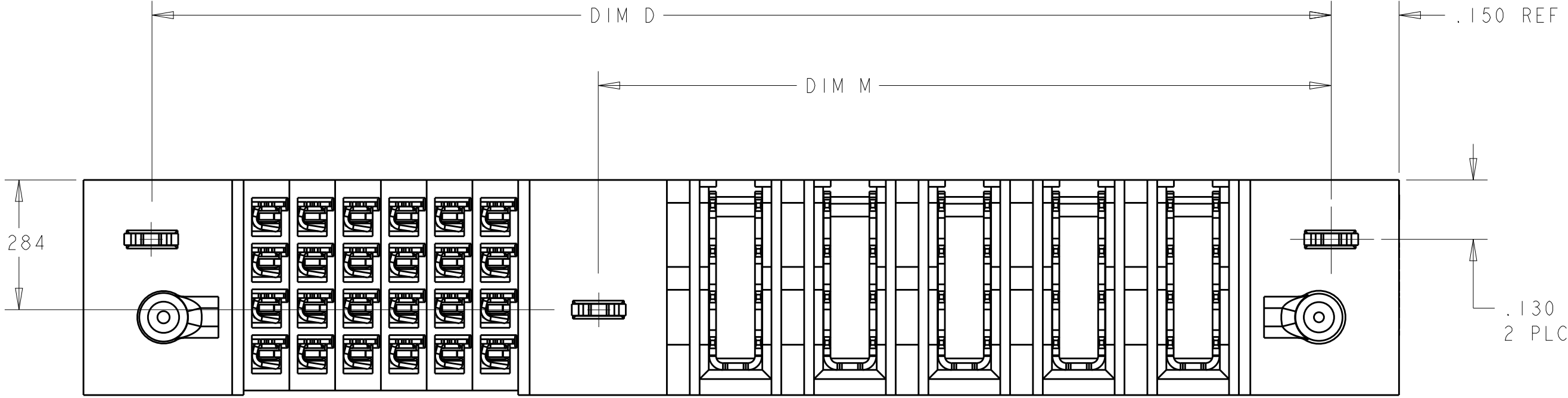


LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			D	REV PER ECR-11-023806	25NOV2011	CZ	SZ
			D2	ADD NEW DASH NUMBER 2-1	19AUG2014	CZ	SZ



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 AS SHOWN
PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES

3 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY

4 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA
OF POWER AND SIGNAL CONTACTS

5 MECHANICAL CONNECTOR KEEP OUT ZONE

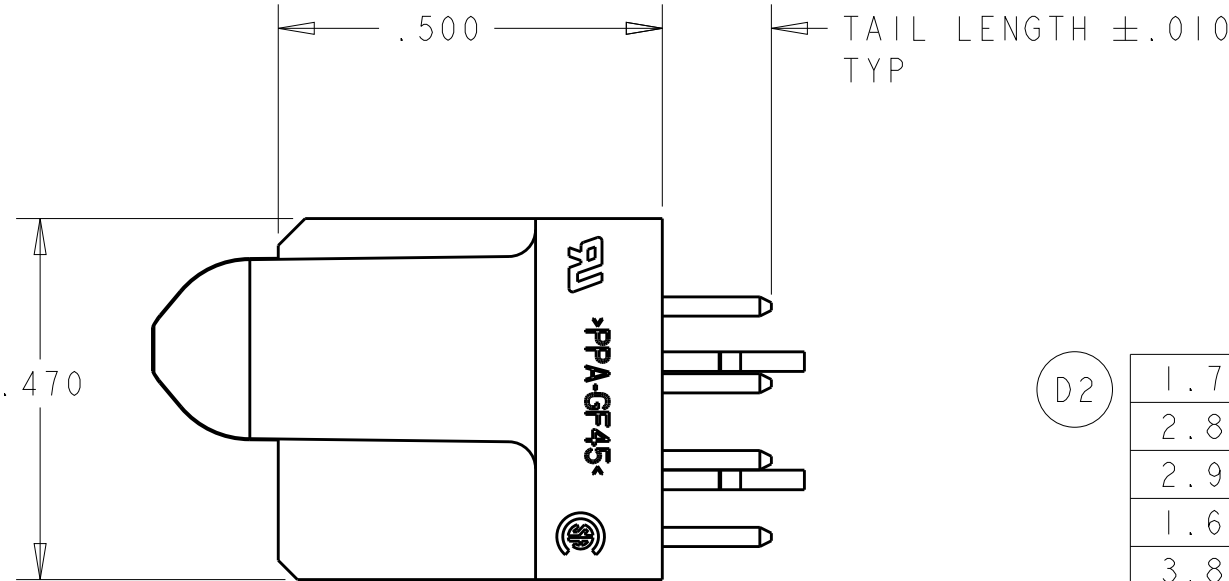
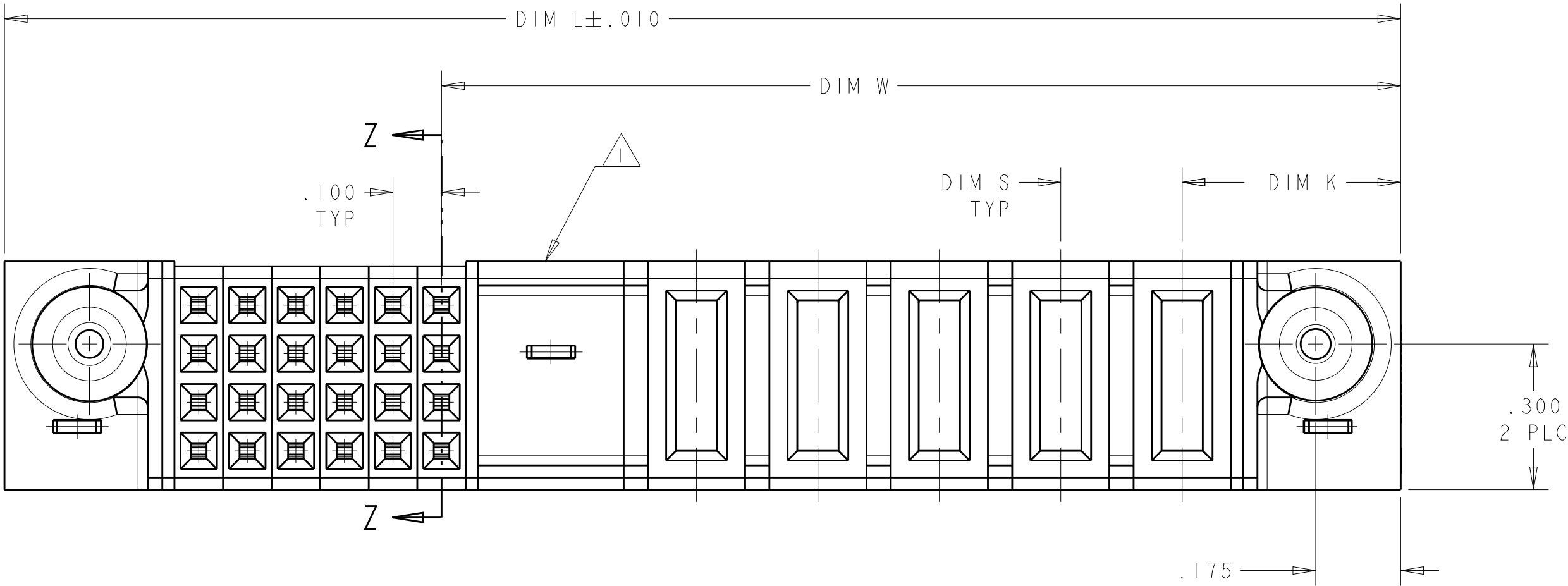
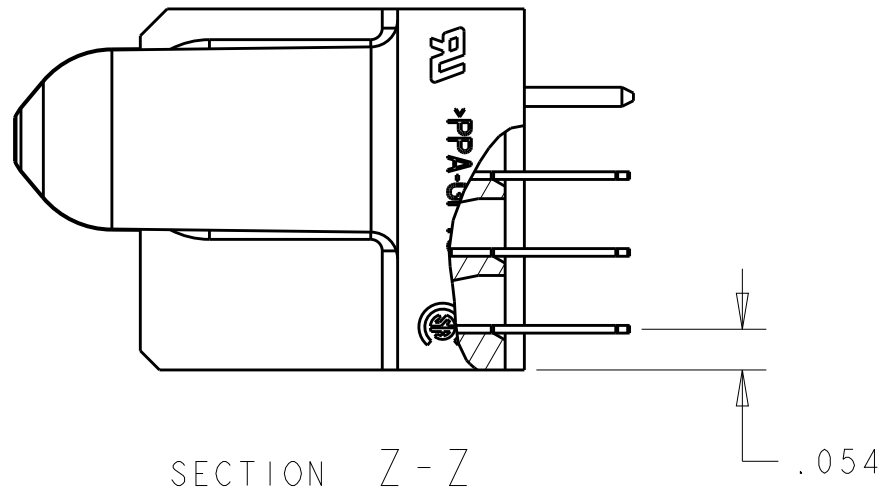
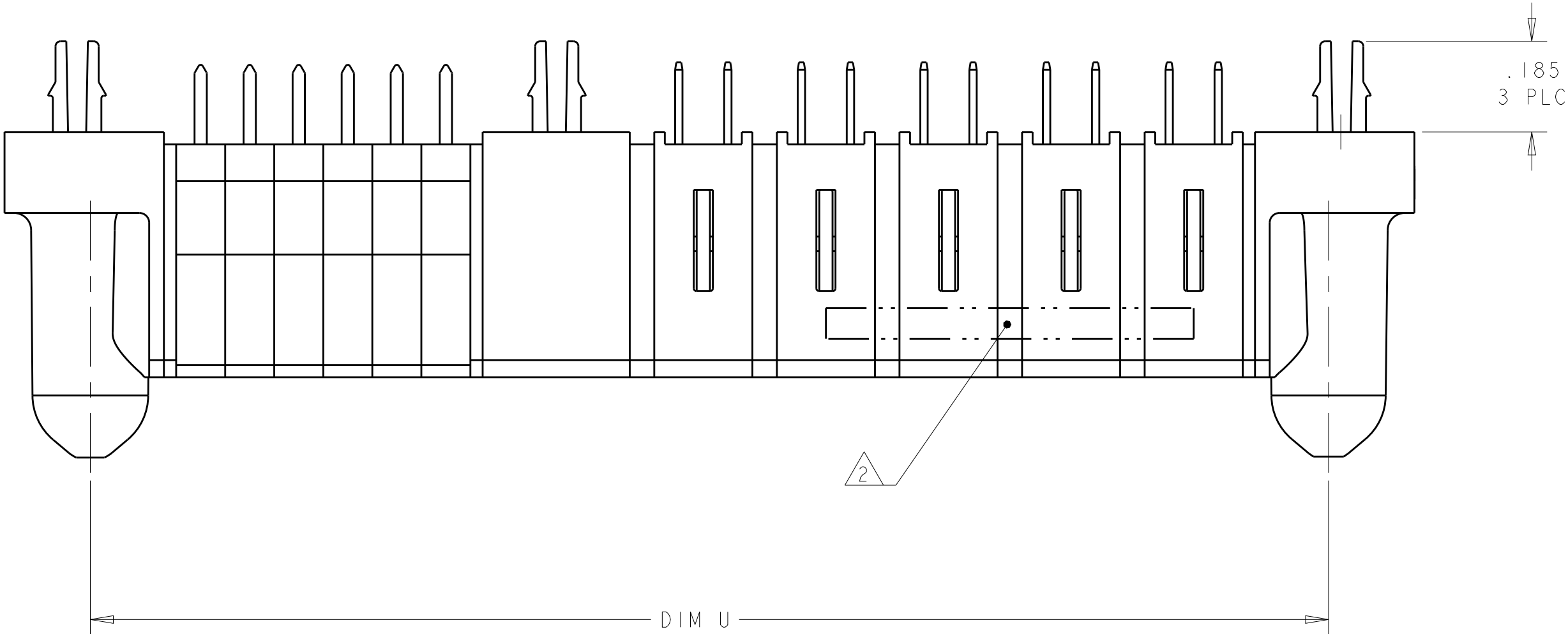
6 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER

7 PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES

8 PCB - .0453 +/- .0010 DRILLED HOLES PLATED WITH .0003 MIN Sn
OVER .001 TO .003 PLATING TO ACHIEVE A .040 HOLE

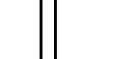
9 NOT RELEASED FOR PRODUCTION

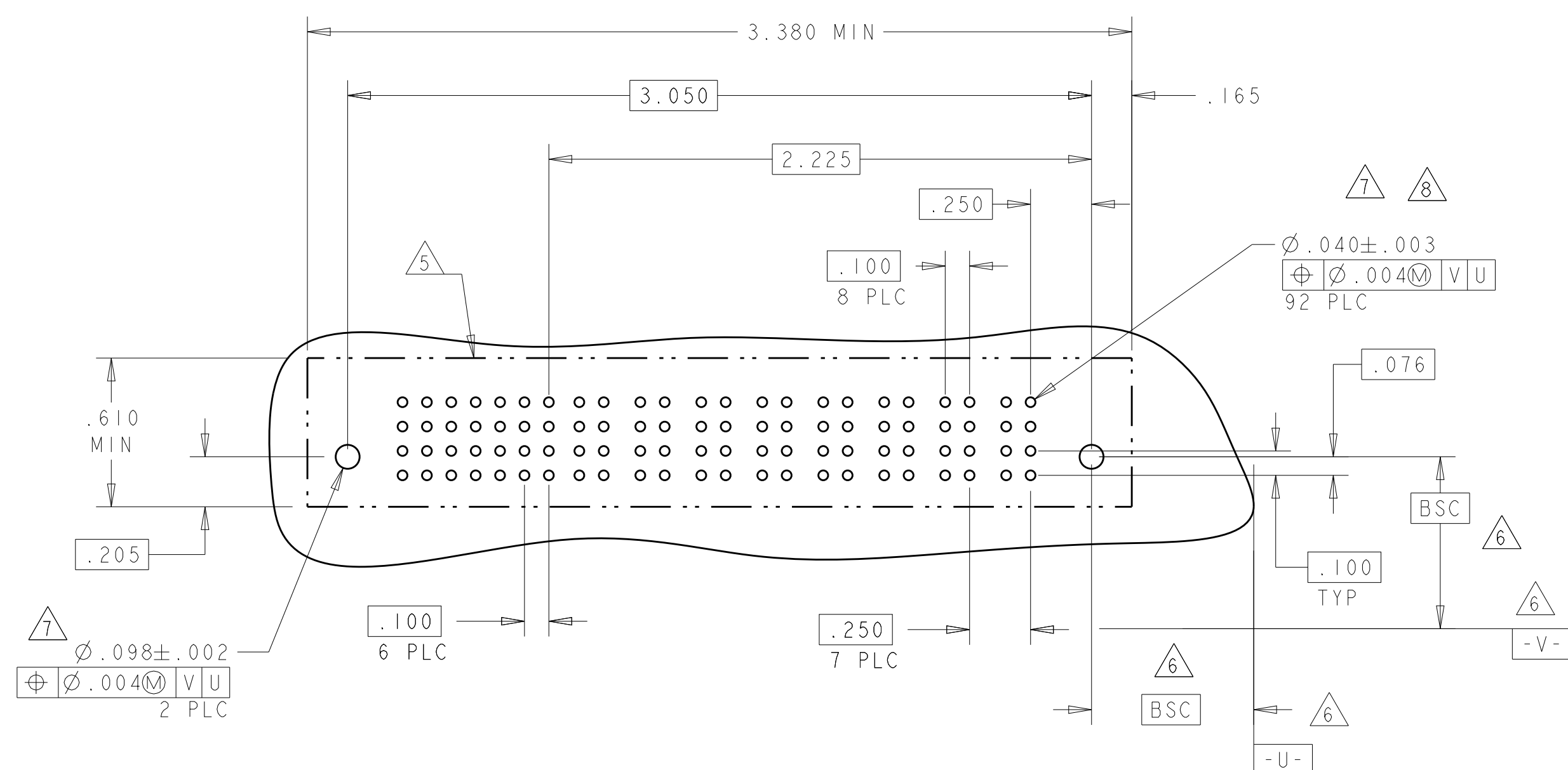
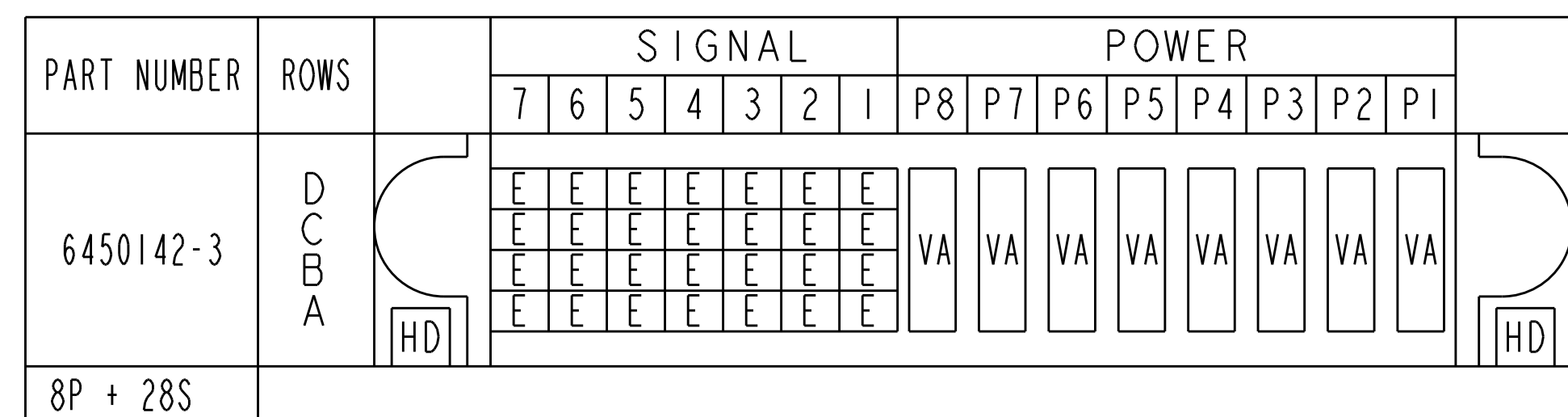
10 VARIABLE DIMENSION SHOW ON TABLE OR PART VIEW.



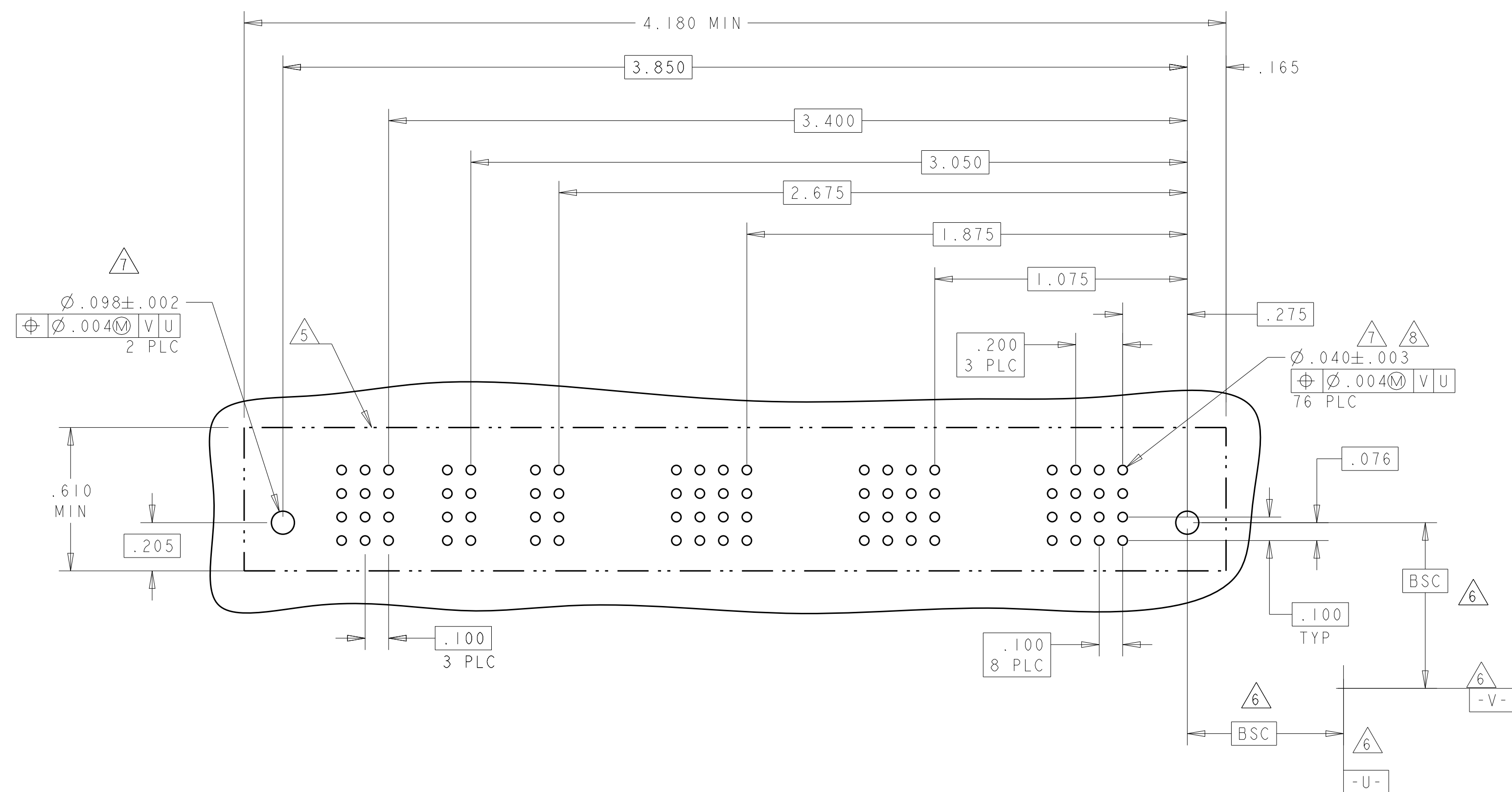
1.700	.250	1.375	1.750	-	2.050	.450	4P + 16S	2-6450142-1
2.825	10	2.300	2.875	-	3.175	.475	3ACP + 4P + 24S	2-6450142-0
2.900	.250	2.875	2.950	-	3.250	.450	10P + 4S	1-6450142-9
1.600	.250	1.375	1.650	-	1.950	.450	4P + 12S	1-6450142-8
3.875	10	3.550	3.925	-	4.225	.475	3ACP + 9P + 16S	1-6450142-7
2.700	.250	.875	2.750	-	3.050	.450	2P + 76S	1-6450142-4
2.300	.250	1.875	2.350	-	2.650	.450	6P + 20S	1-6450142-3
2.950	.200	2.425	3.000	-	3.300	.450	10HDP+24S	1-6450142-1
1.000	.250	.875	1.050	-	1.350	.450	2P + 8S	1-6450142-0
2.900	.250	2.375	2.950	-	3.250	.450	8P + 24S	6450142-9
1.100	-	.575	1.150	-	1.450	.425	1P + 24S	6450142-6
3.800	-	3.550	3.850	-	4.150	.475	11P + 12S	6450142-4
3.000	.250	2.375	3.050	-	3.350	.450	8P + 28S	6450142-3
1.675	.250	1.425	1.725	-	2.025	.475	4P + 12S	6450142-2
1.675	.250	1.425	1.725	-	2.025	.475	4P + 12S	6450142-1
DIM U	DIM S	DIM W	DIM D	DIM M	DIM L	DIM K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN R.GRZYBOWSKI	15FEB05	 TE Connectivity			
TOLERANCES UNLESS OTHERWISE SPECIFIED:				CHK M.PERCHEKKE	15FEB05				
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M.PERCHEKKE	-	NAME		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°		PRODUCT SPEC		SIZE			
MATERIAL		FINISH		APPLICATION SPEC		CAGE CODE		DRAWING NO	
3		4		108-1973		A1		00779	
				114-13038		C=6450142		RESTRICTED TO	
				WEIGHT				-	
				CUSTOMER DRAWING					
						SCALE		4:1	
						SHEET		1 OF 8	
						REV		D2	

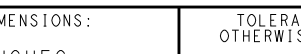
PART NUMBER	ROWS		SIGNAL			POWER							
			3	2	1	P4	P3	P2	P1				
6450142-2	D C B A		E	E	E	VA	VA	VA	VA				
			E	E	E								
			E	E	E								
			E	E	E								
4P + 12S													



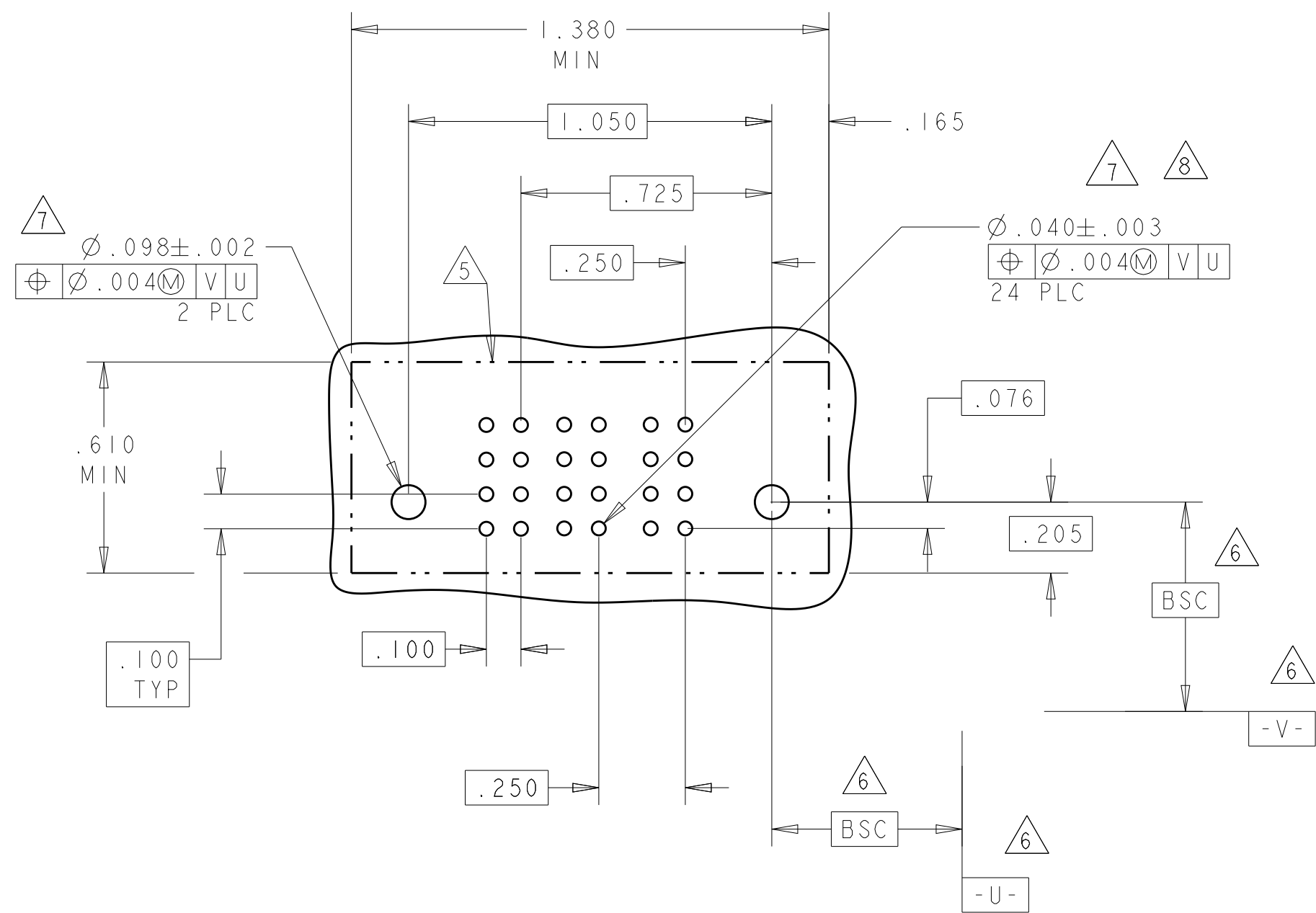
PART NUMBER	ROWS		SIGNAL			POWER																								
			3	2	1	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2		P1													
6450142-4	D C B A		E	E	E	VA	VA		VA	VA		VA	VA		VA	VA														
			E	E	E																									
			E	E	E																									
			E	E	E																									
IIP + 12S																														



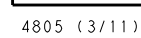
		VN	.090	STD
		VB	.090	MFBL
J	.090	VM	.135	STD
E	.135	VA	.135	MFBL
CODE	TAIL LENGTH	CODE	TAIL LENGTH	DESCRIPTION
SIGNAL CONTACT		POWER CONTACT		

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. R. GRZYBOWSKI 15FEB05 CHK. M. PERCHERKE 15FEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED: 0 PLC ±.01 1 PLC ±.01 2 PLC ±.005 3 PLC ±.0020 ANGLES ±2°		NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		SIZE A1	
MATERIAL -		WEIGHT -		CASE CODE 100779	
FINISH -		CUSTOMER DRAWING		DRAWING NO C=6450142	
				SCALE 4:1 SHEET 2 of 8 REV D2	

PART NUMBER	ROWS		SIGNAL		POWER		
			2	1	P2	P1	
I-6450142-0	D C B A						
2P + 8S							



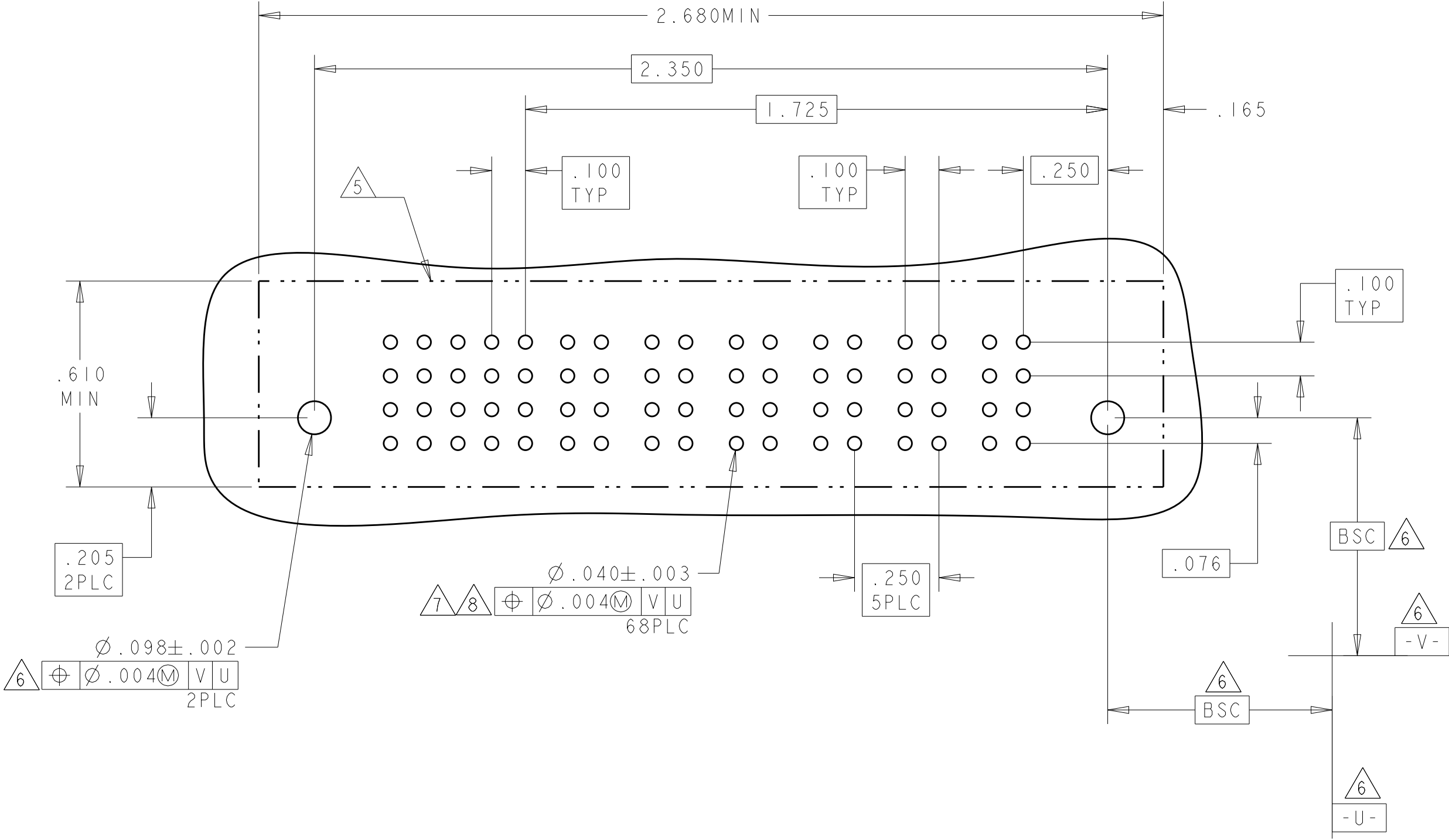
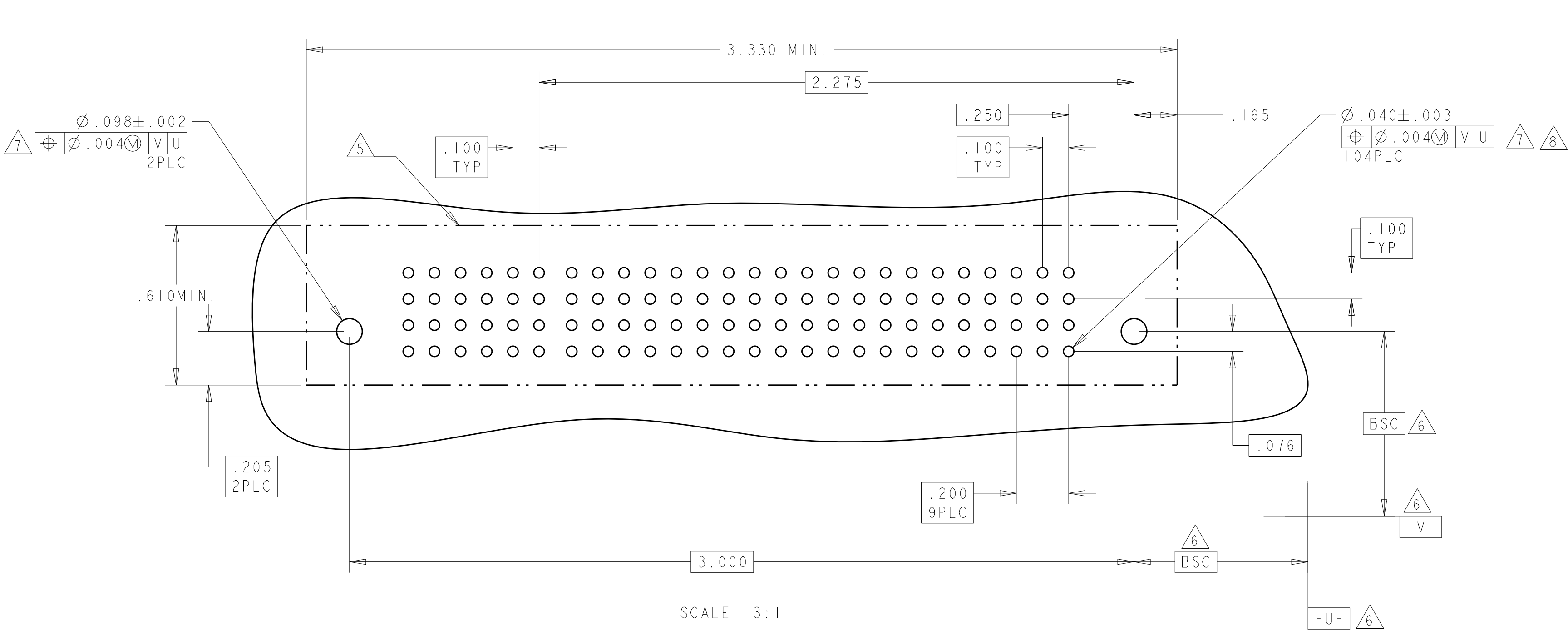
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG CZP GRZYBOWSKI	15FE805		
		CHE M PERCHERKE	15FE805		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		 TE Connectivity	
		Ø PLC ±. PLC ±. PLC ±.01 PLC ±.005 PLC ±.0020 ANGLES ±°	FWD M PERCHERKE PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
MATERIAL -	FINISH -	WEIGHT -	CUSTOMER DRAWING	SIZE CAGE CODE DRAWING NO A100779C6450142	RESTRICTED TO -
				SCALE 4:1	SHEET 3 OF 8 REV D



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

PART NUMBER	HOUSING P/N	ROWS		SIGNAL						POWER										
				6	5	4	3	2	1	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	
1-6450142-1	1-1450182-8	D C B A	HD	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	
				E	E	E	E	E	E											
				E	E	E	E	E	E											
				E	E	E	E	E	E											
10HDP + 24S																				

PART NUMBER	ROWS		SIGNAL					POWER						
			5	4	3	2	1	P6	P5	P4	P3	P2	P1	
1-6450142-3	D C B A		E	E	E	E	E	VM	VM	VM	VM	VM	VM	
			E	E	E	E	E							
			E	E	E	E	E							
			E	E	E	E	E							
6P + 20S			HD											HD



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	15FEB05 15FEB05 -
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC 108-1973	NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
	0 PLC ± 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2° FINISH	APPLICATION SPEC 114-13038	SIZE A1
MATERIAL -	-	WEIGHT -	CAGE CODE 100779
CUSTOMER DRAWING		DRAWING NO. 6450142	RESTRICTED TO -
SCALE 4:1		SHEET 4	OF 8
		REV D	2

Technical drawing of a rectangular plate with a grid of holes. The drawing includes dimensions: overall width 3.080 MIN, overall height .610 MIN, and a central hole grid of 12x4 holes. Hole diameter is .098 ± .002. Spacing between holes is .100 TYP. The plate has a thickness of .165. Surface finish is .076. The plate is labeled "2 PLC" and "92 PLC". The drawing also shows a dashed line indicating a section cut.

4805 (3/11)

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

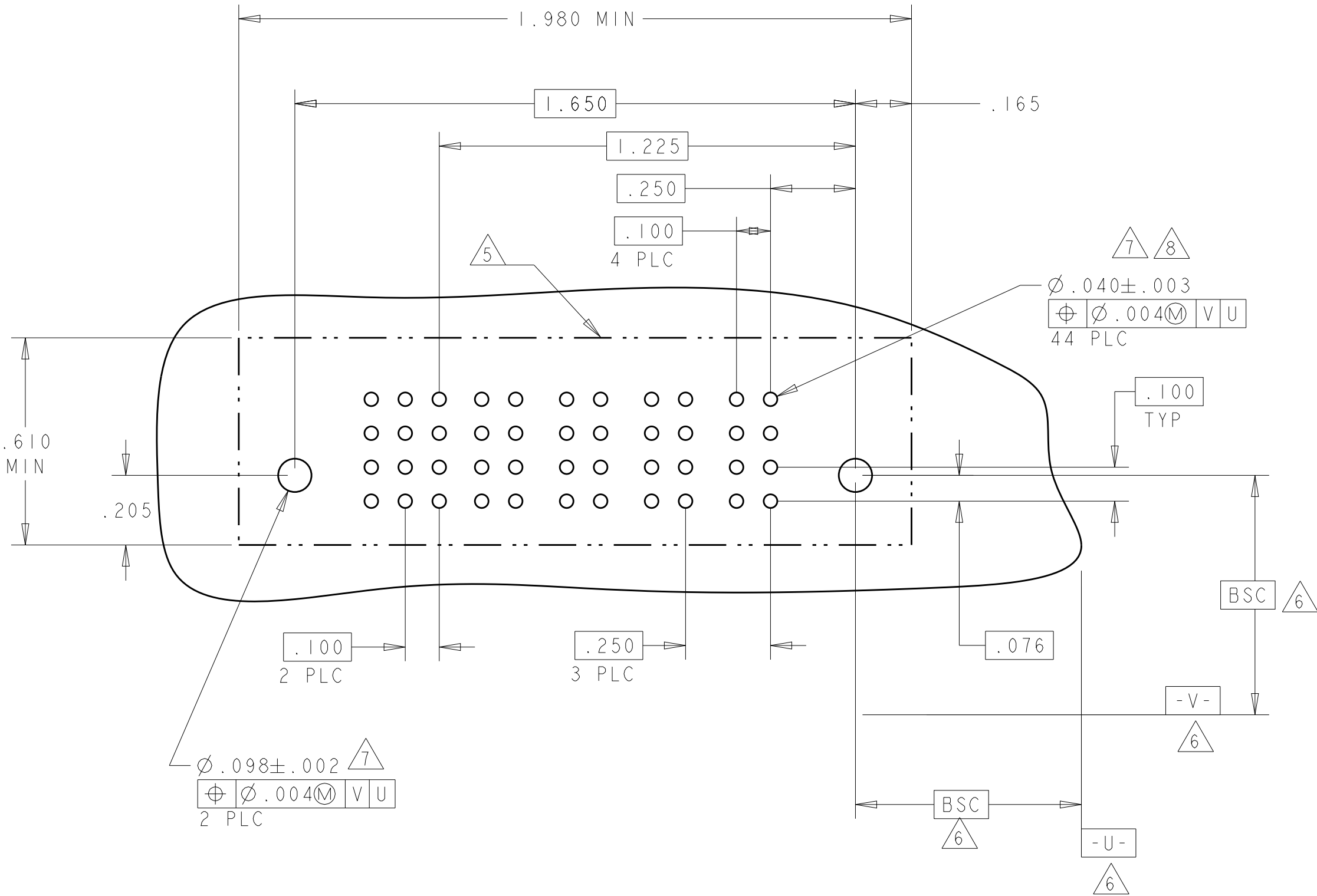
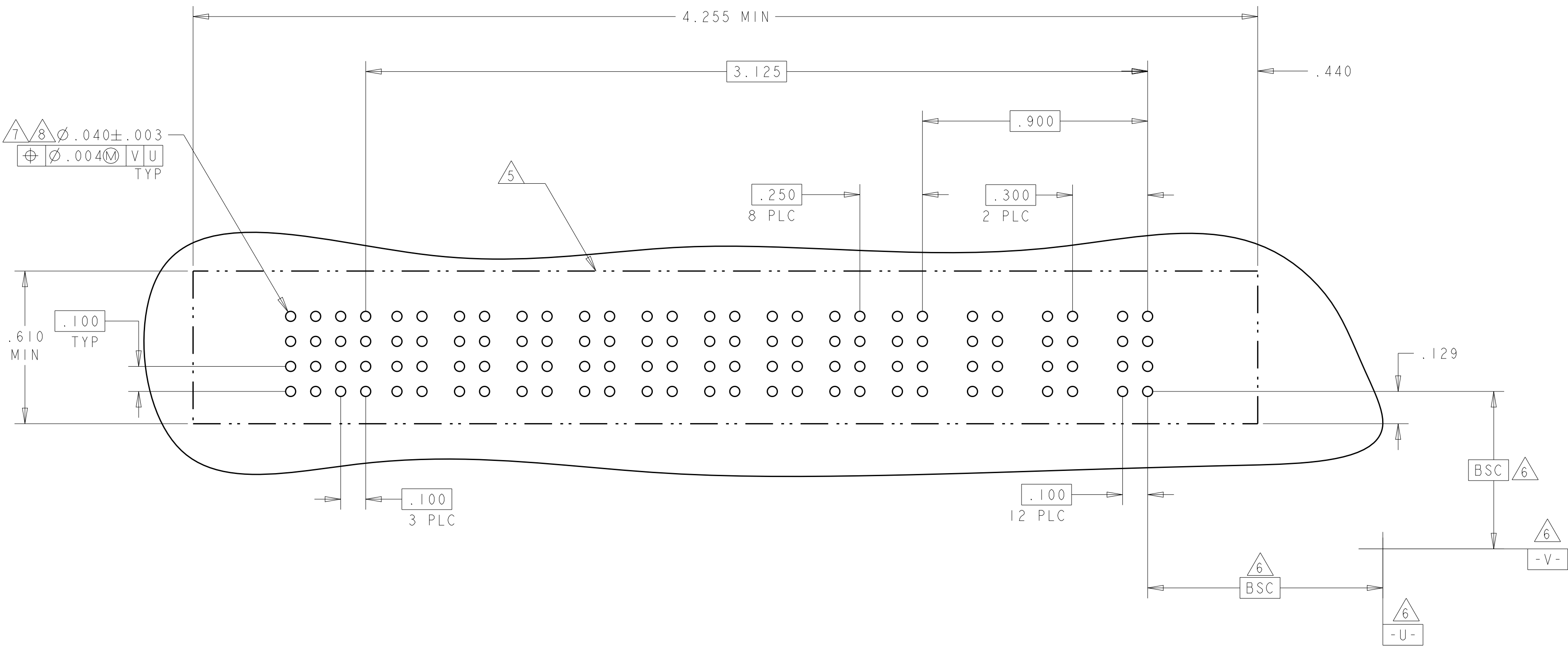
PART NUMBER	ROWS						POWER												
			4	3	2	1	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	
1-6450142-7	D		E	E	E	E	VM	VM	VM	VM	VM	VM	VM	VM	VA	VM	VM		
	E		E	E	E														
	C		E	E	E	E													
	B		E	E	E	E													
			A	E	E	E	E												
3ACP + 9P + 16S																			

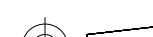
.250
8 PLC

.300
3 PLC

PART NUMBER	ROWS		SIGNAL			POWER					
			3	2	1	P4	P3	P2	P1		
1-6450142-8	D C B A		E	E	E	VA	VA	VA	VA		
			E	E	E						
			E	E	E						
			E	E	E						
4P + 12S											

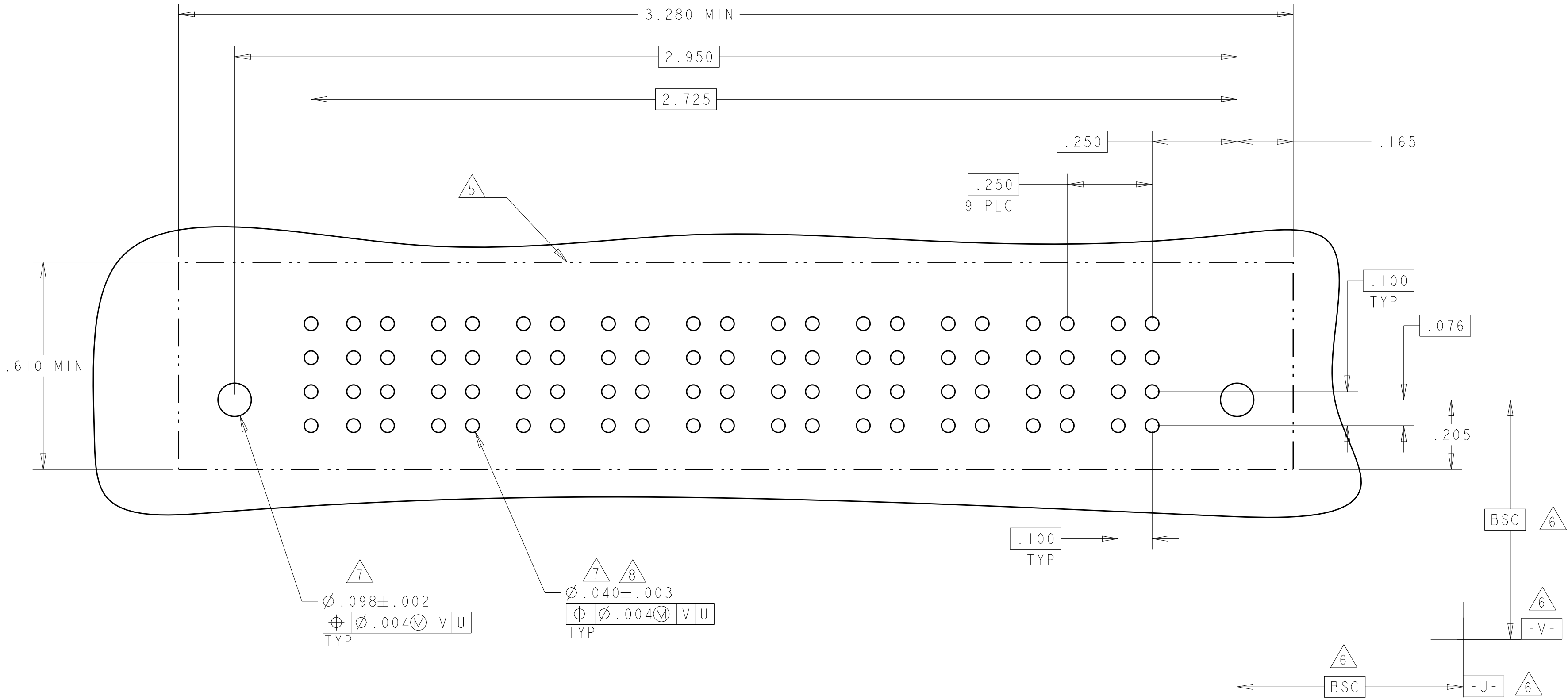
C2



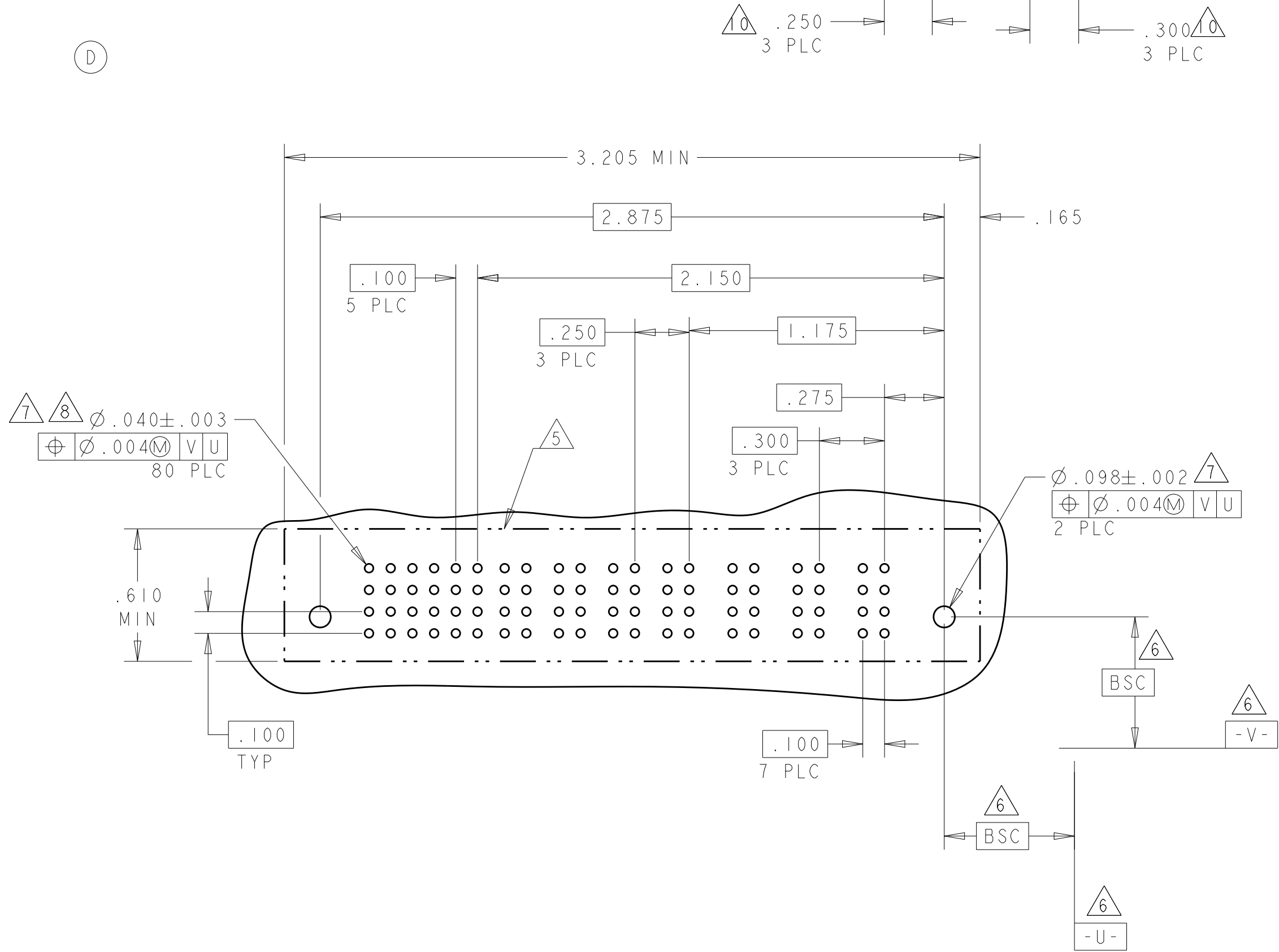
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	15FEB05	 TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE	15FEB05		
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2° FINISH		PRODUCT SPEC	
		108-1973		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		APPLICATION SPEC		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
MATERIAL		114-13038		A100779C6450142	
-		WEIGHT		-	
-		-		-	
-		CUSTOMER DRAWING		SCALE 4:1 SHEET 6 OF 8 REV D2	

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

PART NUMBER	ROWS		SIGNAL	POWER											
			I	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1		
1-6450142-9	D C B A		E												
			E	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM		
			E												
			E												
10P + 4S				HD											HD



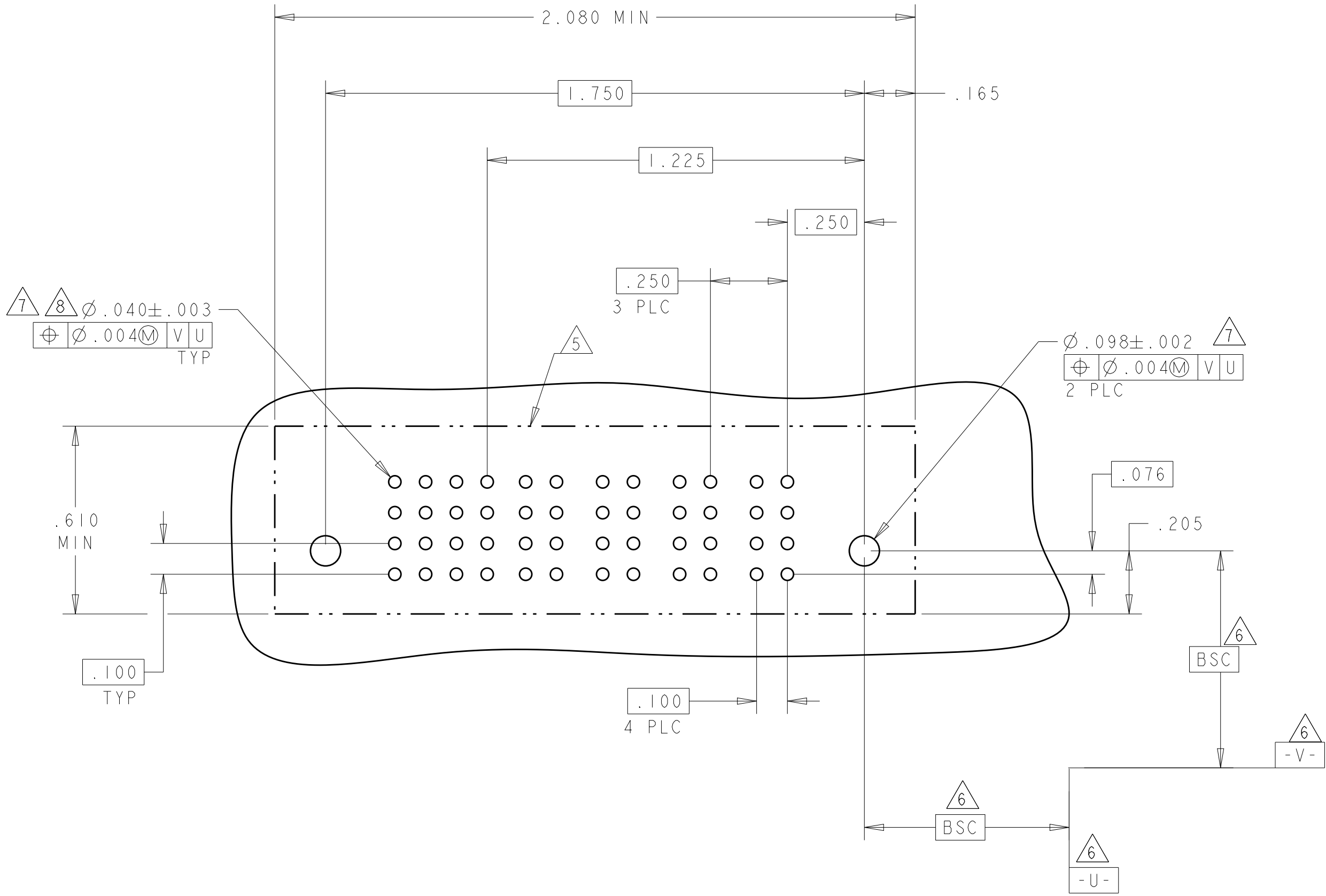
PART NUMBER	ROWS		SIGNAL							POWER							
			6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1		
2-6450142-0	D C B A		E	E	E	E	E	E	VM	VM	VM	VM	VM	VM	VM		
			E	E	E	E	E	E									
			E	E	E	E	E	E									
			E	E	E	E	E	E									
3ACP + 4P + 24S																	



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 15FEB05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 15FEB05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	NAME	
0 PLC ±.01		PRODUCT SPEC	VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
1 PLC ±.01		108-1973		
2 PLC ±.01		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO	
3 PLC ±.005		114-13038	A100779C=6450142	
4 PLC ±.0020		WEIGHT	RESTRICTED TO	
ANGLES ±.0020		CUSTOMER DRAWING	SCALE 4:1 SHEET 7 OF 8 REV D2	
FINISH				

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

PART NUMBER	ROWS		SIGNAL				POWER				
			4	3	2	1	P4	P3	P2	P1	
2-6450142-1	D C B A		E	E	E	E	VA	VA	VA	VA	
			E	E	E	E					
			E	E	E	E					
			E	E	E	E					
											
4P + 16S											



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI CHK M.PERCHERKE APVD M.PERCHERKE	15FEB05 15FEB05 -
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 -		WEIGHT -	
CUSTOMER DRAWING		SCALE 4:1	
SHEET 8 OF 8		REV D2	

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[1-6450142-1](#)