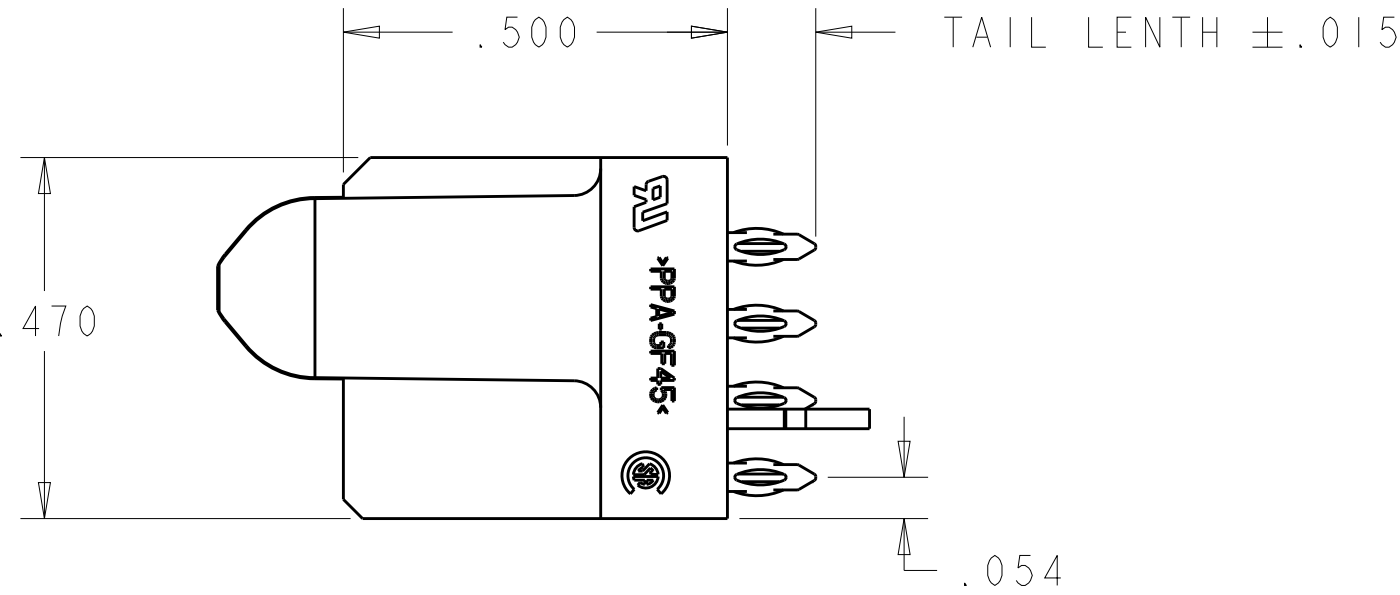
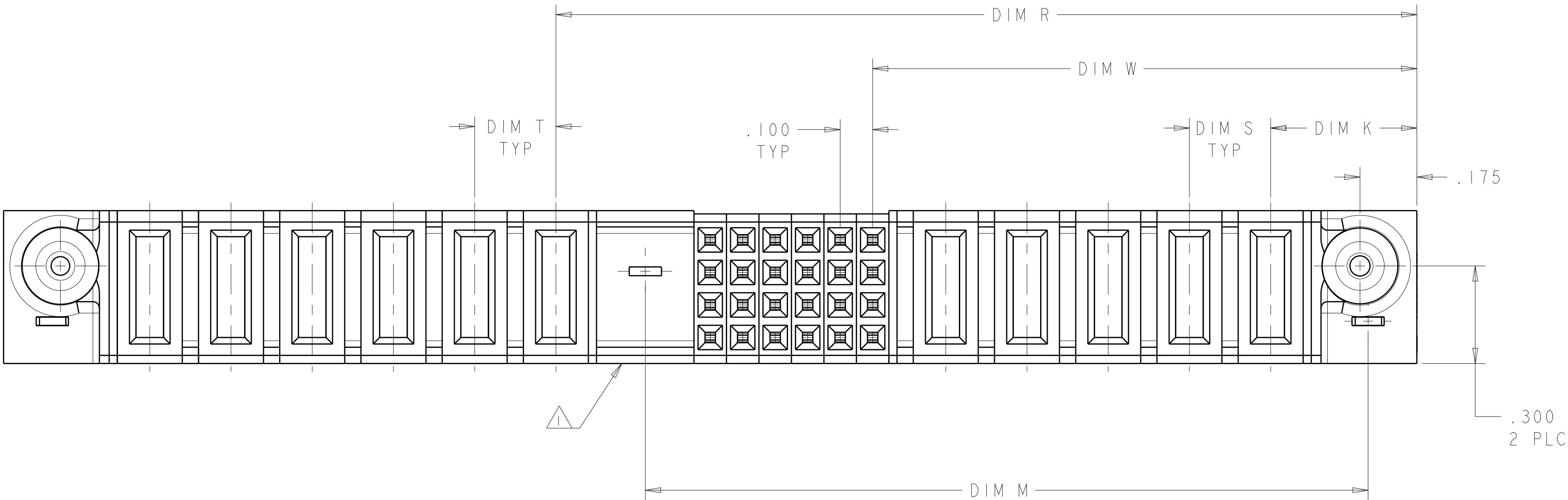
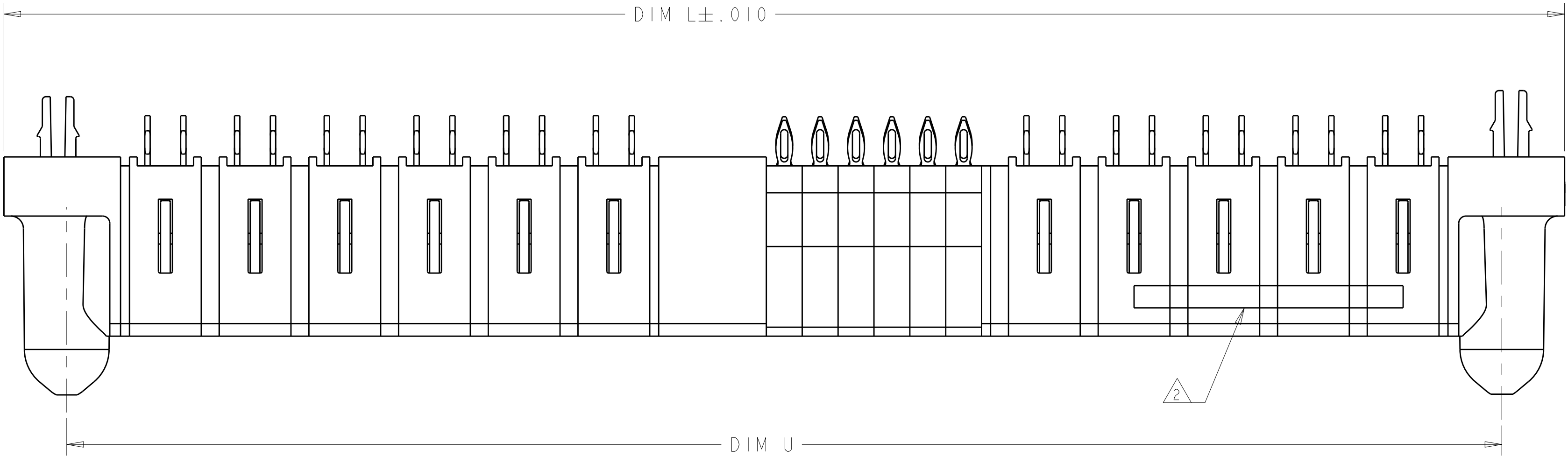
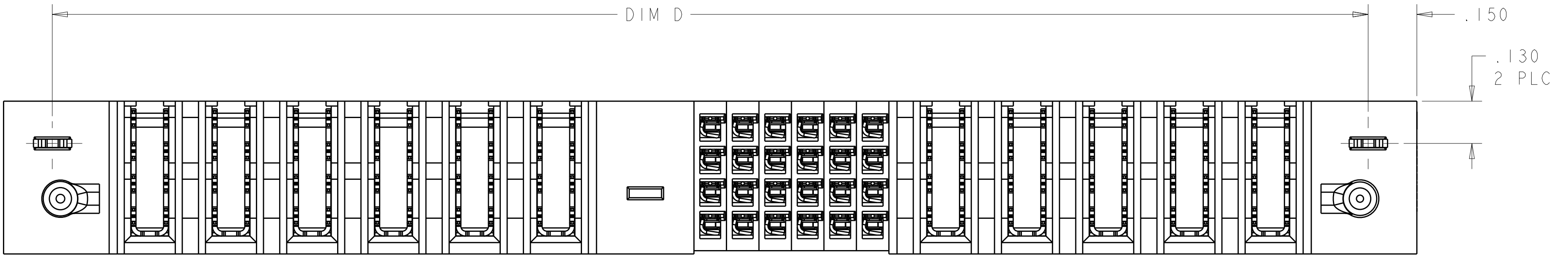


LOC		DIST		REVISIONS				
ES	00	P	LYR	DESCRIPTION	DATE	DWN	APVD	
		K9		REV PER ECR-12-018831	30OCT2012	AY	SZ	



- 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)

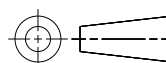
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 29APR05	TE Connectivity	VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL		
DIMENSIONS: INCHES		CHK M.PERCHERKE 29APR05				
		APVD W.PERCHERKE	NAME	SIZE	CAGE CODE	DRAWING NO
		PRODUCT SPEC		A1	00779	6450540
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		RESTRICTED TO		
0 PLC ±"		114-13038				
1 PLC ±.01		WEIGHT		SCALE	2:1	SHEET 1 OF 19
2 PLC ±.01		CUSTOMER DRAWING		REV	K9	
3 PLC ±.005						
4 PLC ±.0020						
ANGLES ±.2°						
FINISH						

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

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

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

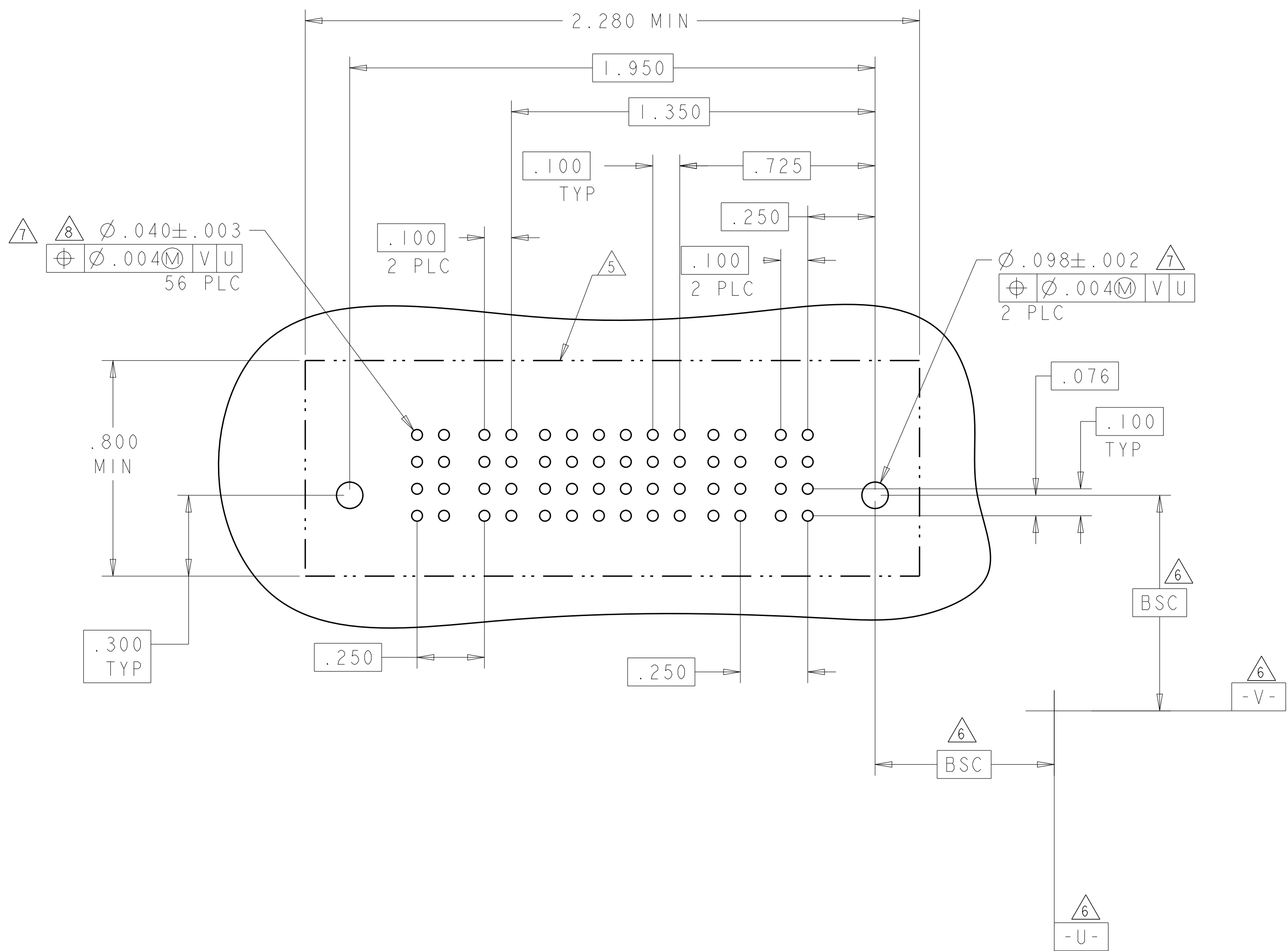
SHEET
2

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															

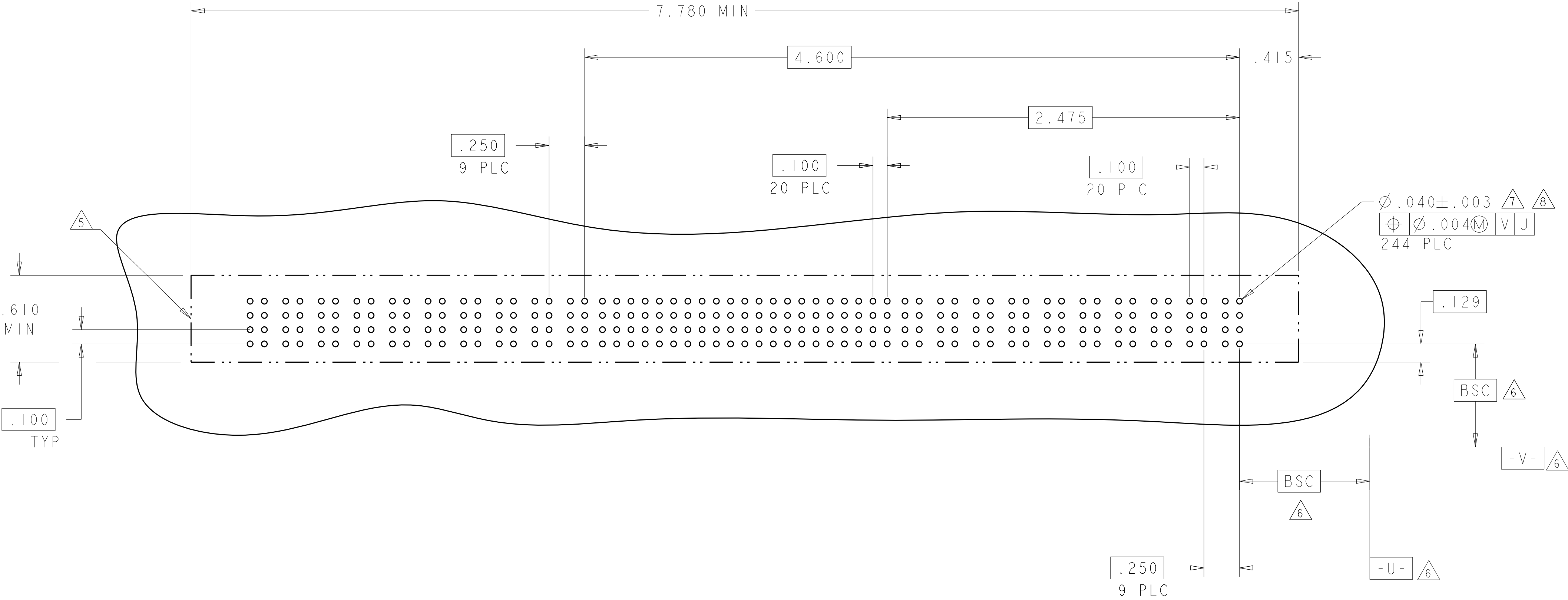


VS	STD POWER PRESSFIT CONTACT .115 LG
VP	MFBL POWER PRESSFIT CONTACT .115 LG
GS	STD POWER PRESSFIT CONTACT .135 LG
GP	MFBL POWER PRESSFIT CONTACT .135 LG
P	SIGNAL PRESSFIT CONTACT .115 LG
AP	SIGNAL PRESSFIT CONTACT .135 LG
CODE	TAIL LENGTH

4805 (3/11)

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

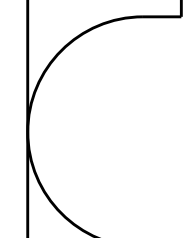
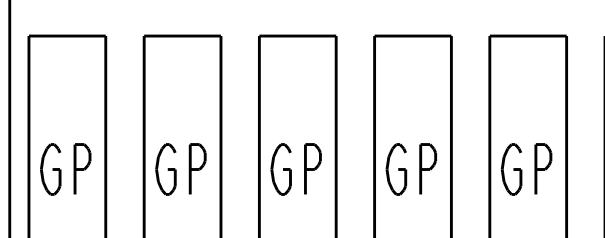
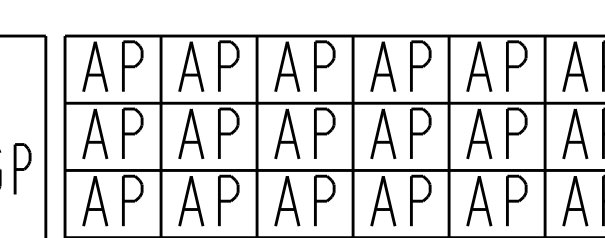
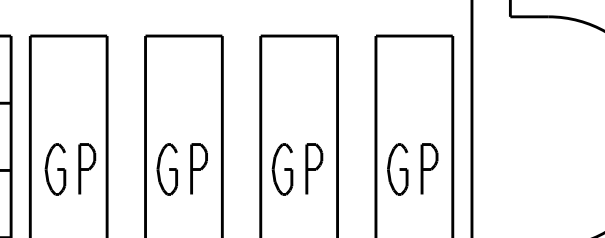
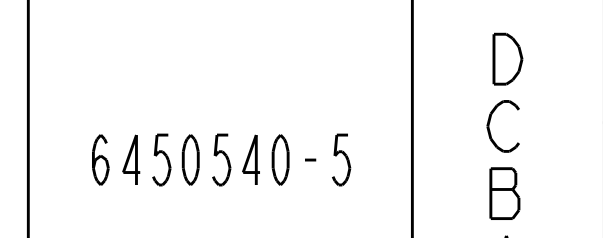
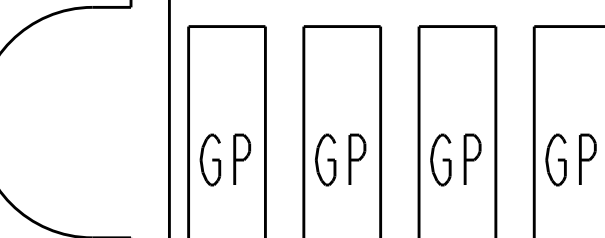
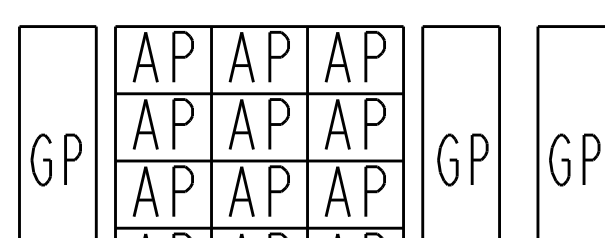
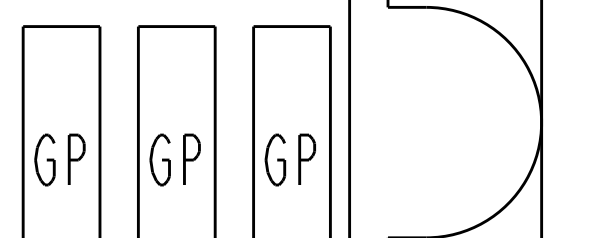
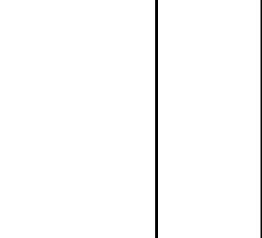
PART NUMBER	ROWS		POWER										SIGNAL																				POWER												
			P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	P10	P9	P8	P7	P6	P5	P4	P3	P2		P1	
6450540-3	D C B A																																												
10P + 84S + 10P																																													



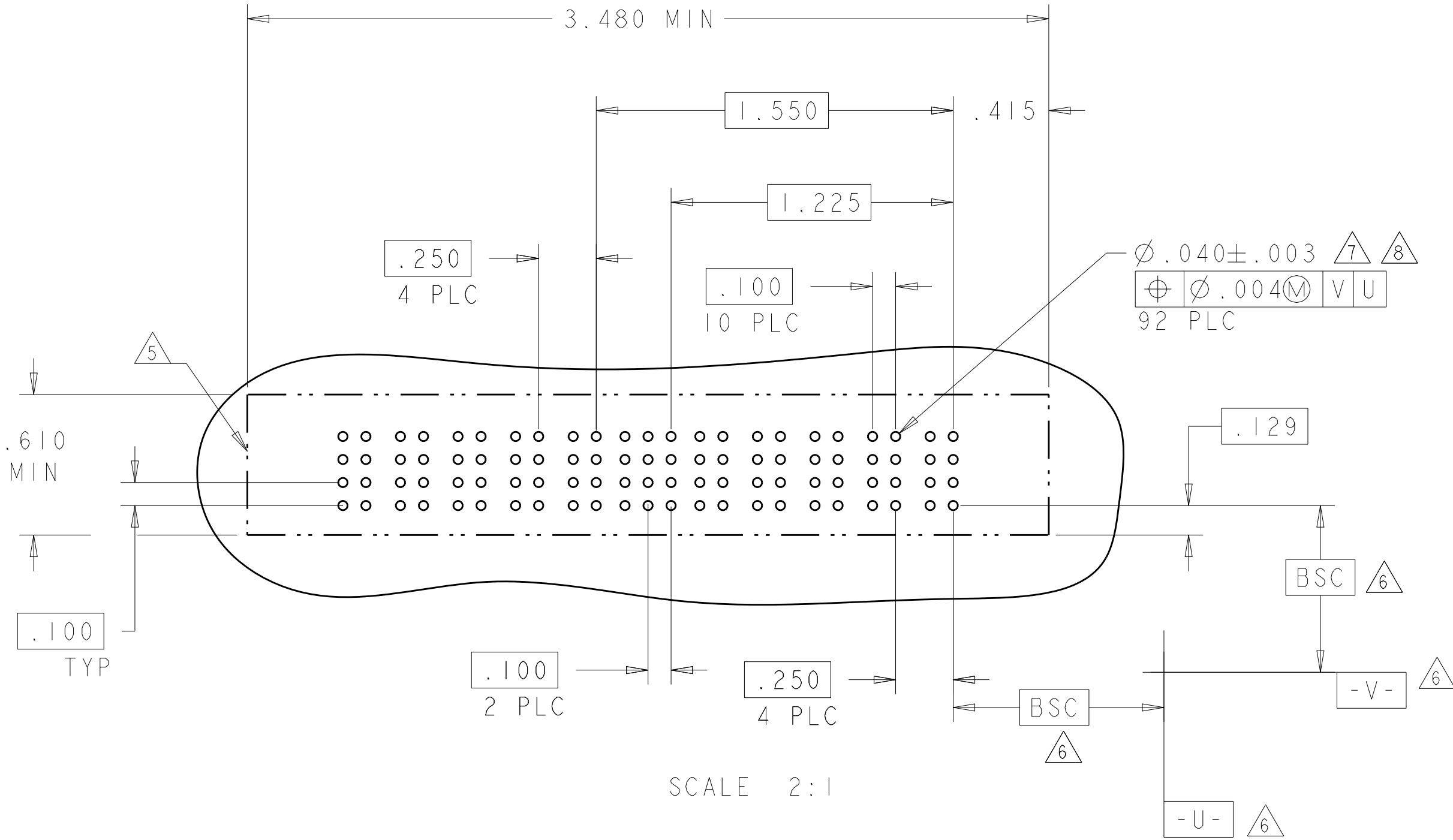
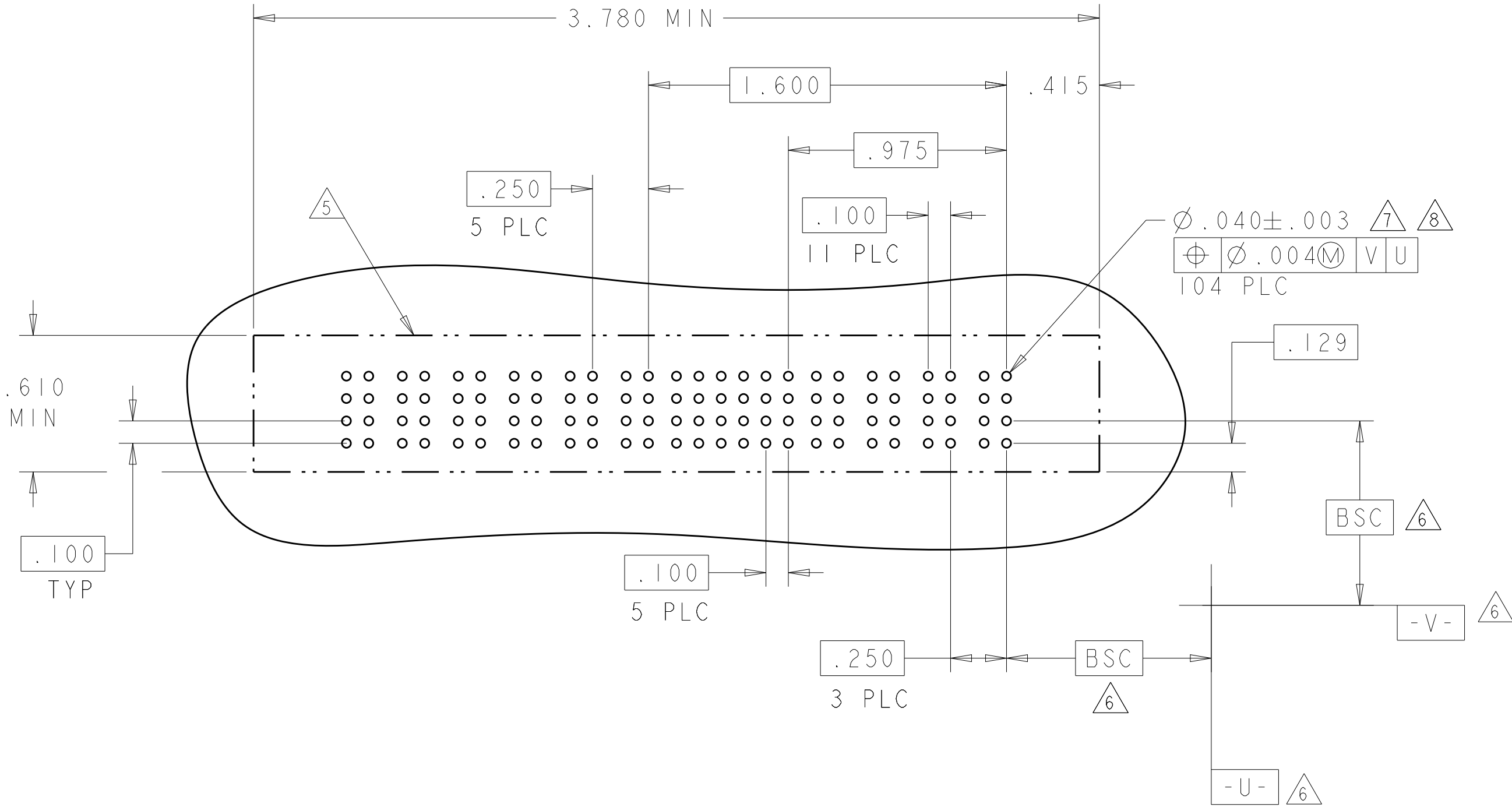
HP	MFBL POWER PRESSFIT CONTACT .165 LG
BP	SIGNAL PRESSFIT CONTACT .165 LG
GP	MFBL POWER PRESSFIT CONTACT .135 LG
AP	SIGNAL PRESSFIT CONTACT .135 LG
CODE	TAIL LENGTH
CONTACT TABLE	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI CHK M.PERCHEKKE APVD M.PERCHEKKE	29APR05 29APR05 -
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		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT -	
CUSTOMER DRAWING		NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
SCALE 2:1		SIZE A1	
SHEET 4		DRAWING NO. 00779	
REV K9		RESTRICTED TO -	
OF 19		CAGE CODE 6450540	

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																																																																																																																																																										

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			
4 PLC ±.0020			
ANGLES ±.0020			
FINISH			

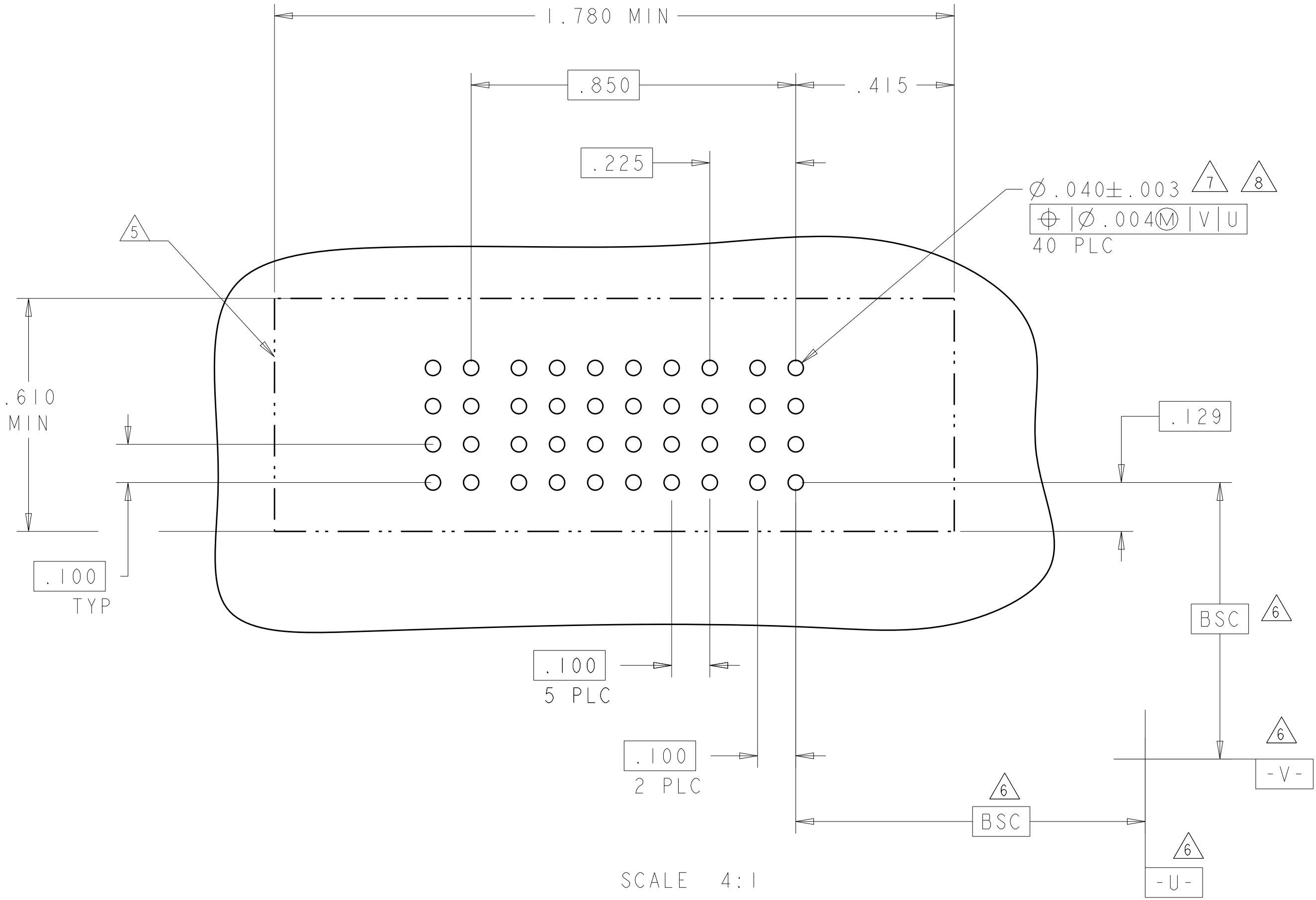
TE TE Connectivity

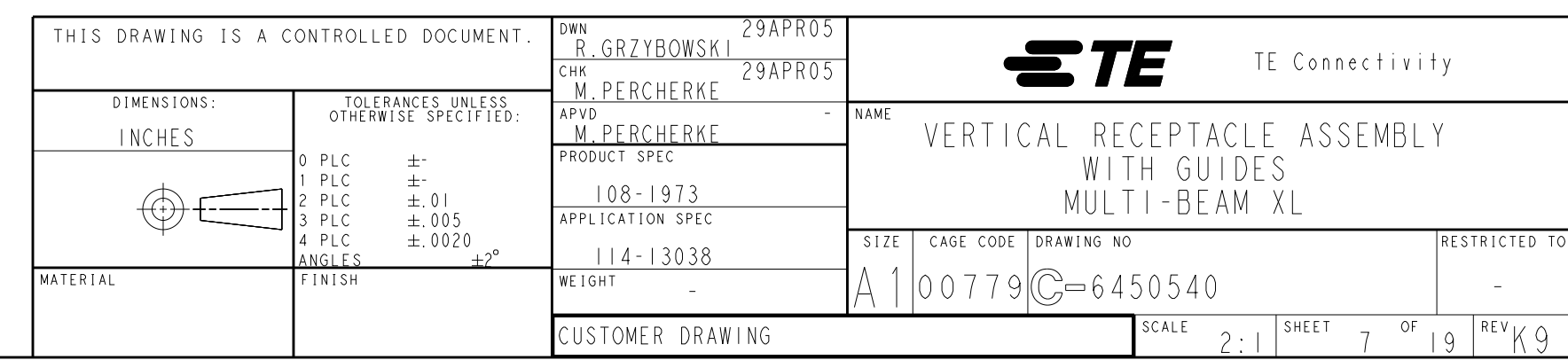
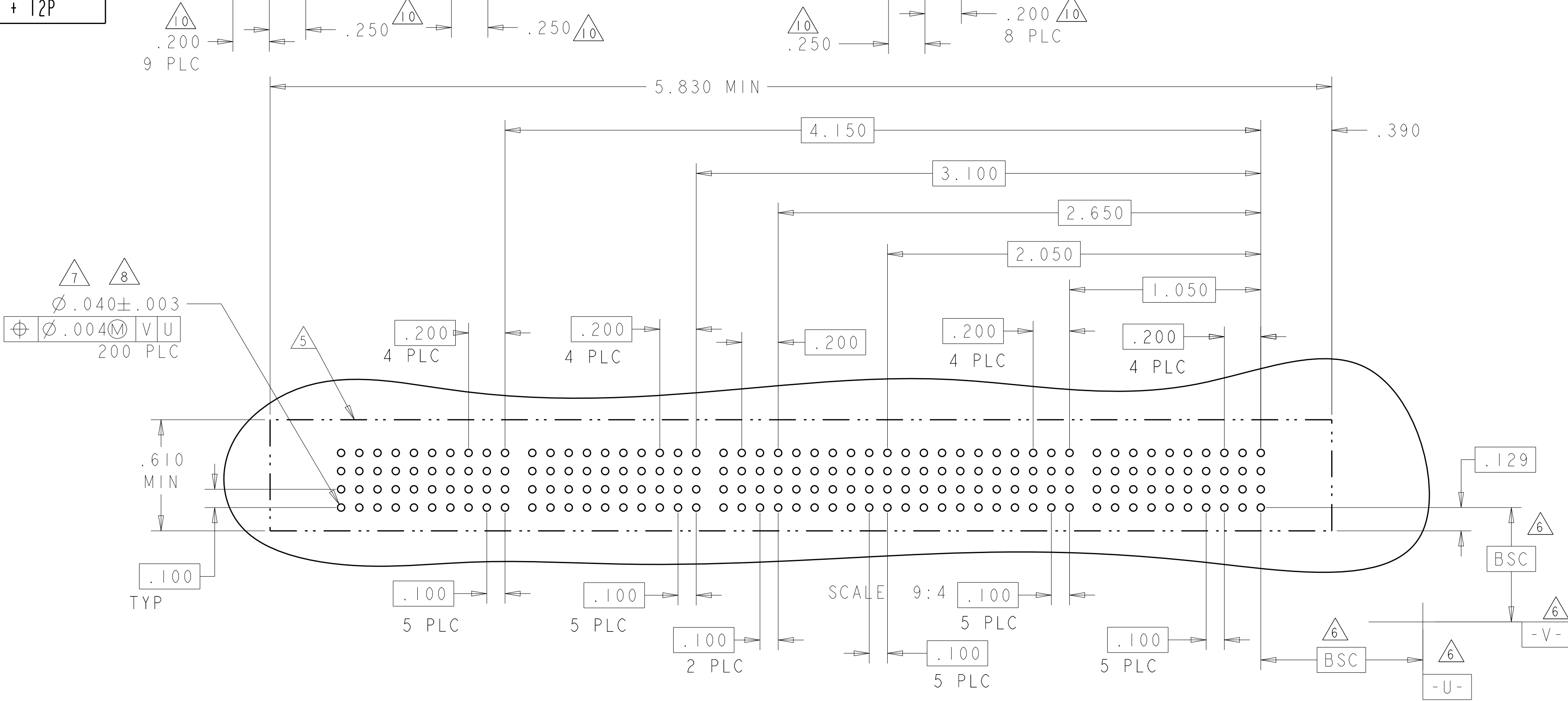
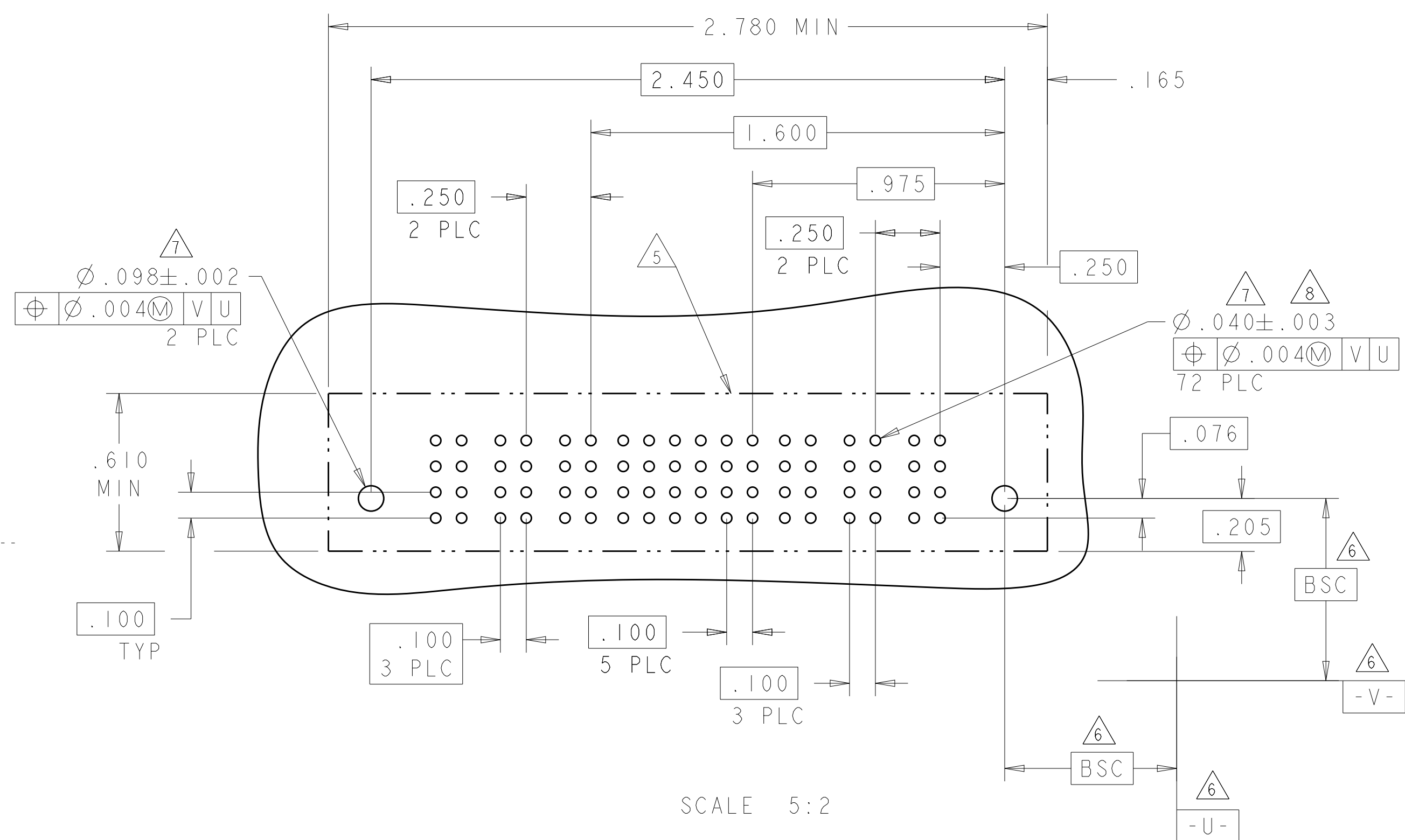
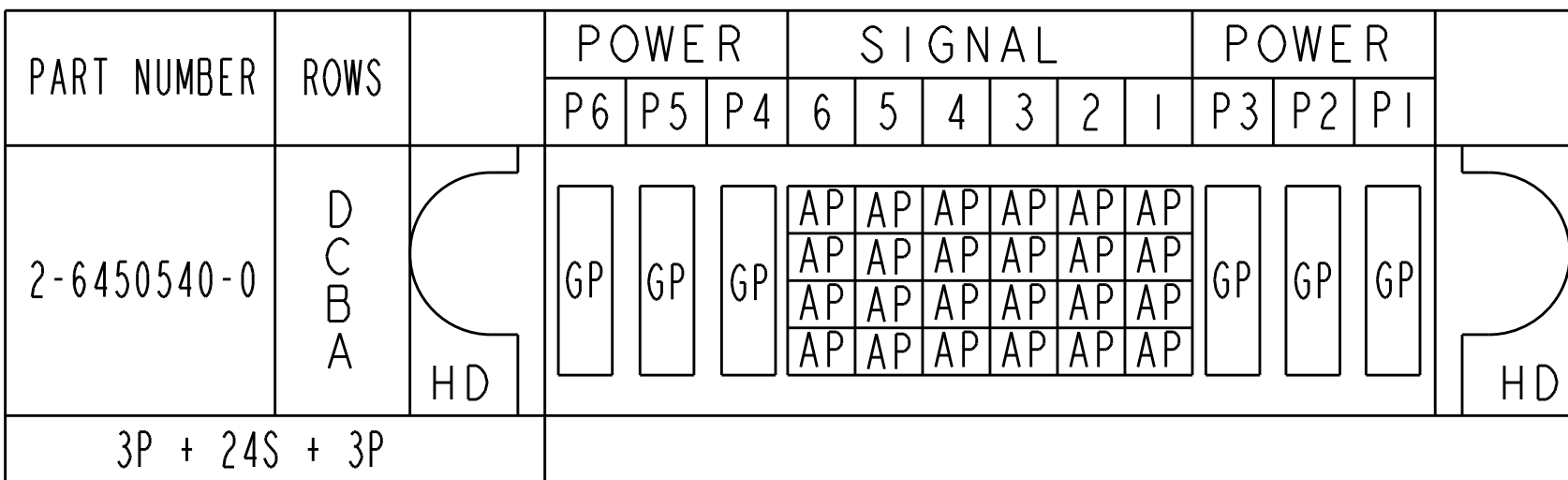
VERTICAL RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

A100779C=6450540

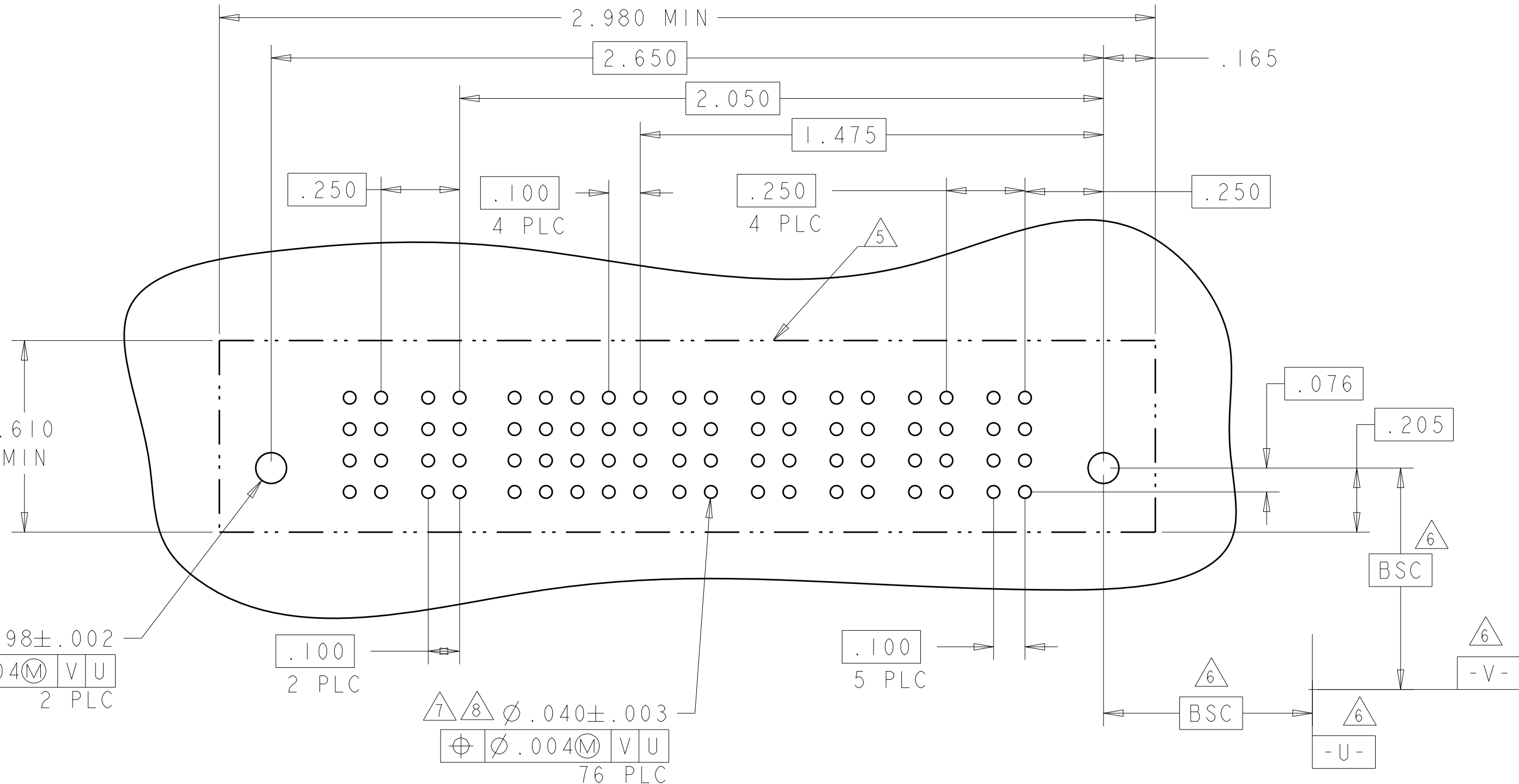
SCALE 2:1 SHEET 5 OF 19 REV K9

PART NUMBER	ROWS		POWER	SIGNAL							POWER																																
			P2	6	5	4	3	2	1	P1																																	
6450540-7	D C B A		<table><tr><td rowspan="4">GP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td>AP</td><td rowspan="4">GP</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	GP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	
GP	AP	AP	AP	AP	AP	AP	AP	GP																																			
	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 VERTICAL RECEPTEAL ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		0 PLC ± 1 PLC ± 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±°		PRODUCT SPEC 108-1973	
MATERIAL		FINISH		APPLICATION SPEC 114-13038	
				SIZE A 100779	
				CASE CODE C-6450540	
				DRAWING NO -	
				RESTRICTED TO -	
				CUSTOMER DRAWING	
				SCALE 2:1	
				SHEET 8 of 19	
				REV K9	

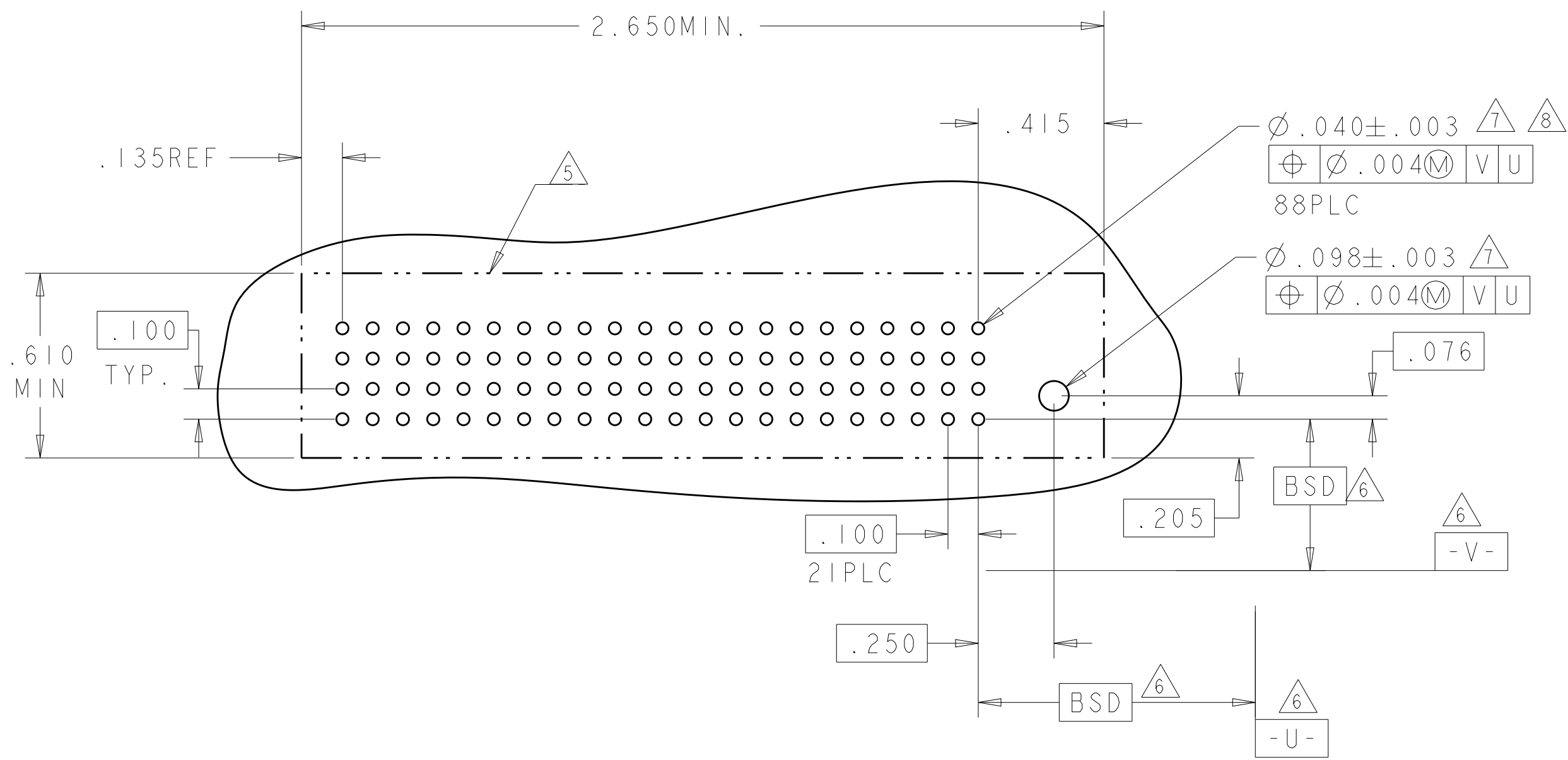
Technical drawing of a mechanical part, likely a piston, showing dimensions and tolerances. The part is cylindrical with a central bore and a series of holes along its length. Dimensions include overall length (7.500 MIN), bore diameter (Ø.098 ± .003), and various hole diameters and spacings. Surface finish symbols (4, 5) and material specifications (29PLC, 280PLC) are also present.

Key dimensions and features:

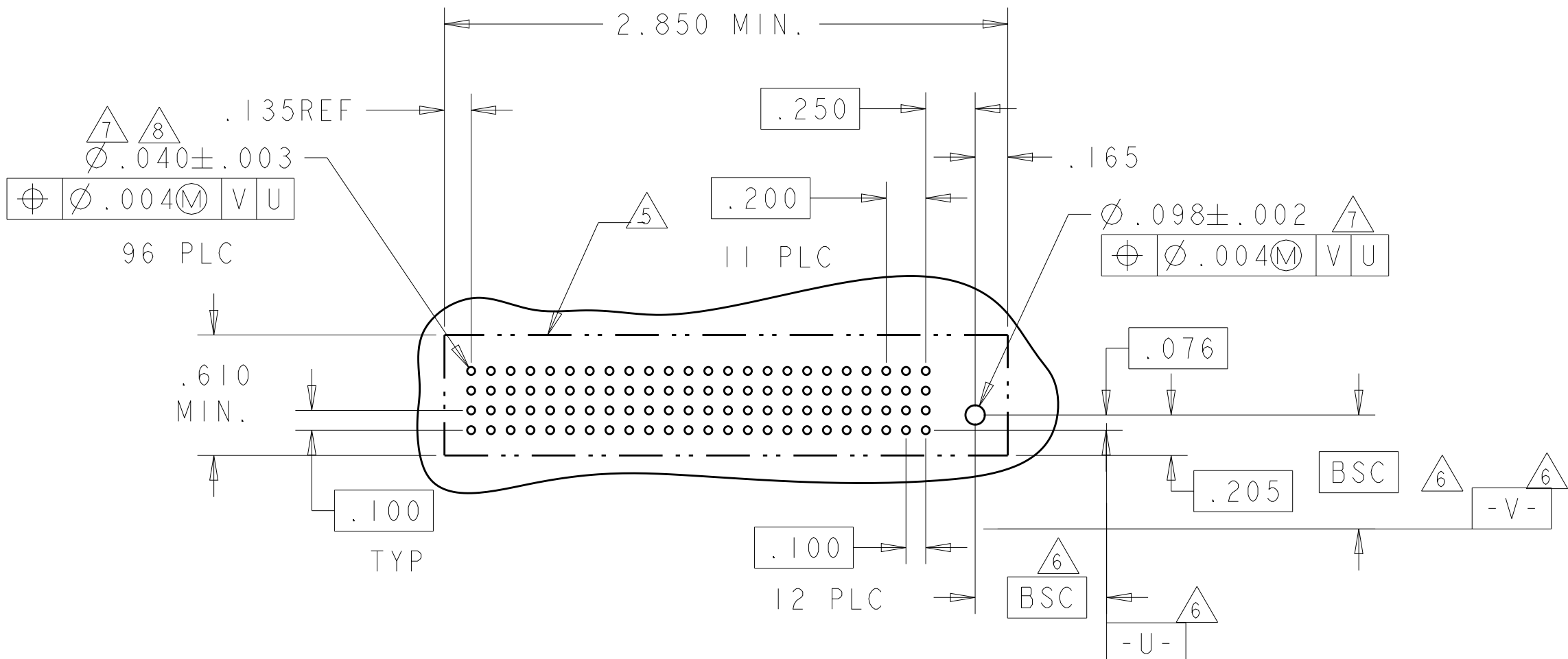
- Overall length: 7.500 MIN
- Bore diameter: Ø.098 ± .003
- Surface finish: 4 (top surface), 5 (bottom surface)
- Material: 29PLC (main body), 280PLC (right end)
- Hole diameters: Ø.040 ± .003 (right end), Ø.004 (multiple locations)
- Hole spacings: .100 TYP., .077, .205, .250, .100, .100, .100
- Other dimensions: .610 MIN., .135 REF, .4050, 3.025, .290, .290, .290

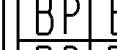
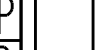
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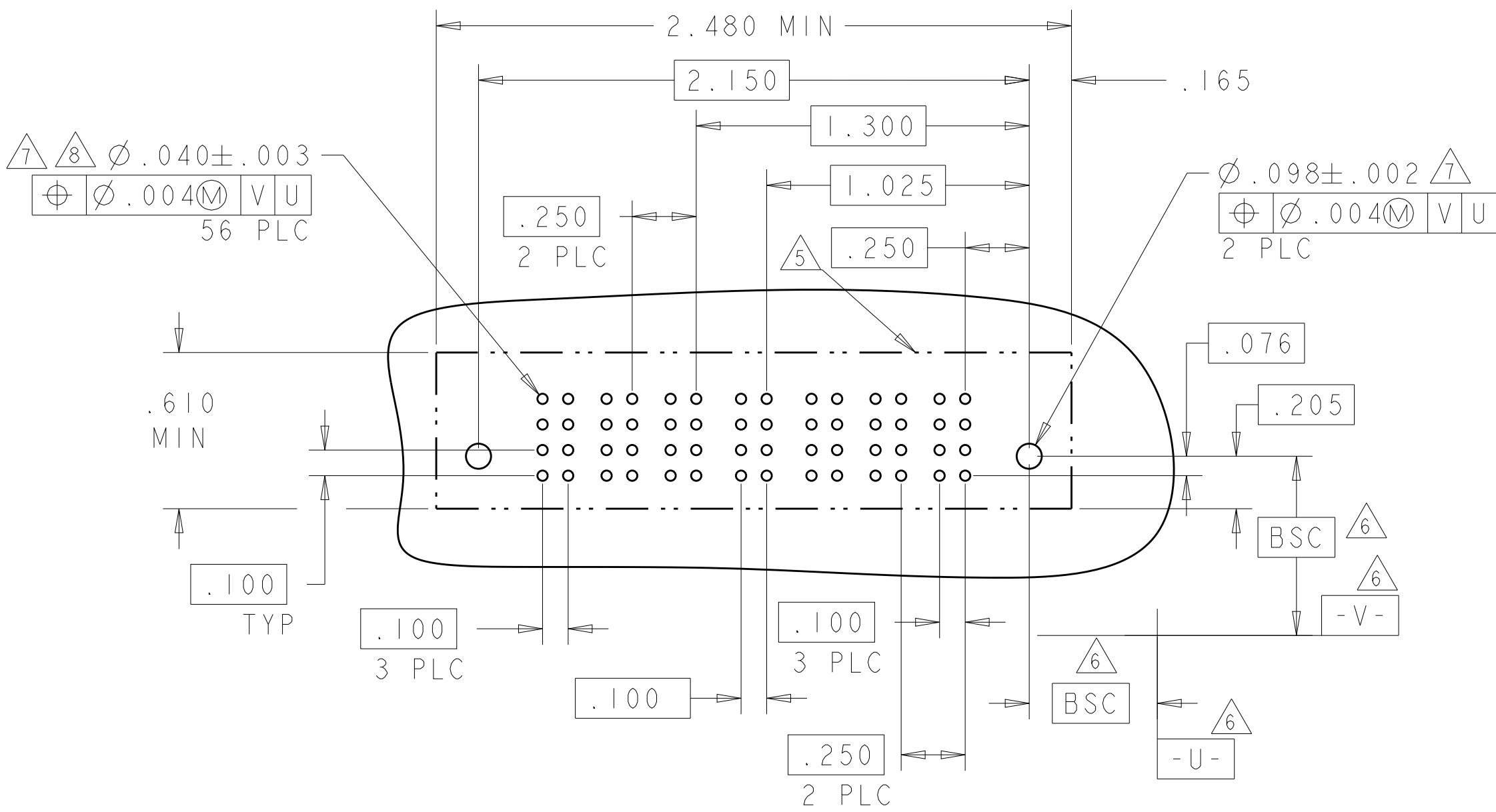
PART NUMBER	ROWS	POWER										
		P11	P10	P9	P8	P7	P6	P5	P3	P2	P1	
4-6450540-2	D C B A	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	
11HDP												

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													



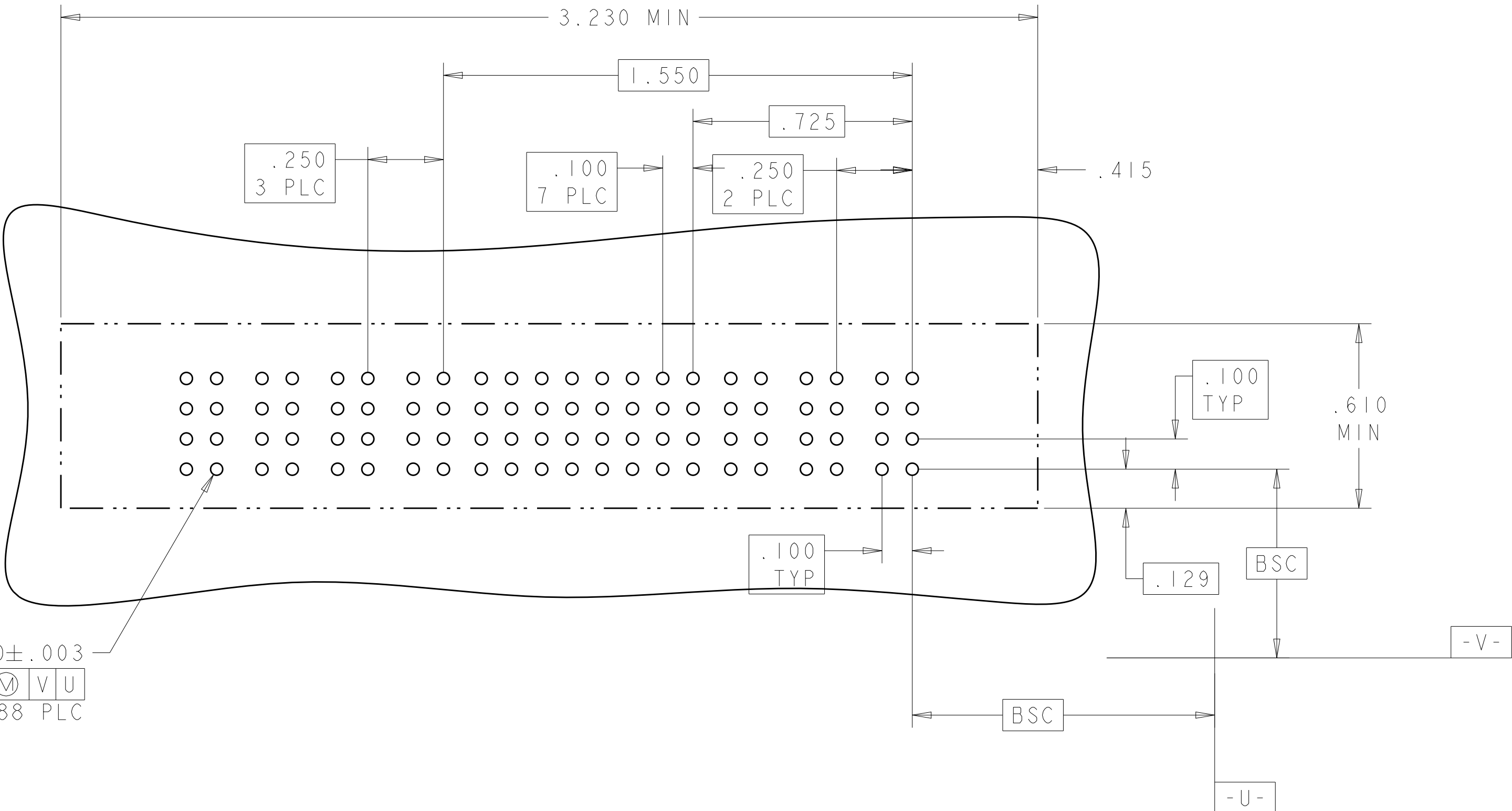
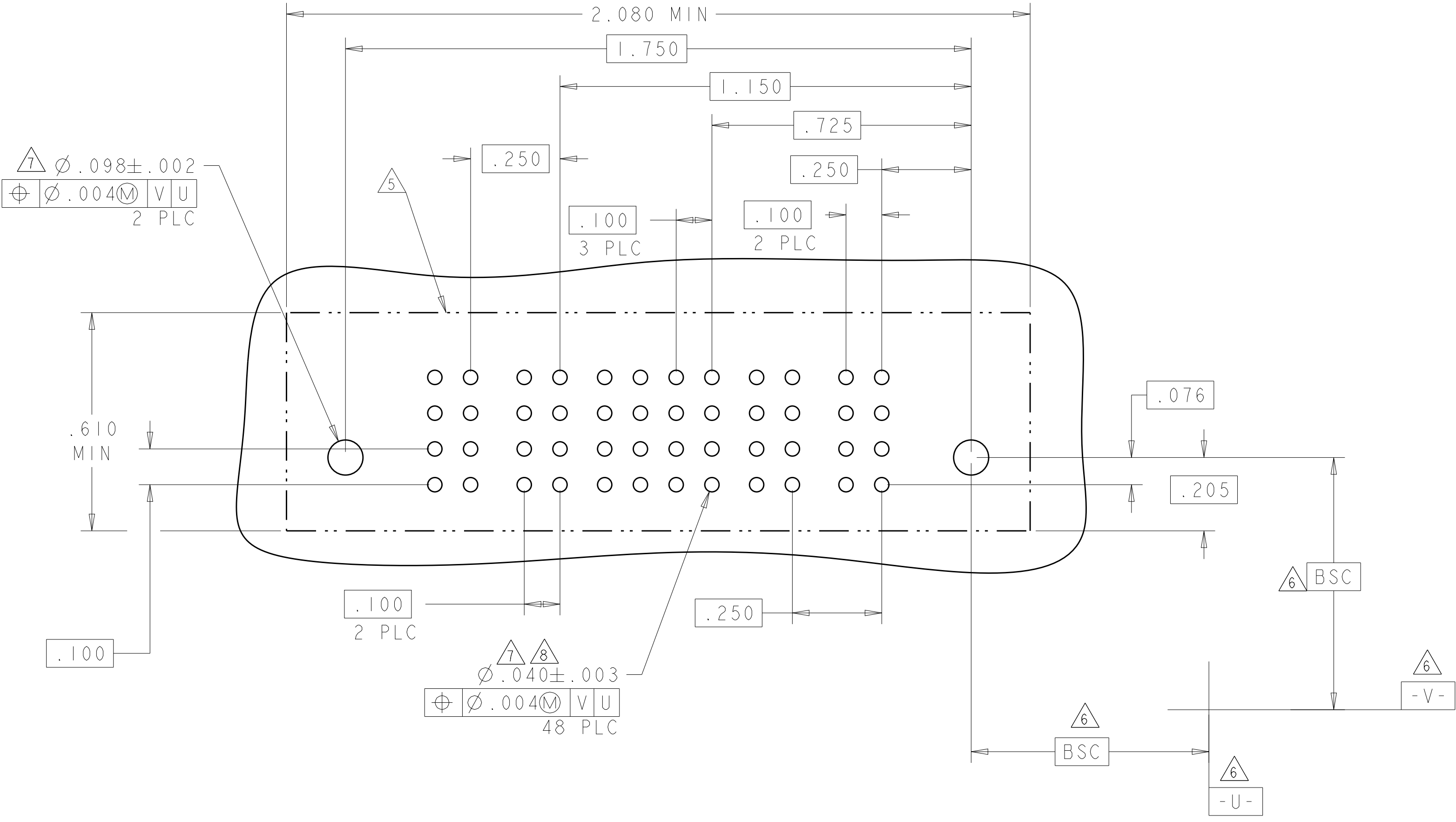
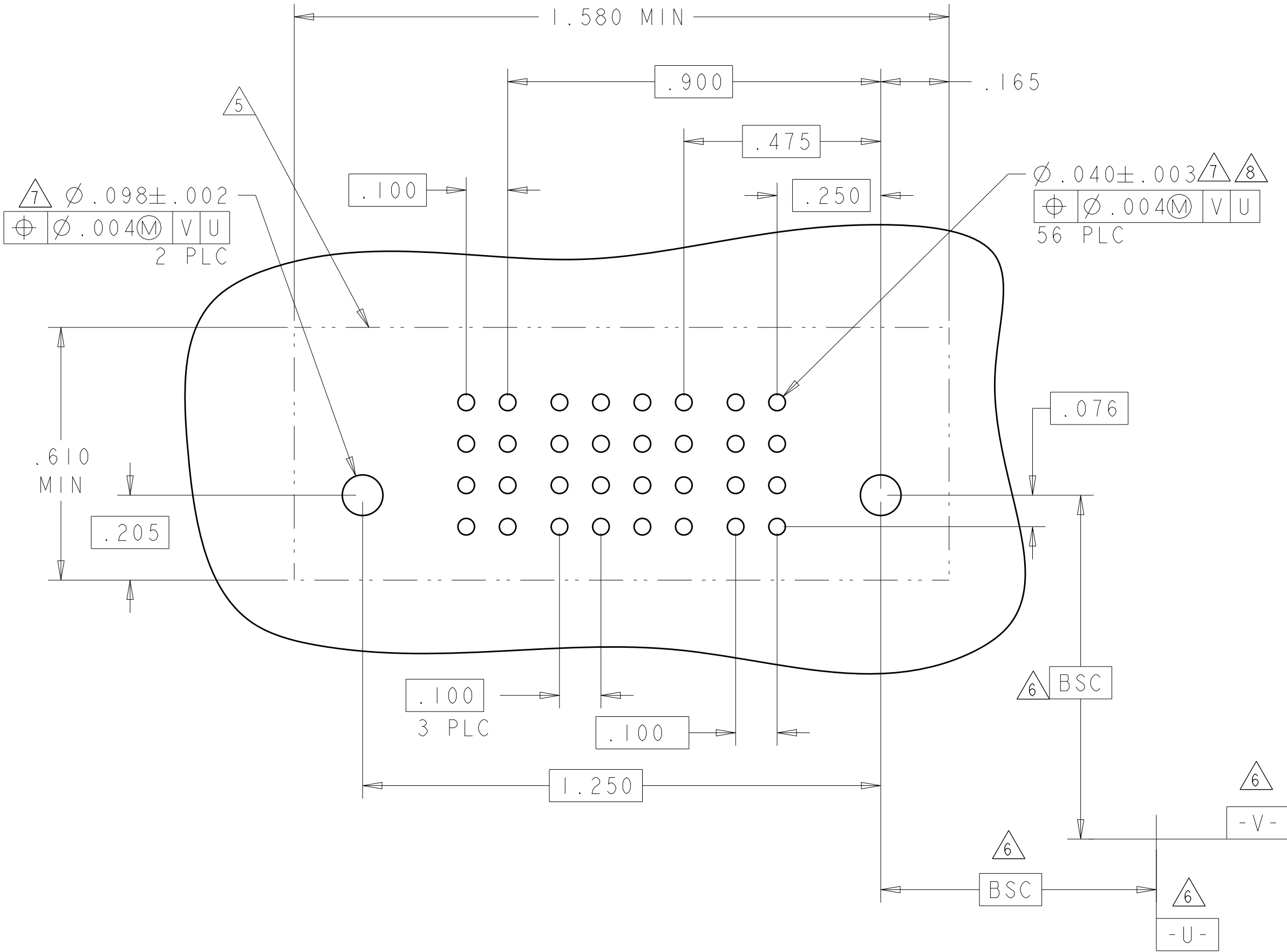
PART NUMBER	ROWS		POWER			SIGNAL		POWER			
			P6	P5	P4	2	1	P3	P2	P1	
4-6450540-7	D C B A										
3P + 8S + 3P											

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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	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
CHK: M. PERCHERKE 29APR05
APVD: M. PERCHERKE

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±.01
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.0020
ANGLES ±2°
FINISH

MATERIAL

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

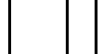
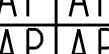
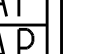
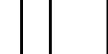
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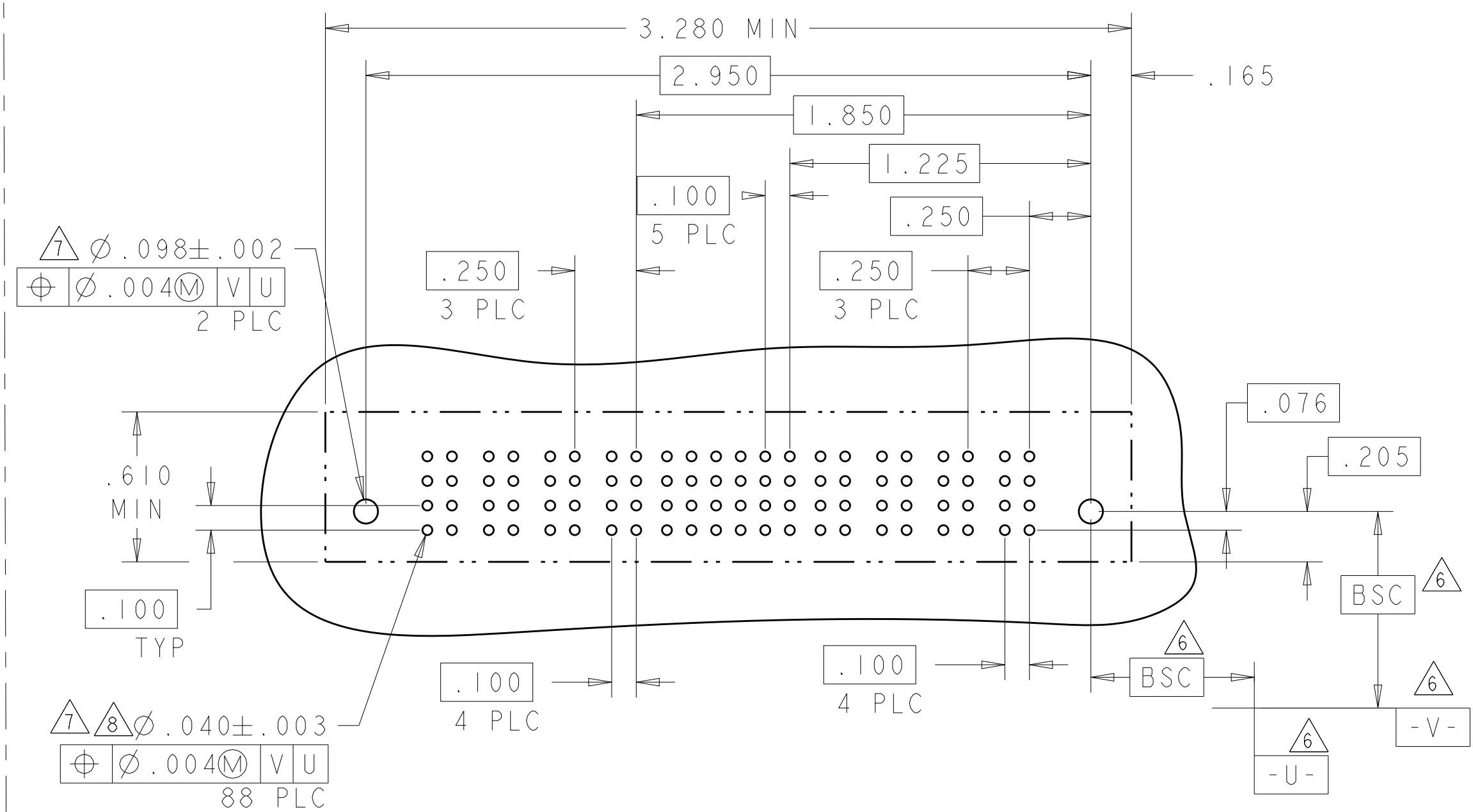
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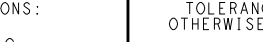
SHEET: 12

OF: 19

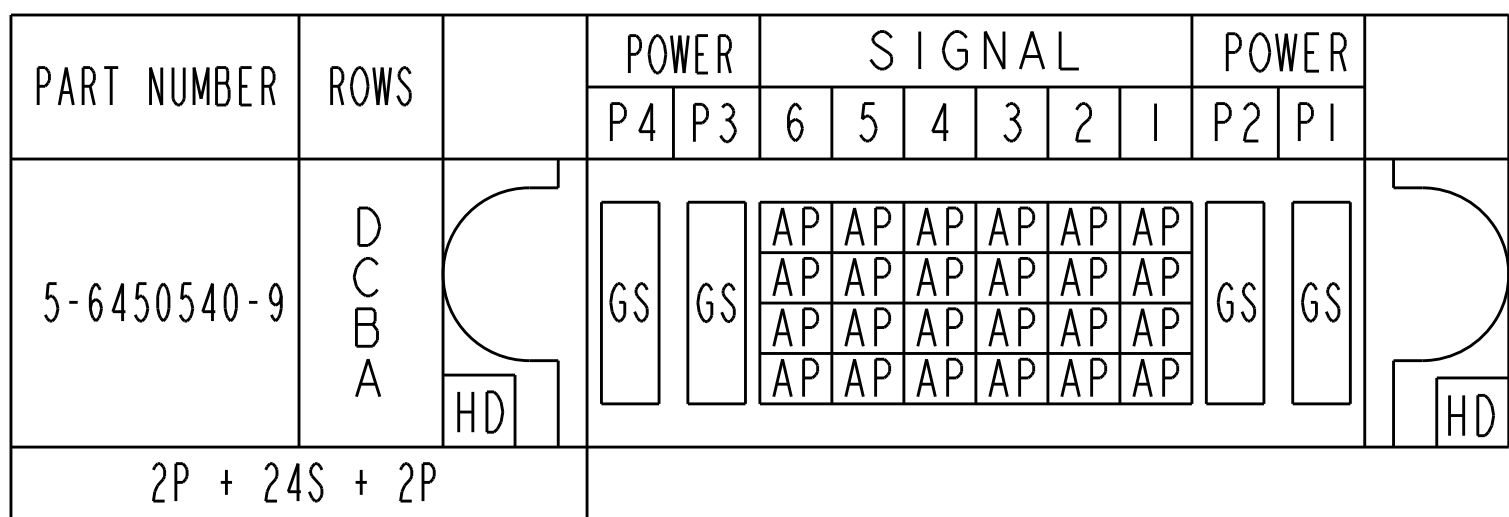
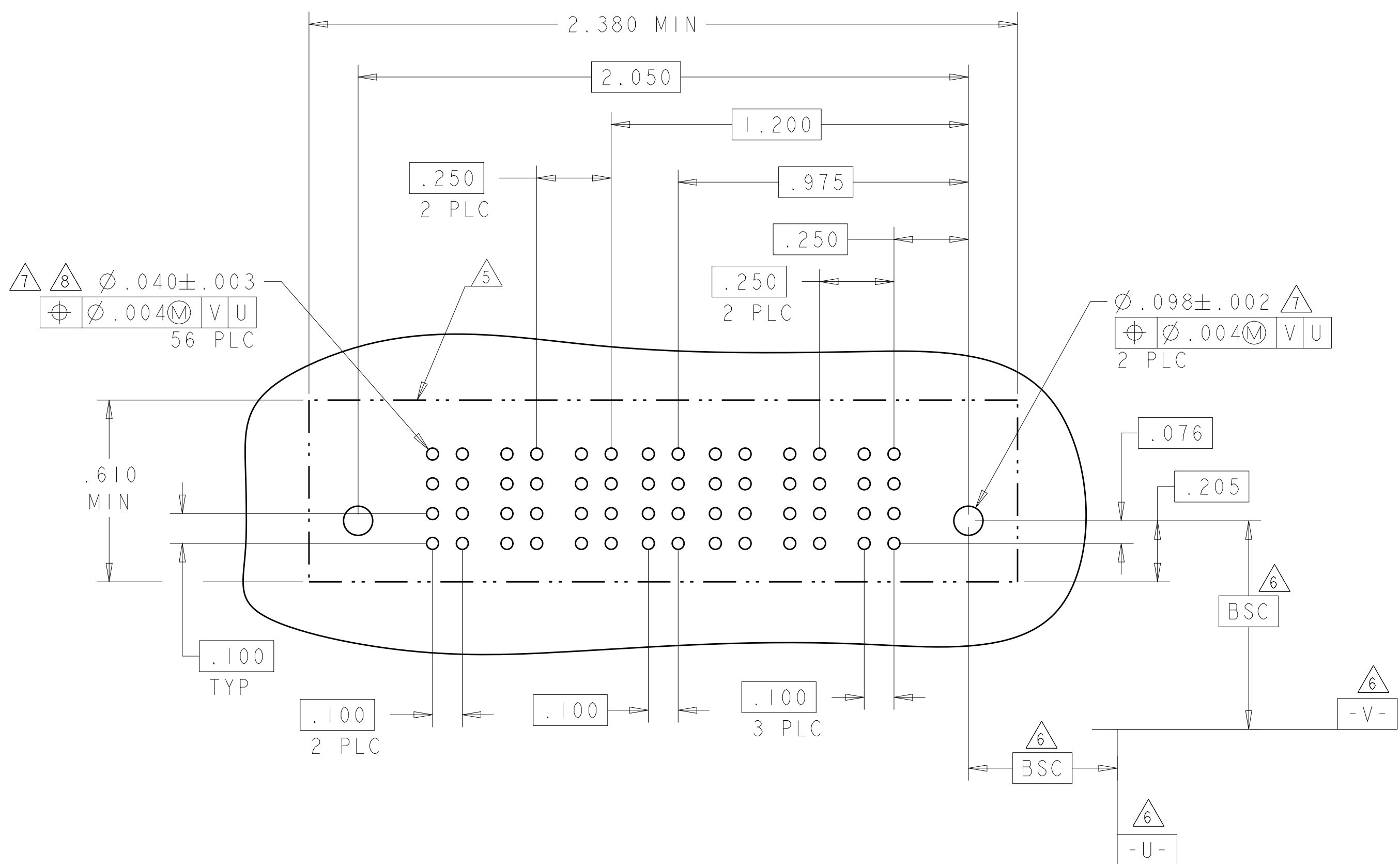
REV: K9

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																	



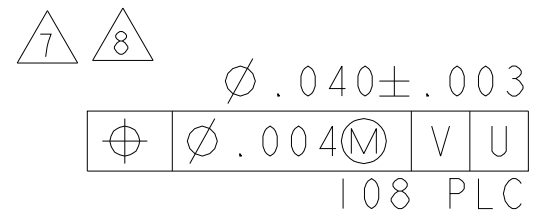
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN : R. GRZYBOWSKI 29APR05		 TE Connectivity	
		CHG : M. PERCHERRE 29APR05			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
INCHES		APVD : M. PERCHERRE		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		PRODUCT SPEC			
		108-1973			
		APPLICATION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

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

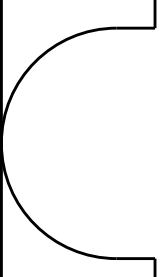
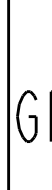
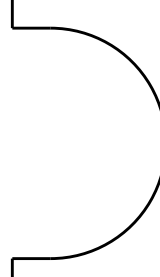
4805 (3/11)

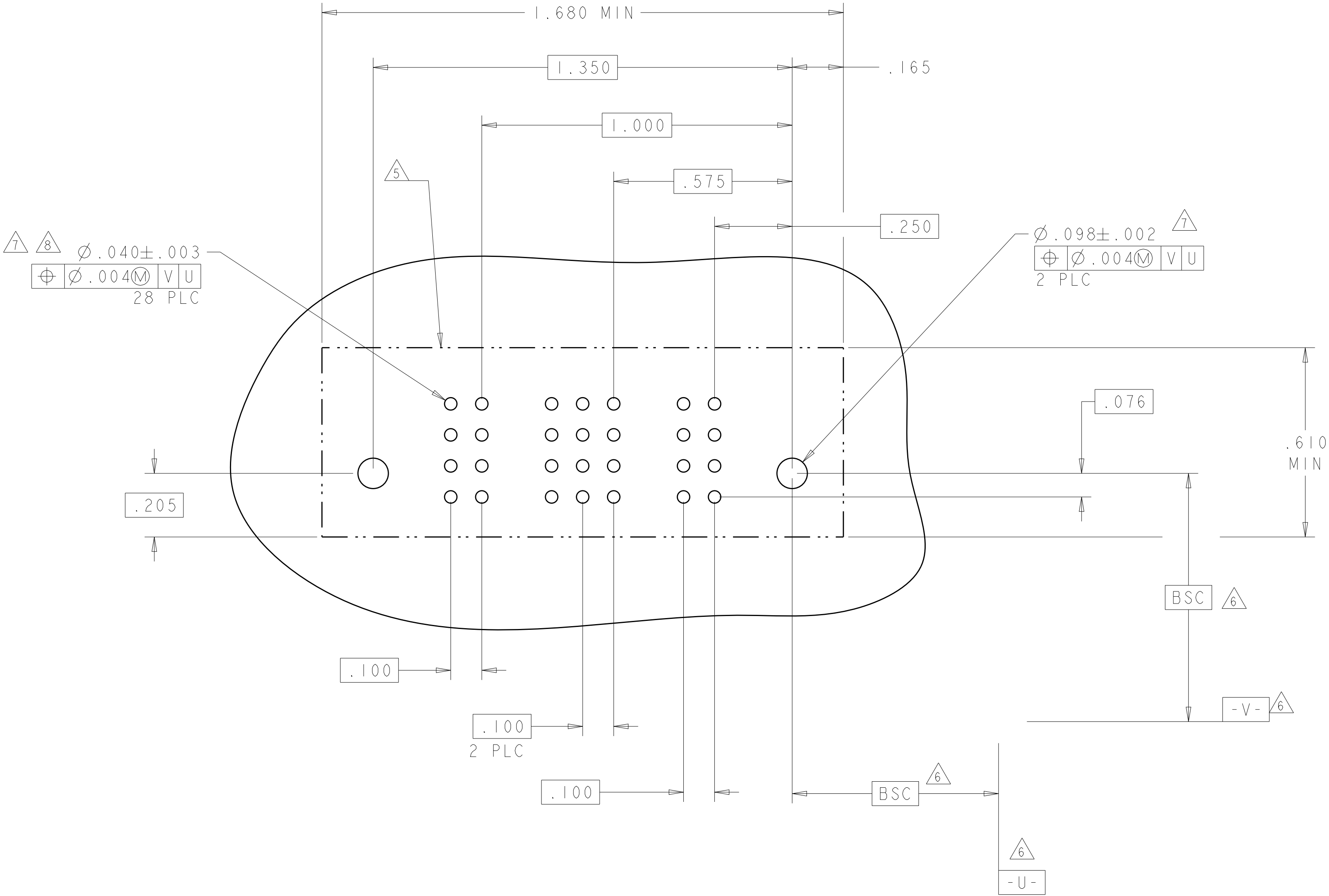
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4805 (3/11)

-NO SIGNAL CONTACTS4805 (3/11)

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									

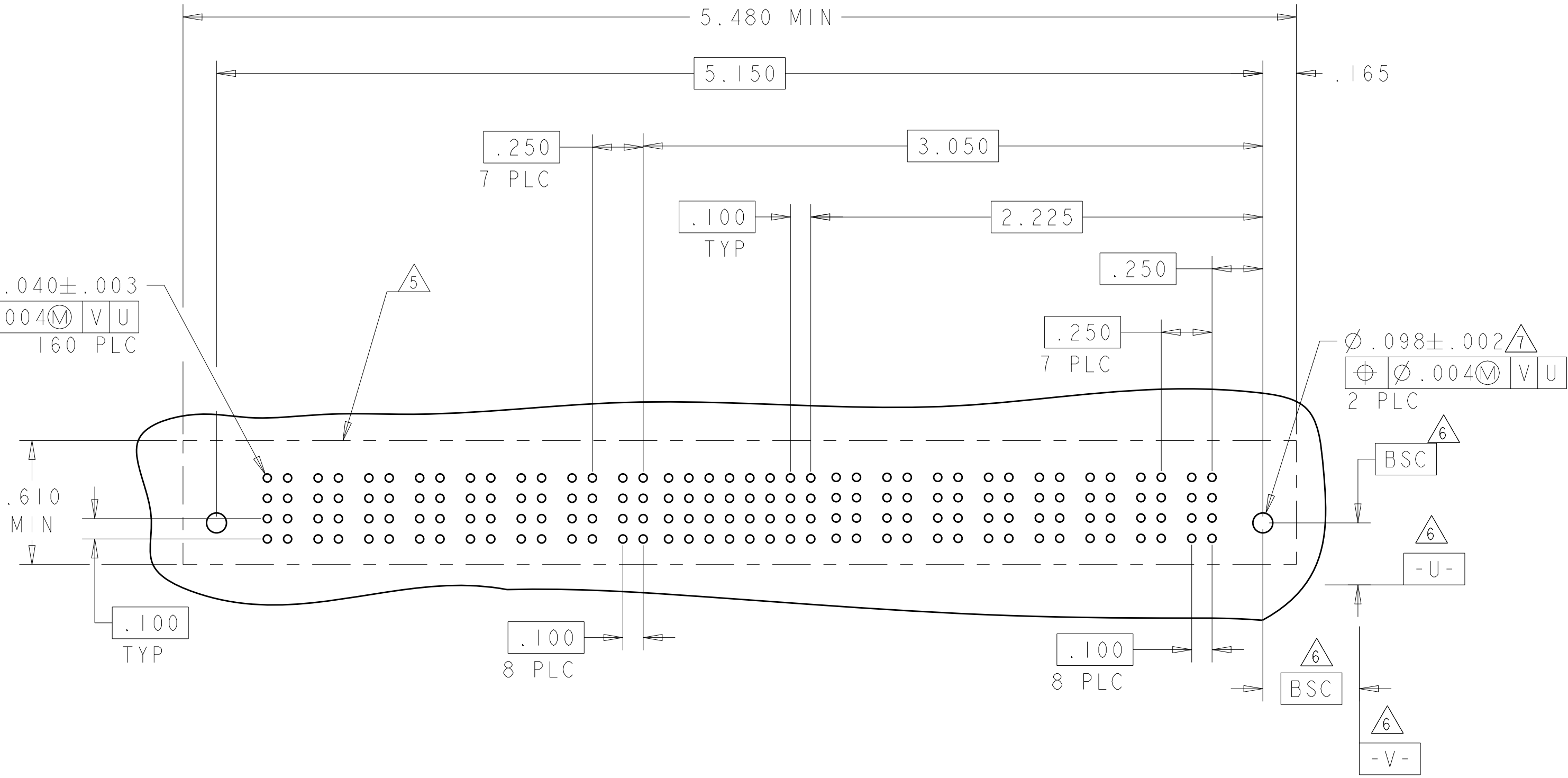
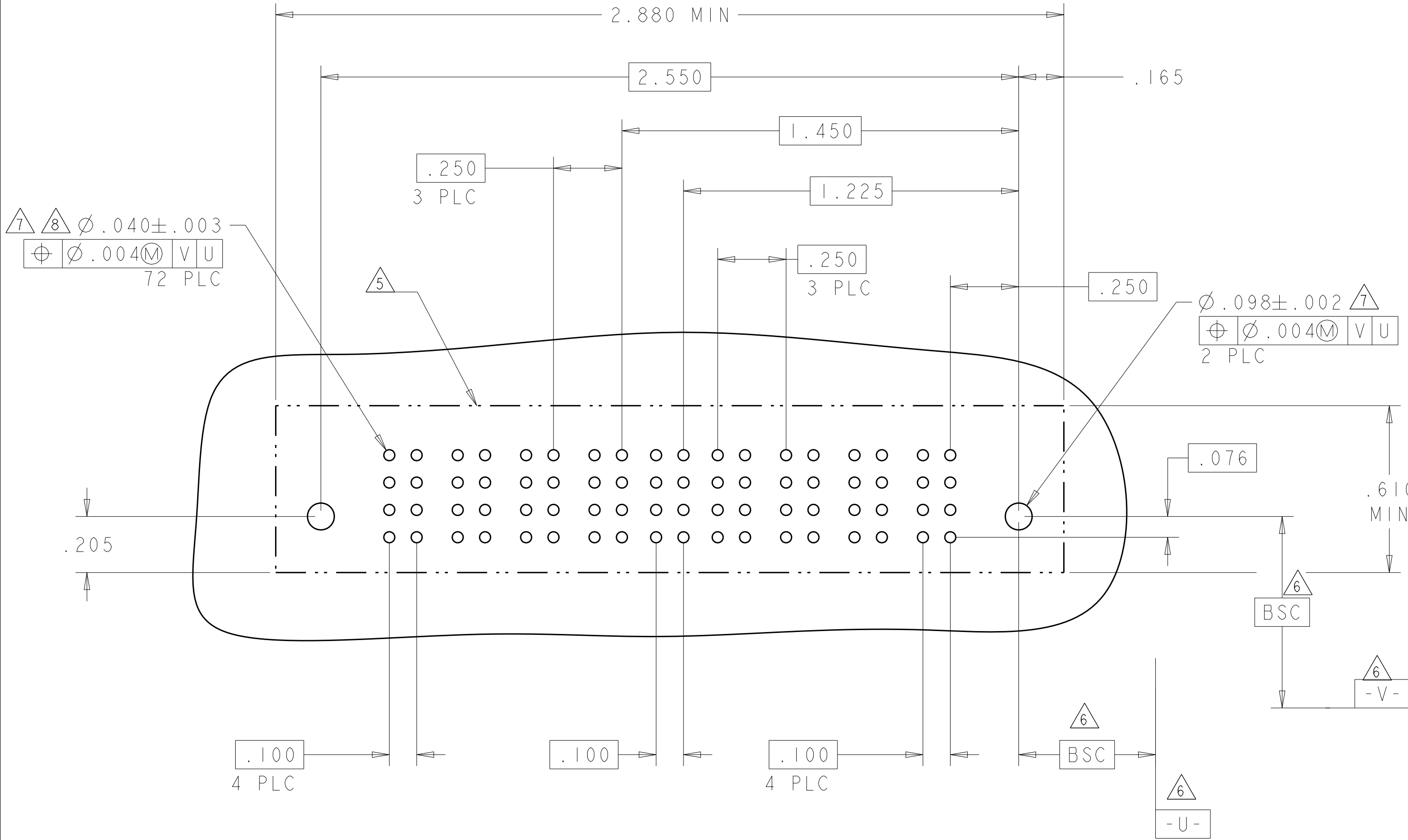


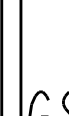
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	29APR05	 TE Connectivity		NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL				
DIMENSIONS: INCHES		CHK M.PERCHERKE	29APR05							
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD M.PERCHERKE	-	PRODUCT SPEC		SIZE A1	CAGE CODE 100779			
		APPLICATION SPEC		DRAWING NO						
		114-13038		REV						
		FINISH		SCALE						
		MATERIAL		WEIGHT		CUSTOMER DRAWING		SHEET 17 OF 19		
								REV K9		

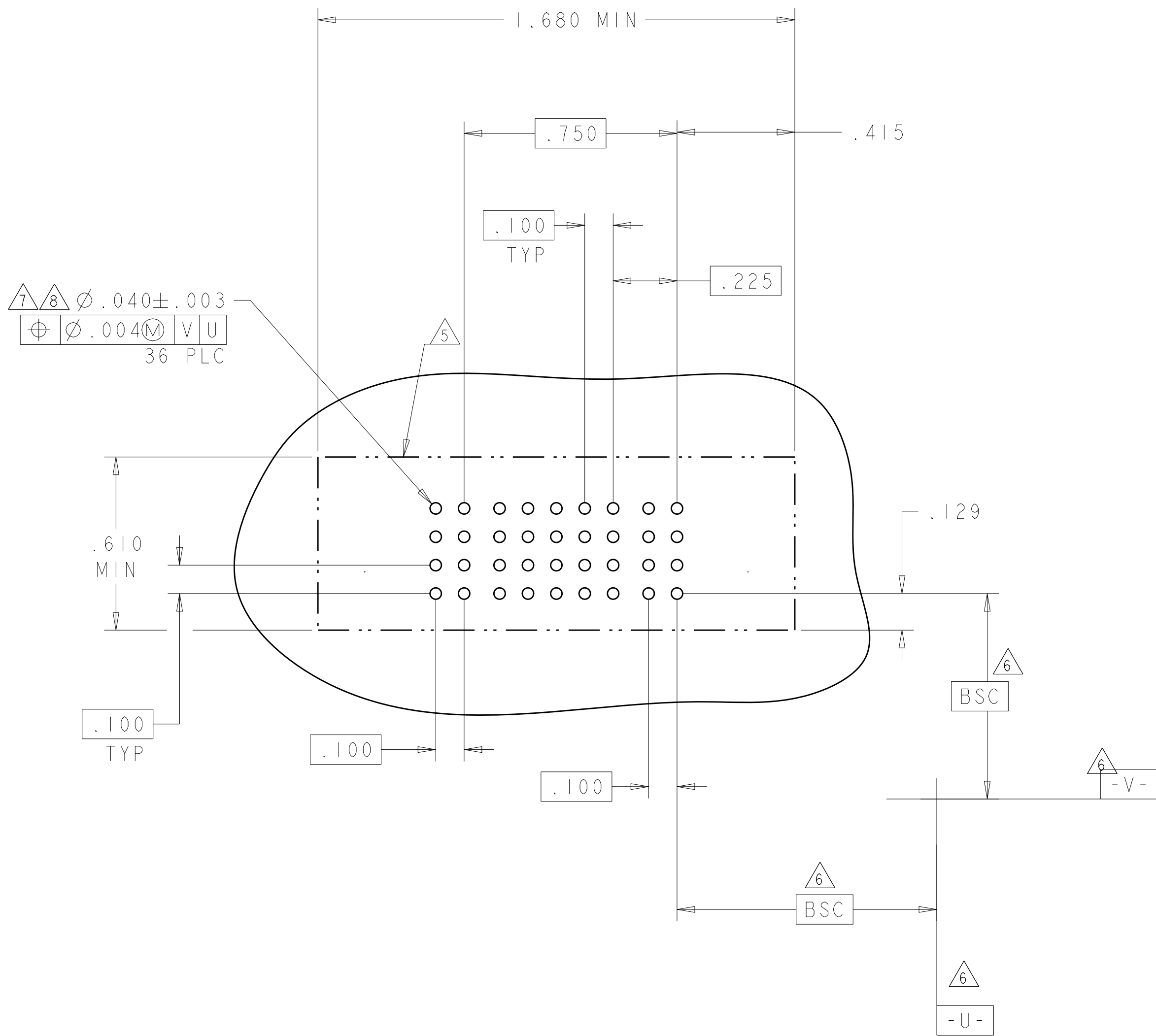
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER				SIGNAL		POWER				
			P8	P7	P6	P5	2	1	P4	P3	P2	P1	
6-6450540-5	D		GS	GS	GS	GS	AP	AP	GS	GS	GS	GS	
	AP						AP						
	AP						AP						
	AP						AP						
4P + 8S + 4P													

PART NUMBER	ROWS		POWER								SIGNAL								POWER											
			P16	P15	P14	P13	P12	P11	P10	P9	8	7	6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1				
4-6450540-9	D		GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS	GS	GS	GS	GS				
	C										AP	AP	AP	AP	AP	AP	AP	AP										AP		
	B										AP	AP	AP	AP	AP	AP	AP	AP										AP	AP	AP
	A										AP	AP	AP	AP	AP	AP	AP	AP										AP	AP	AP
8P + 32S + 8P																														



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			AP	AP	AP	AP	AP	AP		
IP + 20S + IP											

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