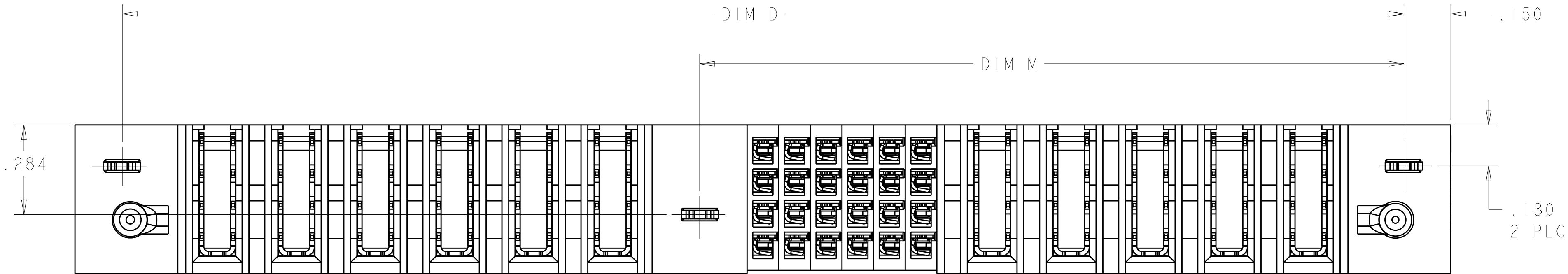
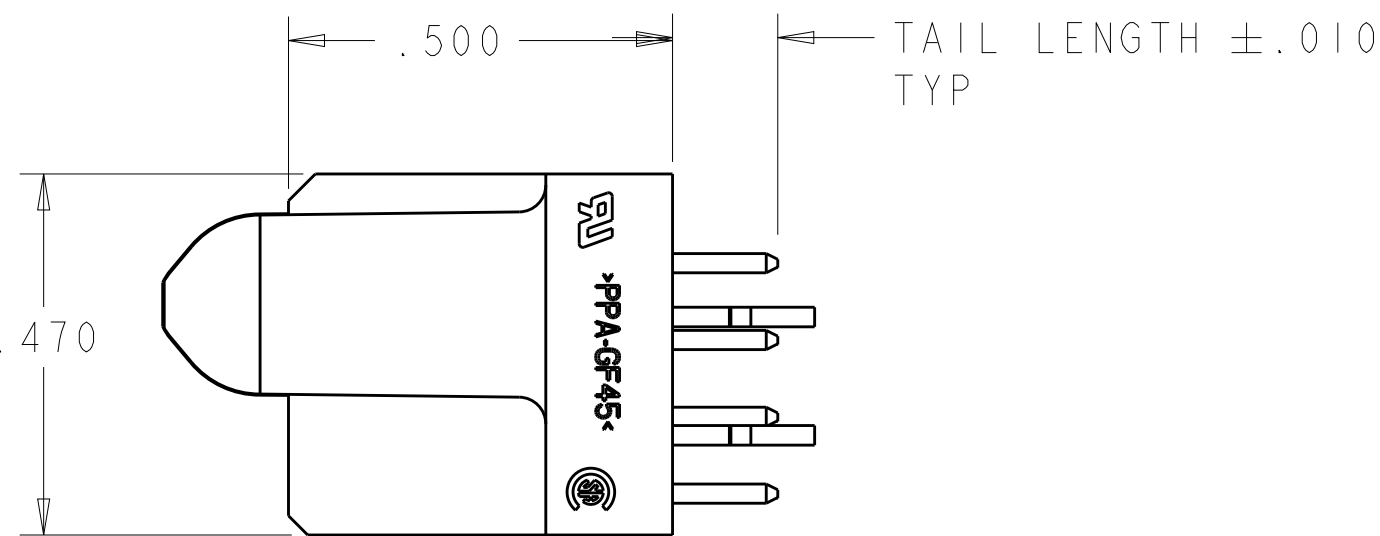
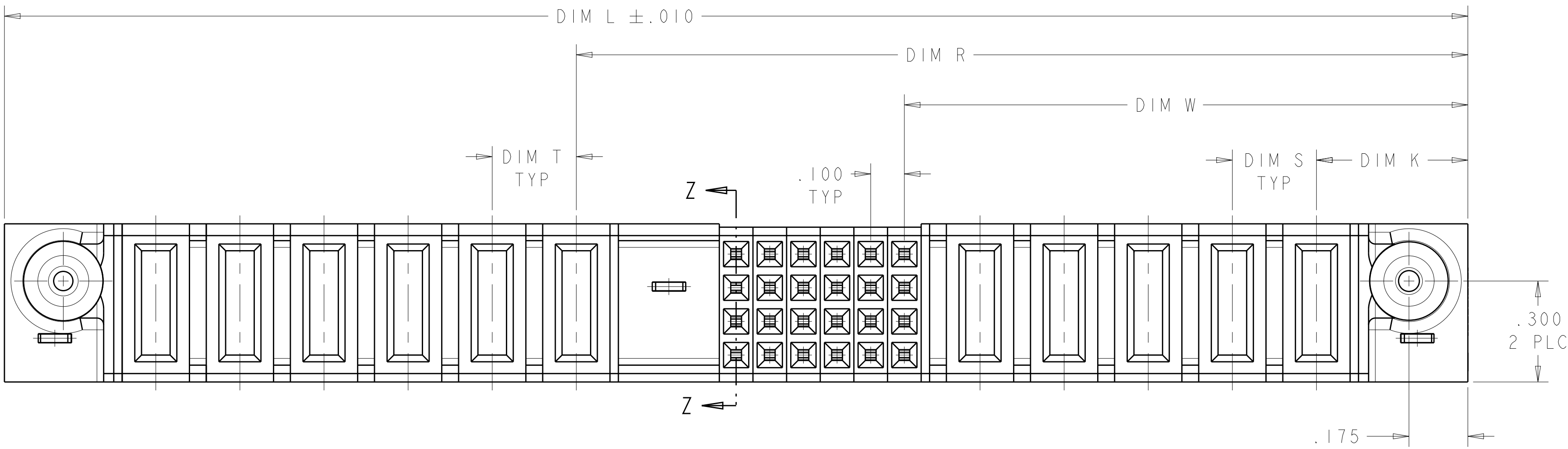
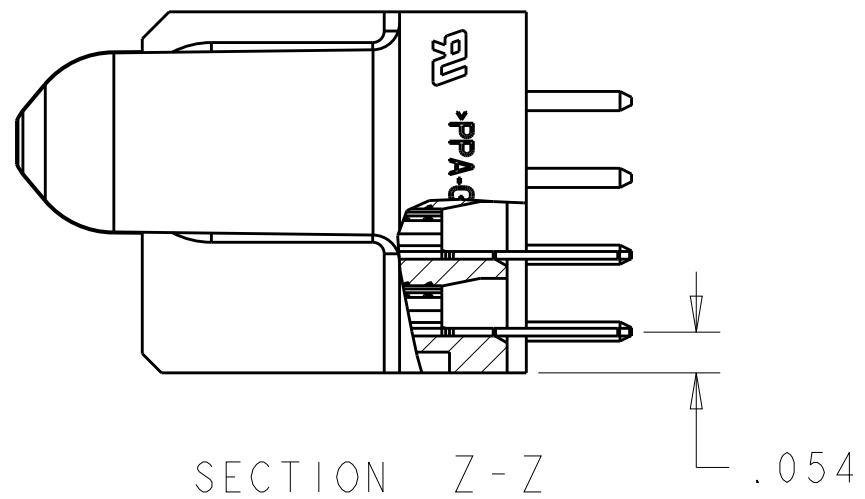
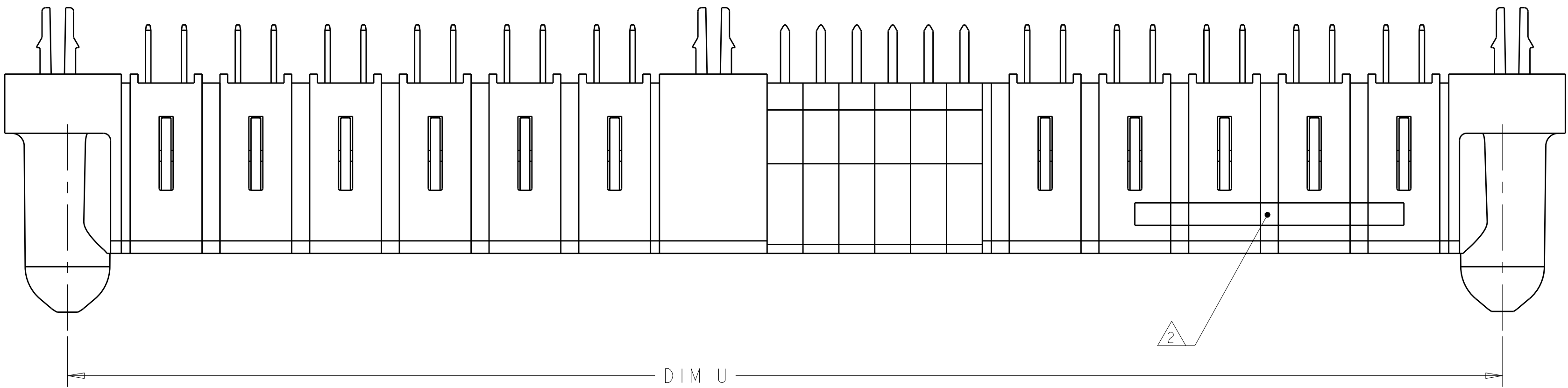


LOC		DIST		REVISIONS			
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		E1		ADD 3-6450140-4	02APR2011	OL	SZ
		E2		REV PER ECR-11-008606	29APR2011	OL	SZ
		E3		ADDED NEW DASH NUMBER 3-5 AND 3-6	09MAR2012	CZ	SZ
		E4		REVISED	23APR2012	CZ	SZ



- 1 OPTIONAL CENTER MODULE, WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE
- 2 "AMP", TRADEMARK, PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN.
- 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 Cu PLATING TO ACHIEVE A .040 HOLE



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	15FEB05	TE Connectivity	
		CHK M.PERCHEKKE	15FEB05		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ±"		PRODUCT SPEC	
		1 PLC ±.01		108-1973	
		2 PLC ±.01		APPLICATION SPEC	
		3 PLC ±.005		114-13038	
		4 PLC ±.0020		WEIGHT	
		ANGLES ±2°		CUSTOMER DRAWING	
MATERIAL		FINISH		SCALE 2:1	
-		-		SHEET 1 OF 11	
3		4		REV E4	

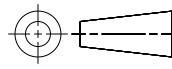
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-

E3

1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	3-6450140-6
1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	3-6450140-5
2.700	.250	.250	2.100	1.125	2.750	-	3.050	.450	3P + 36S + 3P	3-6450140-4
3.200	.250	.250	2.350	1.375	3.250	-	3.550	.450	4P + 36S + 4P	3-6450140-1
3.500	.250	.250	2.150	1.875	3.550	-	3.850	.450	6P + 8S + 6P	3-6450140-0
2.500	.250	.250	1.650	1.375	2.550	-	2.850	.450	4P + 8S + 4P	2-6450140-9
2.900	.250	.250	2.050	1.375	2.950	-	3.250	.450	4P + 24S + 4P	2-6450140-8
2.400	.250	.250	2.050	1.375	2.450	-	2.750	.450	4P + 24S + 2P	2-6450140-7
3.700	.300	.200	2.700	2.025	3.750	-	4.050	.450	8P + 24S + 4ACP	2-6450140-6
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	2-6450140-5
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	2-6450140-0
2.600	.200	.200	1.900	1.225	2.650	-	2.950	.450	4HDP + 24S + 4HDP	1-6450140-9
1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	1-6450140-8
4.500	.250	.250	2.900	2.125	4.550	-	4.850	.450	7P + 28S + 7P	1-6450140-3
4.250	.250	.250	2.650	1.875	4.300	-	4.600	.450	6P + 28S + 7P	1-6450140-2
2.800	.250	.250	1.950	1.375	2.850	-	3.150	.450	4P + 20S + 4P	1-6450140-1
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	1-6450140-0
4.000	.250	.250	2.650	1.675	4.050	2.225	4.350	.450	5P+24S+1M+6P	6450140-9
4.150	.250	.250	2.800	2.125	4.200	-	4.500	.450	7P + 24S + 6P	6450140-8
4.350	.250	.250	3.500	2.625	4.400	-	4.700	.450	9P + 32S + 4P	6450140-7
1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	6450140-6
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	6450140-5
7.400	.250	.250	5.050	2.875	7.450	-	7.750	.450	10P + 84S + 10P	6450140-4
3.650	.250	.250	2.550	1.875	3.700	-	4.000	.450	6P + 24S + 5P	6450140-3
4.350	.250	.250	3.000	2.125	4.400	-	4.700	.450	7P + 32S + 6P	6450140-2
5.100	.250	.250	3.250	2.375	5.150	-	5.450	.450	8P + 32S + 8P	6450140-1
U	T	S	R	W	D	M	L	K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES



MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.01

1 PLC ±.01

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±.2°

FINISH

-

DWN R.GRZYBOWSKI

CHK M.PERCHEKKE

APVD M.PERCHEKKE

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

-

CUSTOMER DRAWING

15FEB05

15FEB05

-

NAME

VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE

A1

CAGE CODE

100779

DRAWING NO

6450140

RESTRICTED TO

-

SCALE

2:1

SHEET

2

OF

11

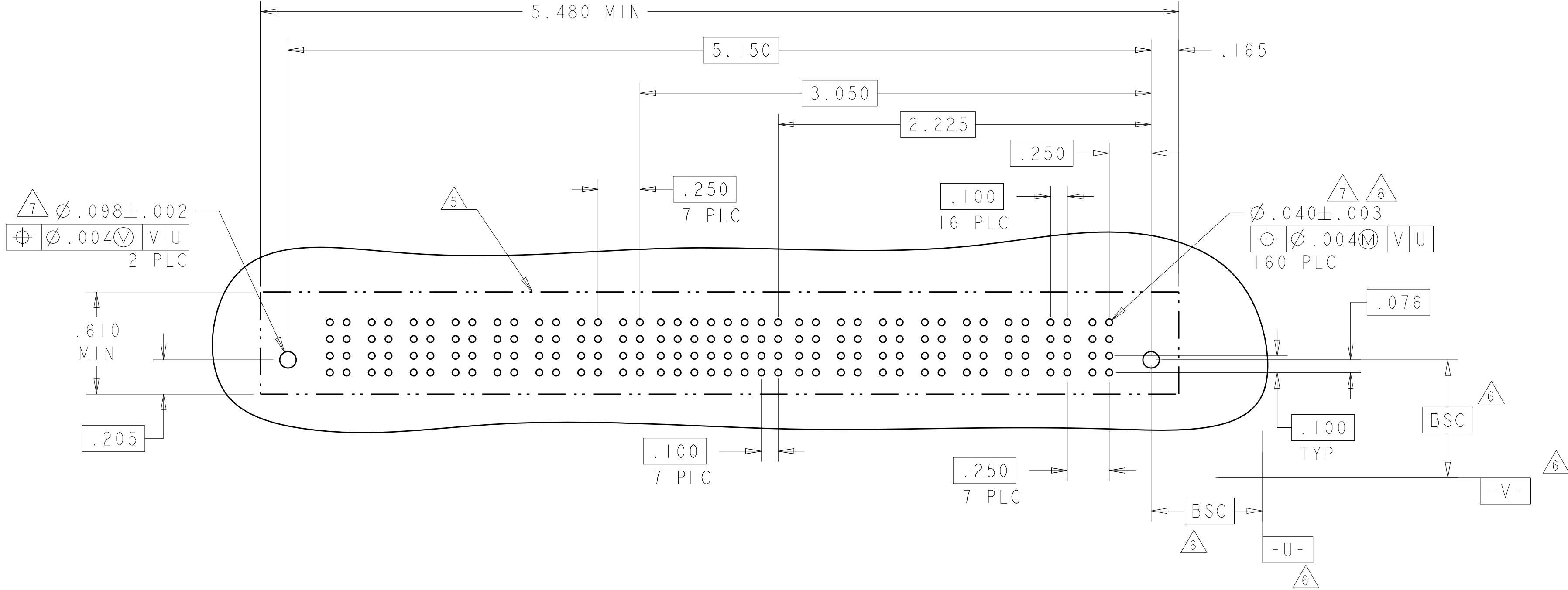
REV

E4

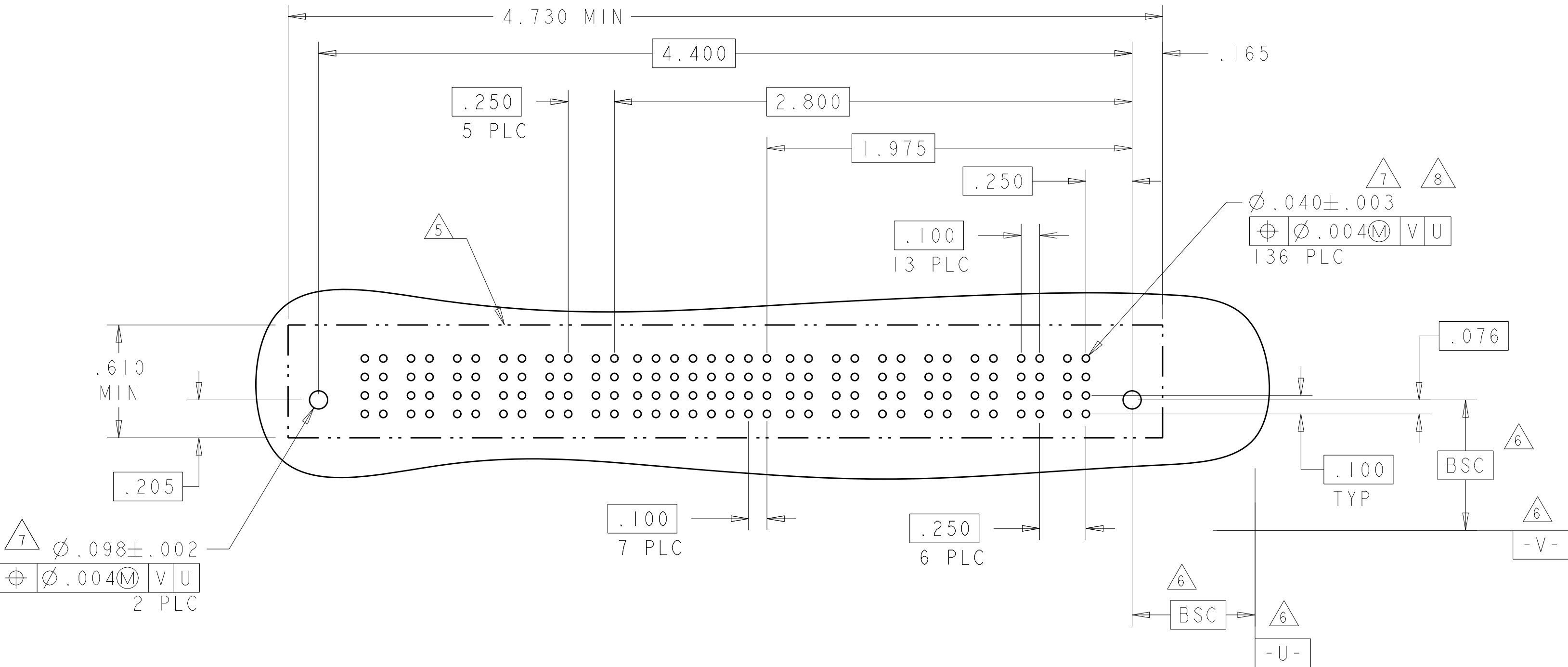
TE Connectivity

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

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	
6450140-1	D C B A		VA	VA	VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	VA	VA	
											E	E	E	E	E	E	E										
											E	E	E	E	E	E	E										
9P + 32S + 8P																											



PART NUMBER	ROWS		POWER							SIGNAL							POWER								
			P13	P12	P11	P10	P9	P8	8	7	6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1		
6450140-2	D C B A		VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	VA		
									E	E	E	E	E	E	E										
									E	E	E	E	E	E	E										
7P + 32S + 6P																									

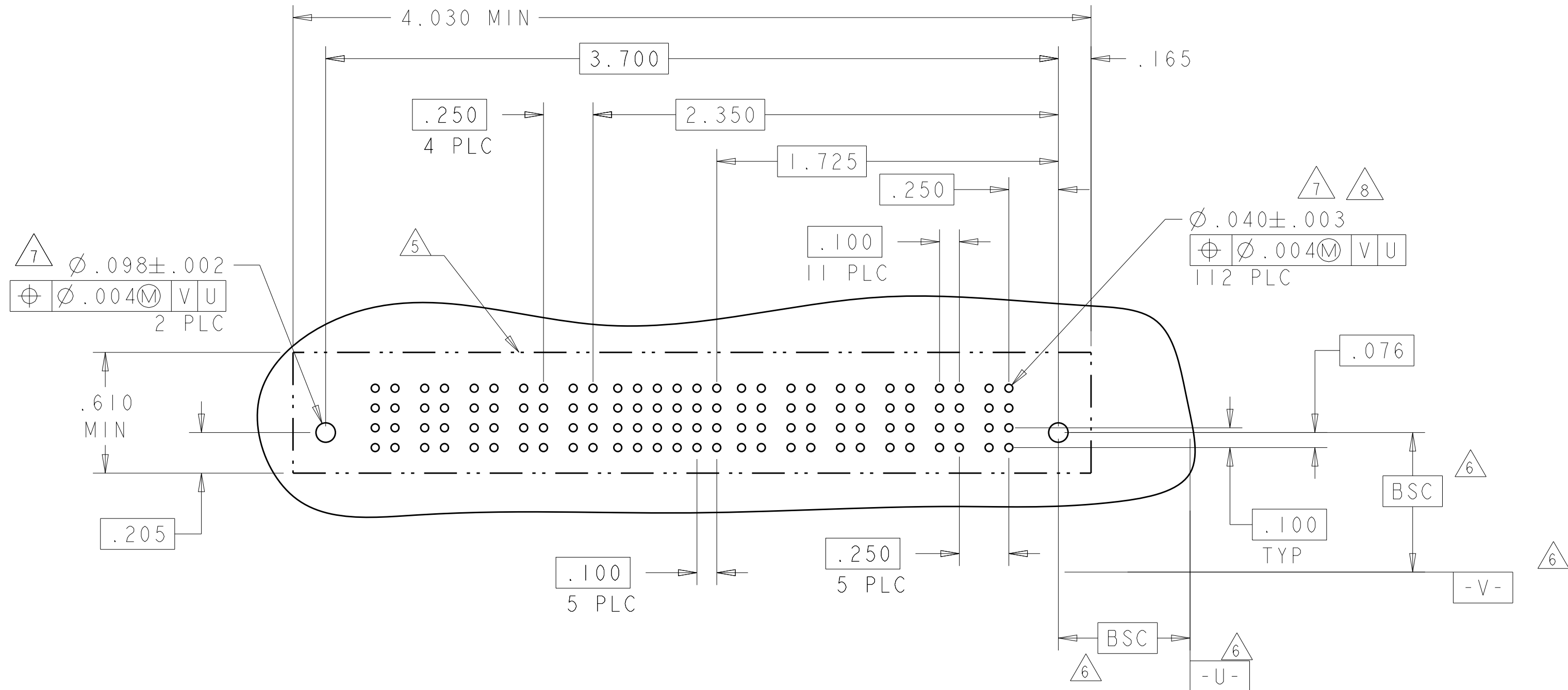


VB	.090	MFBL
VM	.135	STD
VA	.135	MFBL
CODE	TAIL LENGTH	DESCRIPTION
POWER CONTACT		

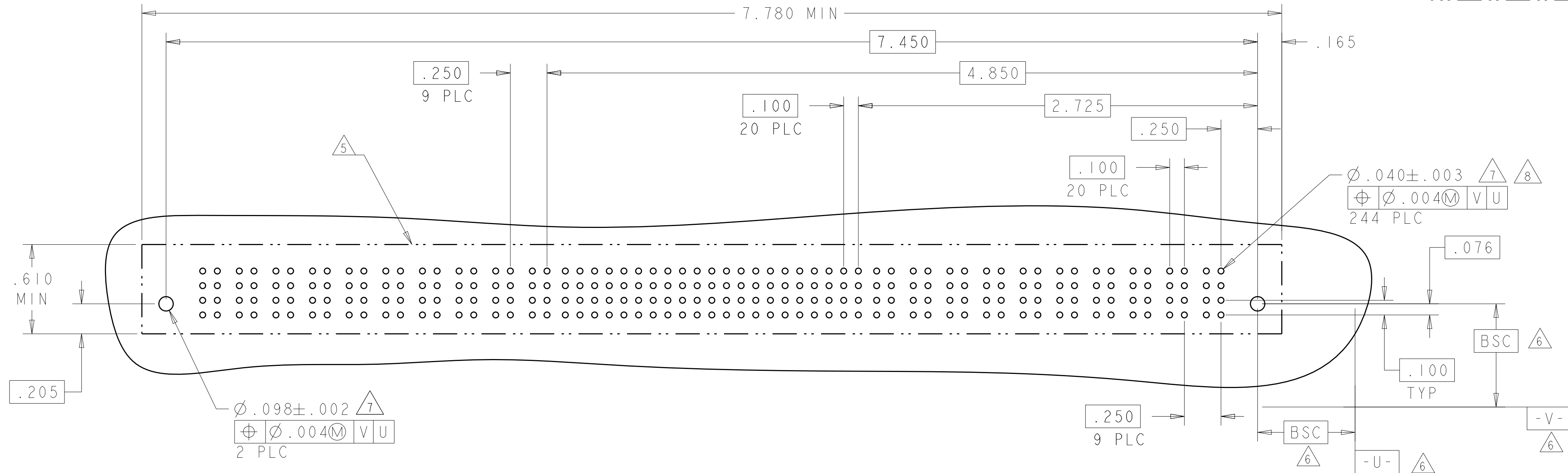
J	.090
E	.135
CODE	TAIL LENGTH
SIGNAL CONTACT	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	15FEB05	NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
DIMENSIONS: INCHES		CHK M. PERCHERKE	15FEB05		
		APVD M. PERCHERKE	-	SIZE A1	
		PRODUCT SPEC 108-1973	-		
MATERIAL -		APPLICATION SPEC 114-13038	-	CAGE CODE 00779	
		WEIGHT -	-		
		CUSTOMER DRAWING		SCALE 2:1	
				SHEET 3 OF 11	
				REV E4	

PART NUMBER	ROWS		POWER					SIGNAL					POWER							
			P11	P10	P9	P8	P7	6	5	4	3	2	1	P6	P5	P4	P3		P2	P1
6450140-3	D C B A		VA	VA	VA	VA	VA	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	
								E	E	E	E	E	E							
								E	E	E	E	E	E							
								E	E	E	E	E	E							
6P + 24S + 5P																				

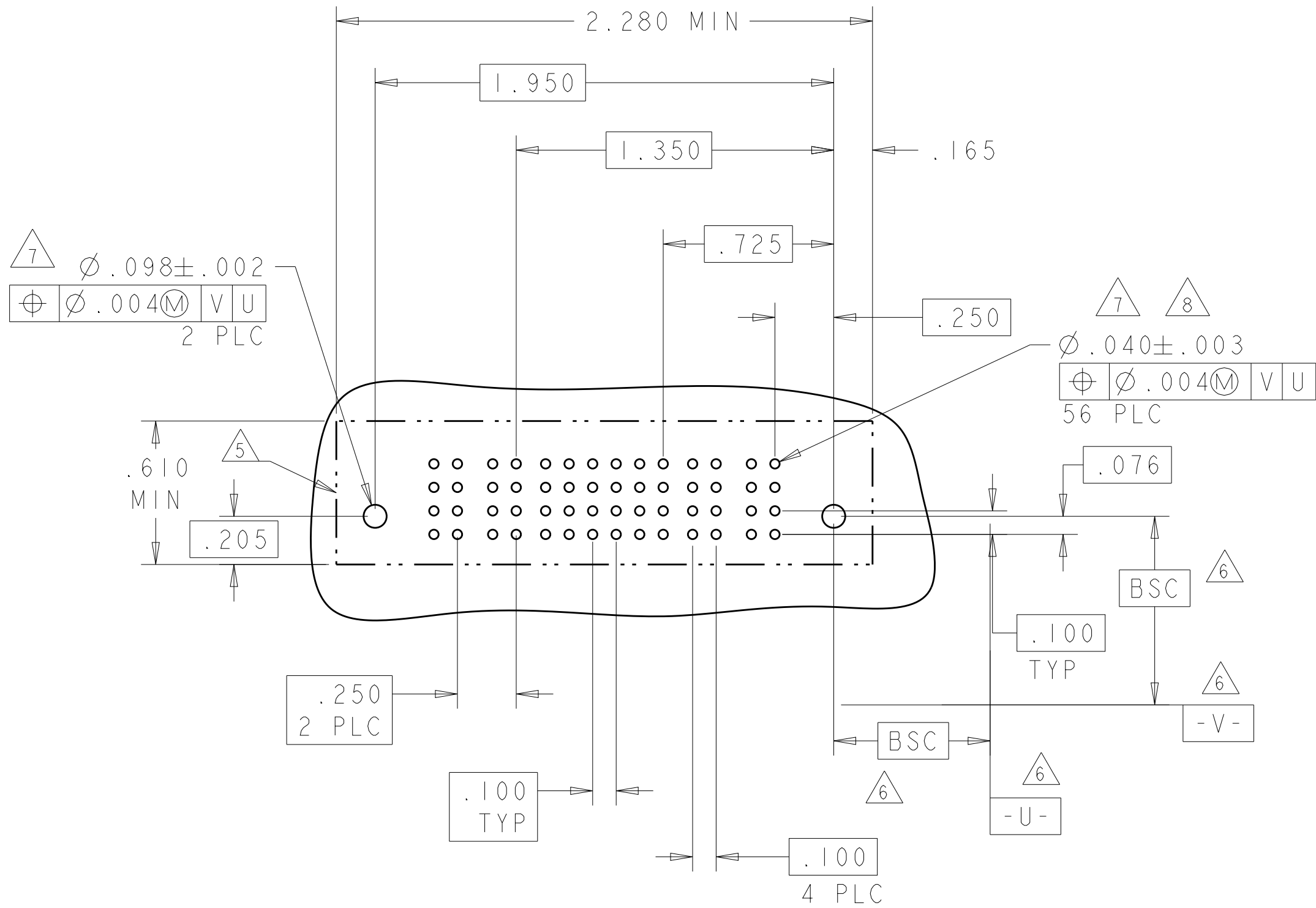


PART NUMBER	ROWS		POWER										SIGNAL																		POWER																	
			P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	P10	P9	P8	P7	P6	P5	P4		P3	P2	P1				
6450140-4	D C B A		VA	VA	VA	VA	VA	VA	VA	VA	VA	VA																								VA	VA	VA	VA	VA	VA	VA	VA	VA	VA			
10P + 84S + 10P																																																



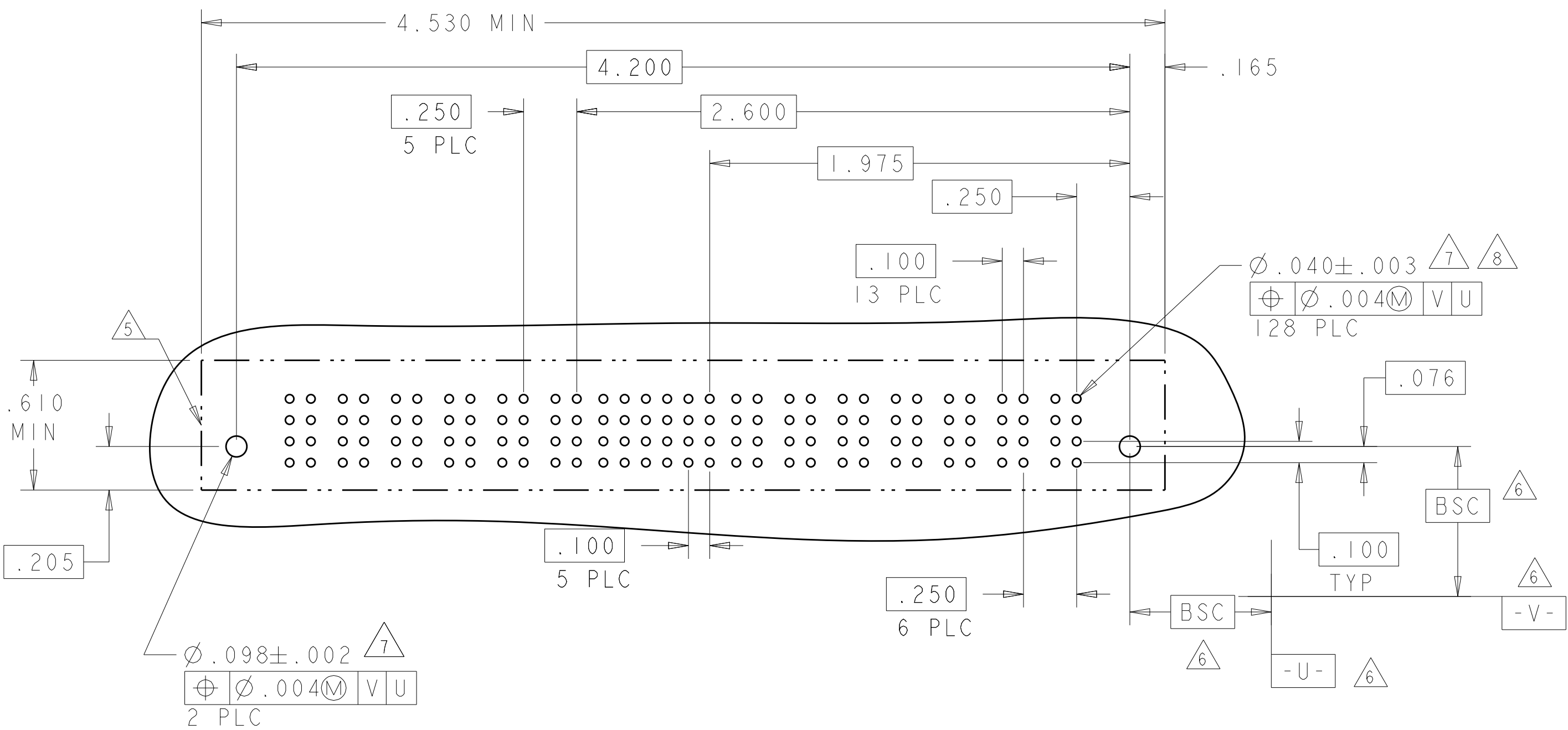
LOC	DIST	REVISIONS					
ES	00	P	LYR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER		SIGNAL						POWER			
			P4	P3	6	5	4	3	2	1	P2	P1		
6450140-5	D C B A	HD	VA	VA	E	E	E	E	E	E	E	VA	VA	
					E	E	E	E	E	E	E			
					E	E	E	E	E	E	E			
					E	E	E	E	E	E	E			
2P + 24S + 2P														

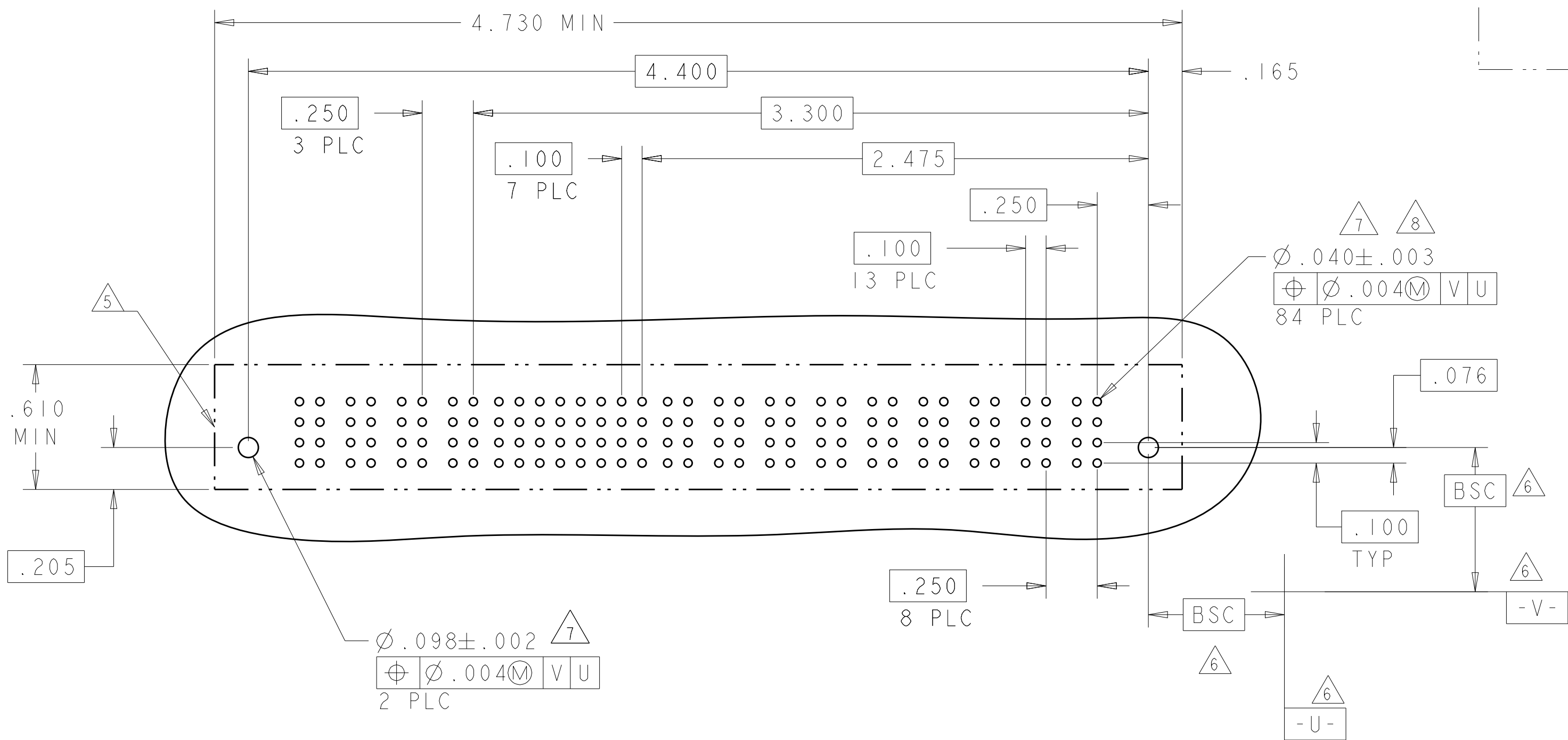


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	15FEB05	TE Connectivity	
		CHK M. PERCHERKE	15FEB05		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
INCHES		0 PLC ±.01		PRODUCT SPEC	
		1 PLC ±.01		108-1973	
		3 PLC ±.005		APPLICATION SPEC	
		4 PLC ±.002		114-13038	
		ANGLES ±.020		WEIGHT	
		FINISH		CUSTOMER DRAWING	
MATERIAL				SIZE	
				CAGE CODE	
				DRAWING NO	
				RESTRICTED TO	
				A100779C=6450140	
				SCALE	
				2:1	
				SHEET	
				4 OF 11	
				REV	
				E4	

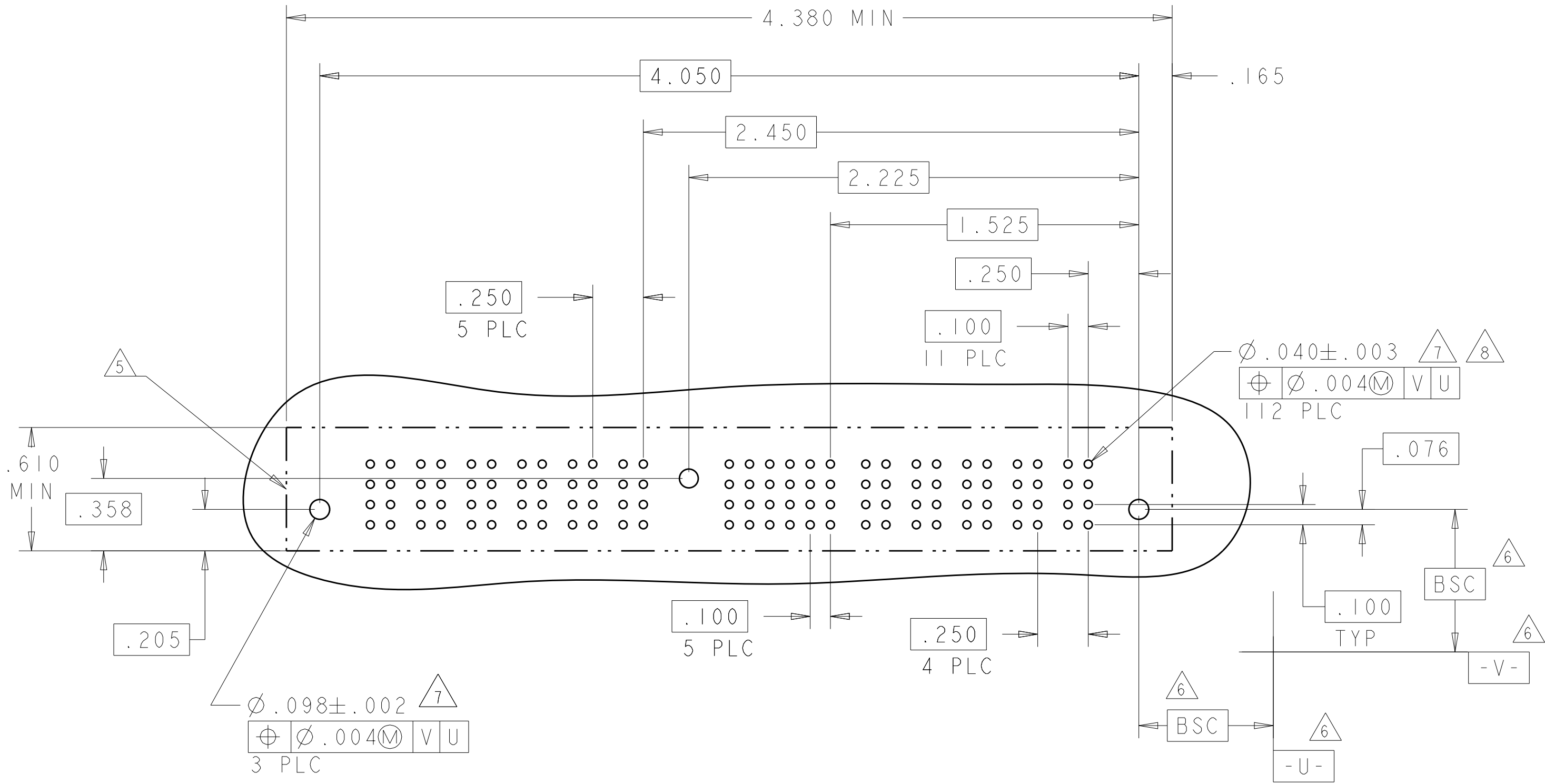
PART NUMBER	ROWS		POWER						SIGNAL							POWER								
			P13	P12	P11	P10	P9	P8	6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1			
6450140-8	D C B A		VA	VA	VA	VA	VA	VA	F	F	F	F	F	F	F	VA	VA	VA	VA	VA	VA			
																								
7P + 24S + 6P																								



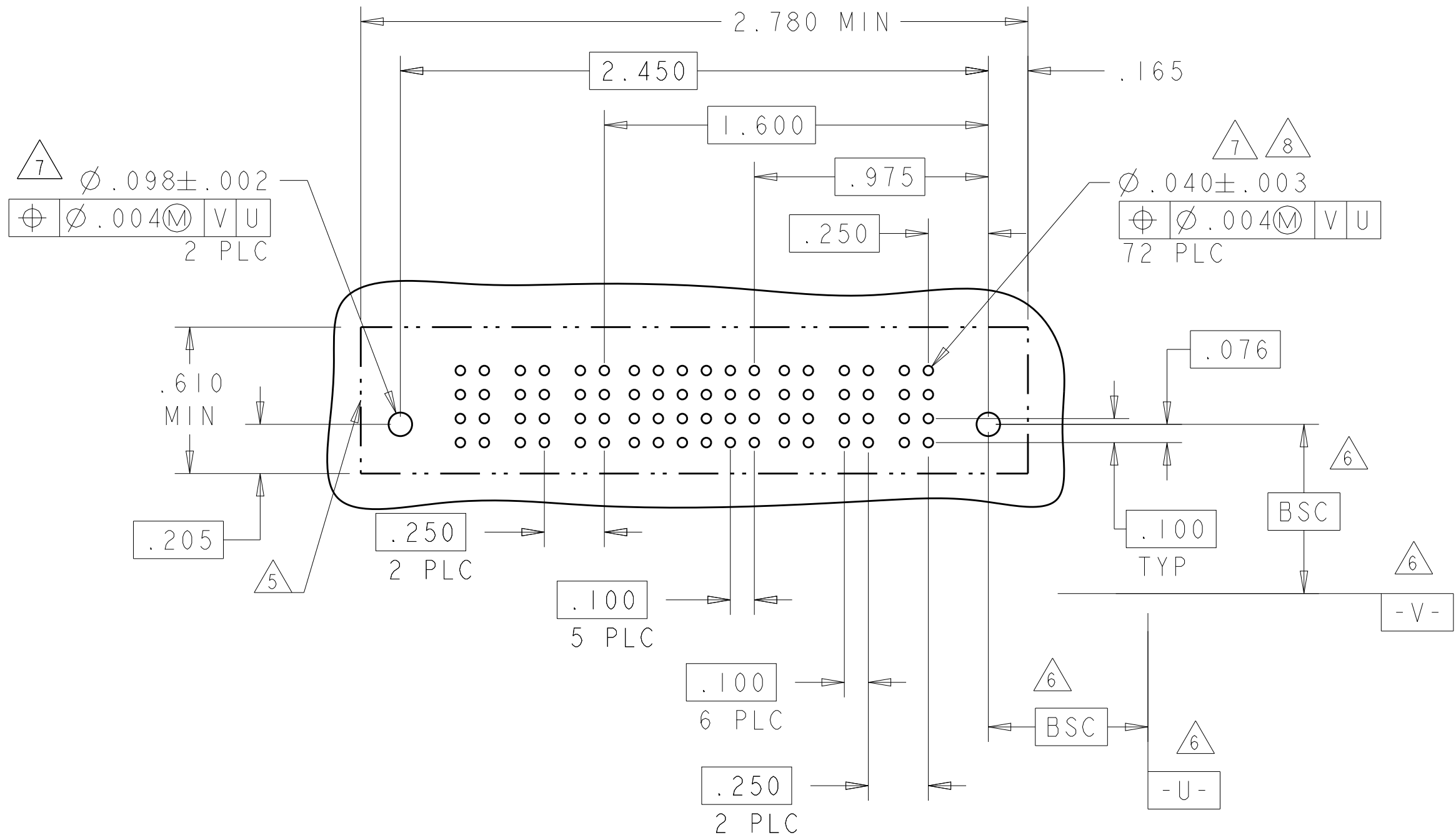
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 15FEB05		TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±°		NAME M. PERCHERKE APVD M. PERCHERKE PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO RESTRICTED TO A 00779 © 6450140 -	
		WEIGHT		CUSTOMER DRAWING SCALE 2:1 SHEET 5 OF 11 REV E4	



PART NUMBER	ROWS		POWER							SIGNAL						POWER					
			P11	P10	P9	P8	P7	P6		M1	6	5	4	3	2	1	P5	P4	P3	P2	
6450140-9	D C B A		VA	VA	VA	VA	VA	VA		E	E	E	E	E	E	VA	VA	VA	VA	VA	
										E	E	E	E	E	E						
										E	E	E	E	E	E						
										E	E	E	E	E	E						
5P + 24S + 1M + 6P																					

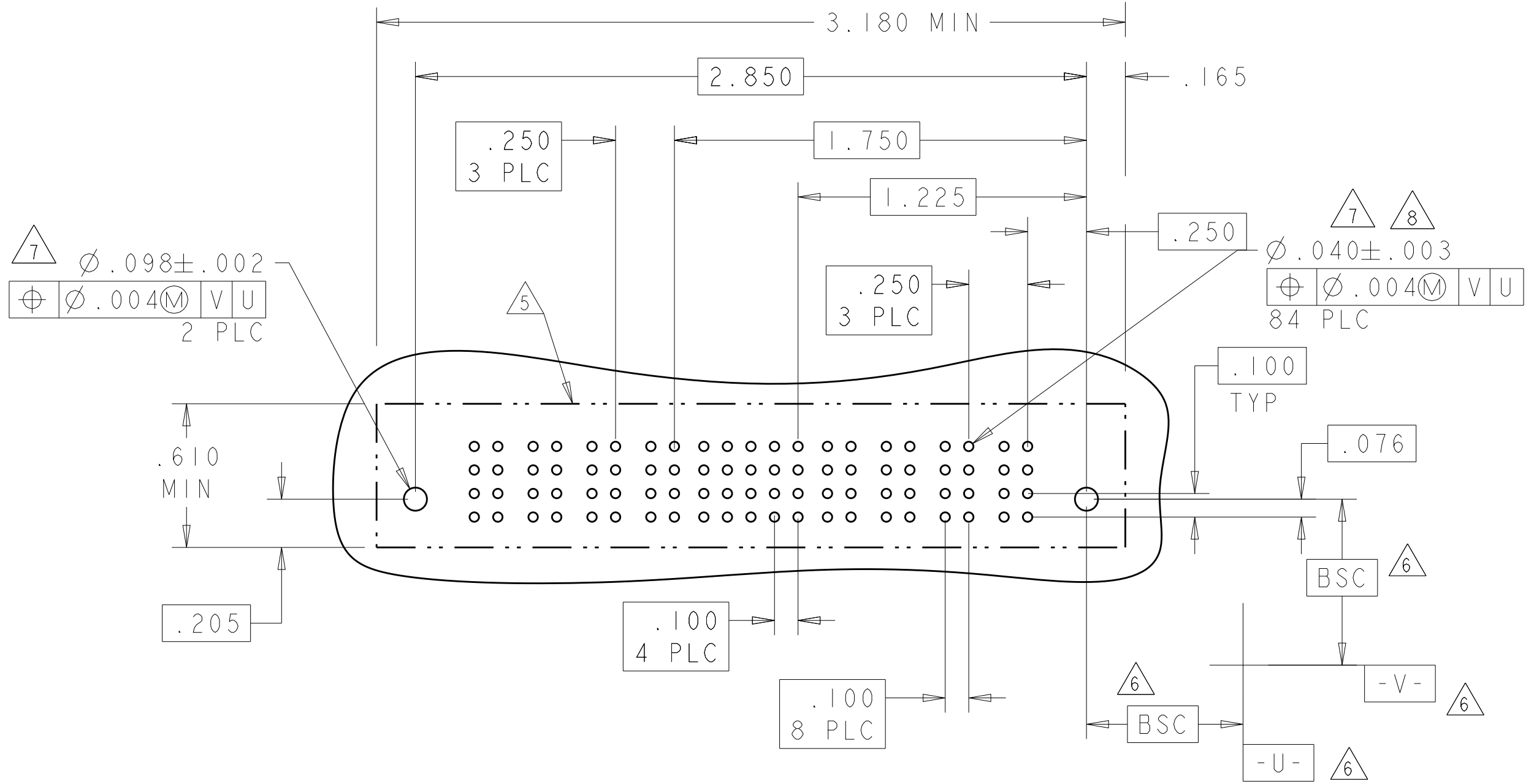


PART NUMBER	ROWS		POWER			SIGNAL						POWER				
			P6	P5	P4	6	5	4	3	2	1	P3	P2	P1		
I-6450140-0	D C B A		VA	VA	VA								VA	VA	VA	
3P + 24S + 3P																

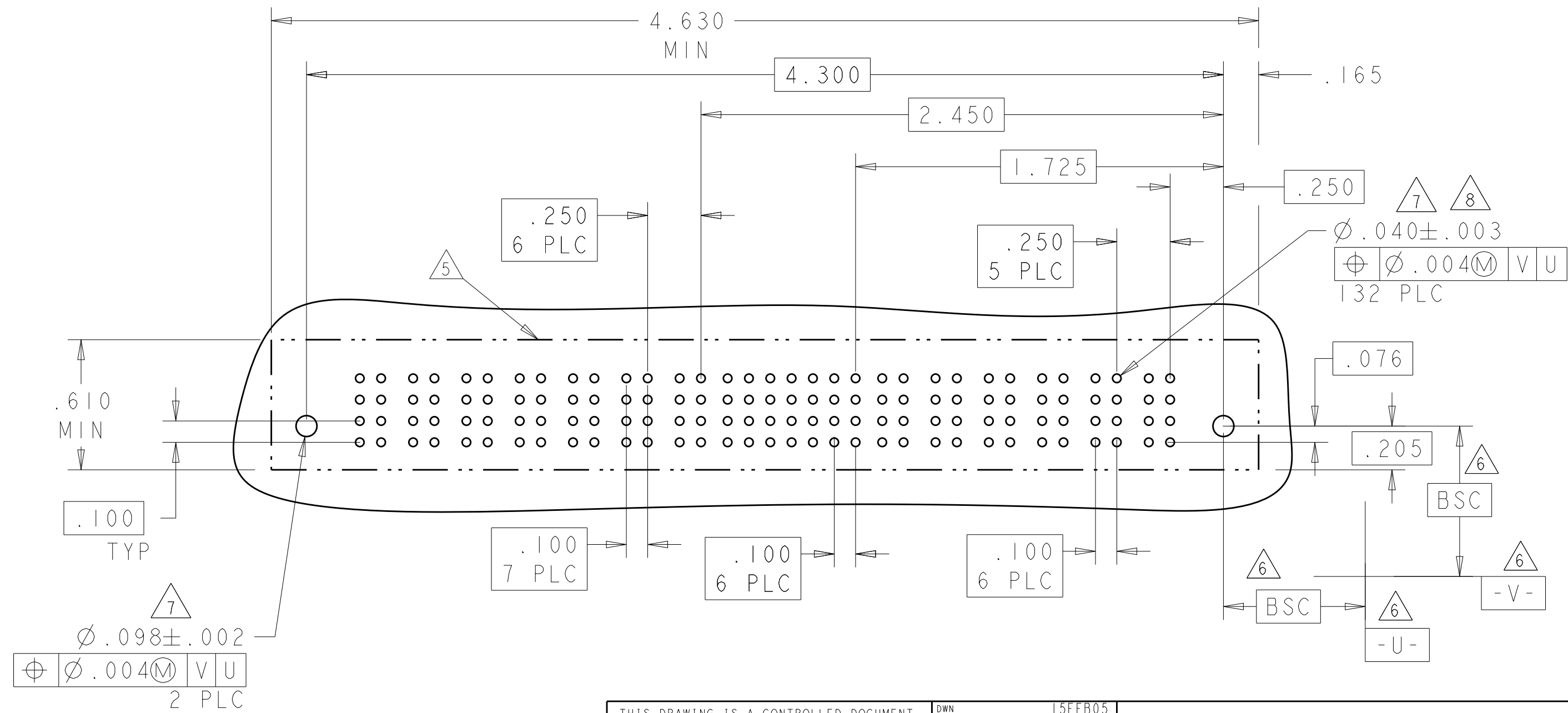


LOC	DIST	REVISIONS			
		P	LTR	DESCRIPTION	DATE
ES	00	-	-	SEE SHEET 1	-

PART NUMBER	ROWS	POWER				S I G N A L				POWER									
		P8	P7	P6	P5	5	4	3	2	1	P4	P3	P2	P1					
I-6450140-1	D C B A		VA	VA	VA	VA	E	E	E	E	E	E	E	E	VA	VA	VA	VA	
4P + 20S + 4P																			

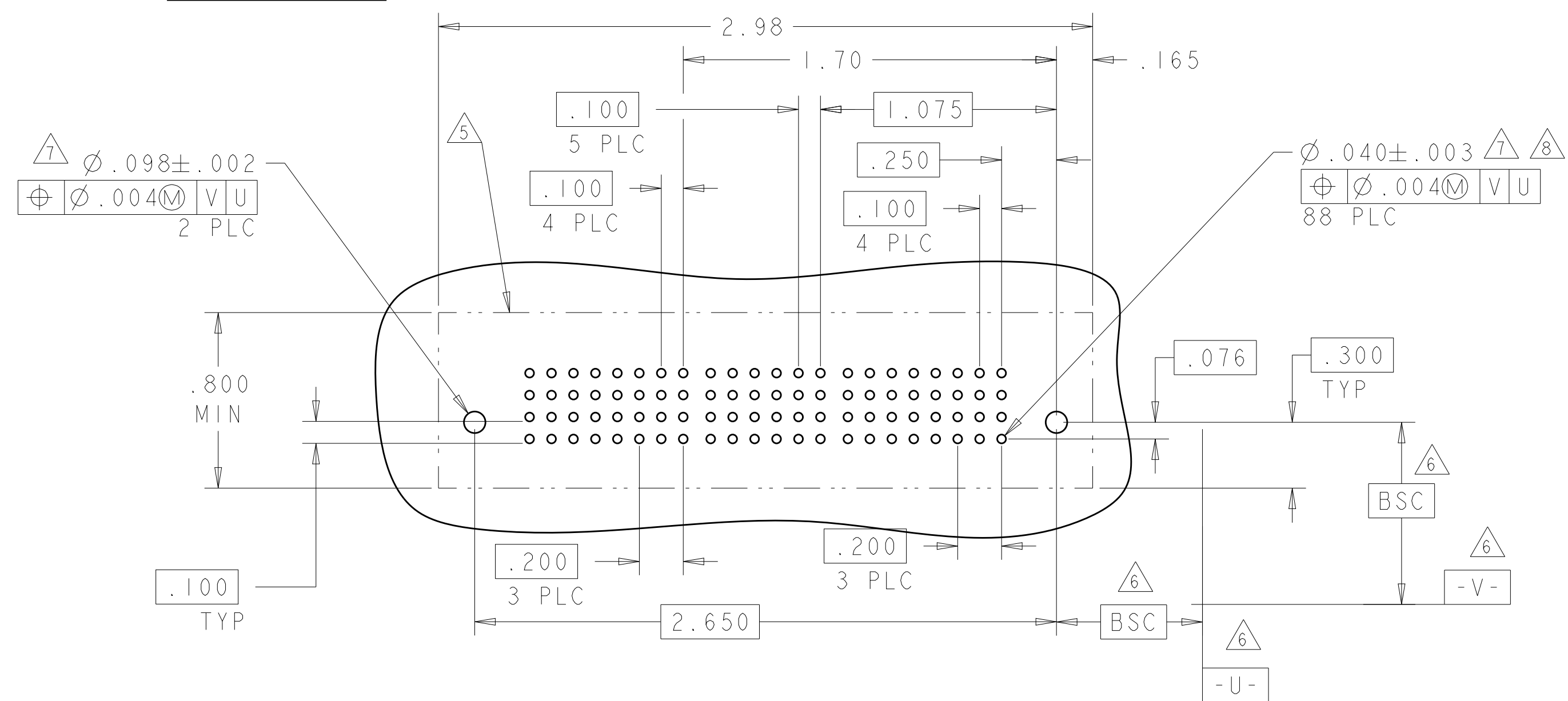
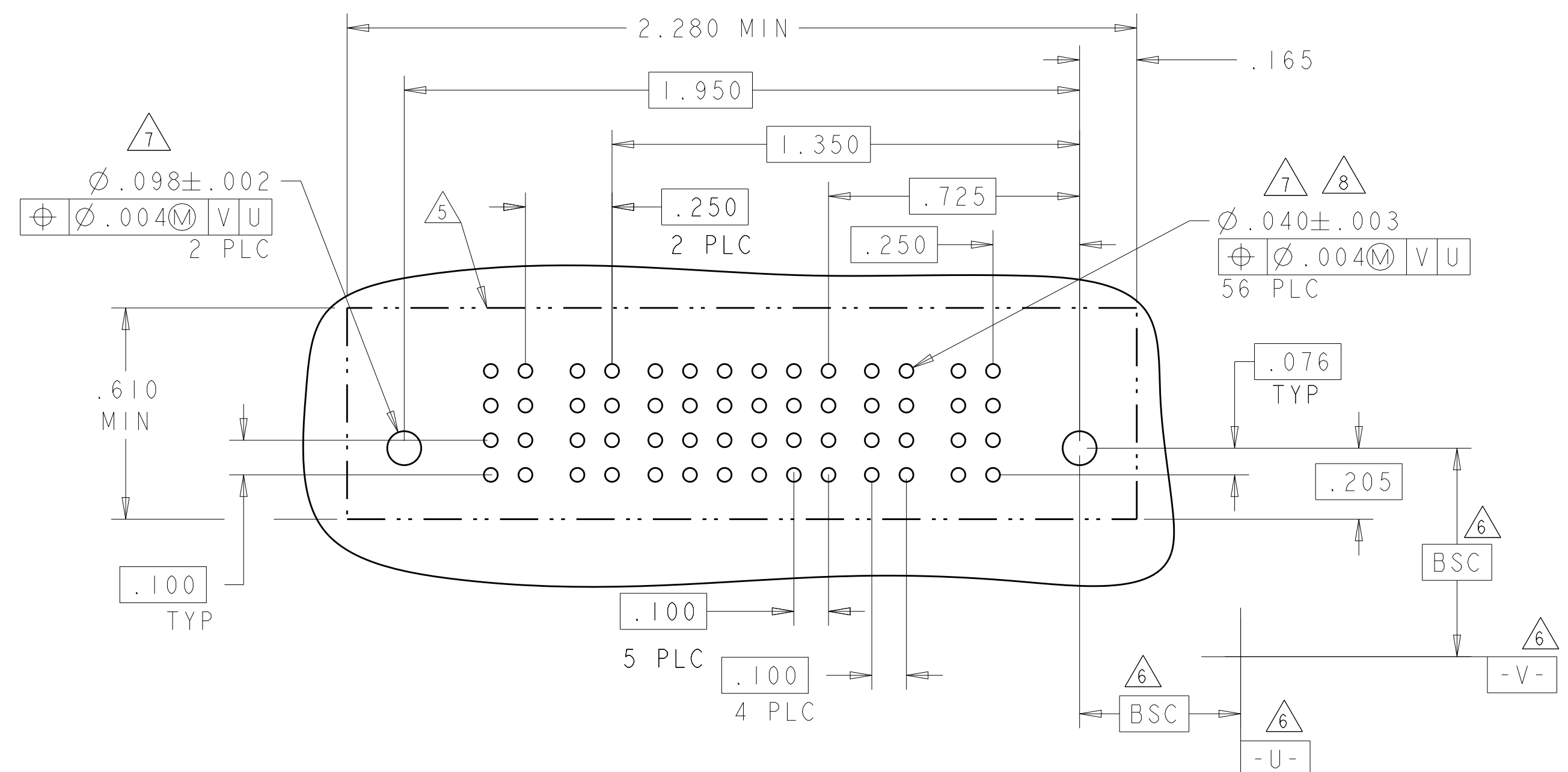


PART NUMBER	ROWS		POWER							SIGNAL							POWER							
			P13	P12	P11	P10	P9	P8	P7	7	6	5	4	3	2	1	P6	P5	P4	P3	P2	P1		
I-6450140-2	D C B A		VA	VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA		
			E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E		
			E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E		
			E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E		
6P + 28S + 7P																								



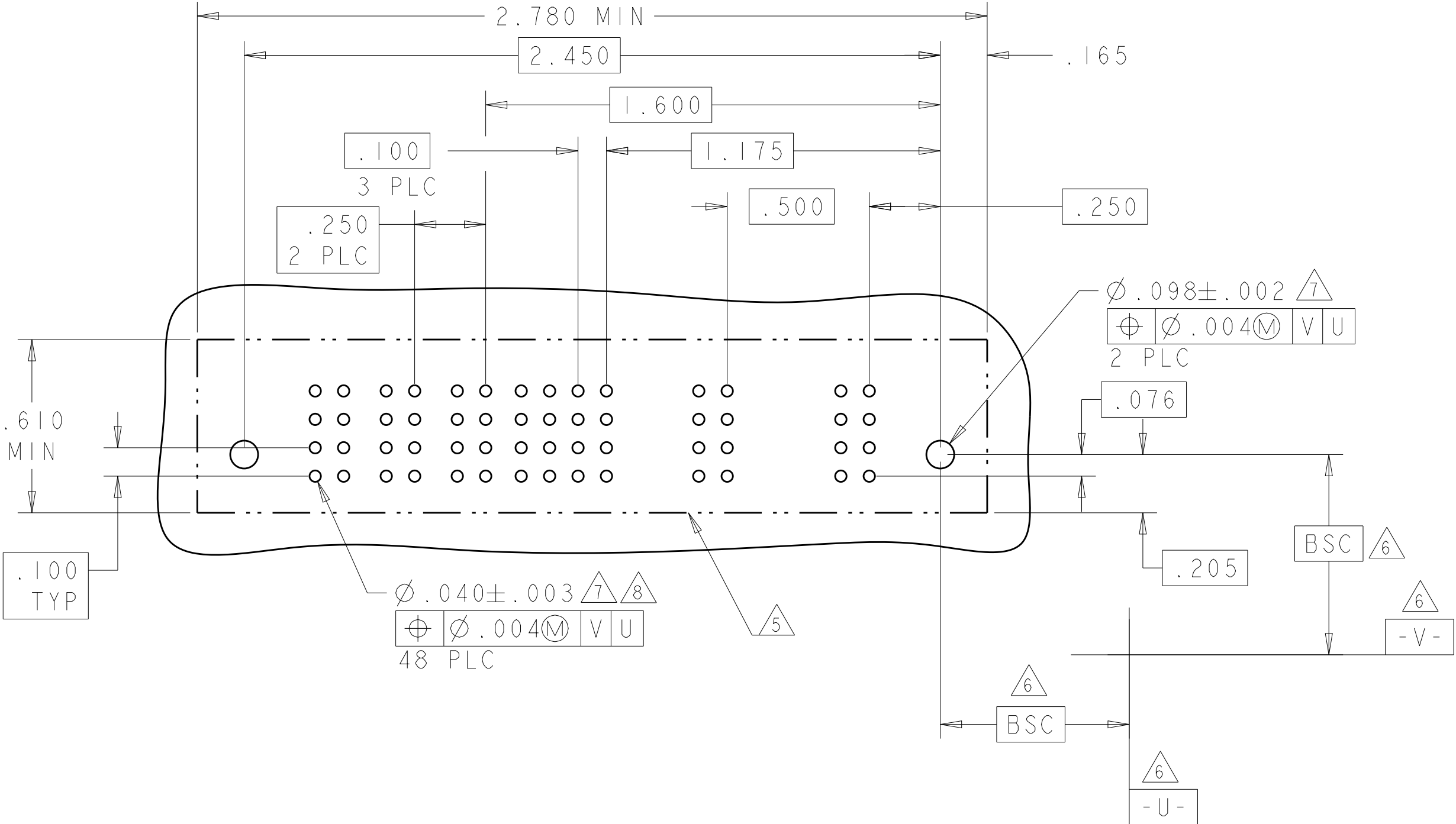
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. GRZYBOWSKI	15FEB05	 TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE	15FEB05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	-	NAME	
		PRODUCT SPEC		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		108-1973			
		APPLICATION SPEC			
		114-13038			
SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO	
A100779		C=6450140	-	-	
CUSTOMER DRAWING					
SCALE		2:1			
SHEET		6 OF 11			
REV		E4			

PART NUMBER	ROWS		POWER				SIGNAL					POWER						
			P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2		P1	
1-6450140-9	D C B A		VA	VA	VA	VA	E	E	E	E	E	E	VA	VA	VA	VA		
							E	E	E	E	E	E						
							E	E	E	E	E	E						
							E	E	E	E	E	E						
4HP + 24S + 4HP																		

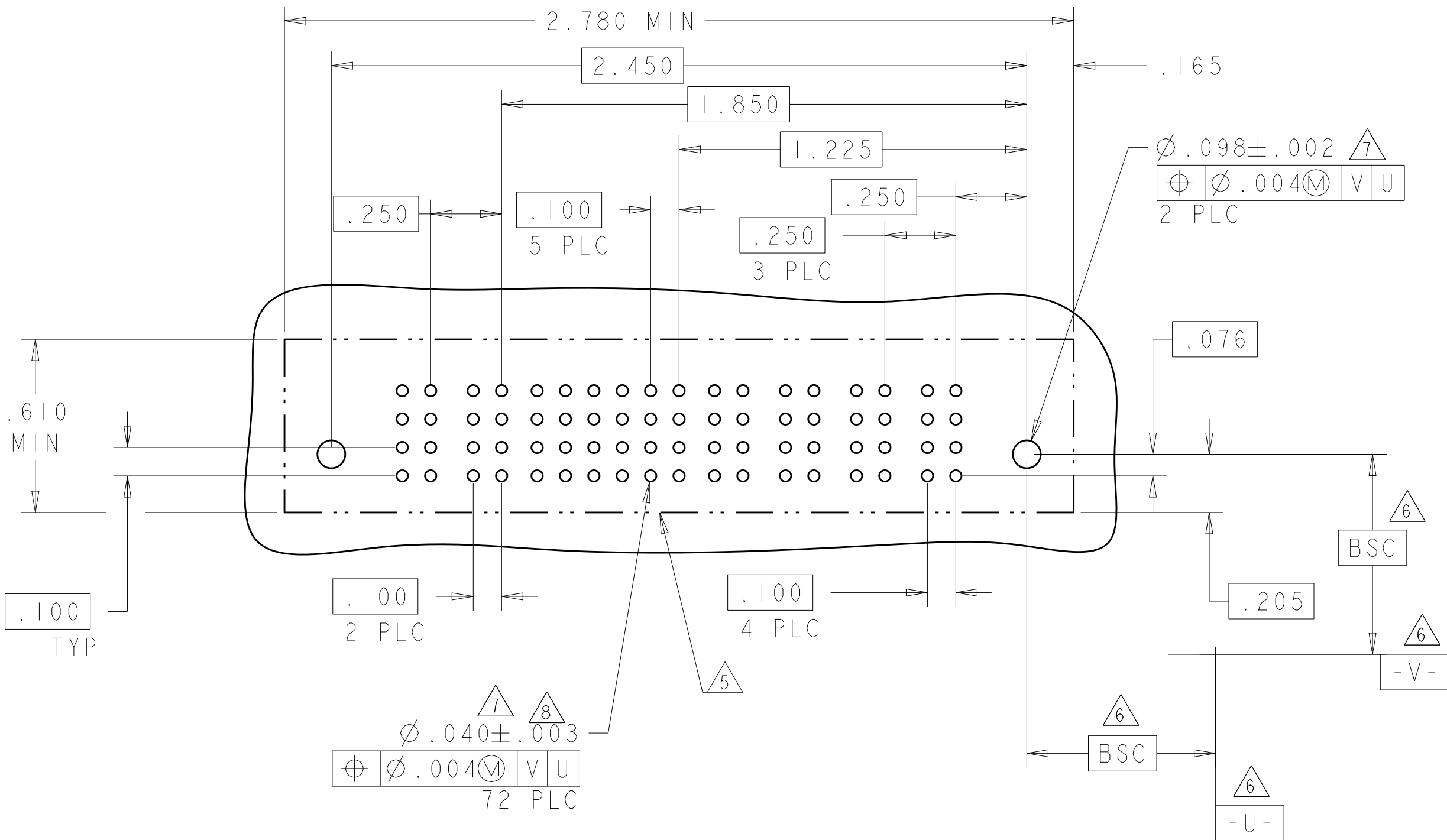
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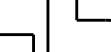
LOC	DIST	REVISIONS			
		P	LTR	DESCRIPTION	DATE
ES	00	-	-	SEE SHEET 1	-

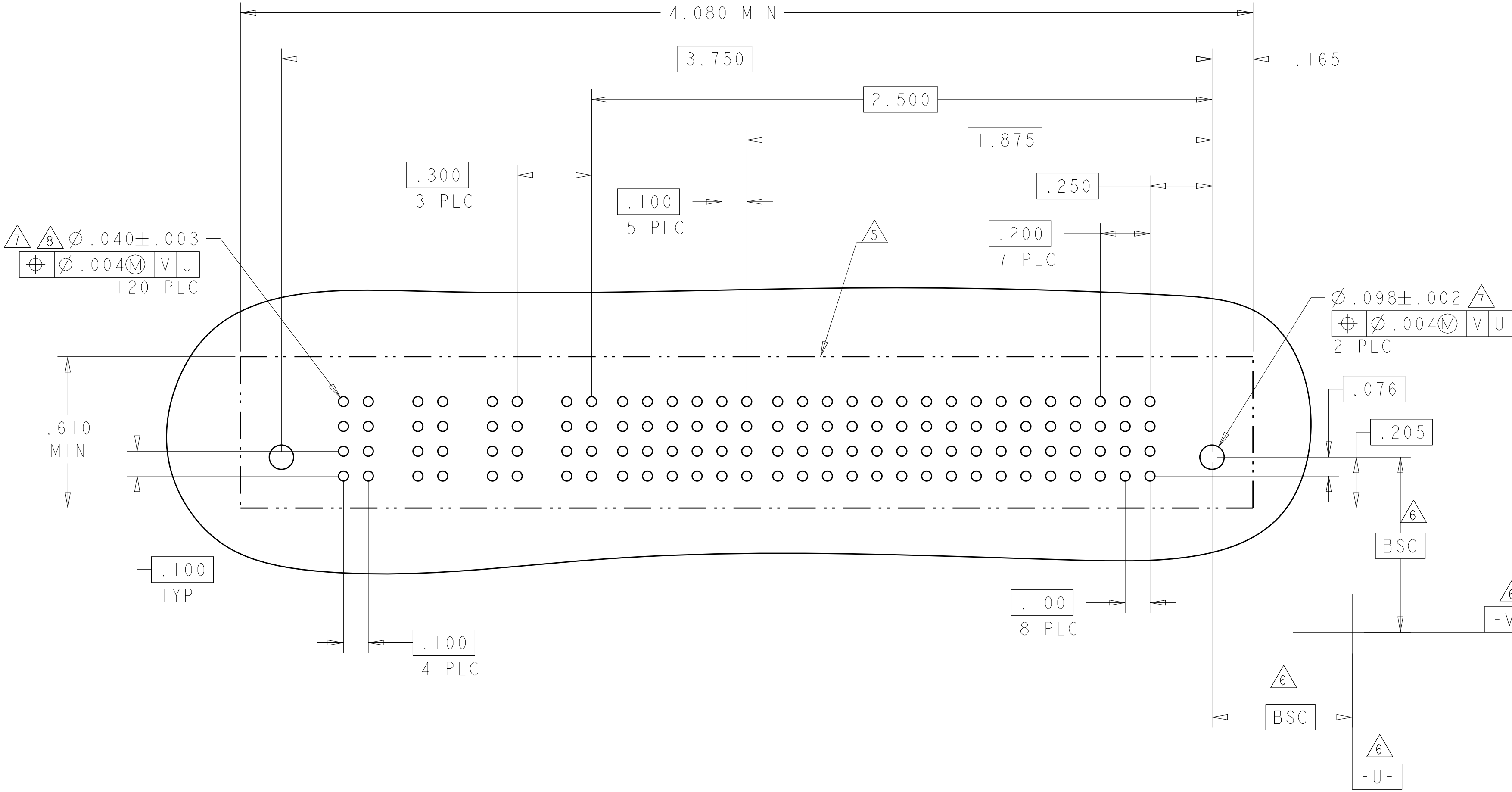
PART NUMBER	ROWS		POWER			SIGNAL					POWER				
			P6	P5	P4	6	5	4	3	2	1	P3	P2		P1
2-6450140-5	D C B A		 VM	 VM	 VA	 E	 E	 E	 E			 VM		 VM	
						 E	 E	 E	 E						
						 E	 E	 E	 E						
						 E	 E	 E	 E						
3P + 24S + 3P															



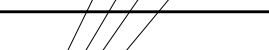
PART NUMBER	ROWS		POWER		SIGNAL							POWER				
			P6	P5	6	5	4	3	2	1	P4	P3	P2	P1		
2-6450140-7	D C B A	 HD	 VM	 VM	E	E	E	E	E	E	 VM	 VM	 VM	 VM	 HD	
					E	E	E	E	E	E						
					E	E	E	E	E	E						
					E	E	E	E	E	E						
4P + 24S + 2P																

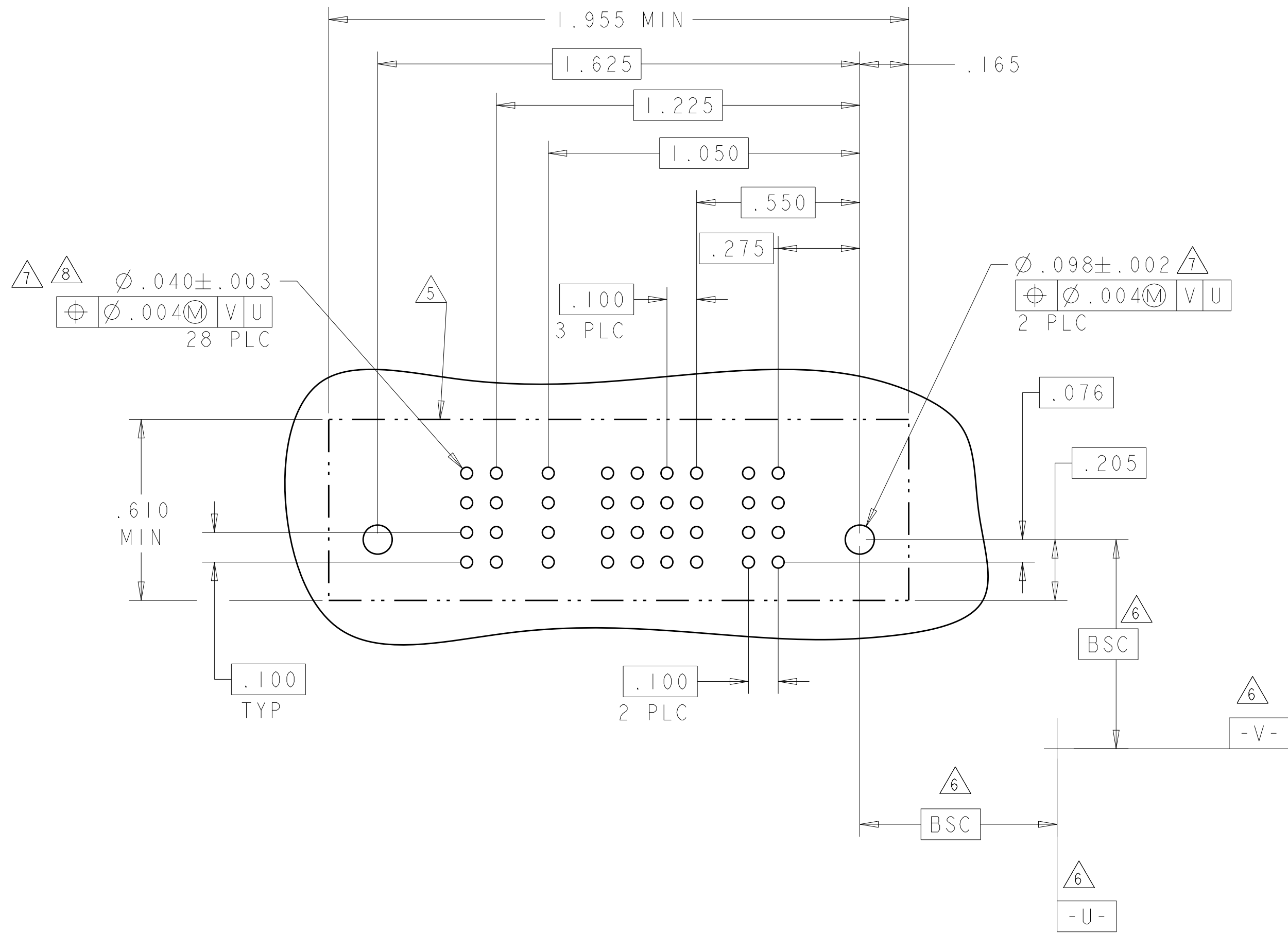
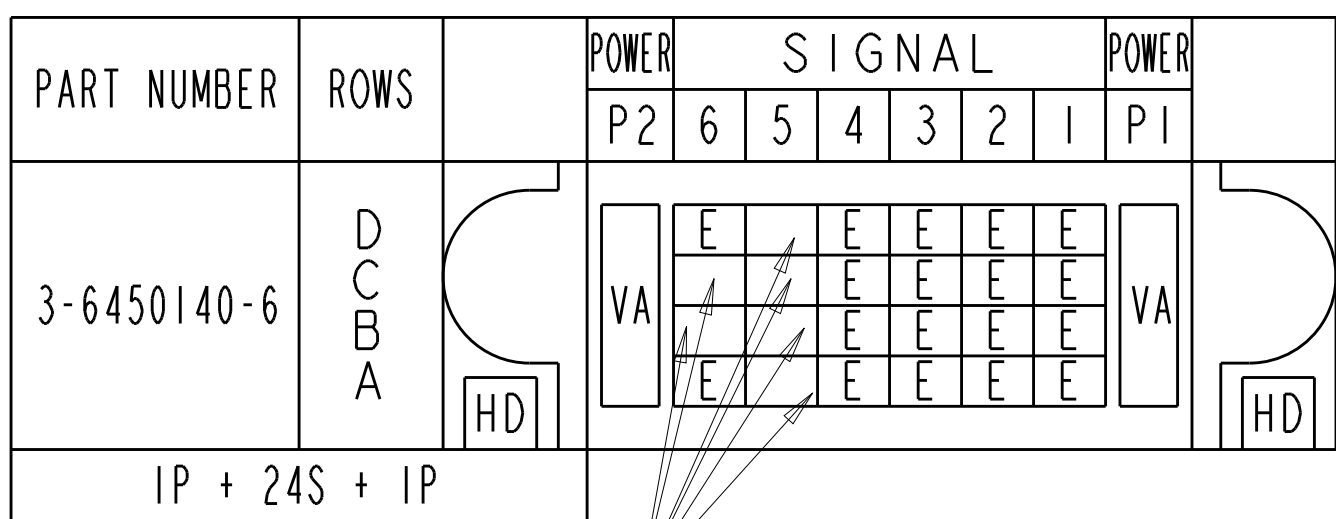


PART NUMBER	ROWS		POWER				SIGNAL					POWER									
			PI2	PI1	PI0	P9	6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2		P1
2-6450140-6	D C B A		VM	VM	VM	VM	E	E	E	E	E	E	VM	VM	VM	VM	VM	VM	VM	VM	
							E	E	E	E	E	E									
							E	E	E	E	E	E									
							E	E	E	E	E	E									
8P + 24S + 4ACP																					

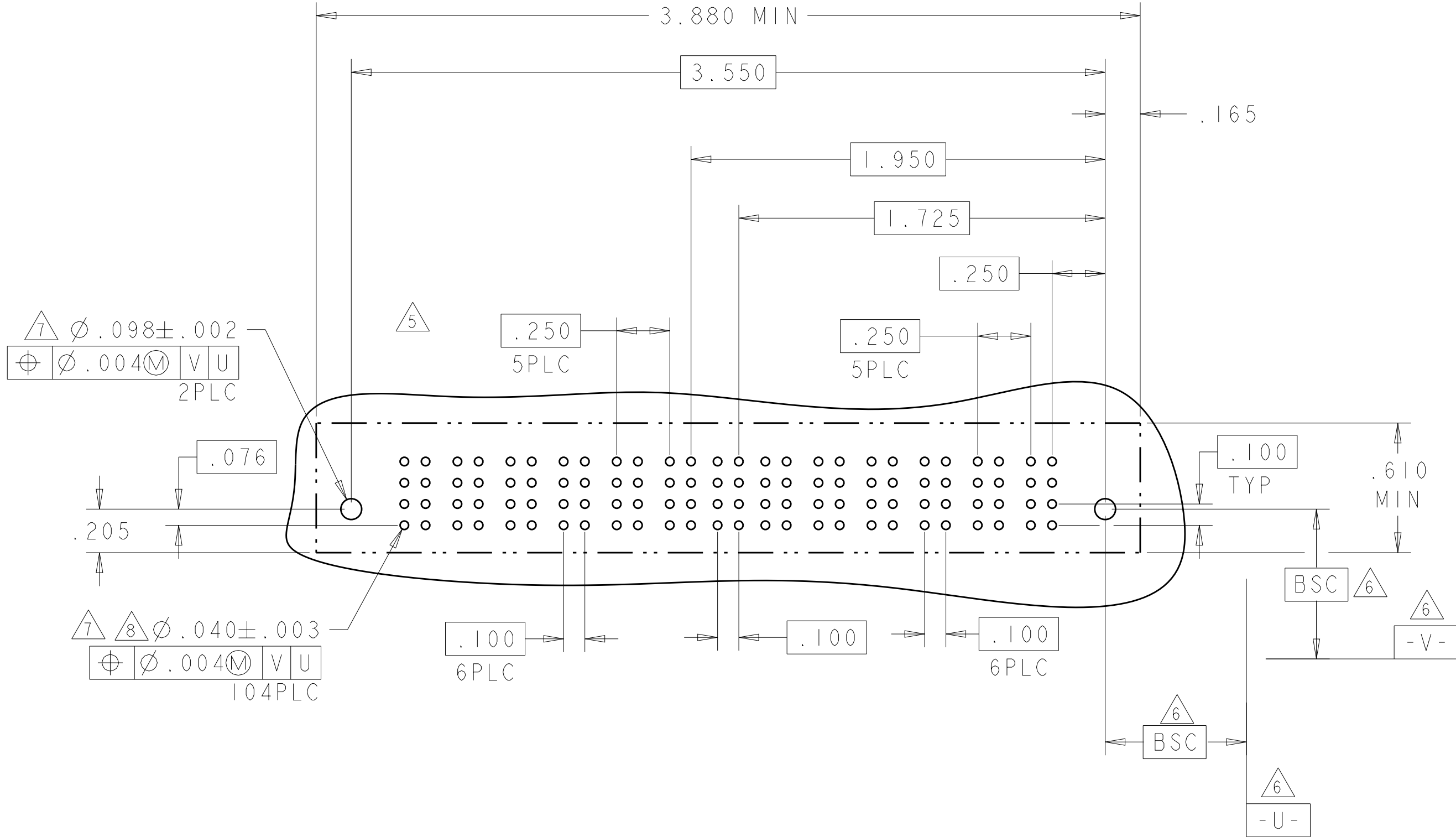


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 15FEB05			
		CHK M. PERCHERKE 15FEB05			
		APVD M. PERCHERKE	TE Connectivity		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:			
INCHES		0 PLC ±.01			
		1 PLC ±.01			
		2 PLC ±.01			
		3 PLC ±.005			
		4 PLC ±.0020			
		ANGLES ±.0020			
FINISH					
MATERIAL		WEIGHT			
		CUSTOMER DRAWING			
		SIZE			
		A100779			
		CAGE CODE			
		DRAWING NO			
		PRODUCT SPEC			
		108-1973			
		APPLICATION SPEC			
		114-13038			
		SCALE			
		2:1			
		SHEET			
		8 OF 11			
		REV			
		E4			

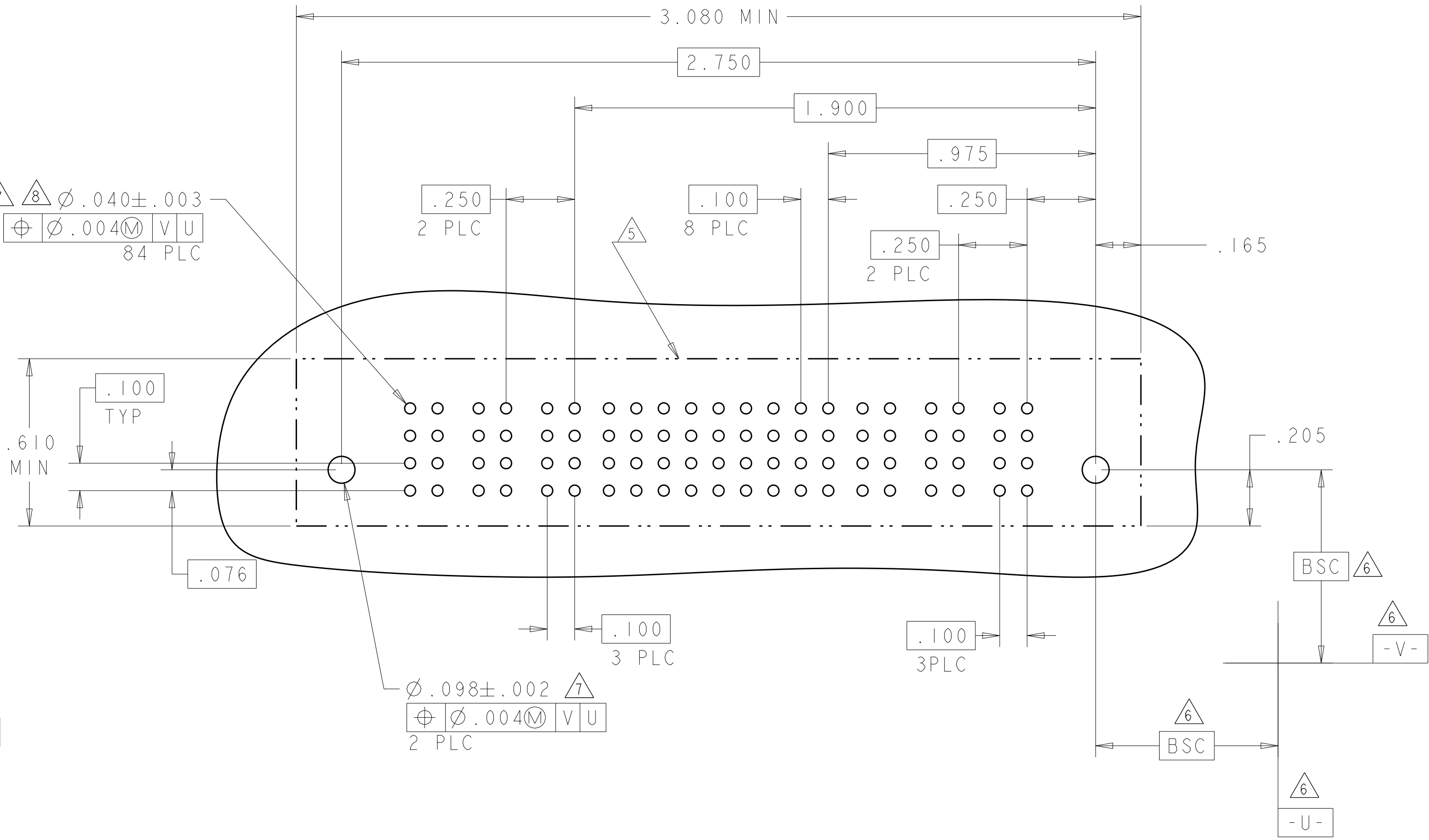
PART NUMBER	ROWS		POWER	SIGNAL							POWER	
			P2	6	5	4	3	2	1	P1		
3-6450140-5	D C B A		VA	E	E	E	E	E	E	E	VA	
				E	E	E	E	E	E	E		
				E	E	E	E	E	E	E		
				E	E	E	E	E	E	E		
IP + 24S + IP												

4805 (3/11)

PART NUMBER	ROWS		POWER						SIGNAL		POWER						
			PI2	PI1	PI0	P9	P8	P7	2	1	P6	P5	P4	P3	P2	PI	
3-6450140-0	D		VM	VM	VM	VM	VM	VM	E	E	VM	VM	VM	VM	VM	VM	
	C								E	E							
	B								E	E							
	A								E	E							
6P+8S+6P		HD															HD

4805 (3/11)

PART NUMBER	ROWS		POWER			SIGNAL								POWER			
			P6	P5	P4	9	8	7	6	5	4	3	2	1	P3	P2	
3-6450140-4	D C B A																
3P + 36S + 3P																	

4805 (3/11)

Mouser Electronics

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