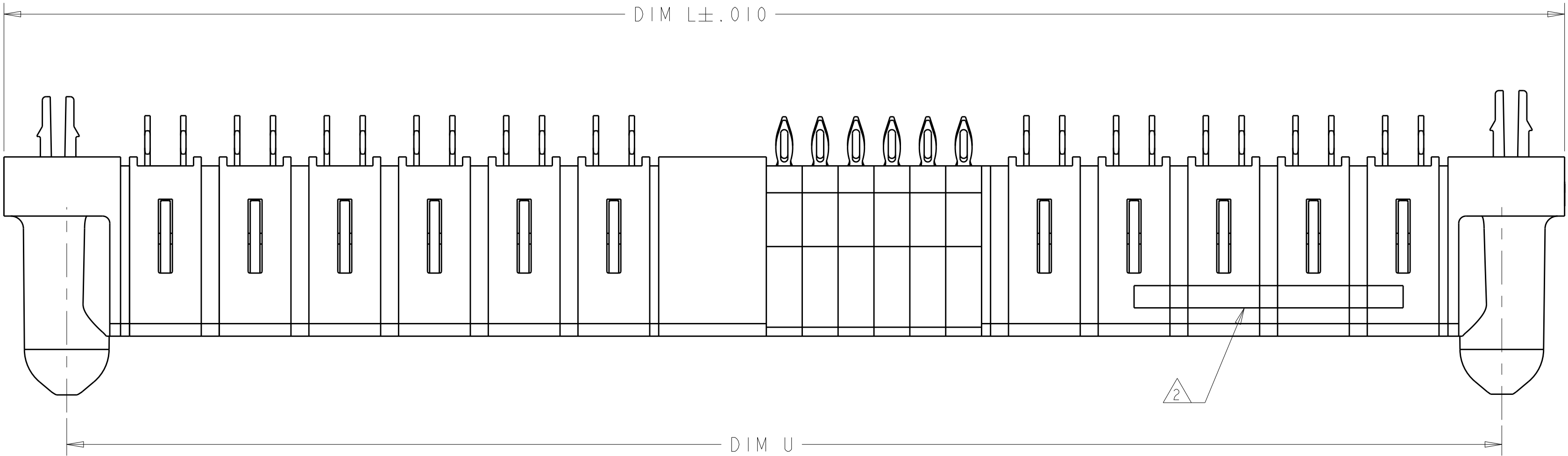
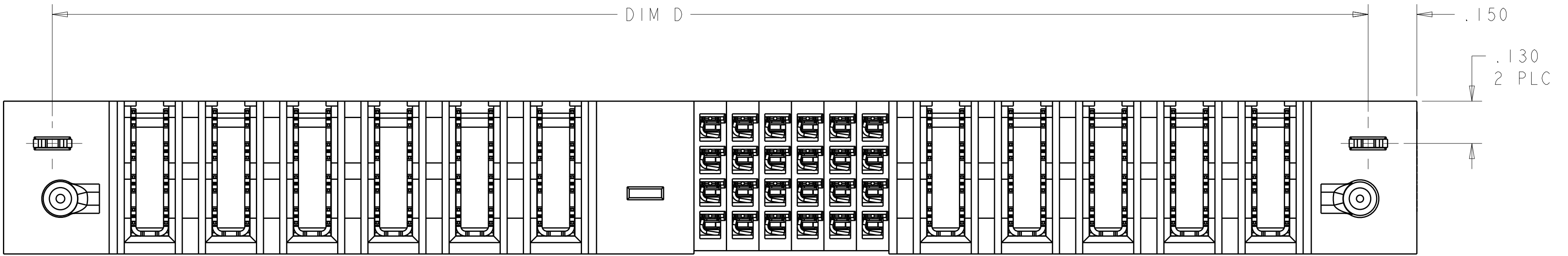


LOC		DIST		REVISIONS				
ES	00	P	LYR	DESCRIPTION	DATE	DWN	APVD	
		K9		REV PER ECR-12-018831	30OCT2012	AY	SZ	



- 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
PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES
- 3
- MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-O
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 4
- CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA
OF POWER CONTACTS 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 - 0.0453 ±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn
OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 HOLE
- 9
- VARAIBLE DIMENSION SHOWN VIEW (SHEET 6)

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 29APR05	TE Connectivity	NAME	
		CHK M.PERCHERKE 29APR05			
DIMENSIONS:		APVD M.PERCHERKE	PRODUCT SPEC	APPLICATION SPEC	
INCHES					
		0 PLC ±"	108-1973	114-13038	
		1 PLC ±.01			
		2 PLC ±.01			
		3 PLC ±.005			
		4 PLC ±.0020	114-13038	114-13038	
		ANGLES ±.0020			
		FINISH #2	WEIGHT	-	
MATERIAL		CUSTOMER DRAWING	SCALE 2:1		SHEET 1 OF 19
					REV K9

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

K9	1.350	1.300	-	-	1.200	.625	-	1.650	.450	1P + 20S + 1P	6-6450540-6
	2.550	2.500	.250	.250	1.650	1.375	-	2.85	.450	4P + 8S + 4P	6-6450540-5
	1.350	1.300	-	-	1.200	.625	-	1.650	.450	1P + 20S + 1P	6-6450540-2
	-	3.300	.200	.200	2.200	1.625	-	3.650	.450	6P + 20S + 6P	6-6450540-1
	2.950	2.900	.250	.250	2.050	1.375	-	3.250	.450	4P + 24S + 4P	6-6450540-0
	2.050	2.000	.250	.250	1.650	.925	-	2.350	.450	2P + 24S + 2P	5-6450540-9
	2.050	2.000	.250	.250	1.400	1.125	-	2.350	.450	3P + 8S + 3P	5-6450540-5
	2.500	2.450	.250	.250	1.850	1.375	-	2.800	.450	4P + 16S + 3P	5-6450540-4
	2.950	2.900	.250	.250	2.050	1.375	-	3.250	.450	4P + 24S + 4P	5-6450540-3
	1.350	1.300	-	-	1.200	.675	-	1.650	.450	1P + 16S + 1P	5-6450540-2
	1.750	1.700	.250	.250	1.350	.875	-	2.050	.450	2P + 16S + 2P	5-6450540-1
	5.950	5.900	.250	.250	3.550	2.8750	-	6.250	.450	10P + 24S + 10P	5-6450540-0
	5.150	5.100	.250	.250	3.250	2.375	-	5.450	.450	8P + 32S + 8P	4-6450540-9
	1.250	1.200	-	-	1.100	.625	-	1.550	.450	1P + 16S + 1P	4-6450540-8
	2.150	2.100	.250	.250	1.500	1.175	-	2.450	.450	3P + 8S + 3P	4-6450540-7
	1.150	1.100	-	-	1.000	.675	-	1.450	.450	1P + 8S + 1P	4-6450540-6
	-	-	-	.200	-	-	-	2.820	.450	12HDP	4-6450540-5
	-	-	.200	.200	2.600	1.625	-	3.970	.450	6HDP + 36S + 7HDP	4-6450540-4
	2.65	2.60	.250	.250	2.250	1.625	-	2.950	.450	5P + 20S + 2P	(E)4-6450540-3
	-	-	-	.200	-	-	-	2.620	.450	11HDP	(E)4-6450540-2
	-	-	.200	.200	2.600	1.625	-	3.770	.450	6P + 36S + 6P	4-6450540-1
	-	-	.200	.200	4.500	3.425	-	7.470	.450	15P + 40S + 15P	4-6450540-0
	-	-	.200	.200	-	-	-	7.470	-	15P + 40S + 15P	(D)3-6450540-9
	4.650	4.600	.250	.250	3.250	1.875	-	4.950	.450	6P + 52S + 6P	(D)2-6450540-7
	1.950	1.900	-	-	1.550	.875	-	2.250	.450	2P + 24S + 2P	(D)2-6450540-5
	2.450	2.400	.250	.250	1.800	1.125	-	2.750	.450	3P + 24S + 3P	(D)2-6450540-0
	-	1.575	-	-	1.425	.700	-	1.925	.475	1P + 24S + 1P	(E)1-6450540-8
	-	5.450			3.075	2.425	-	5.800	.425	10P + 24S + 12P	1-6450540-4
	3.250	3.200	.200	.200	2.125	1.575	-	3.550	.425	6P + 20S + 6P	1-6450540-2
	-	2.850	.250	.250	2.000	1.125	-	3.200	.450	3P + 32S + 4P	1-6450540-1
	1.950	1.900	.250	.250	1.550	.875	-	2.250	.450	2P + 24S + 2P	1-6450540-0
	-	1.400	.250	.250	1.300	.625	-	1.750	.450	1P + 24S + 1P	6450540-7
	-	2.400	.250	.250	2.050	1.375	-	2.750	.450	4P + 24S + 2P	6450540-6
	-	3.100	.250	.250	2.000	1.625	-	3.450	.450	5P + 12S + 5P	6450540-5
	-	3.400	.250	.250	2.050	1.375	-	3.750	.450	4P + 24S + 6P	6450540-4
	-	7.400	.250	.250	5.050	2.875	-	7.750	.450	10P + 84S + 10P	6450540-3
	-	4.000	.250	.250	2.650	1.675	2.225	4.350	.450	5P+24S+1M+6P	6450540-2
	-	1.575	-	-	1.425	.700	-	1.925	.475	1P + 24S + 1P	6450540-1
	D	U	T	S	R	W	M	L	K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.
TOLERANCES UNLESS OTHERWISE SPECIFIED:

DIMENSIONS:
INCHES

MATERIAL

FINISH

D
PLC
±.01

1
PLC
±.01

3
PLC
±.005

4
PLC
±.0020

ANGLES
±.2°

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

29APR05
29APR05

PRODUCT SPEC
108-1973

APPLICATION SPEC
114-13038

WEIGHT
-

CUSTOMER DRAWING

NAME
VERTICAL RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

SIZE
A1

CAGE CODE
100779

DRAWING NO
6450540

RESTRICTED TO
-

SCALE
2:1

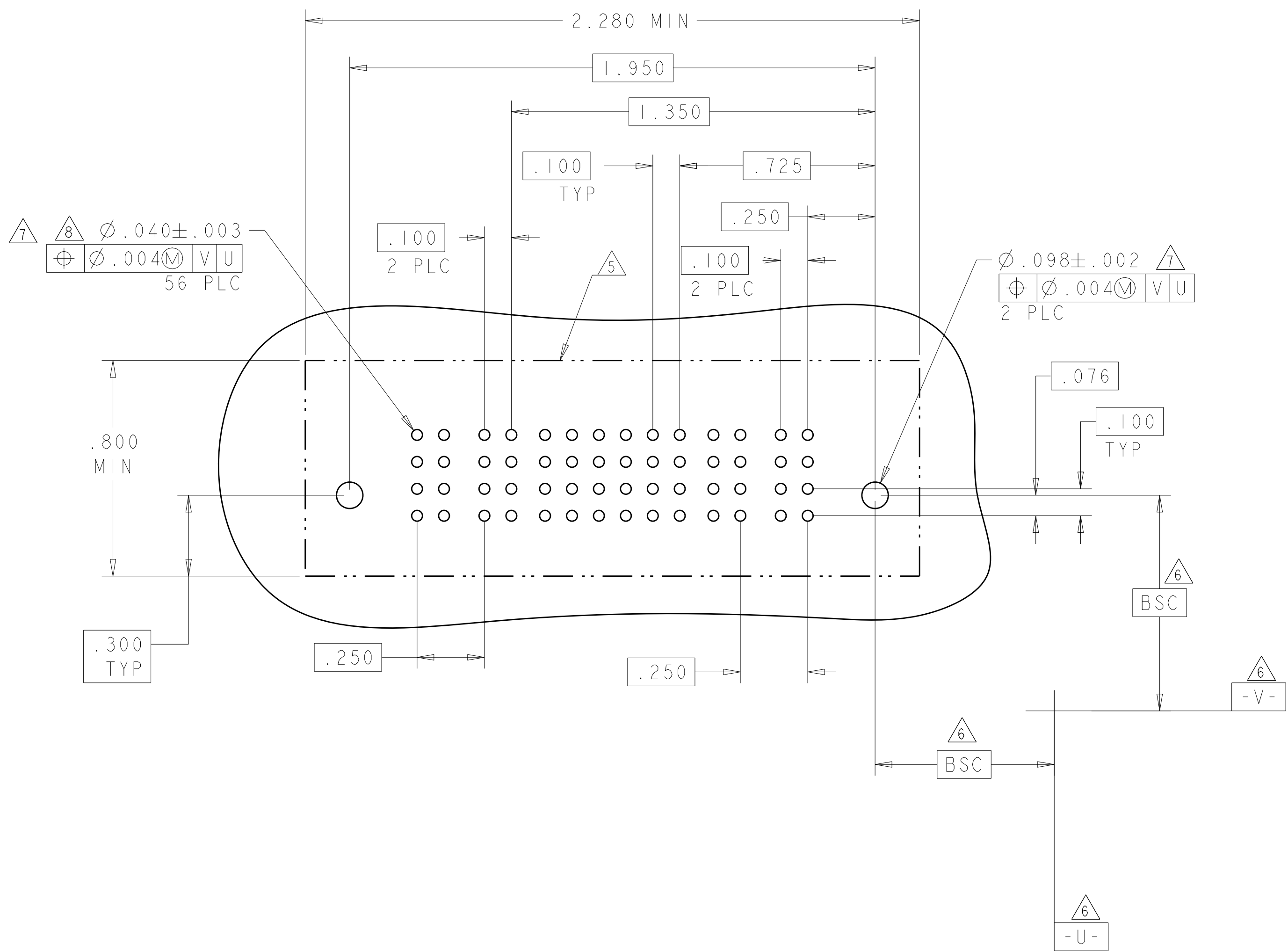
SHEET
2

OF
19

REV
K9

TE Connectivity

PART NUMBER	ROWS		POWER		SIGNAL						POWER				
			P4	P3	6	5	4	3	2	1	P2	P1			
2-6450540-5	D C B A				AP	AP	AP	AP	AP	AP	AP				
					AP	AP	AP	AP	AP	AP	AP				
					AP	AP	AP	AP	AP	AP	AP				
					AP	AP	AP	AP	AP	AP	AP				
2P + 24S + 2P															

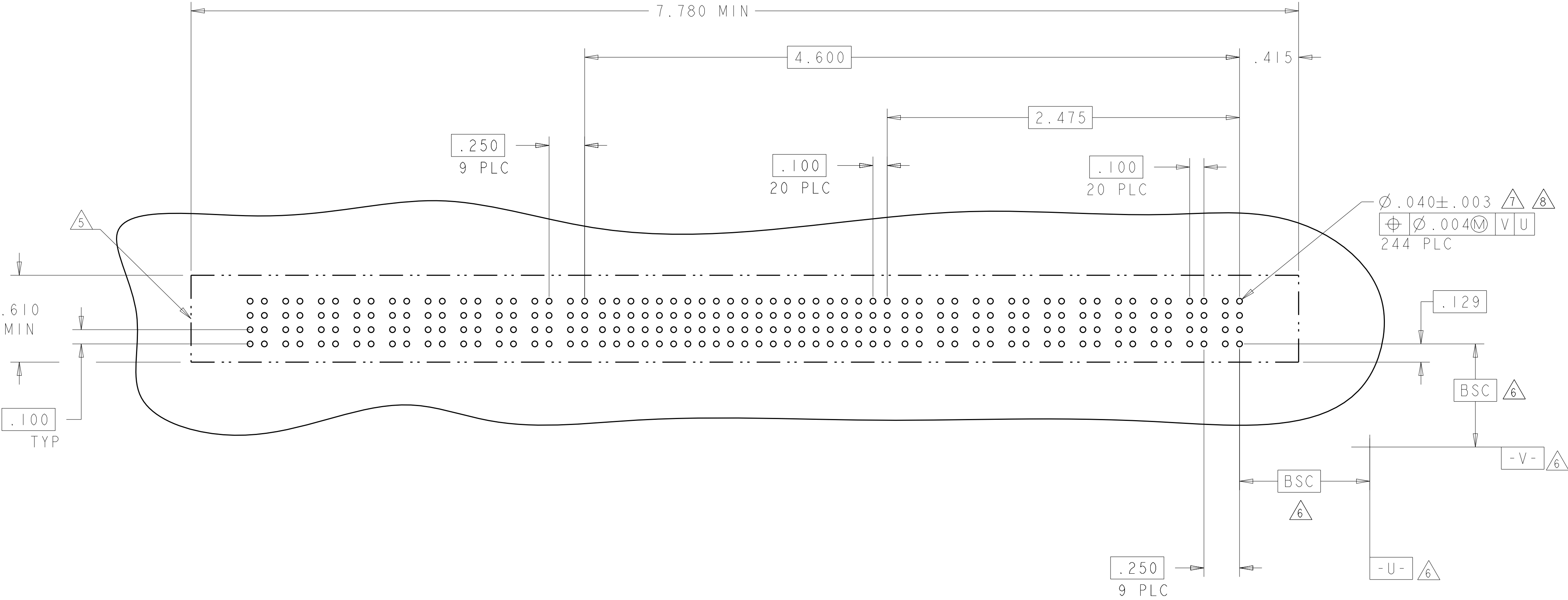


VS	STD POWER PRESSFIT CONTACT .115 LG
VP	MFBL POWER PRESSFIT CONTACT .115 LG
GS	STD POWER PRESSFIT CONTACT .135 LG
GP	MFBL POWER PRESSFIT CONTACT .135 LG
P	SIGNAL PRESSFIT CONTACT .115 LG
AP	SIGNAL PRESSFIT CONTACT .135 LG
CODE	TAIL LENGTH

4805 (3/11)

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

PART NUMBER	ROWS		POWER										SIGNAL																				POWER												
			P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	P10	P9	P8	P7	P6	P5	P4	P3	P2		P1	
6450540-3	D C B A																																												
10P + 84S + 10P																																													



HP	MFBL POWER PRESSFIT CONTACT .165 LG
BP	SIGNAL PRESSFIT CONTACT .165 LG
GP	MFBL POWER PRESSFIT CONTACT .135 LG
AP	SIGNAL PRESSFIT CONTACT .135 LG
CODE	TAIL LENGTH

CONTACT TABLE

THIS DRAWING IS A CONTROLLED DOCUMENT.

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

29APR05
29APR05

DIMENSIONS:
INCHES

0 PLC ±
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.0020
ANGLES ±2°
FINISH

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

PRODUCT SPEC
108-1973
APPLICATION SPEC
114-13038
WEIGHT
CUSTOMER DRAWING

NAME
VERTICAL RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=6450540

RESTRICTED TO
-

SCALE
2:1

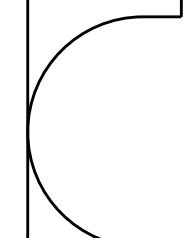
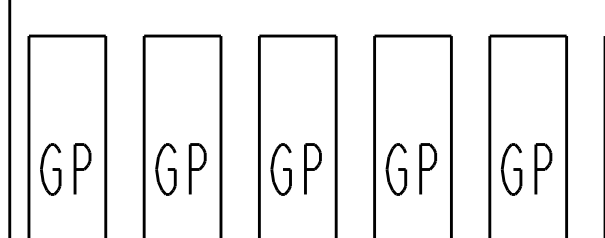
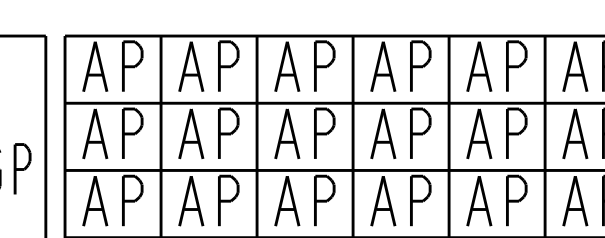
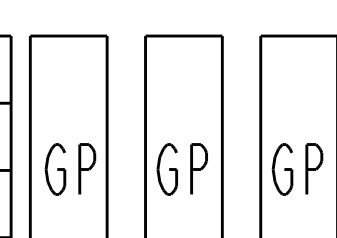
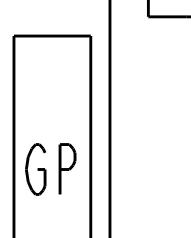
SHEET
4

OF
19

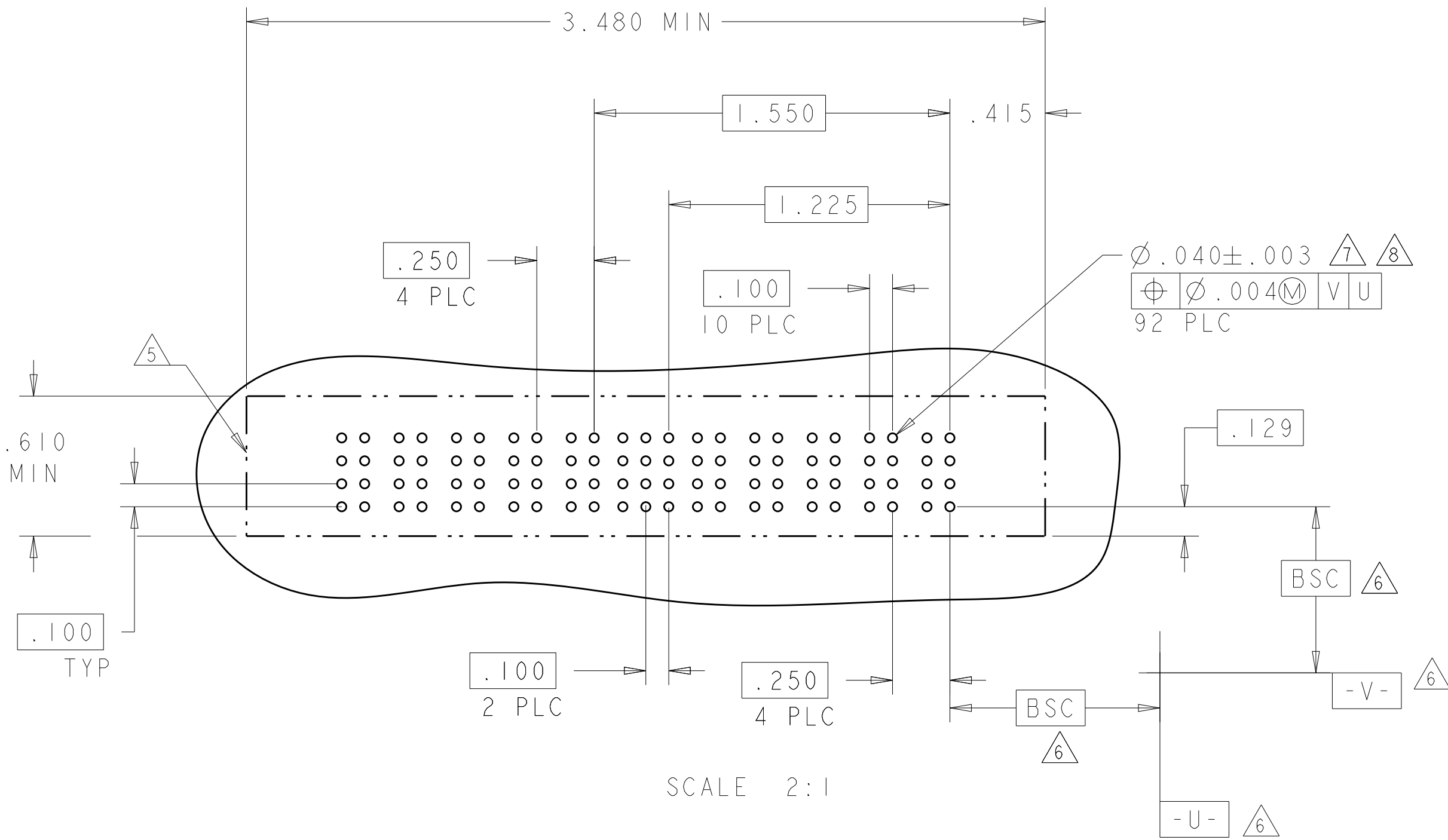
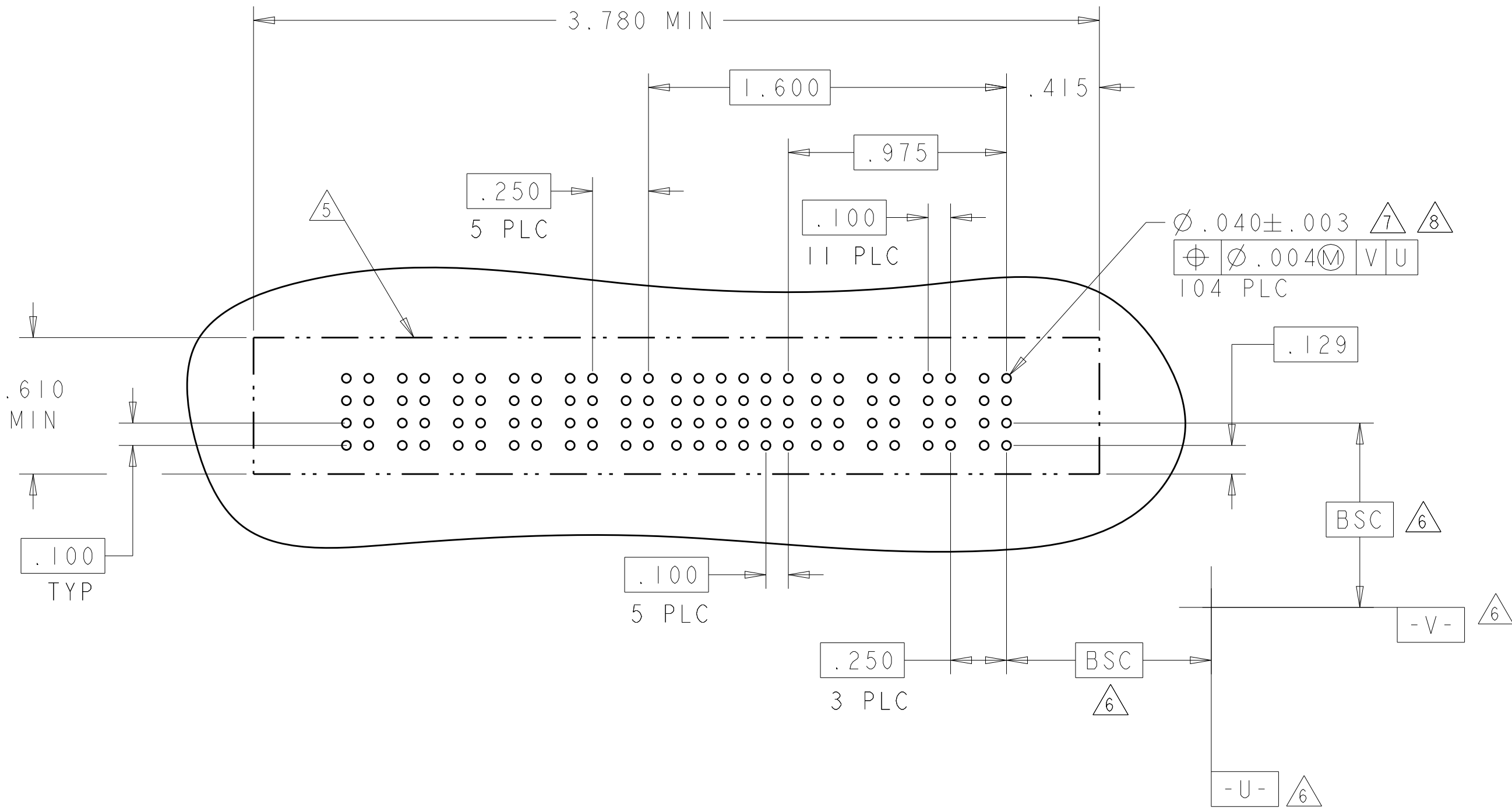
REV
K9

TE Connectivity

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

PART NUMBER	ROWS		POWER						SIGNAL						POWER				
			P10	P9	P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
6450540-4	D C B A																		
4P + 24S + 6P																			

PART NUMBER	ROWS		POWER					SIGNAL			POWER					
			P10	P9	P8	P7	P6	3	2	1	P5	P4	P3	P2	P1	
6450540-5	D C B A															
5P + 12S + 5P																



GP	MFBL POWER PRESSFIT CONTACT .135 LG
AP	SIGNAL PRESSFIT CONTACT .135 LG
CODE	TAIL LENGTH
CONTACT TABLE	

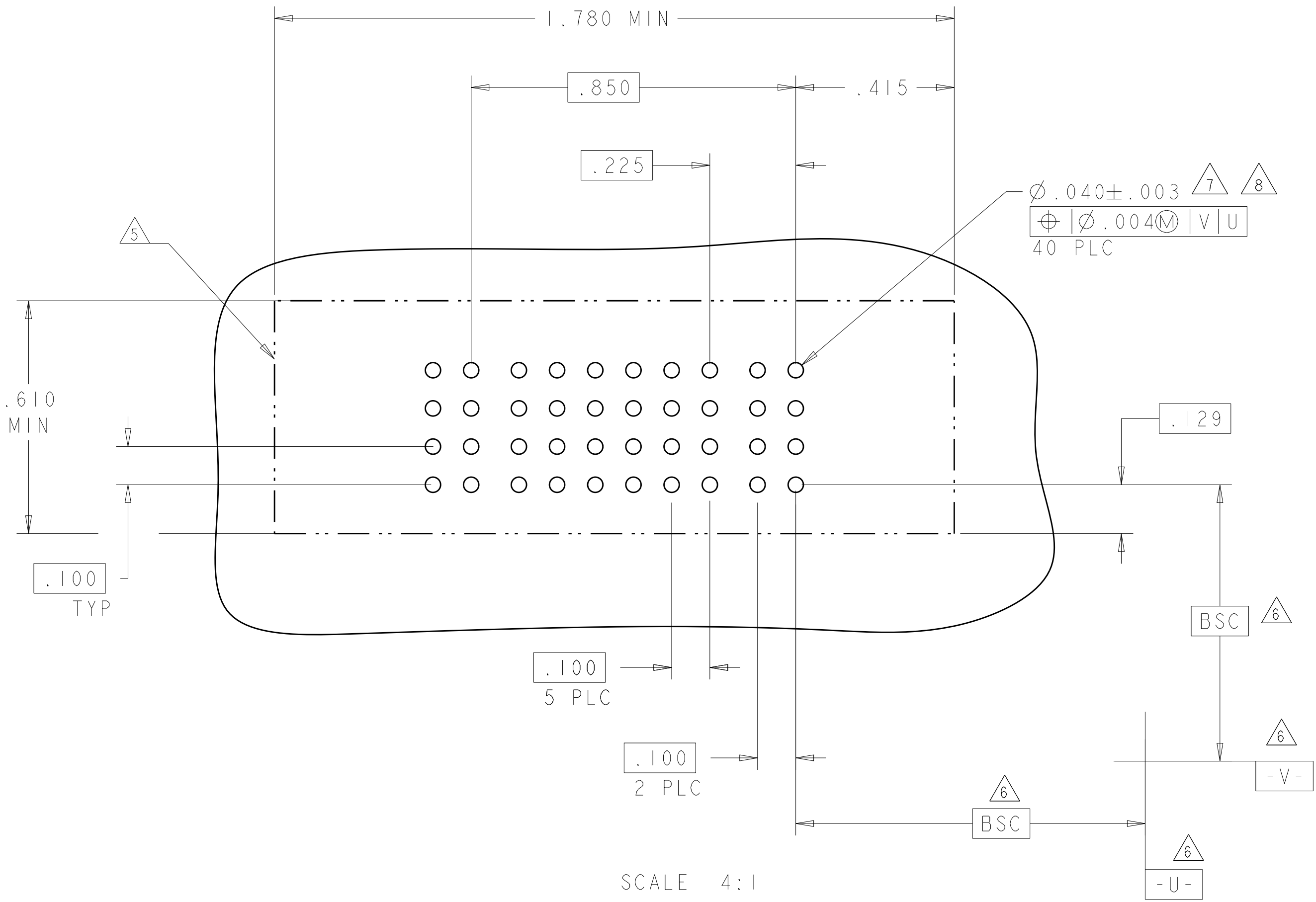
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	29APR05 29APR05 -
DIMENSIONS: INCHES		PRODUCT SPEC	NAME
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	SIZE
0 PLC ±.01		114-13038	CAGE CODE
1 PLC ±.01		WEIGHT	DRAWING NO
2 PLC ±.01		CUSTOMER DRAWING	RESTRICTED TO
3 PLC ±.005		SCALE	SHEET
4 PLC ±.0020		2:1	5 OF 19
ANGLES ±.0020		REV	K9
FINISH			

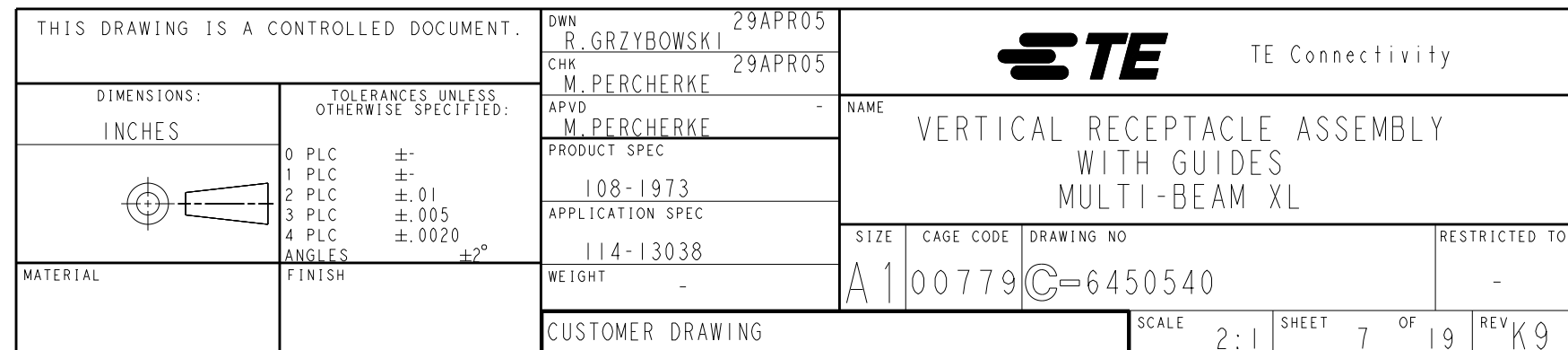
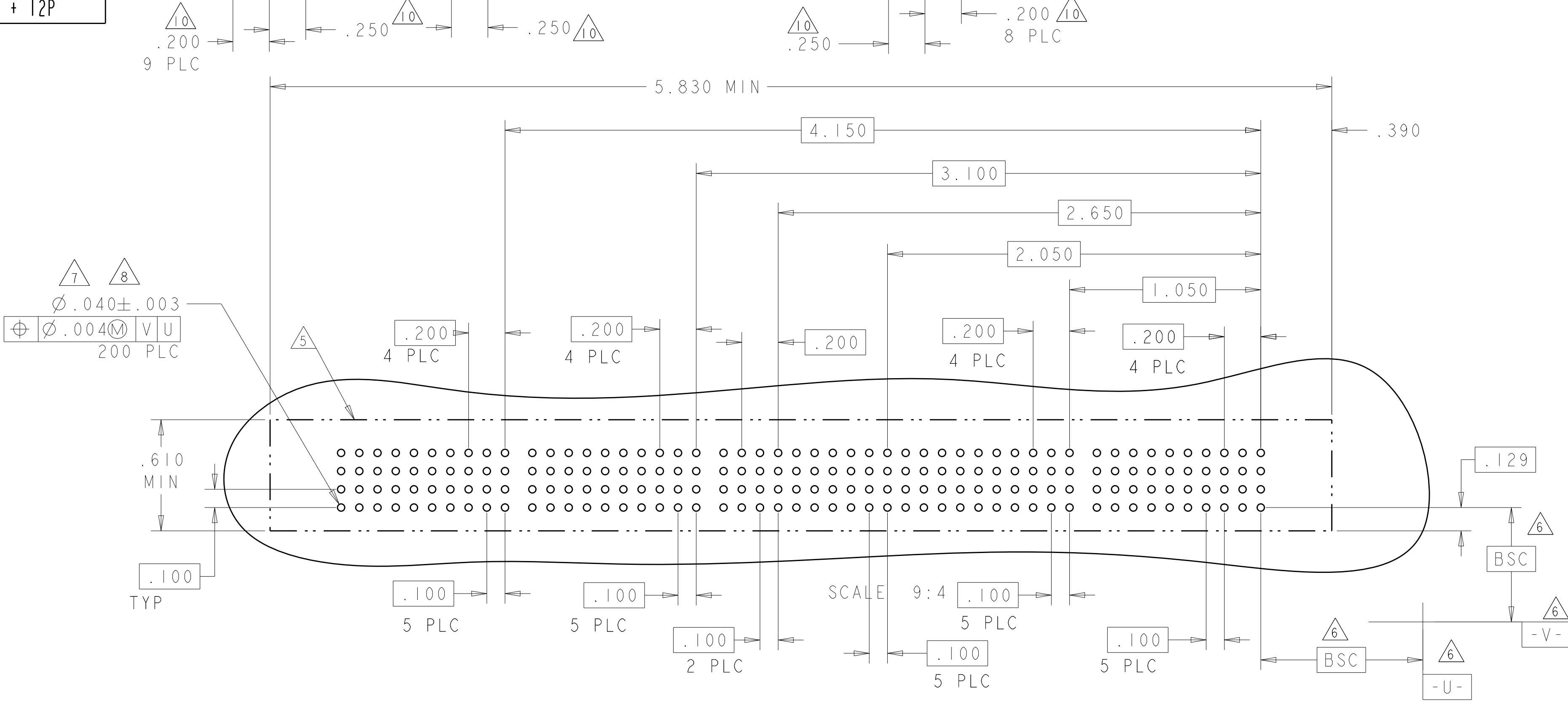
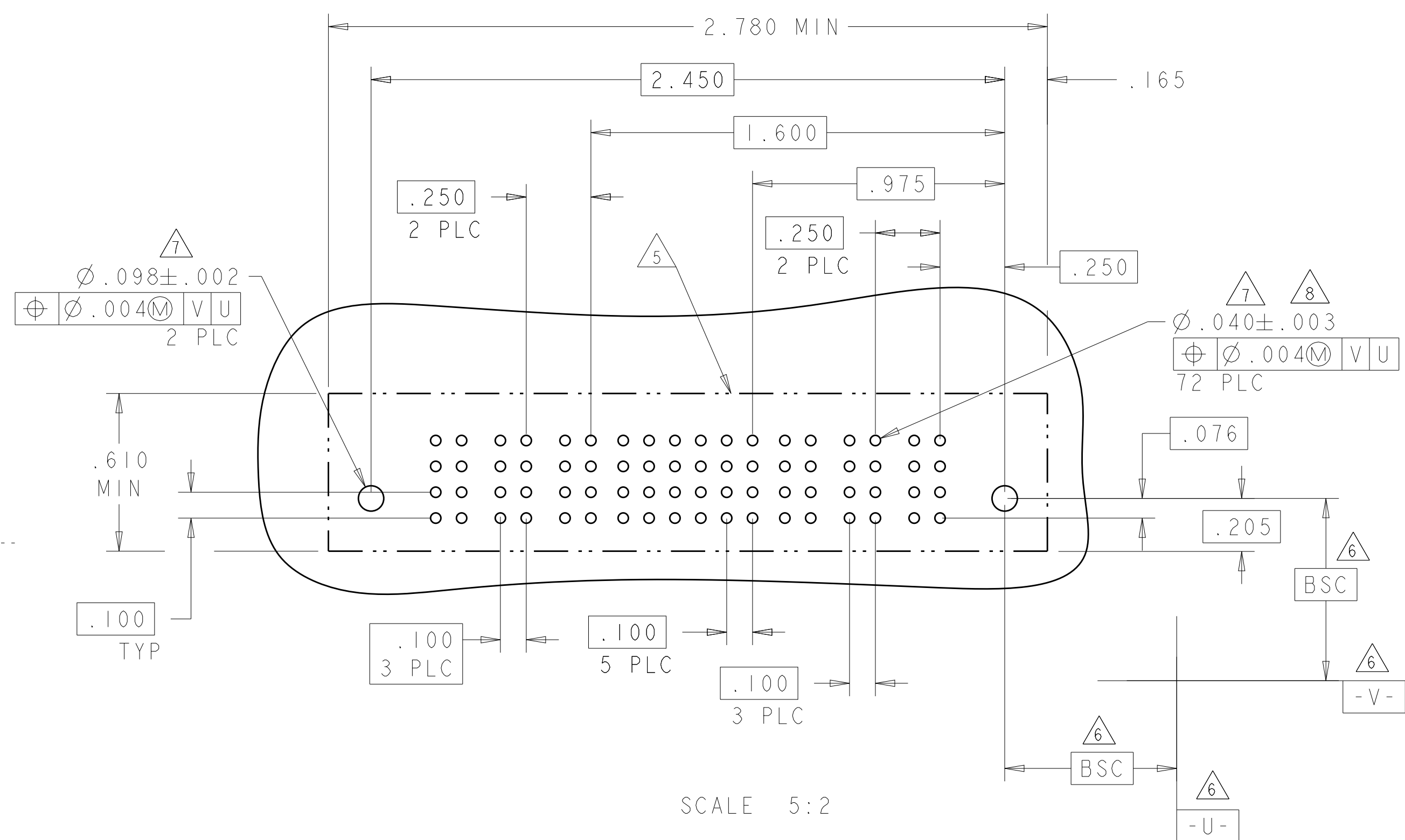
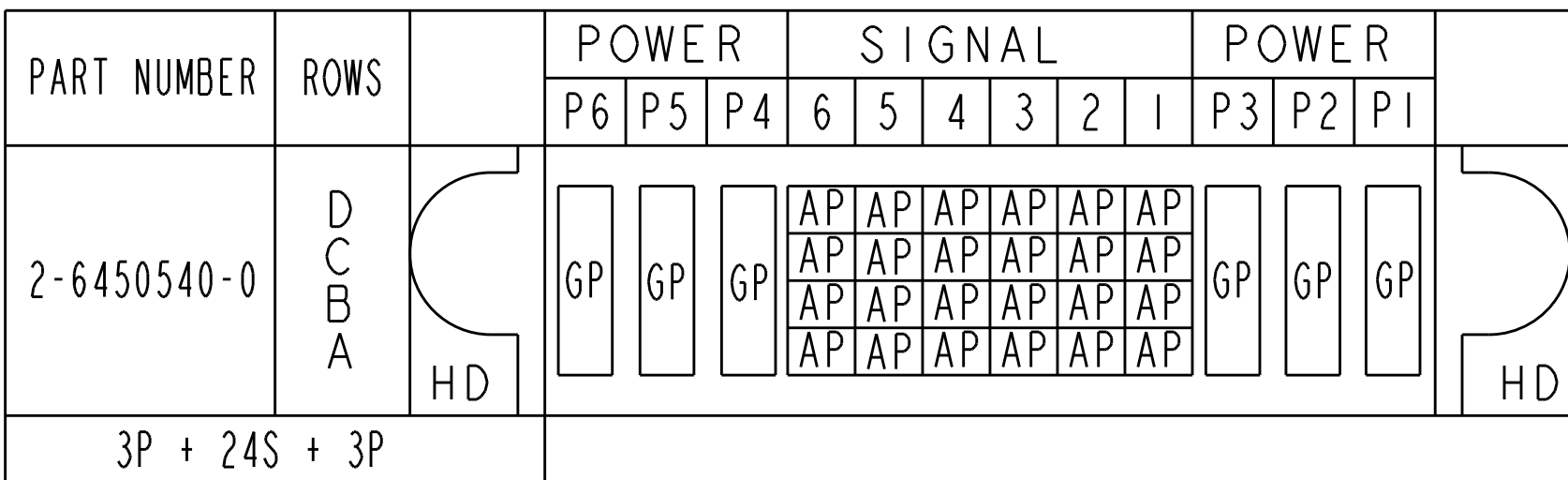
TE TE Connectivity

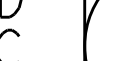
VERTICAL RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

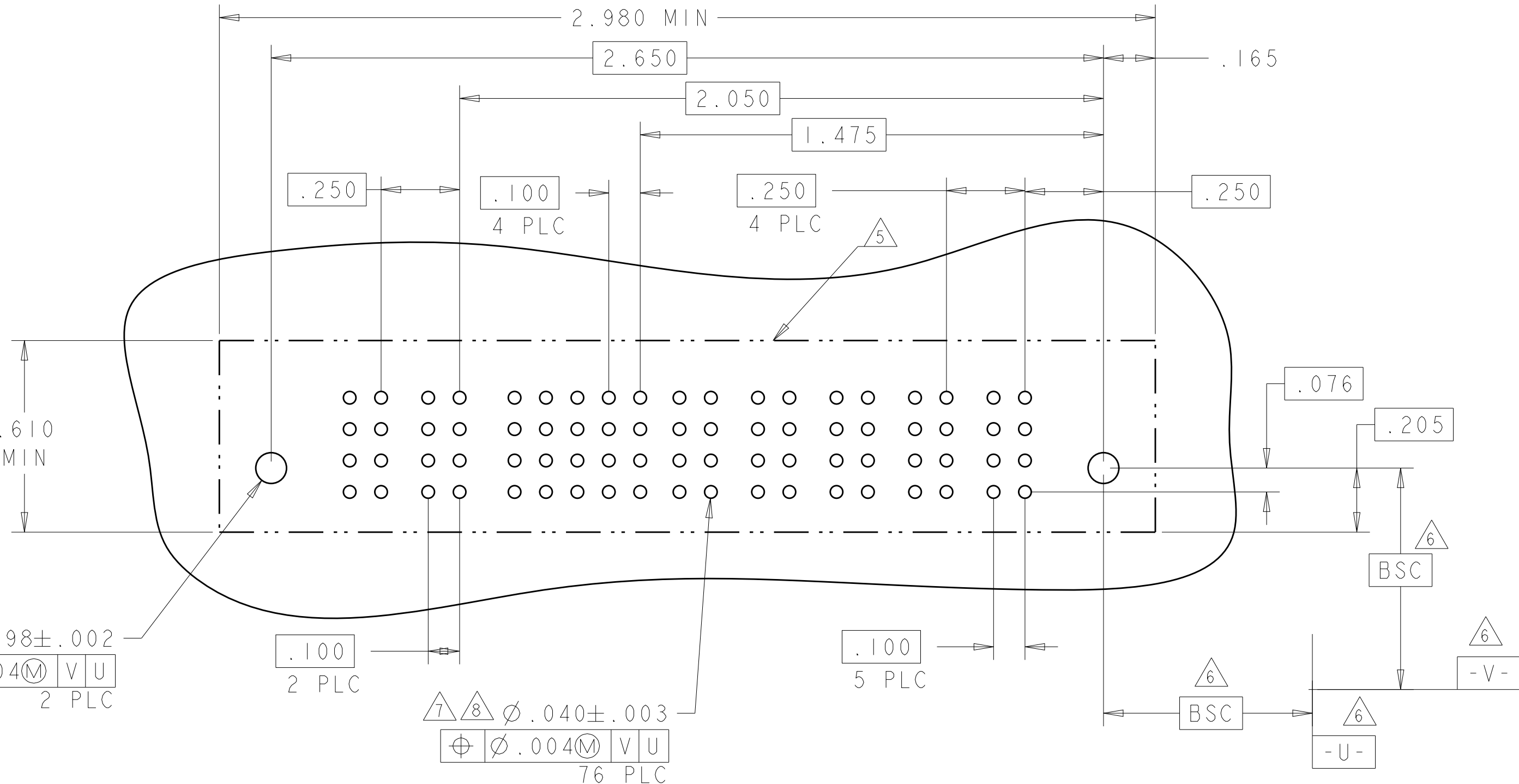
A100779C=6450540

PART NUMBER	ROWS		POWER	SIGNAL							POWER																					
			P2	6	5	4	3	2	1	P1																						
6450540-7	D C B A		GP <table><tr><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td></tr><tr><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td></tr><tr><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td></tr><tr><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td></tr></table> GP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	
AP	AP	AP	AP	AP	AP	AP																										
AP	AP	AP	AP	AP	AP	AP																										
AP	AP	AP	AP	AP	AP	AP																										
AP	AP	AP	AP	AP	AP	AP																										
1P + 24S + 1P																																

4805 (3/11)



PART NUMBER	ROWS		POWER		SIGNAL					POWER						
			P7	P6	5	4	3	2	1	P5	P4	P3	P2	P1		
4-6450540-3	D C B A	 HD			AP	AP	AP	AP	AP	AP						 HD
5P + 20S + 2P																

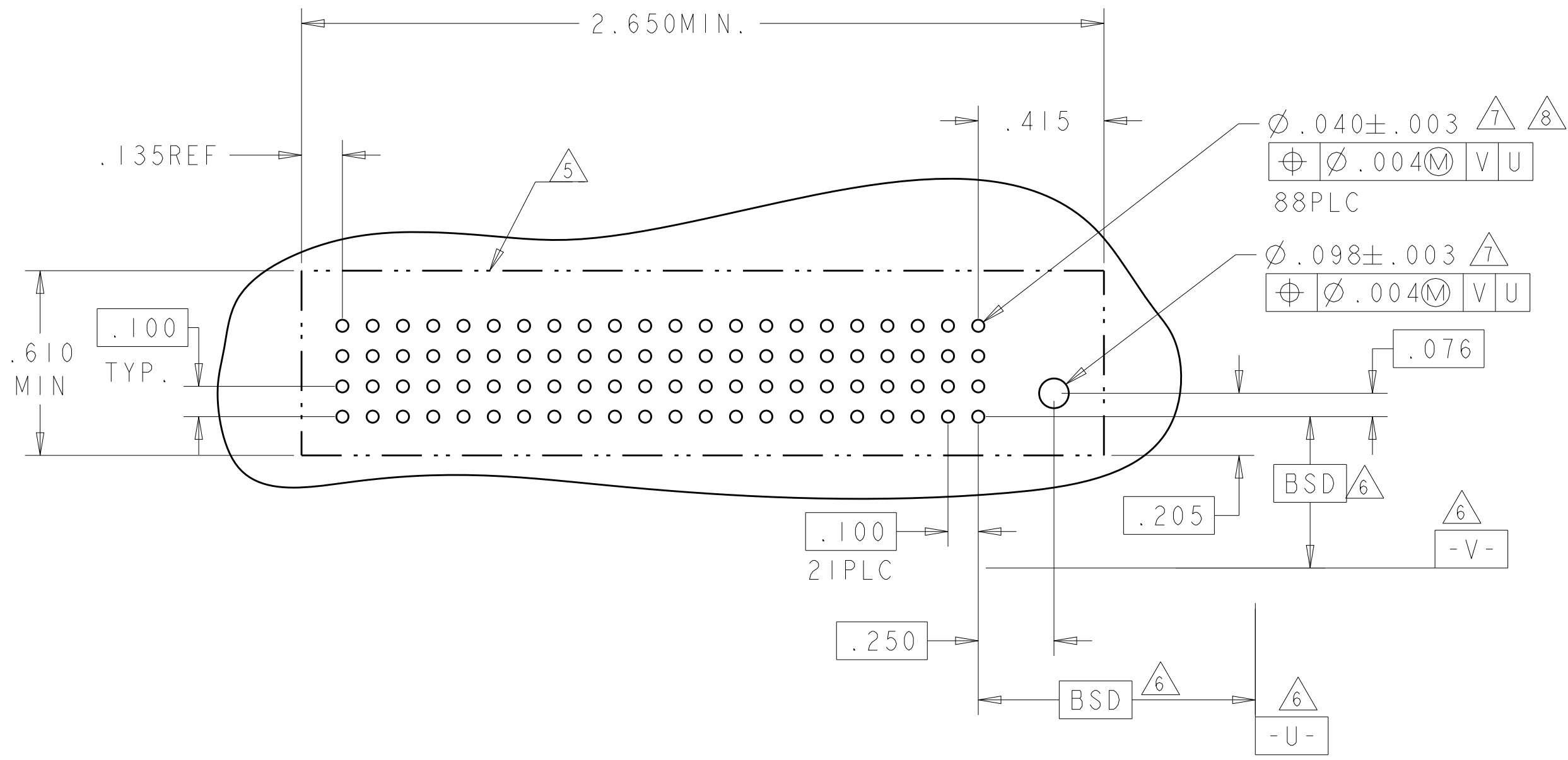


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWA R. GRZYBOWSKI 29APR05		 TE Connectivity	
		CHP M. PERCHERKE 29APR05			
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ±.001		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		2 PLC ±.01			
		3 PLC ±.005			
		4 PLC ±.0020			
ANGLES		FINISH		SIZE	
				CASE CODE	
				DRAWING NO	
				RESTRICTED TO	
MATERIAL		WEIGHT		A1 00779C-6450540	
				-	
		CUSTOMER DRAWING		SCALE	
				2:1	
				SHEET	
				8 of 19	
				REV	
				K9	

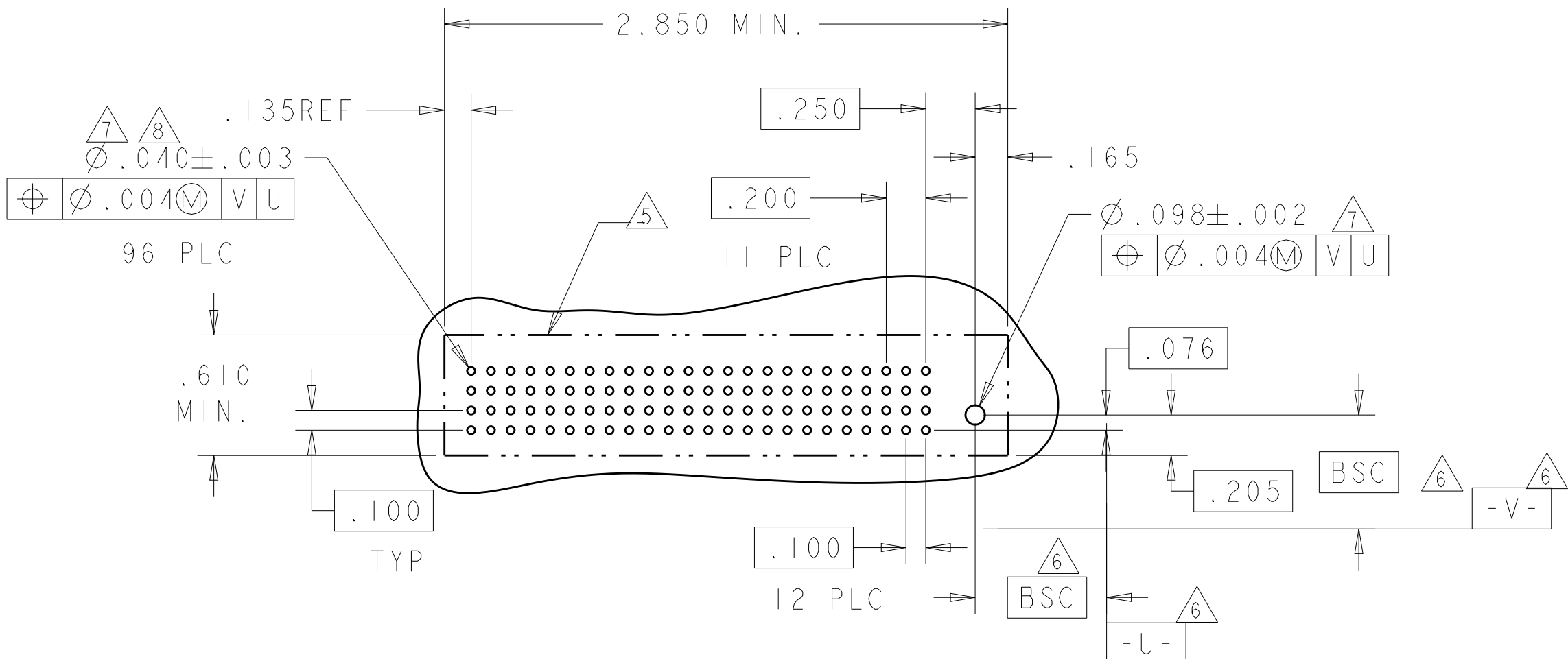
Technical drawing of a mechanical part, likely a nozzle or probe, showing dimensions and tolerances. The part is cylindrical with a rounded end. Key dimensions include a total length of 7.500 MIN, a diameter of .098 ± .003, and a hole diameter of .040 ± .003. Surface finish requirements are indicated by '4' and '6' symbols. Material and heat treatment specifications are given as '280PLC' and '29PLC'. The drawing also shows a .610 MIN. feature and a .077 feature. The part is labeled with 'BSD' and 'V-' symbols.

[illegible]4805 (3/11)

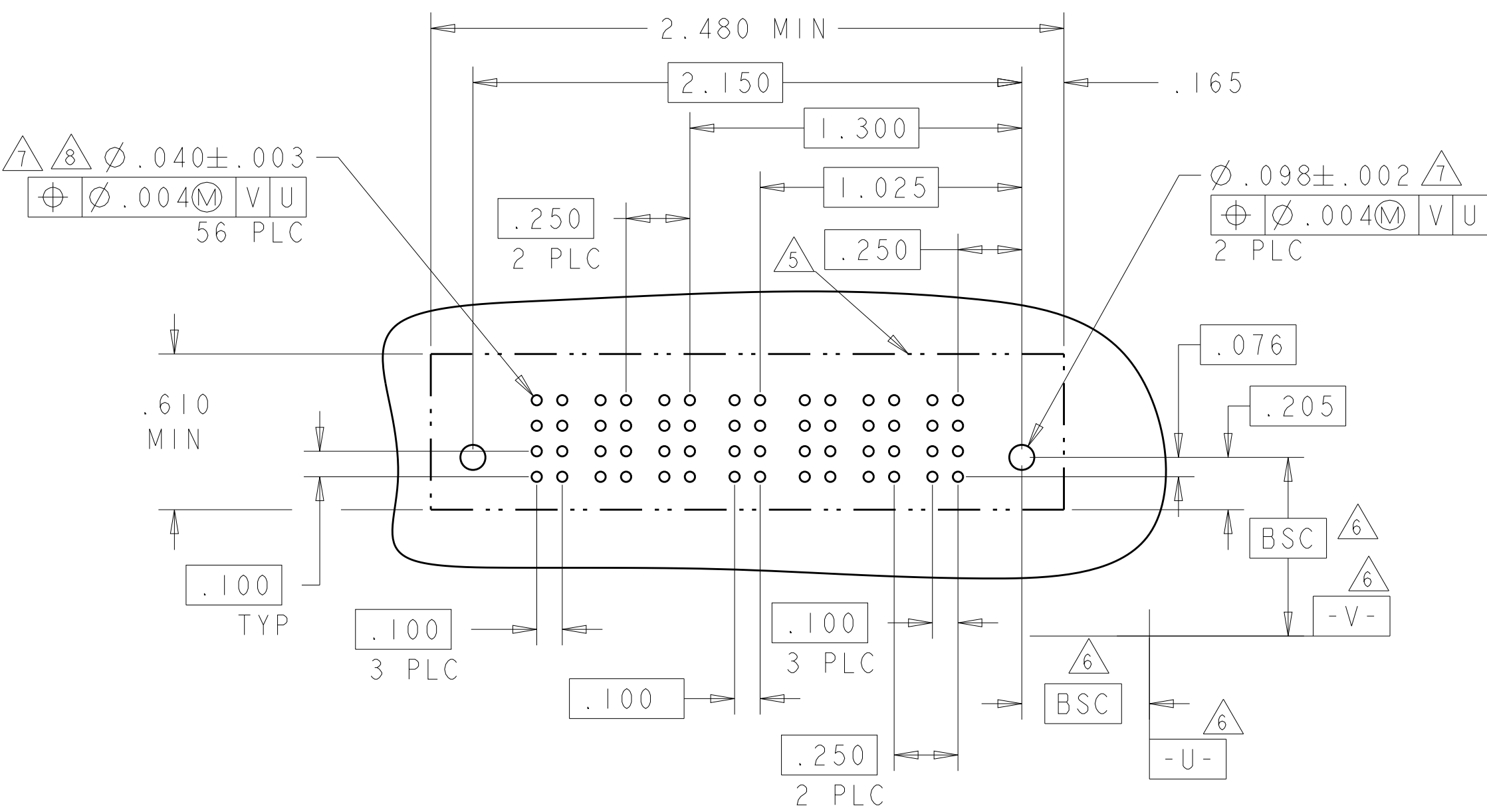
PART NUMBER	ROWS	POWER										
		P11	P10	P9	P8	P7	P6	P5	P3	P2	P1	
4-6450540-2	D C B A	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	
11HDP												

4805 (3/11)

PART NUMBER	ROWS	POWER											
		P12	P11	P10	P9	P8	P7	P6	P5	P3	P2		P1
4-6450540-5	DC CB A	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	HD
12HDP													



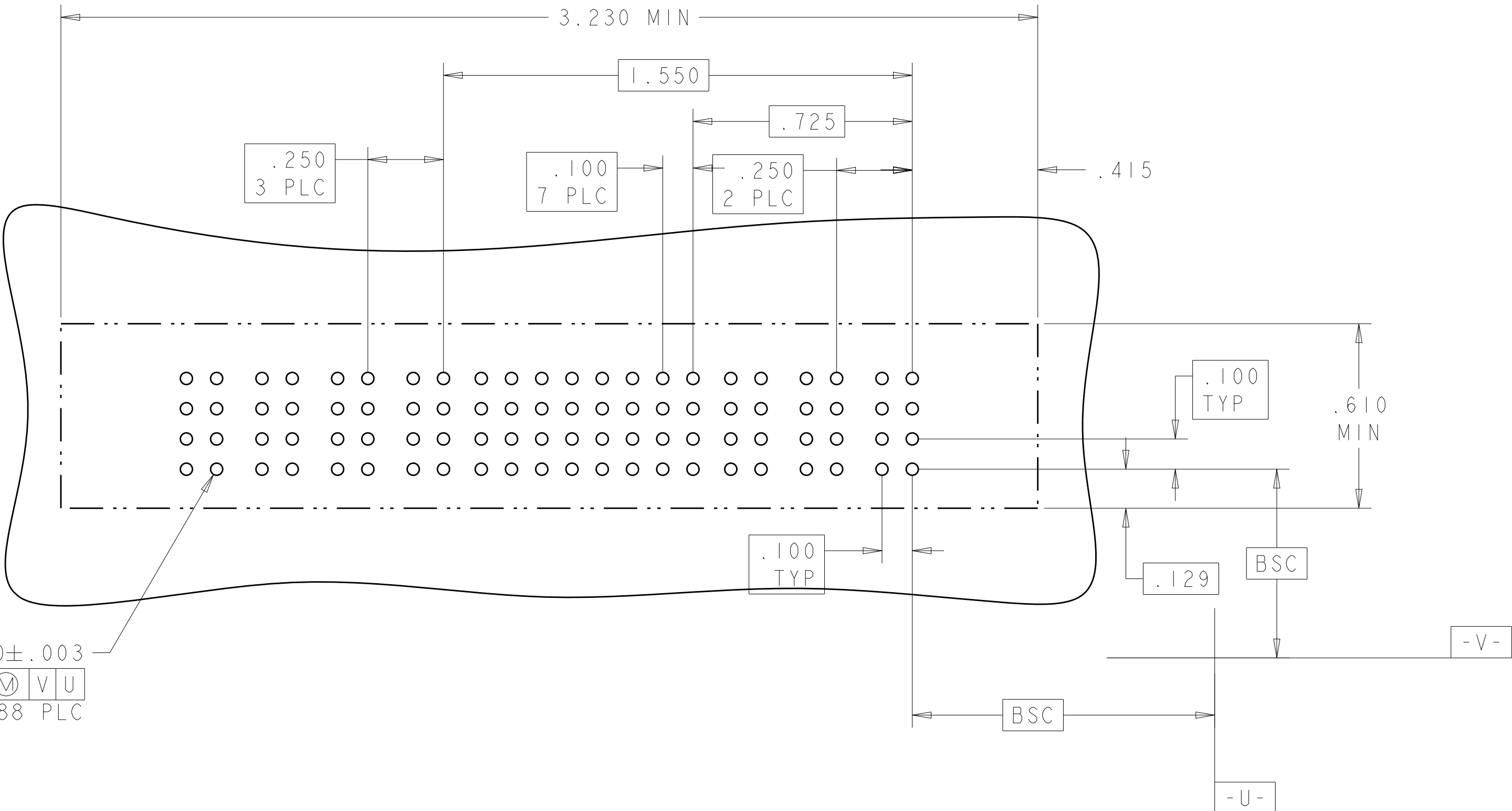
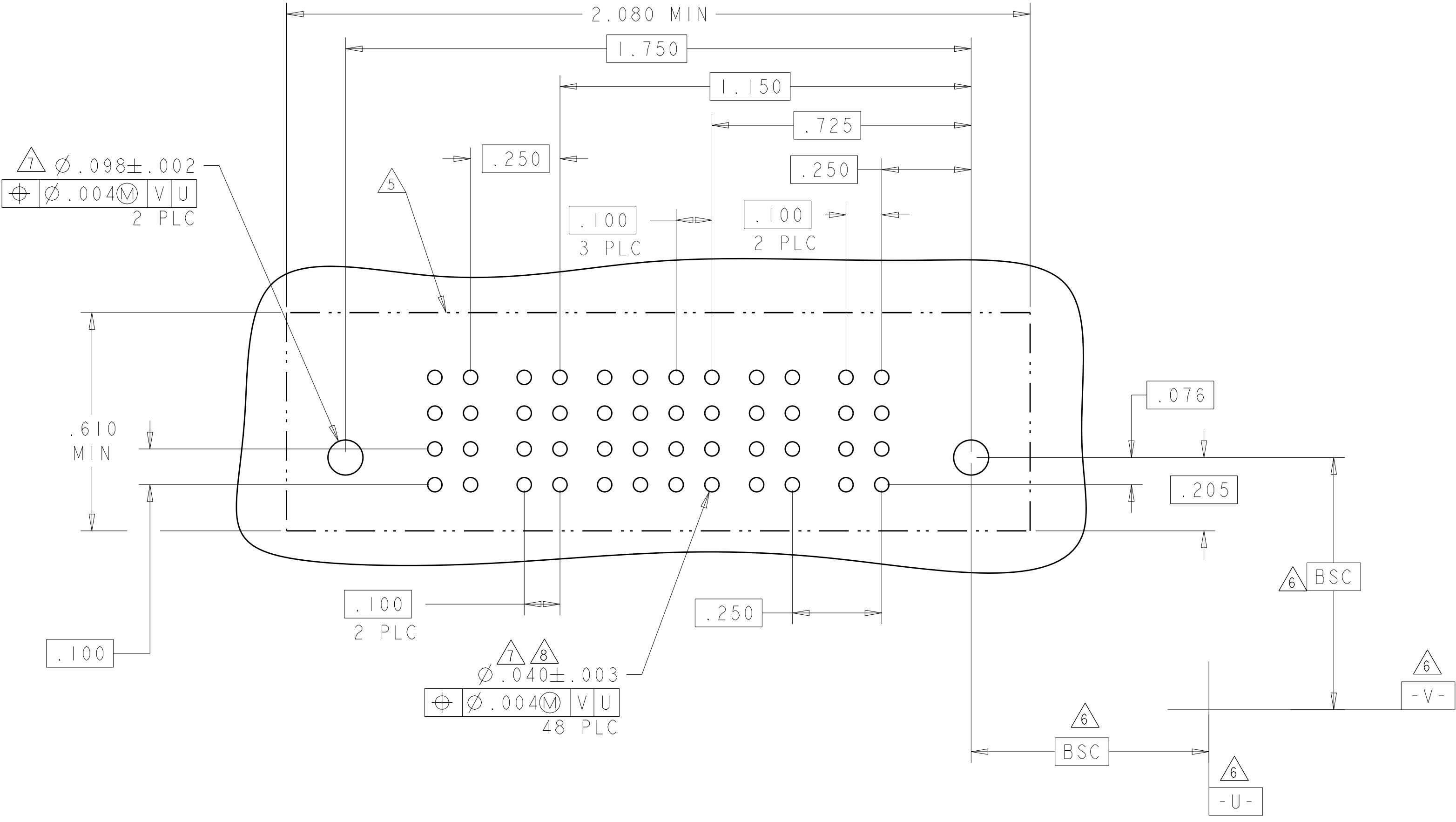
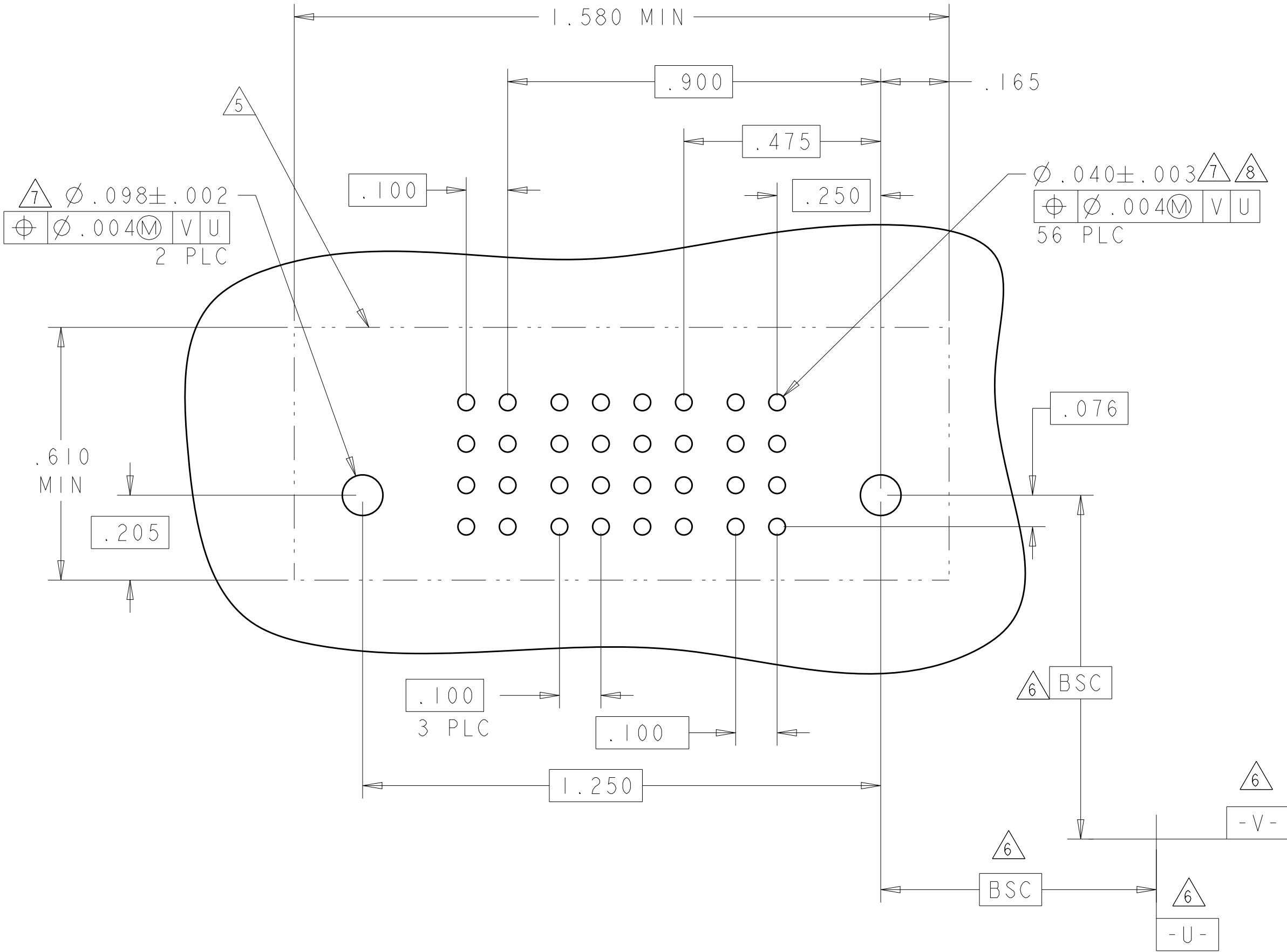
PART NUMBER	ROWS		POWER			SIGNAL		POWER			
			P6	P5	P4	2	1	P3	P2	P1	
4-6450540-7	D C B A										
3P + 8S + 3P											

4805 (3/11)

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

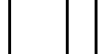
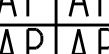
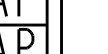
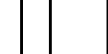
PART NUMBER	ROWS		POWER		SIGNAL				POWER		
			P2		4	3	2	1	P1		
4-6450540-8	D C B A		GS	AP	AP	AP	AP	AP	AP	GS	
				AP	AP	AP	AP	AP	AP		
				AP	AP	AP	AP	AP	AP		
				AP	AP	AP	AP	AP	AP		
IP + 16S + 1P											

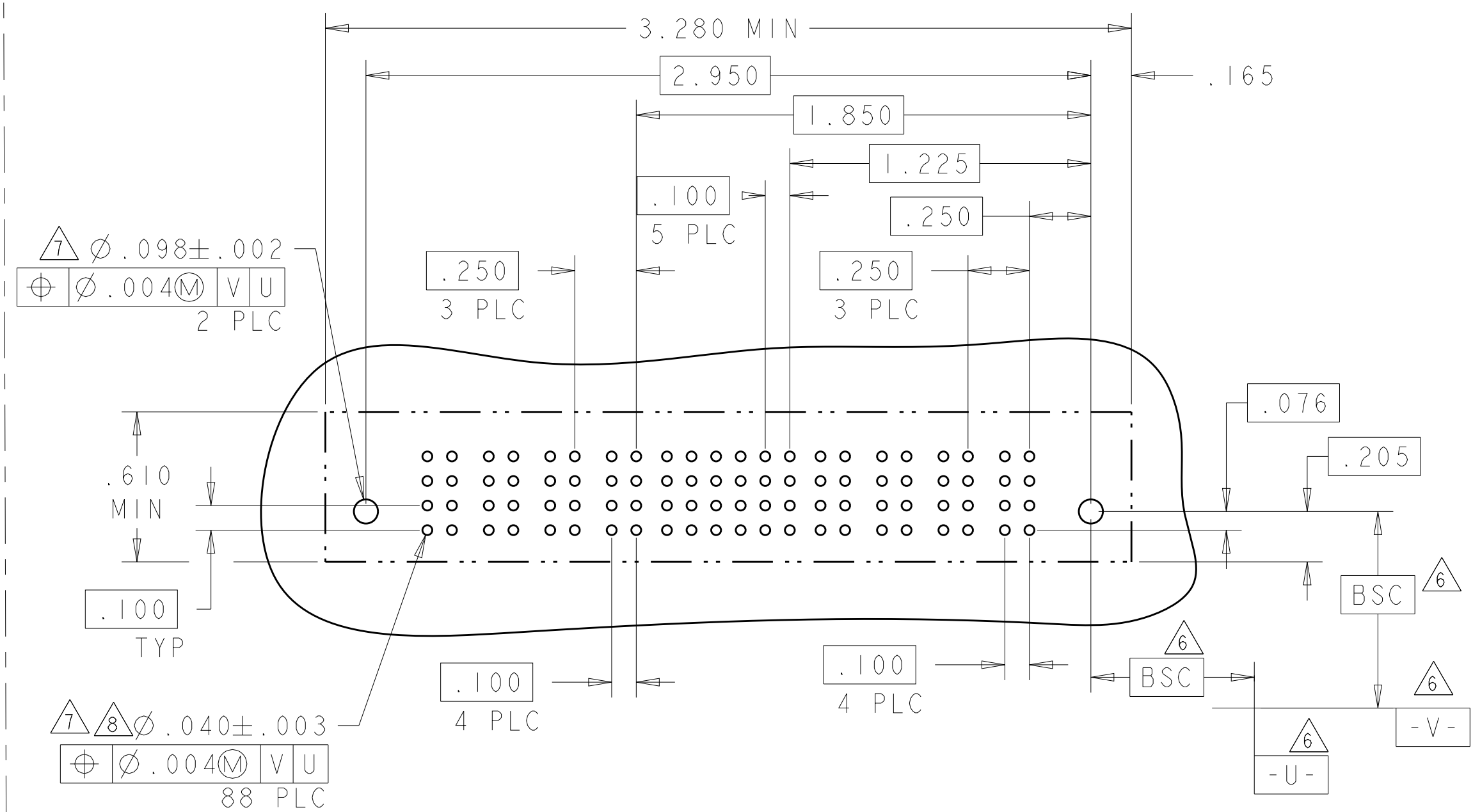
PART NUMBER	ROWS		POWER		SIGNAL				POWER			
			P4	P3	4	3	2	1	P2	P1		
5-6450540-1	D C B A				AP	AP	AP	AP	AP			
					AP	AP	AP	AP	AP			
					AP	AP	AP	AP	AP			
					AP	AP	AP	AP	AP			
2P + 16S + 2P												



PART NUMBER	ROWS		POWER				SIGNAL								POWER			
			P7	P6	P5	P4	8	7	6	5	4	3	2	1	P3	P2	P1	
1-6450540-1	D C B A						P	P	P	P	P	P	P	P				
							P	P	P	P	P	P	P	P				
							P	P	P	P	P	P	P	P				
							P	P	P	P	P	P	P	P				
3P + 32S + 4P																		

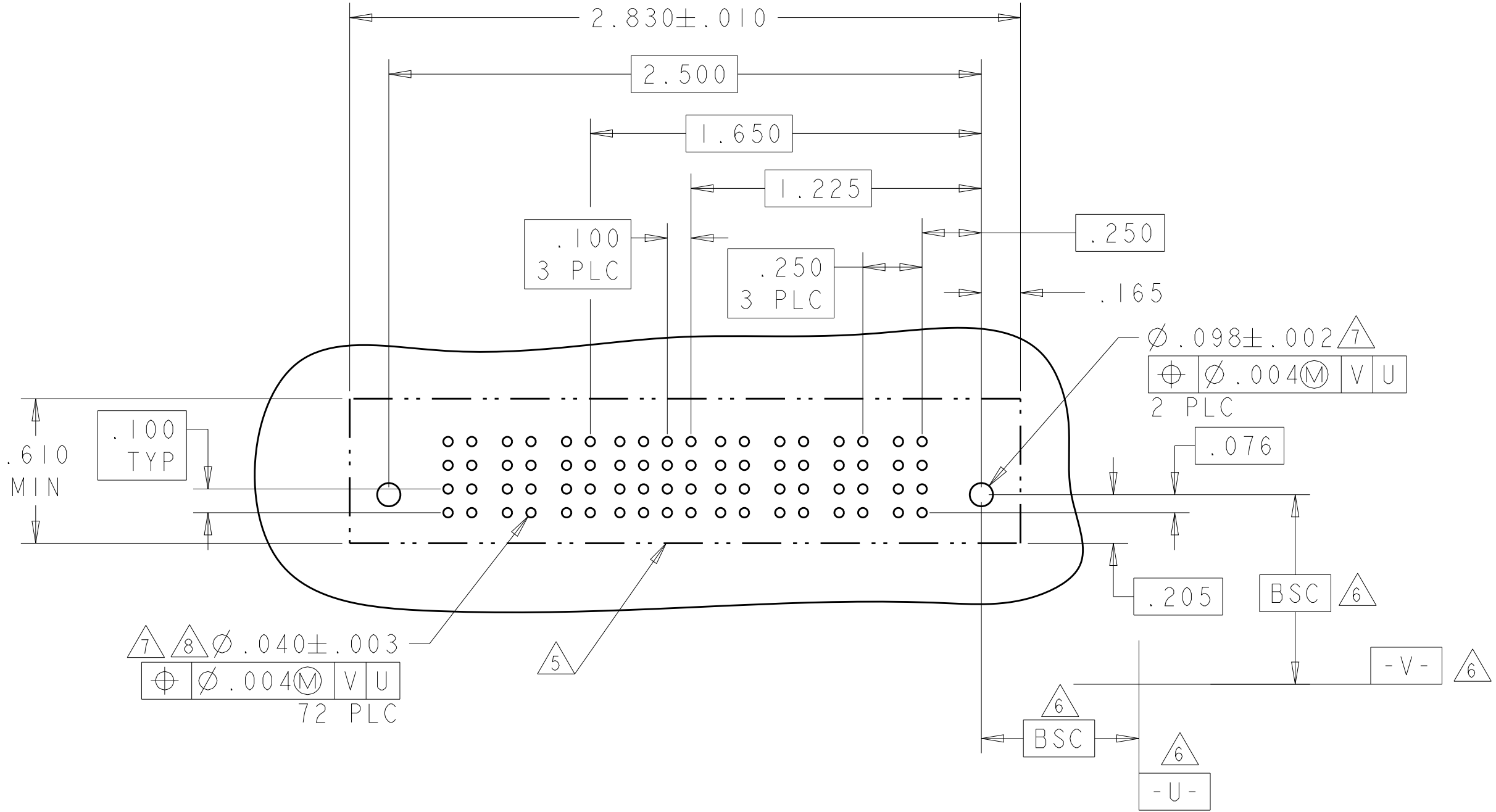
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 29APR05	TE Connectivity	
DIMENSIONS: INCHES		CHK M.PERCHEKKE 29APR05		
		APVD M.PERCHEKKE	NAME	
		PRODUCT SPEC	VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
MATERIAL		TOLERANCES UNLESS OTHERWISE SPECIFIED:	SIZE	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2° FINISH	CAGE CODE DRAWING NO	
			RESTRICTED TO	
			A100779	
			C=6450540	
			REV K9	
			SCALE 2:1	
			SHEET 12 OF 19	
			CUSTOMER DRAWING	

PART NUMBER	ROWS		POWER				SIGNAL						POWER				
			P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
5-6450540-3	D C B A					AP	AP	AP	AP	AP	AP						
						AP	AP	AP	AP	AP	AP						
						AP	AP	AP	AP	AP	AP						
						AP	AP	AP	AP	AP	AP						
4P + 24S + 4P																	

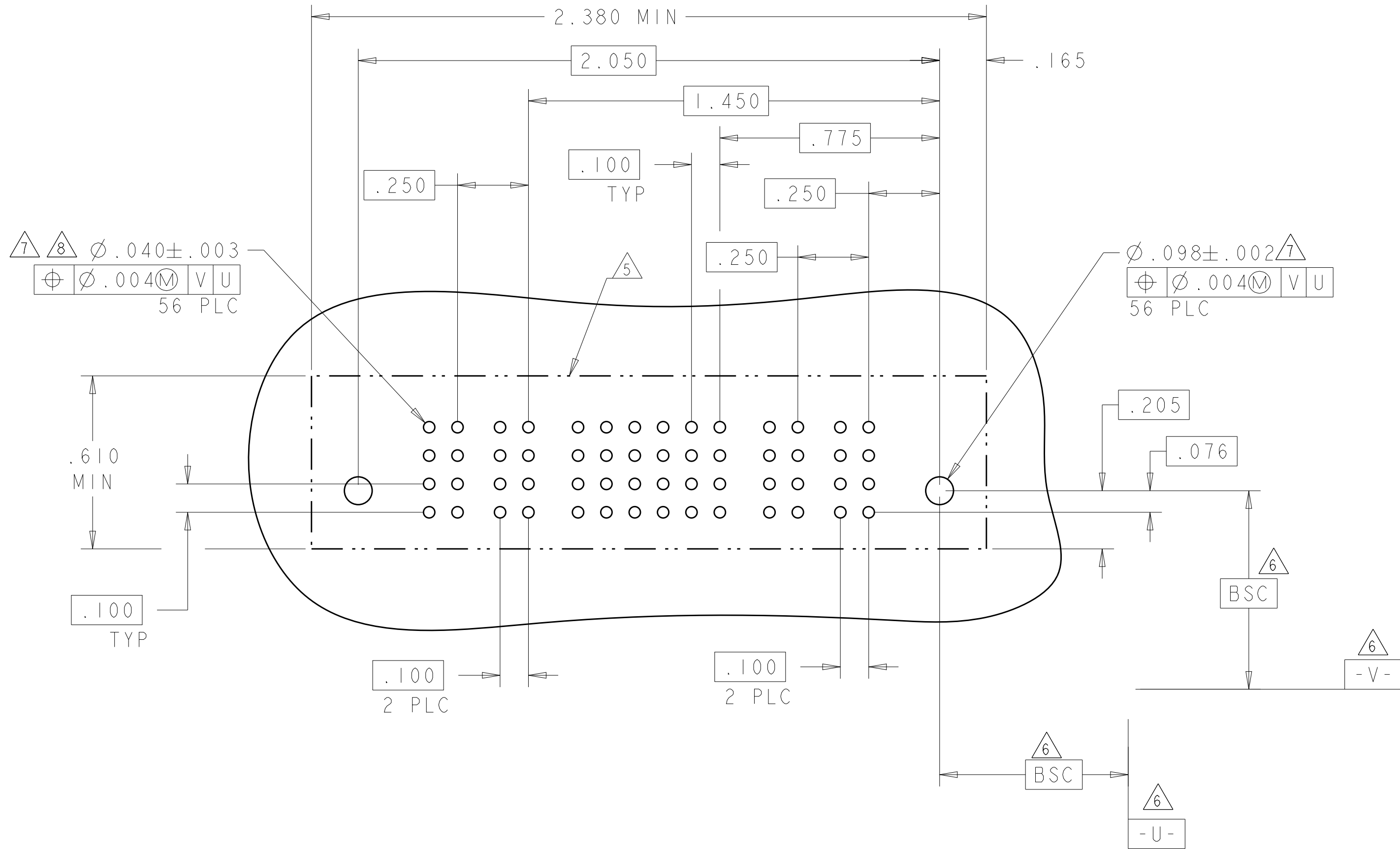
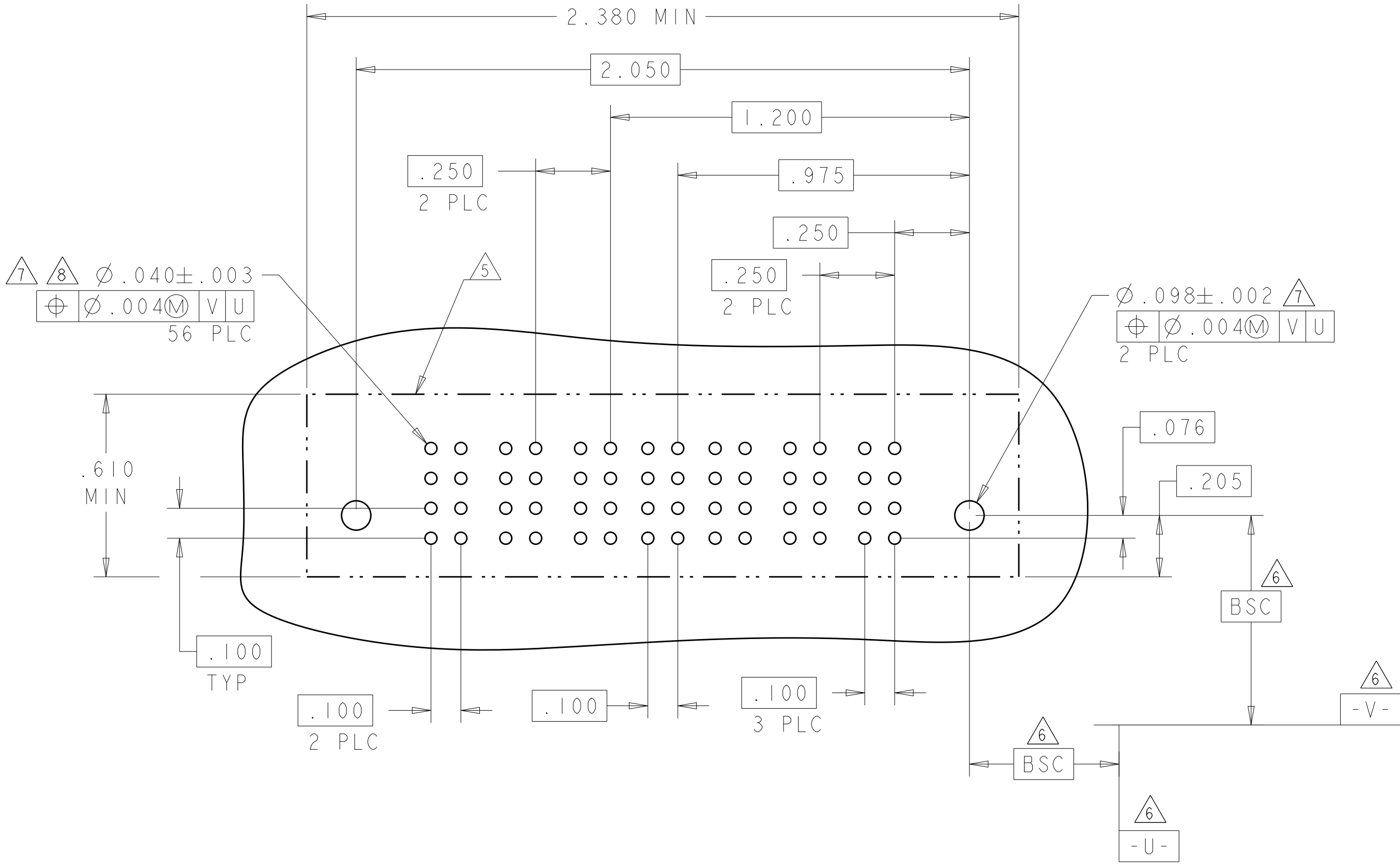


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 29APR05		 TE Connectivity	
DIMENSIONS:		CHK M. PERCHERRE 29APR05			
INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		APVD M. PERCHERRE			
0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°		PRODUCT SPEC 108-1973			
		APPLICATION SPEC 114-13038			
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
		WEIGHT -		A100779G-6450540 -	
CUSTOMER DRAWING		SCALE 2:1		SHEET 13 OF 19 REV K9	

PART NUMBER	ROWS		POWER			SIGNAL				POWER				
			P7	P6	P5	4	3	2	1	P4	P3	P2	P1	
5-6450540-4	D C B A				P	P	P	P	VS	VS	VS	VS		
					P	P	P	P						
					P	P	P	P						
					P	P	P	P						
4P + 16S + 3P														



PART NUMBER	ROWS		POWER			SIGNAL		POWER			
			P6	P5	P4	2	1	P3	P2	P1	
5-6450540-5	D C B A	HD				AP	AP				HD
						AP	AP				
						AP	AP				
						AP	AP				
3P + 8S + 3P											



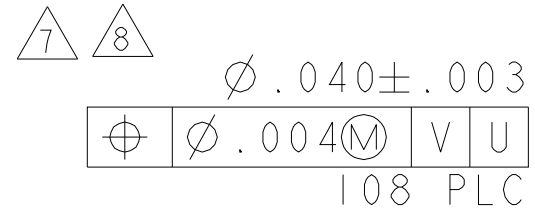
PART NUMBER	ROWS		POWER		SIGNAL						POWER		
			P4	P3	6	5	4	3	2	1	P2	P1	
5-6450540-9	D C B A	HD			AP	AP	AP	AP	AP	AP	AP		
					AP	AP	AP	AP	AP	AP			
					AP	AP	AP	AP	AP	AP			
					AP	AP	AP	AP	AP	AP			
2P + 24S + 2P													

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

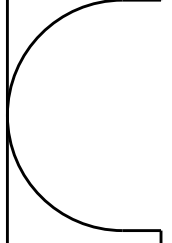
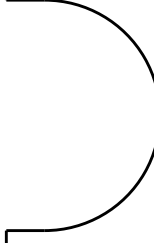
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	29APR05 29APR05	NAME	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
				108-1973	
				APPLICATION SPEC	
				114-13038	
				WEIGHT	
				CUSTOMER DRAWING	
				SCALE 2:1	
				SHEET 14 OF 19	
				REV K9	

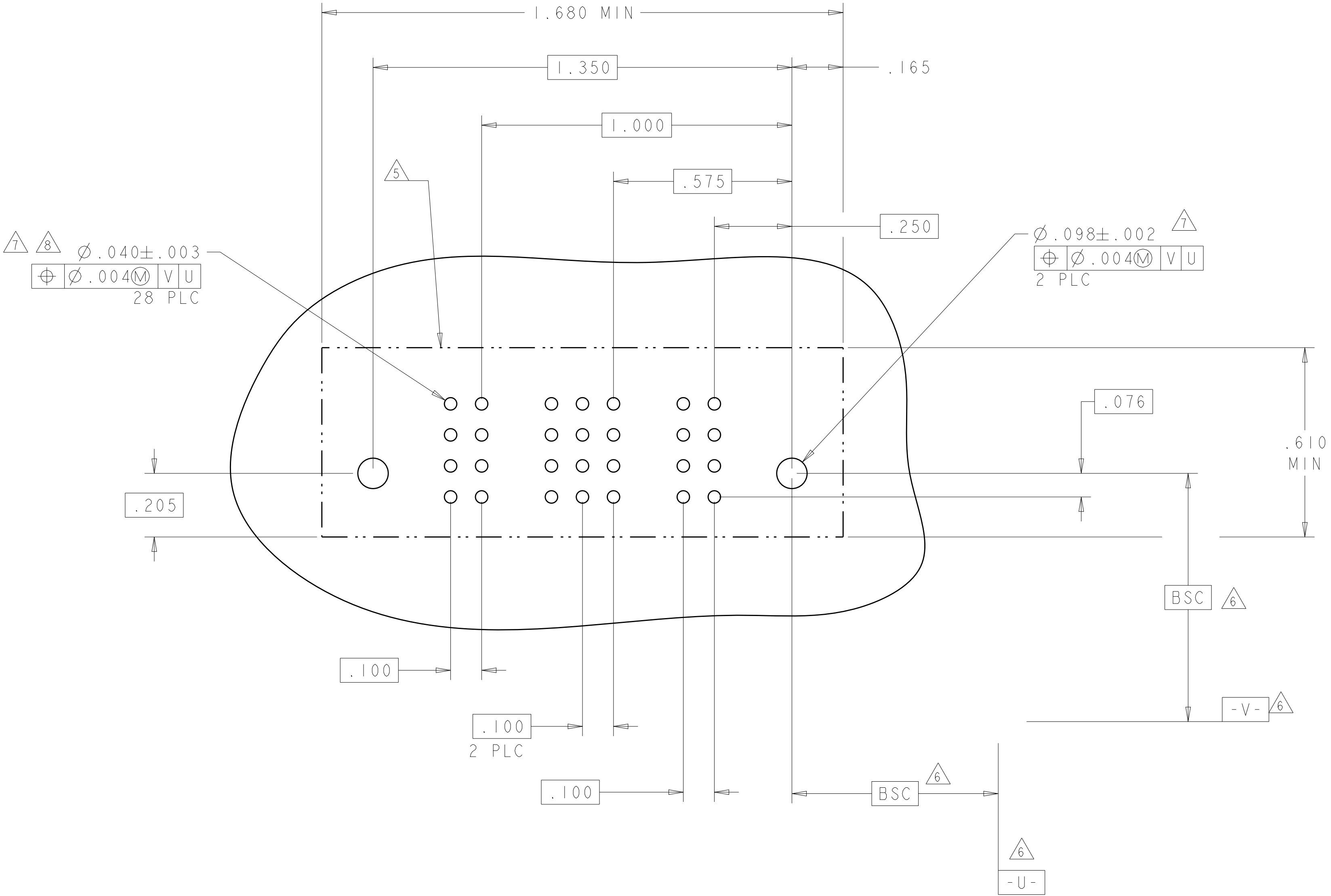
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4805 (3/11)

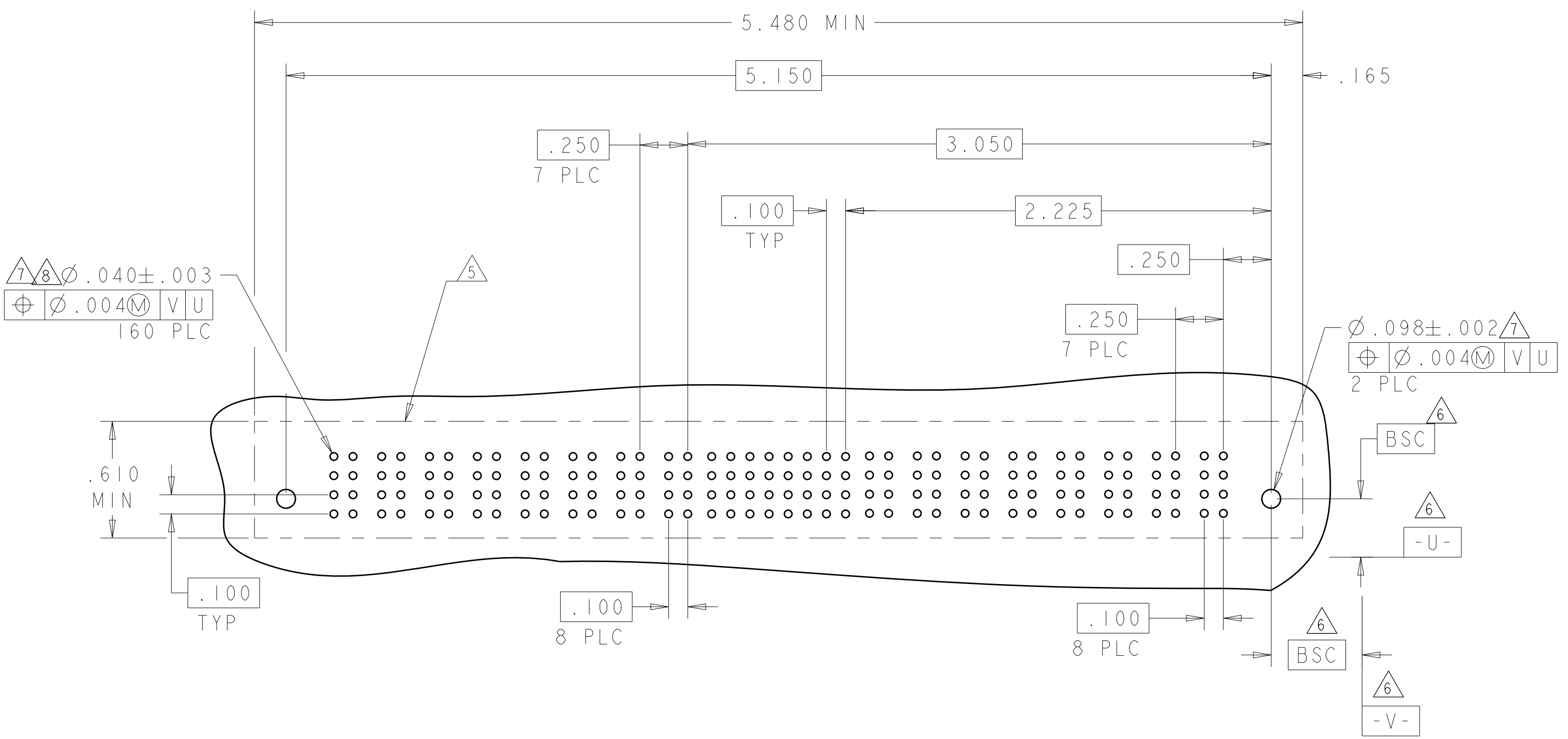
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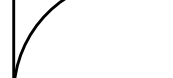
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

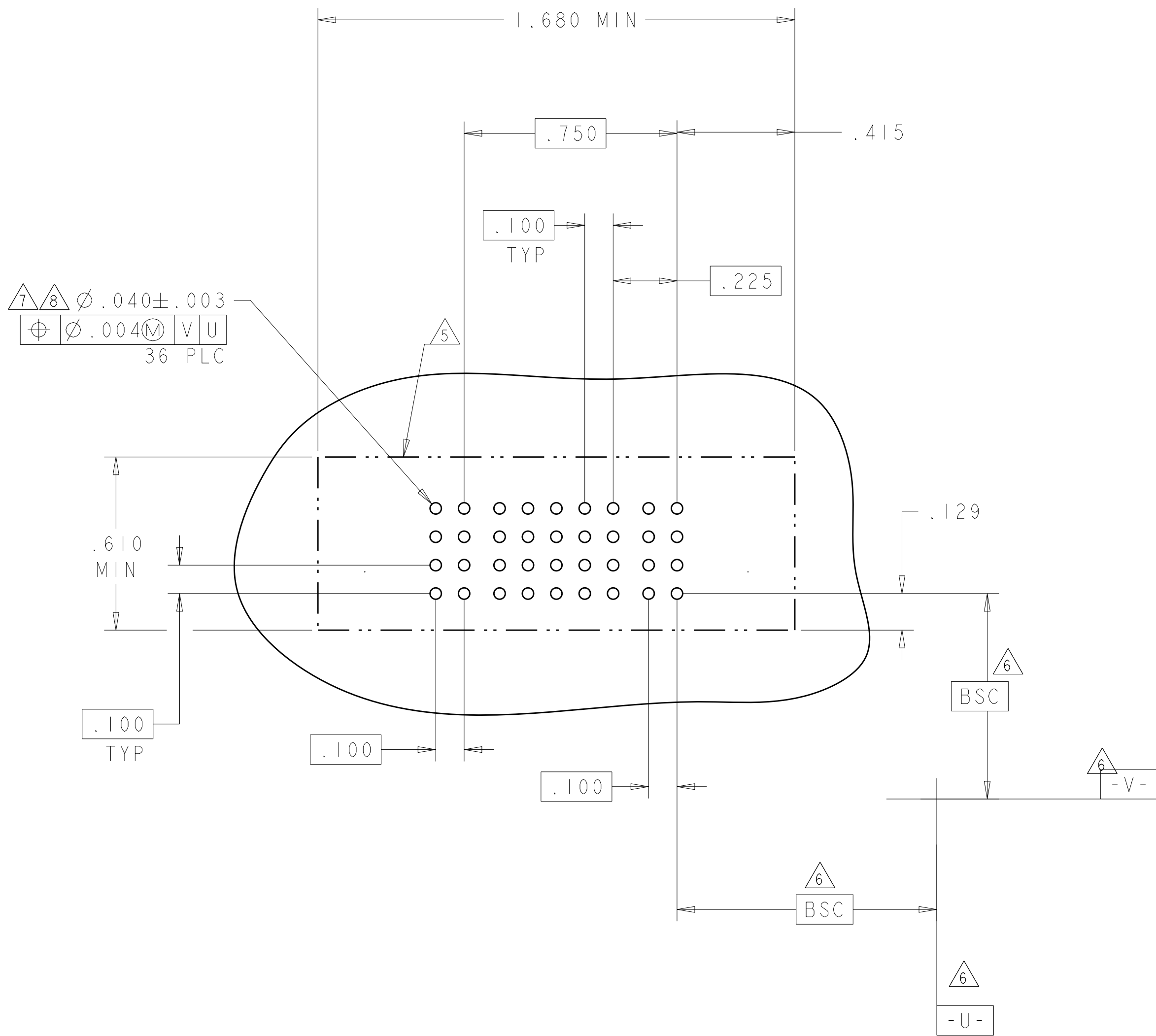
PART NUMBER	ROWS		POWER		SIGNAL						POWER		
			P2	5	4	3	2	1	PI				
6-6450540-2	D C B A	 				AP	AP	AP				 	
						AP	AP	AP					
						AP	AP	AP					
						AP	AP	AP					
IP + 20S + IP													



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	29APR05	 TE Connectivity		NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
DIMENSIONS: INCHES		CHK M.PERCHEKKE	29APR05				
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.PERCHEKKE	-	PRODUCT SPEC		SIZE A1	CAGE CODE 00779
		108-1973		APPLICATION SPEC			
		114-13038		WEIGHT			
		CUSTOMER DRAWING		SCALE			
		MATERIAL		SHEET			
		FINISH		2:1		17	
				OF		19	
				REV		K9	

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PART NUMBER	ROWS		POWER	S I G N A L						POWER	
			P2	5	4	3	2	1	P1		
6-6450540-6	D C B A		GS	AP	AP	AP	AP	AP	AP	GS	
IP + 20S + IP											

4805 (3/11)