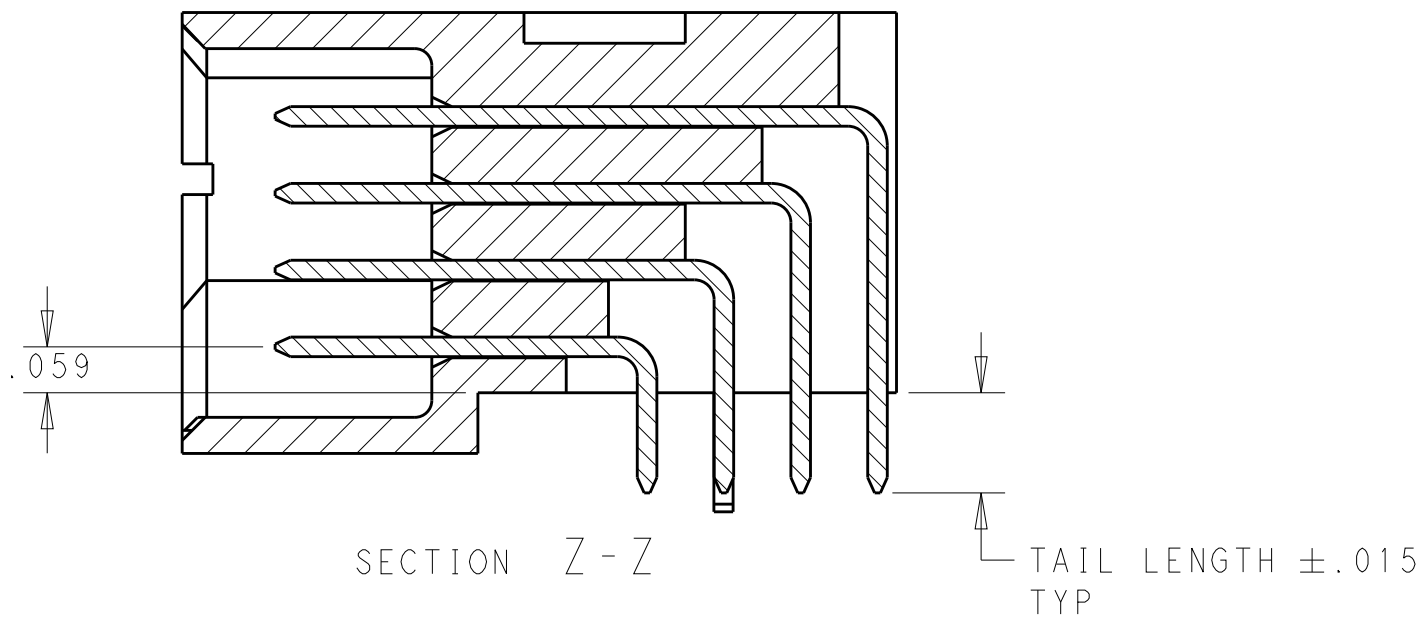
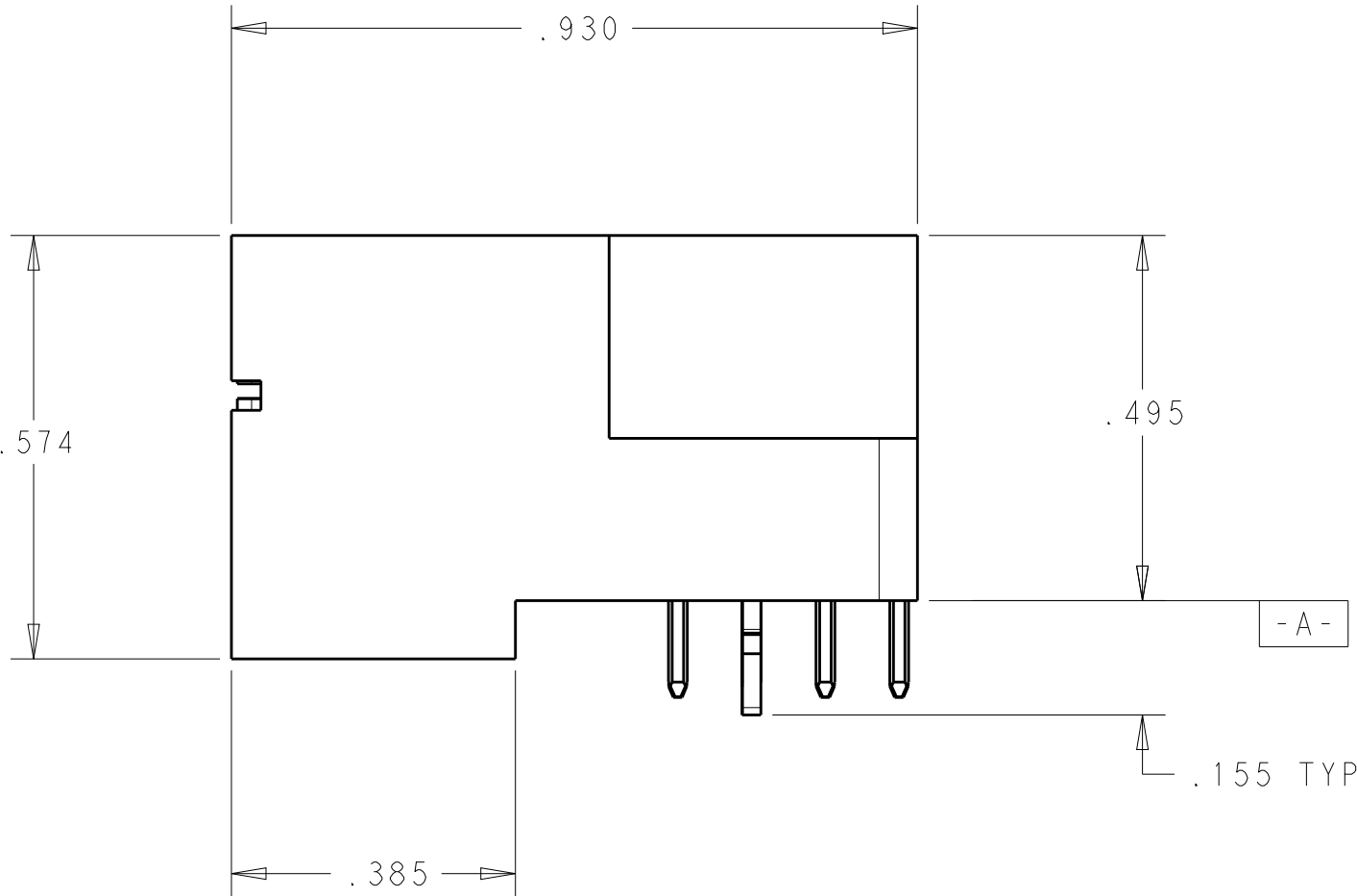
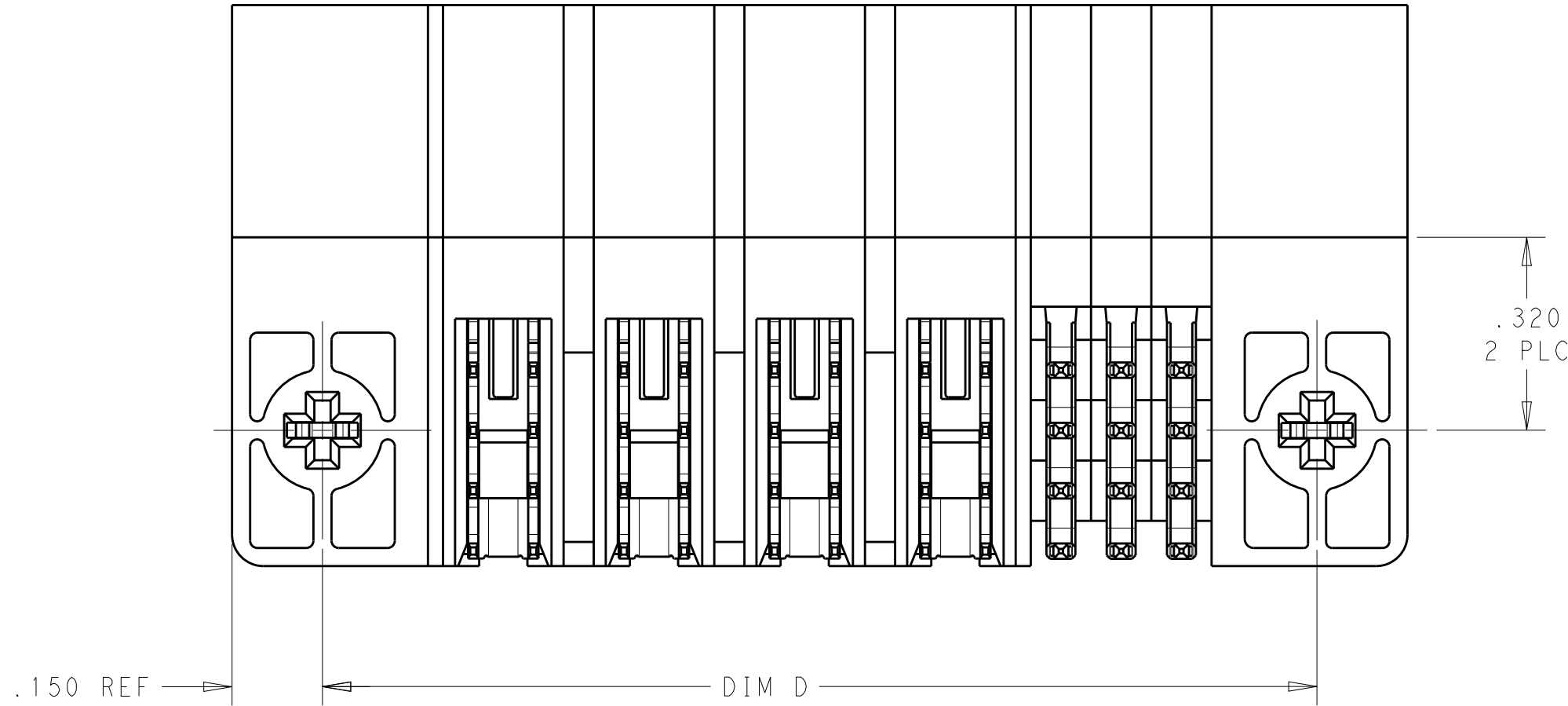
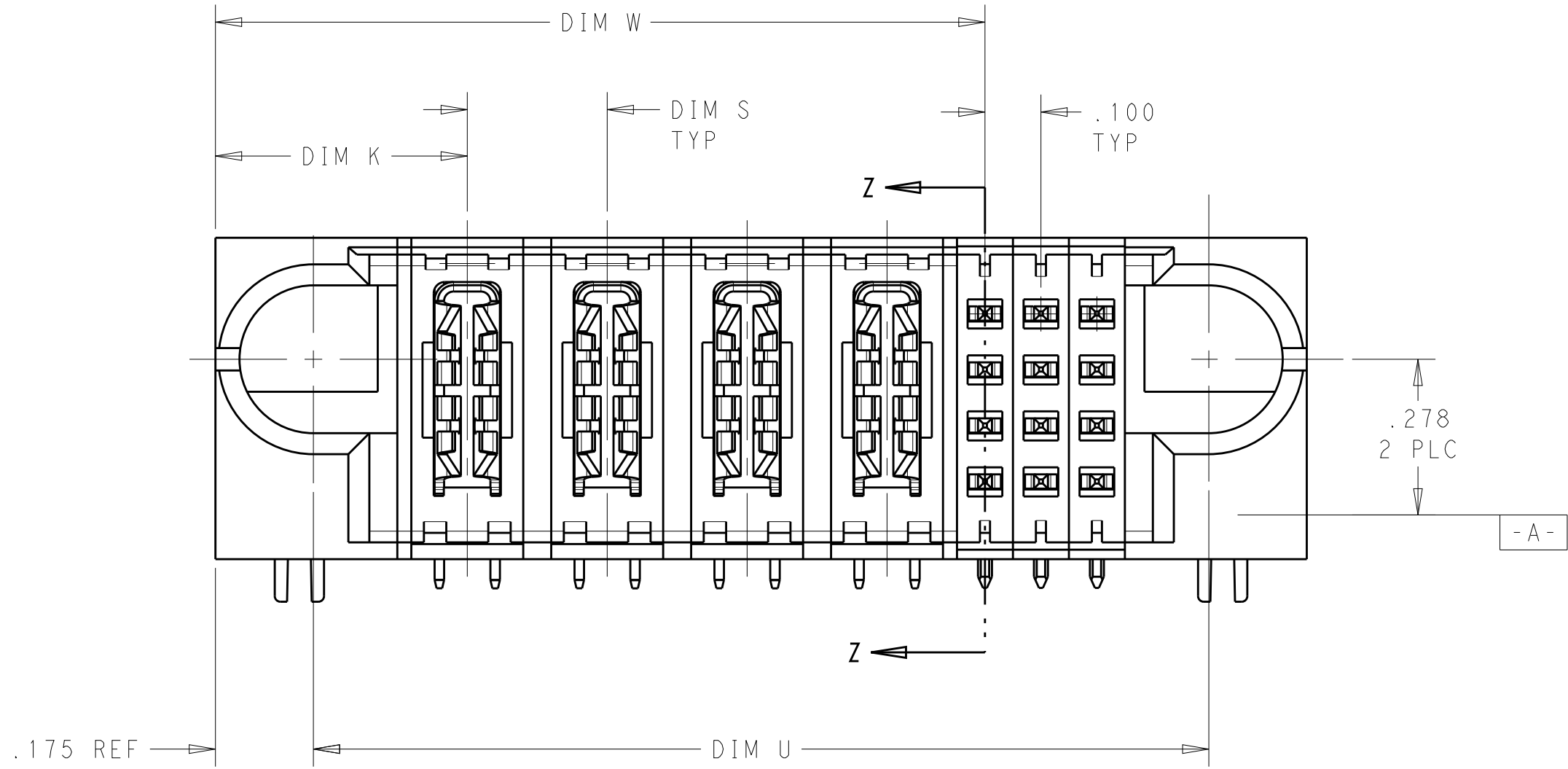
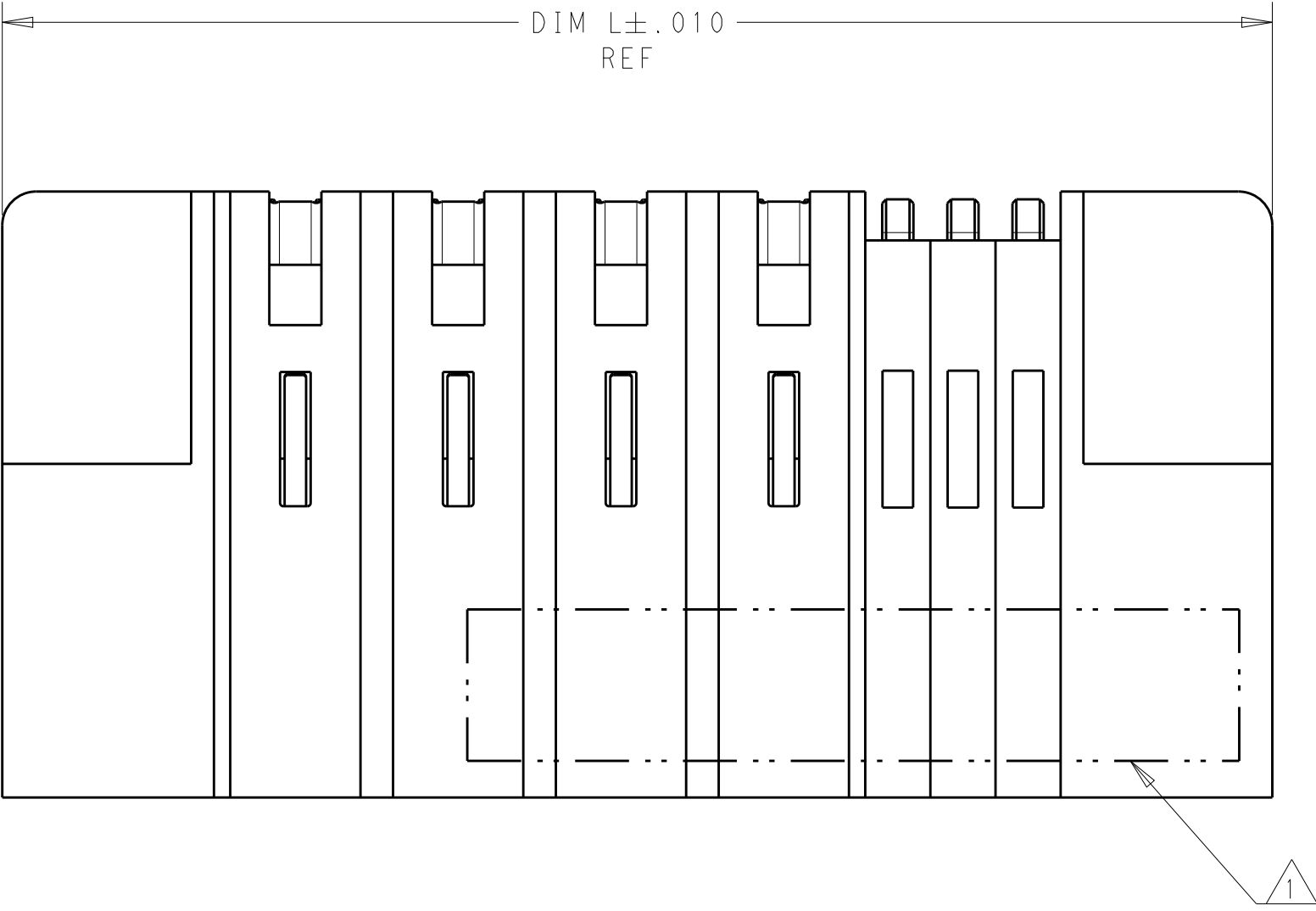


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00		E3	ADD NEW DASH NUMBER	27DEC2013	AL	SZ

- 1 "AMP" TRADEMARK, PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- 2 MATERIAL:
HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC,BLACK, UL94 V-0
SIGNAL CONTACT - COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 3 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS
- 4 MECHANICAL CONNECTOR KEEP OUT ZONE
- 5 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
- 6 PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES
- 7 PCB - .0453+/- .0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 PLATING TO ACHIEVE A .040 DIA HOLE
- 8 VARIABLE DIMENSION SHOWN ON TABLE.
- 9 NOT RELEASED FOR PRODUCTION.



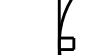
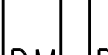
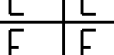
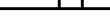
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	10FEB05	 TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE	10FEB05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	-	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL	
		PRODUCT SPEC		SIZE A100779	
		108-1973			
		APPLICATION SPEC			
		114-13038			
		WEIGHT -			
CUSTOMER DRAWING		SCALE 1:1		SHEET 1 OF 11	
MATERIAL - 		RESTRICTED TO -		REV E	

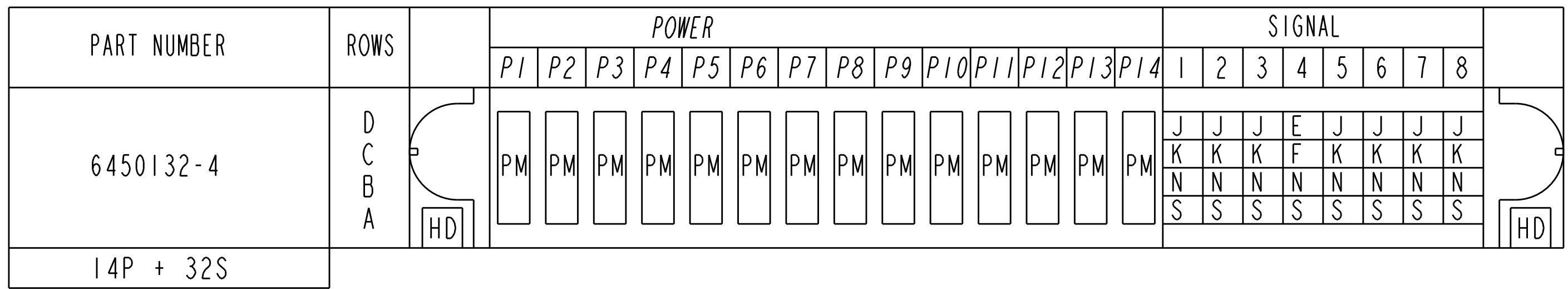
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-		SEE SHEET 1	-	-	-

E3

4.050		3.325	4.100	.450	4.400	4ACP + 9P + 32S	2-6450132-7
4.000	-	.375	4.050	-	4.350	148S	2-6450132-6
3.575		3.125	3.625	.450	3.925	5ACP+6HDP + 20S	2-6450132-5
2.950	.200	2.425	3.000	.450	3.300	10P + 24S	2-6450132-4
2.950	.200	2.425	3.000	.450	3.300	10P + 24S	2-6450132-3
3.350	.200	2.825	3.400	.450	3.700	12HDP + 24S	2-6450132-2
2.950	.200	2.425	3.000	.450	3.300	10P + 24S	2-6450132-1
2.150	.200	1.625	2.200	.450	2.500	6P + 24S	2-6450132-0
3.325		2.800	3.375	.425	3.675	3ACP + 6P + 24S	1-6450132-9
2.075	.300	1.550	2.125	.475	2.425	4ACP + 24S	1-6450132-8
4.000	-	.375	4.050	-	4.350	148S	1-6450132-7
2.300	.250	1.875	2.350	.450	2.650	6P + 20S	1-6450132-6
4.700	.250	3.925	4.750	.450	5.050	14P + 32S	1-6450132-5
2.825		2.300	2.875	.475	3.175	3ACP + 4P + 24S	1-6450132-3
2.900	.250	2.375	2.950	.450	3.250	8P + 24S	1-6450132-2
2.250	.250	1.975	2.300	.475	2.600	6P + 12S	6450132-8
2.675	.250	2.125	2.725	.450	3.025	7P + 24S	6450132-7
1.100	-	.575	1.150	.425	1.450	1P + 24S	6450132-6
2.925	.250	2.375	2.975	.450	3.275	8P + 24S	6450132-5
4.600	.250	3.875	4.650	.450	4.950	14P + 32S	6450132-4
3.000	.250	2.375	3.050	.450	3.350	8P + 28S	6450132-3
1.600	.250	1.375	1.650	.450	1.950	4P + 12S	6450132-2
1.600	.250	1.375	1.650	.450	1.950	4P + 12S	6450132-1
DIM U	DIM S	DIM W	DIM D	DIM K	DIM L	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI CHK M.PERCHERKE		10FEB05 10FEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2° FINISH		APVD M.PERCHERKE PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT -		NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL -	
MATERIAL -				SIZE 100779 CAGE CODE 6450132 DRAWING NO		RESTRICTED TO -	
CUSTOMER DRAWING				SCALE 1:1		SHEET 2 OF 11 REV E3	

PART NUMBER	ROWS		POWER								SIGNAL							
			P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	7	
6450132-3	D C B A										E	E	E	E	E	E	E	
											F	F	F	F	F	F	F	
											G	G	G	G	G	G	G	
											S	S	S	S	H	H	H	
8P + 28S																		

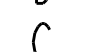
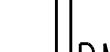
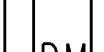
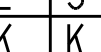
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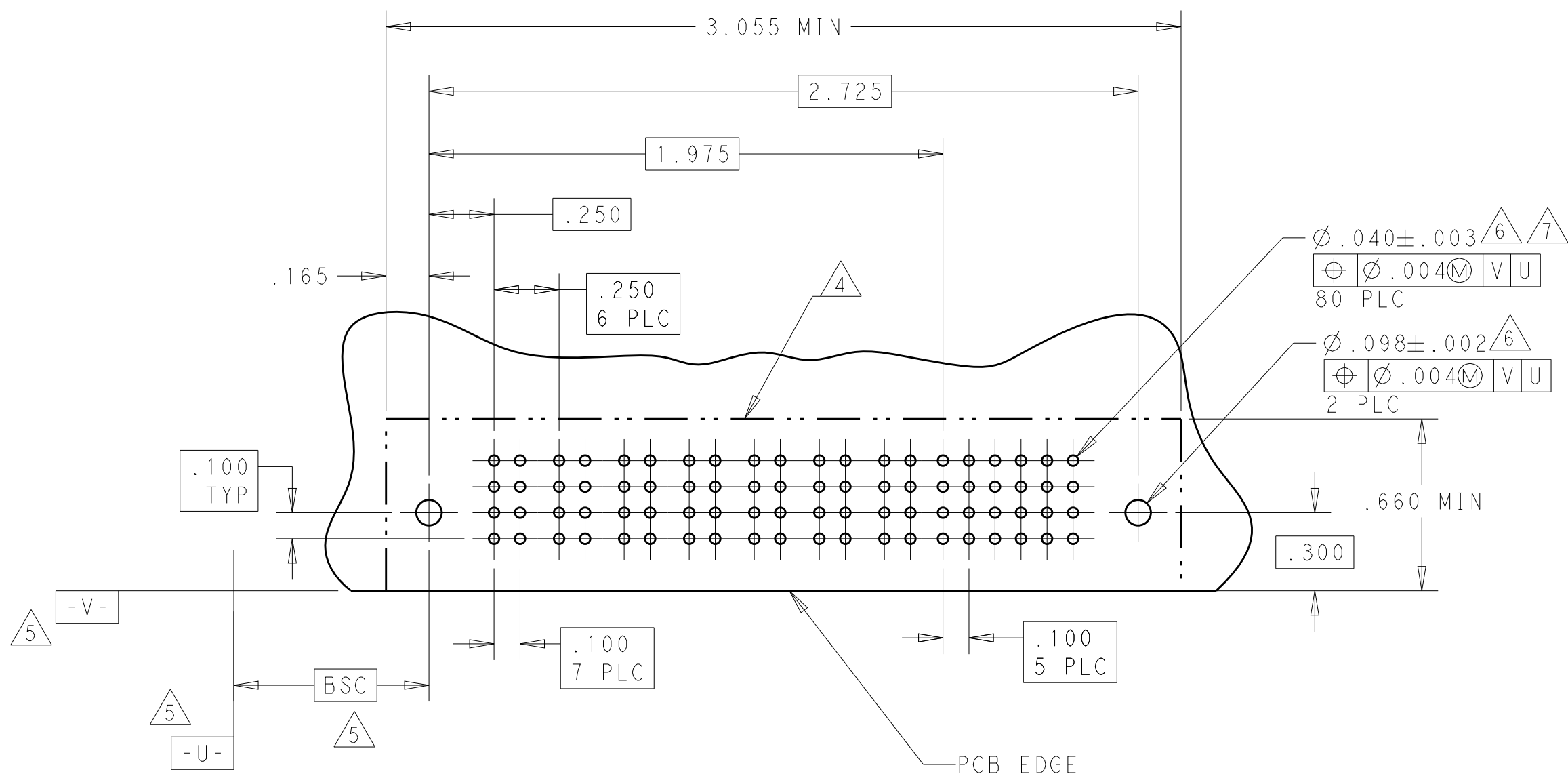
This is a detailed mechanical drawing of a PCB edge connector. The drawing includes the following features and dimensions:

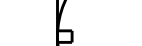
- Overall Dimensions:**
 - Top horizontal dimension: 4.980 MIN
 - Bottom horizontal dimension: 4.650
 - Right vertical dimension: .660 MIN
- Feature Callouts and Tolerances:**
 - Top left: .100 TYP
 - Top center: .250 (13 PLC)
 - Top right: $\varnothing .040 \pm .003$ (6/7), $\varnothing .004$ M (V U), 144 PLC
 - Bottom left: -U- (5), -V- (5)
 - Bottom center: .100 (14 PLC), .165
 - Bottom right: .100 (7 PLC), $\varnothing .098 \pm .002$ (6), $\varnothing .004$ M (V U), 2 PLC
- Other Features:**
 - A wavy line representing the connector profile.
 - A dashed line indicating a specific feature or boundary.
 - A label "PCB EDGE" with an arrow pointing to the bottom edge.
 - A label "BSC" (Basic) with an arrow pointing to the bottom edge.

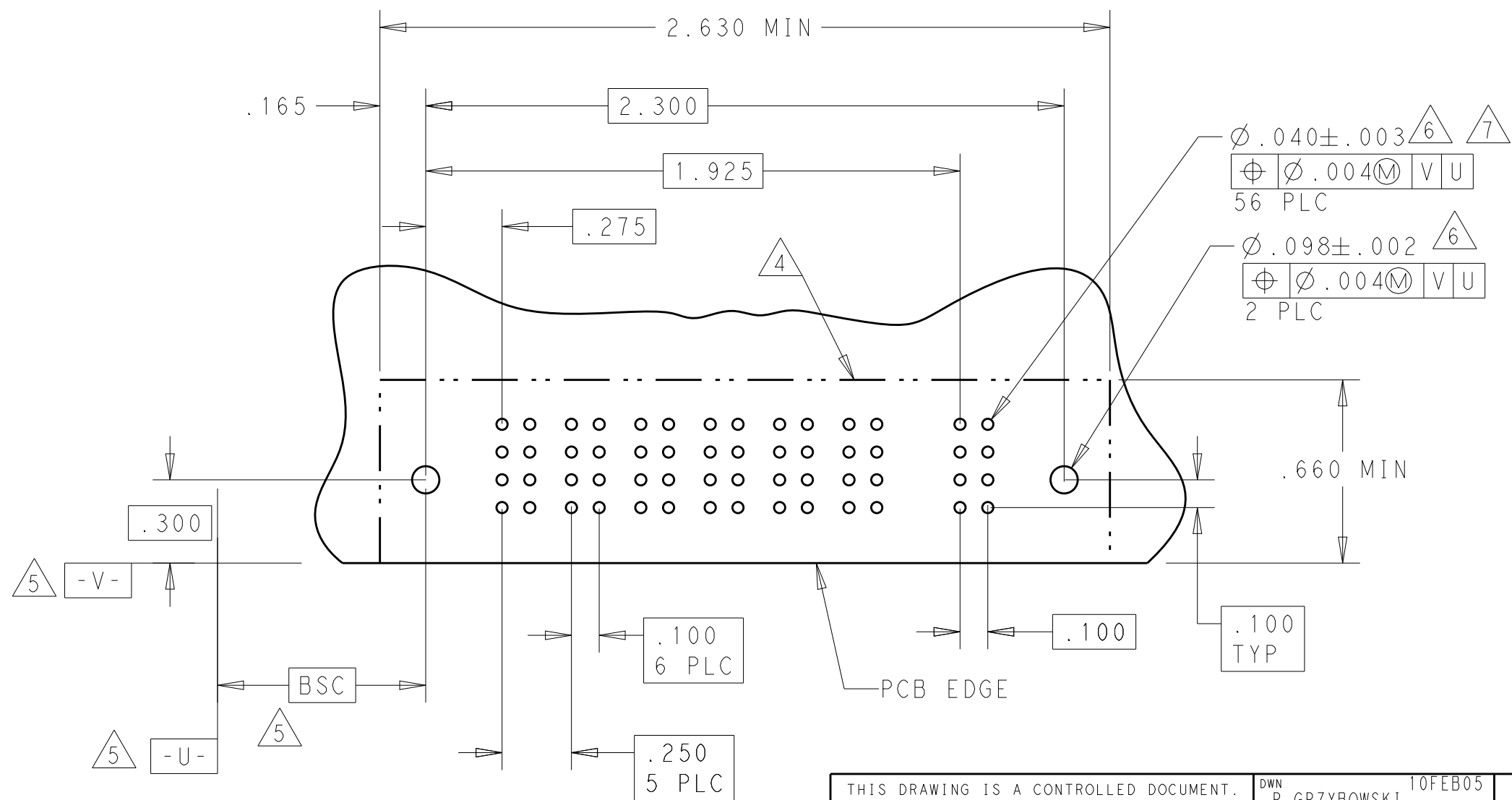
Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL CONTACT			

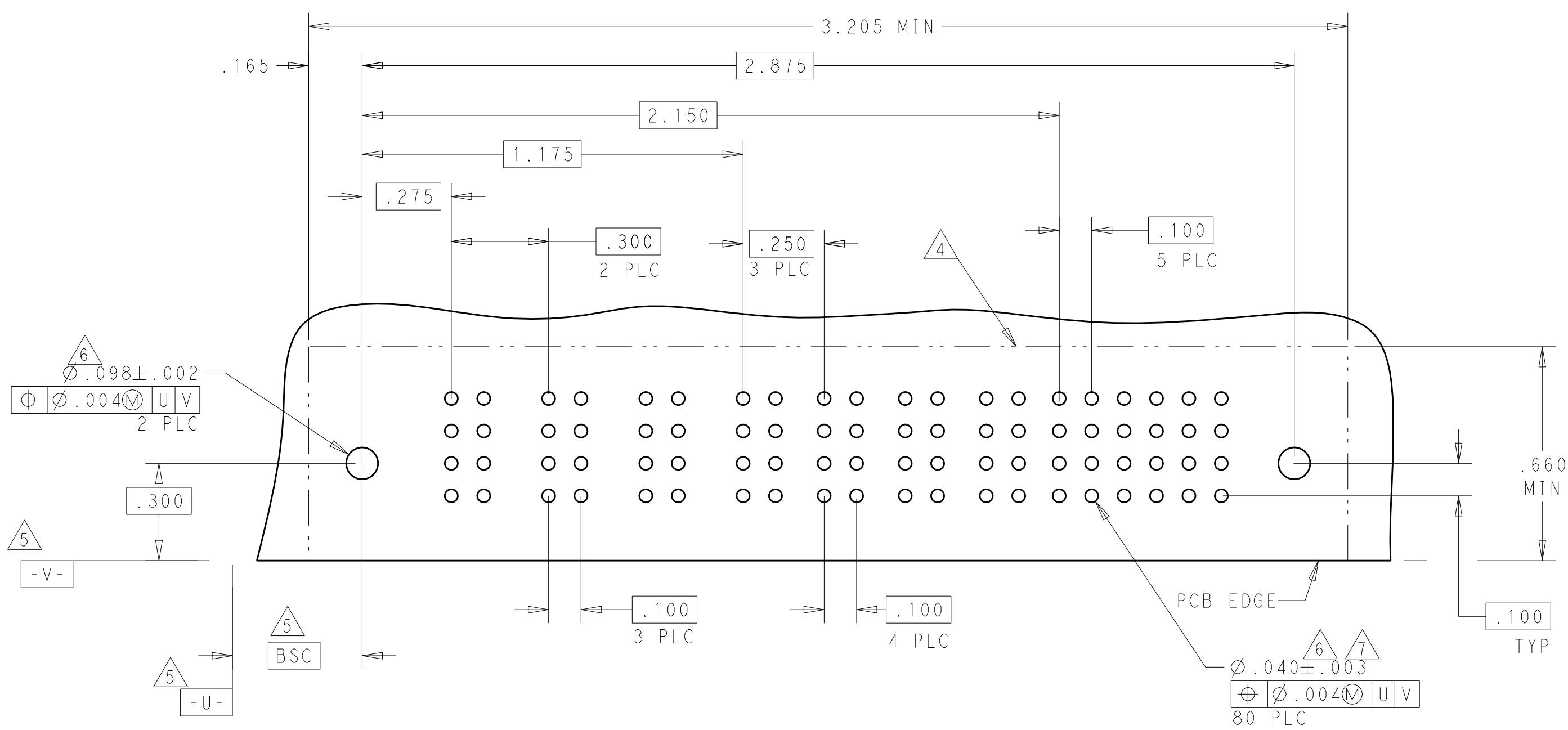
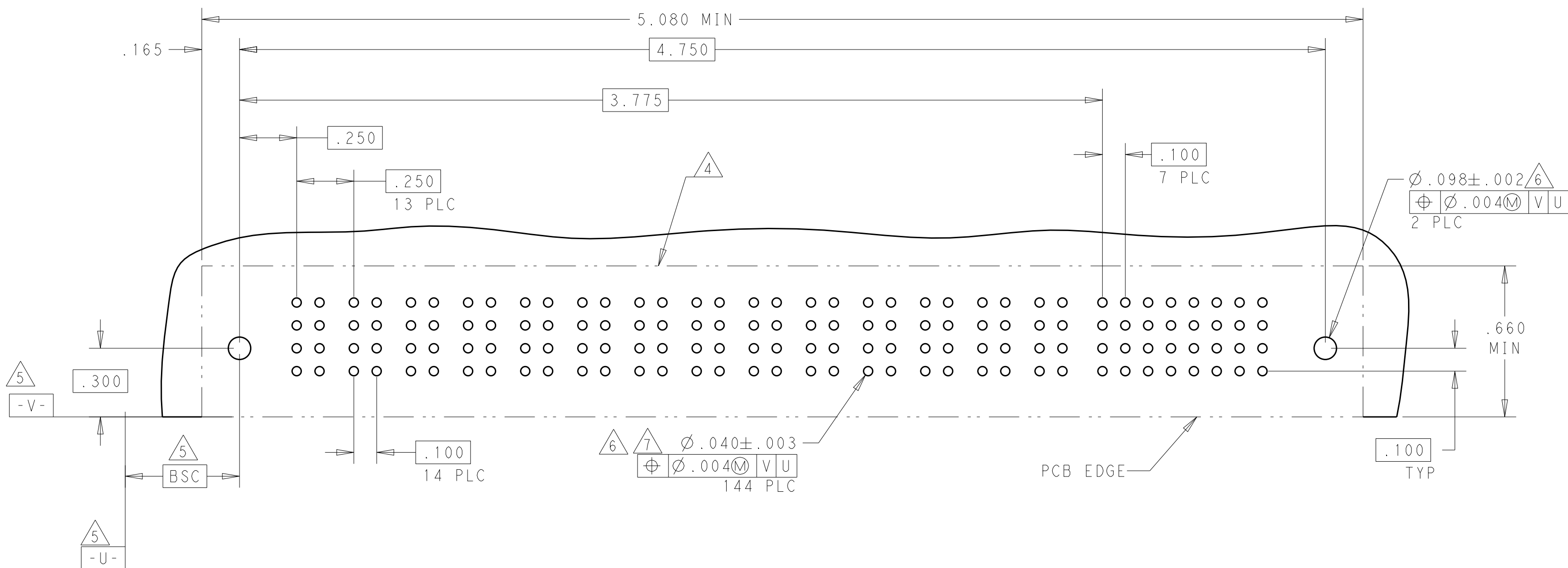
THIS DRAWING IS A CONTROLLED DOCUMENT.						DWA	R GRZYBOWSKI	T0FEB05
						CW	M PERCZERKE	-
						PWD	M PERCZERKE	T0FEB05
DIMENSIONS:						TE Connectivity		
INCHES						BRIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL		
						NAME		
0 PLC ± 1 PLC ± 2 PLC ± .01 3 PLC ± .005 4 PLC ± .0020 ANGLES ±°						PRODUCT SPEC		
						108-1973		
						APPLICATION SPEC		
						114-13038		
MATERIAL						SIZE CASE CODE DRAWING NO		
						A1 00779 C=6450132		
FINISH						RESTRICTED TO		
						-		
						WEIGHT		
						-		
CUSTOMER DRAWING						SCALE 1 : 1 SHEET 3 OF 11 REV F		

PART NUMBER	ROWS		POWER							SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6	
6450132-7	D C B A									J	J	E	J	J	J	
										K	K	K	K	K	K	
										N	N	N	N	N	N	
										S	S	S	S	S	S	
7P + 24S																



PART NUMBER	ROWS		POWER						SIGNAL			
			P1	P2	P3	P4	P5	P6	1	2	3	
6450132-8	D C B A											
6P + 12S												

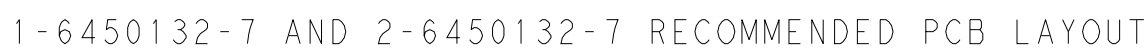
4805 (3/11)

[illegible]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: GRZYBOWSKI 10FEB05 CHK: M. PERCHERKE 10FEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS: ±. FRACTIONS: ±. Holes: ±.01 PUNCHES: ±.005 PUNCHES: ±.0020 ANGLES: ±°		NAME: RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL	
		PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038		SIZE: CAGE CODE: DRAWING NO: 100779C-6450132	
MATERIAL: -		WEIGHT: -		RESTRICTED TO: -	
FINISH: -		CUSTOMER DRAWING: -		SCALE: 1:1 SHEET 5 OF 11 REV: E	

PART NUMBER	ROWS		SIGNAL																SIGNAL																					
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		33	34	35	36	37
2-6450132-6	D C B A	 	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J		
			K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	
			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
148S																																								

E2

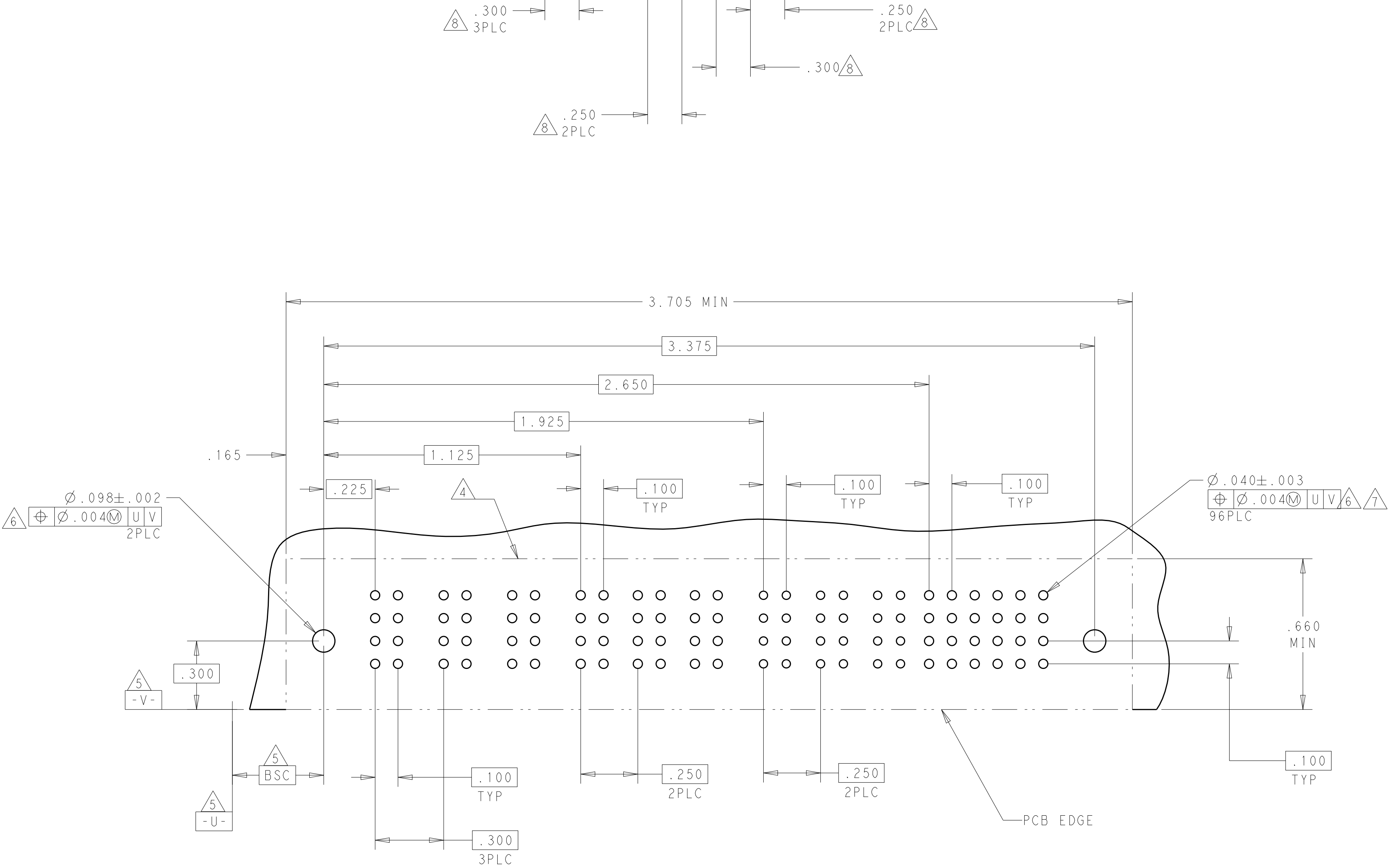


Technical drawing of a PCB layout for a 10FE805 component. The drawing shows a rectangular PCB with a central array of 100 circular pads arranged in 10 rows and 10 columns. Dimensions are provided in inches, including overall length (2.455 MIN), width (.660 MIN), and various pad and spacing dimensions. Callouts include 'PCB EDGE', '3 PLC', '4 PLC', and '5 PLC'. A note at the bottom states: 'THIS DRAWING IS A CONTROLLED DOCUMENT. OWN: GRZYBOWSKI'.

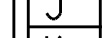
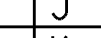
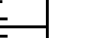
4805 (3/11)

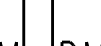
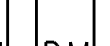
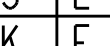
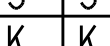
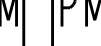
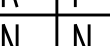
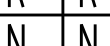
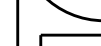
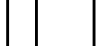
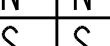
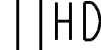
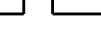
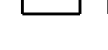
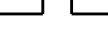
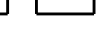
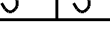
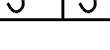
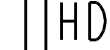
LOC	DIST	REVISIONS					
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

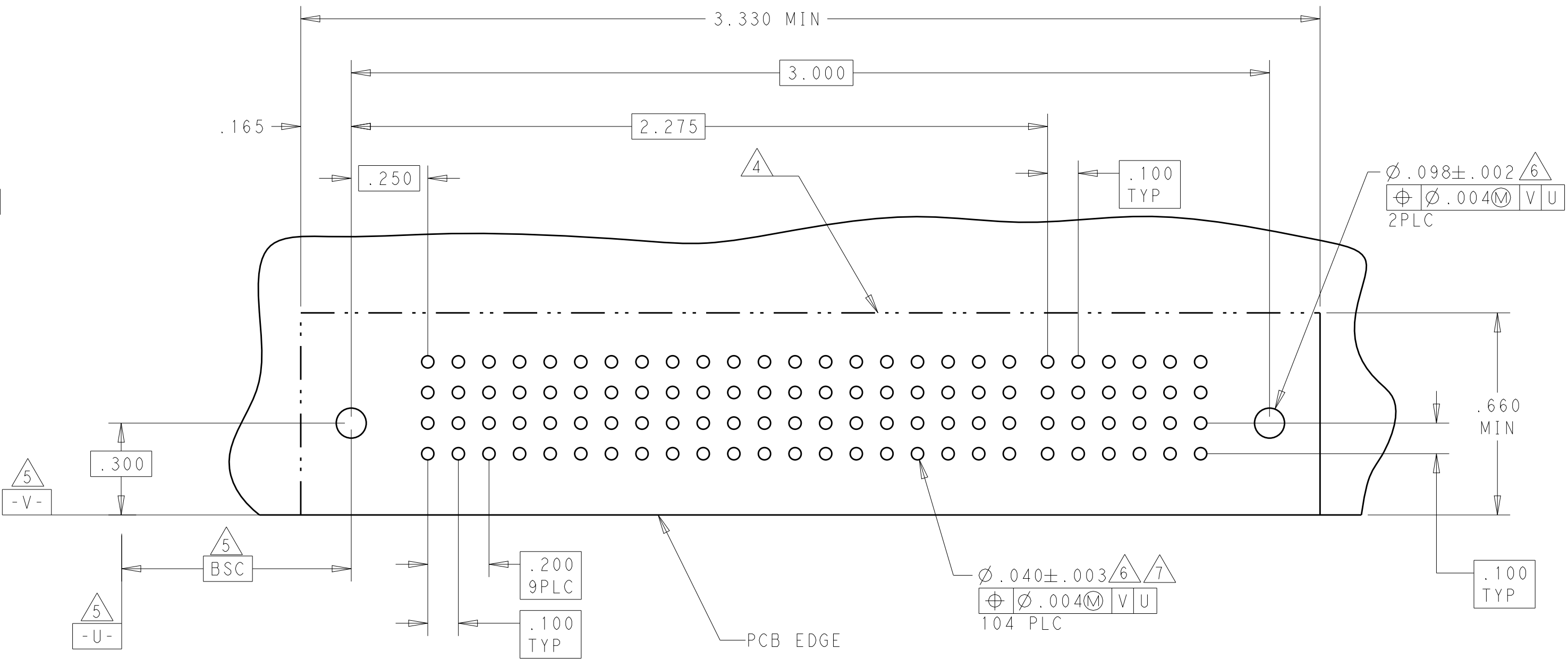
PART NUMBER	ROWS		POWER									SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	
1-6450132-9	D	HD	PM	PM	PM	PM	PM	PM	PM	PM	J	E	J	J	J	J		
	K										K	K	K	K	K			
	N										N	N	N	N	N			
	S										S	S	S	S	S			
3ACP + 6P + 24S																		



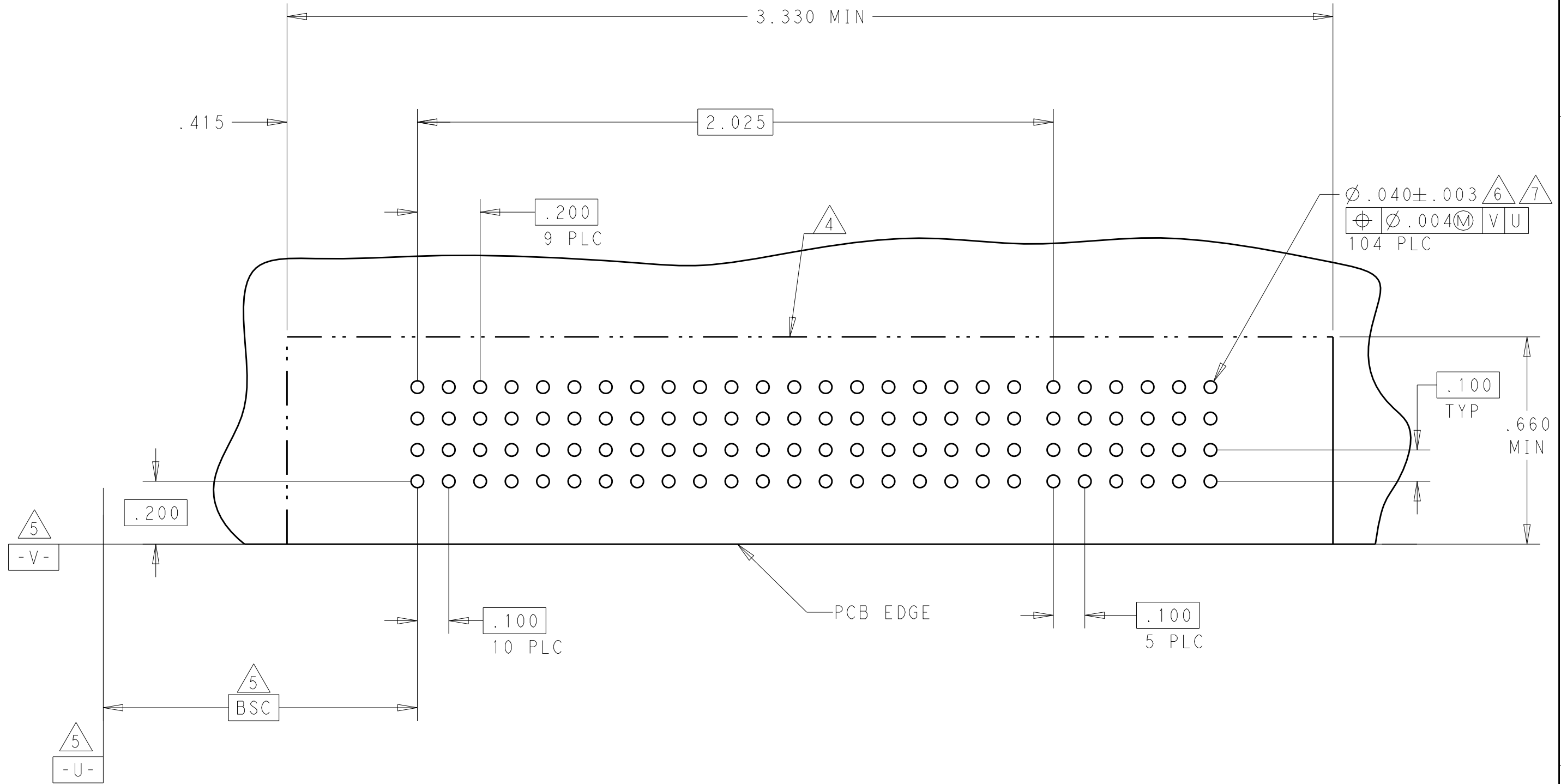
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	10FEB05	TE Connectivity	
DIMENSIONS: INCHES		CHK M.PERCHEKKE	10FEB05		
		APVD M.PERCHEKKE	-	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL	
		PRODUCT SPEC 108-1973		SIZE A100779	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC 114-13038		CAGE CODE C=6450132	
MATERIAL -		WEIGHT -		RESTRICTED TO -	
FINISH -		CUSTOMER DRAWING		SCALE 1:1	
				SHEET 7 OF 11	
				REV E3	

PART NUMBER	ROWS		POWER										SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5	6	
2-6450132-1	D C B A																		
10P + 24S																			

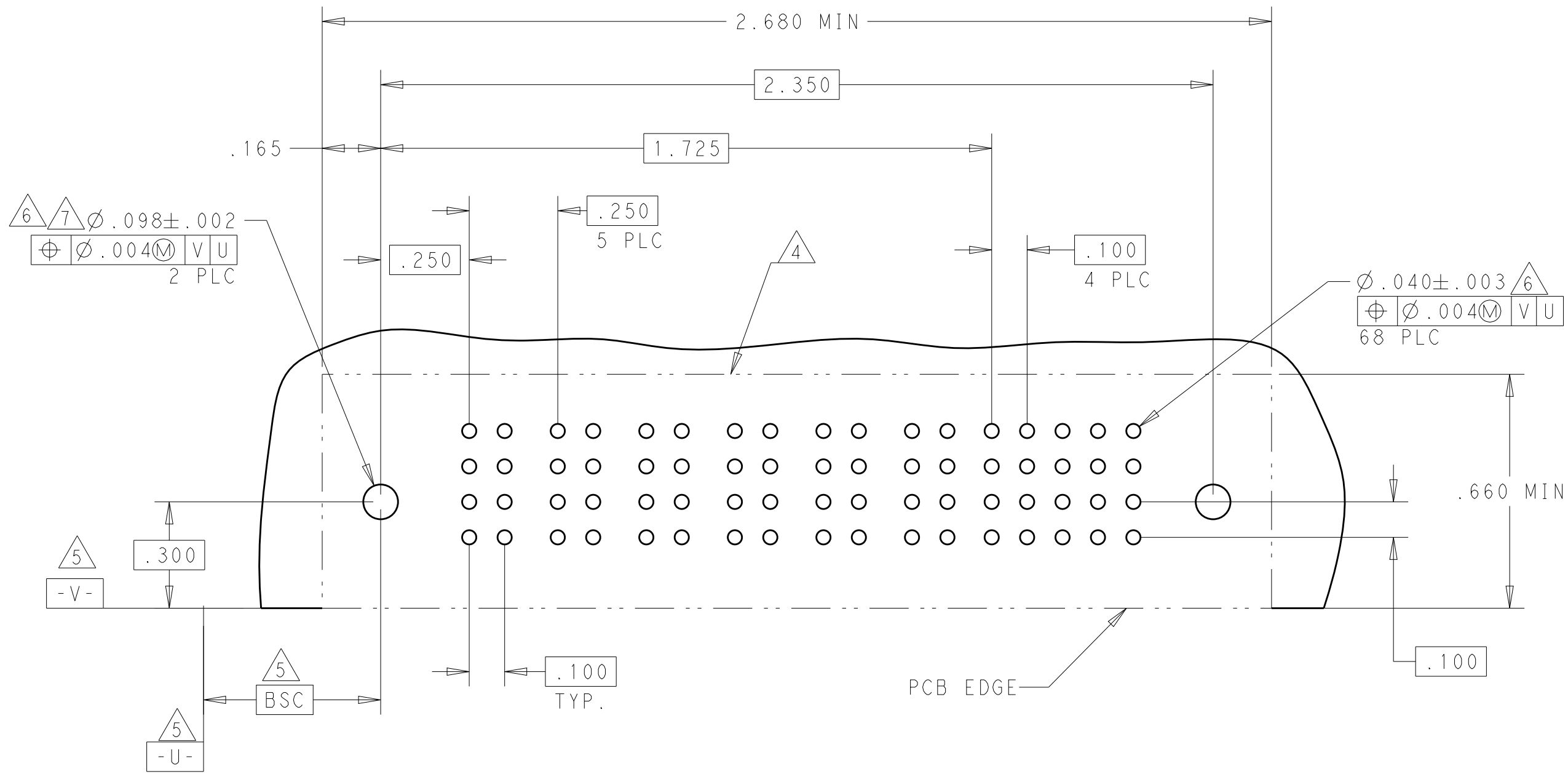
PART NUMBER	ROWS		POWER										SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5	6	
2-6450132-3	D C B A												J	E	J	J	J	J	
													K	F	K	K	K	K	
													N	N	N	N	N	N	
													S	S	S	S	S	S	
10P + 24S																			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWA R. GRZYBOWSKI		10FEB05		 TE Connectivity	
		CHP M. PERCHERKE		10FEB05			
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME		RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.005 4 PLC ±.0020 ANGLES ±°		PART NO. M. PERCHERKE PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038			
MATERIAL		FINISH		WEIGHT		CUSTOMER DRAWING SCALE 1:1 SHEET 8 OF 11 REV E	

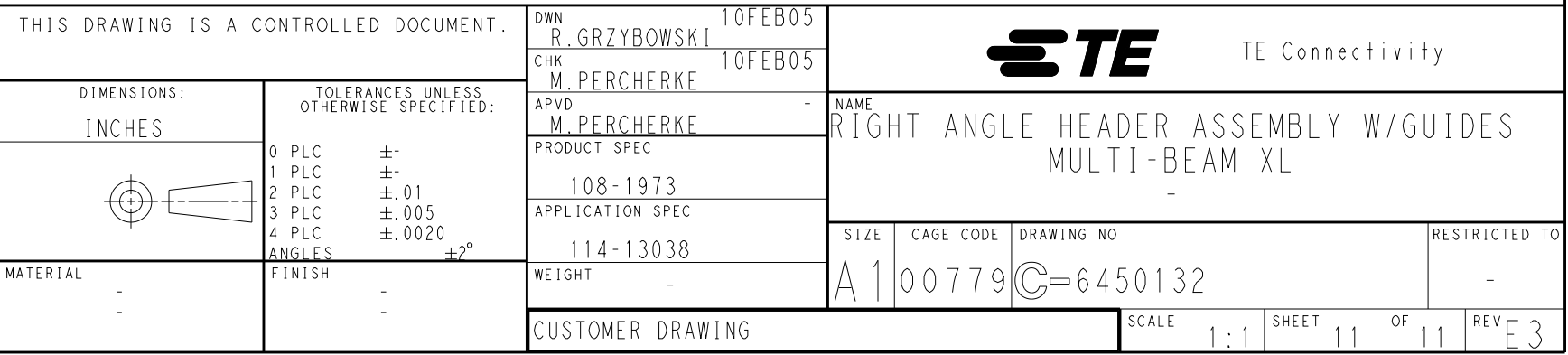
[illegible]4805 (3/11)

PART NUMBER	ROWS		POWER						SIGNAL					
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	
1-6450132-6	D							J	J	J	J	J		
	K							K	K	K	K			
	N							N	N	N	N			
	H							S	S	S	S			
6P + 20S														

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The figure contains two schematic diagrams of a feedback control loop. Each diagram shows a setpoint (SP) and a feedback (FB) signal entering a summing junction, which produces an error signal (e).

- Left Diagram (3 PLC):** The setpoint is $.300$ and the feedback is $.200$. The error signal is $e = .300 - .200 = .100$, which is positive. The text "3 PLC" is written below the setpoint.
- Right Diagram (8 PLC):** The setpoint is $.200$ and the feedback is $.300$. The error signal is $e = .200 - .300 = -.100$, which is negative. The text "8 PLC" is written below the setpoint.



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