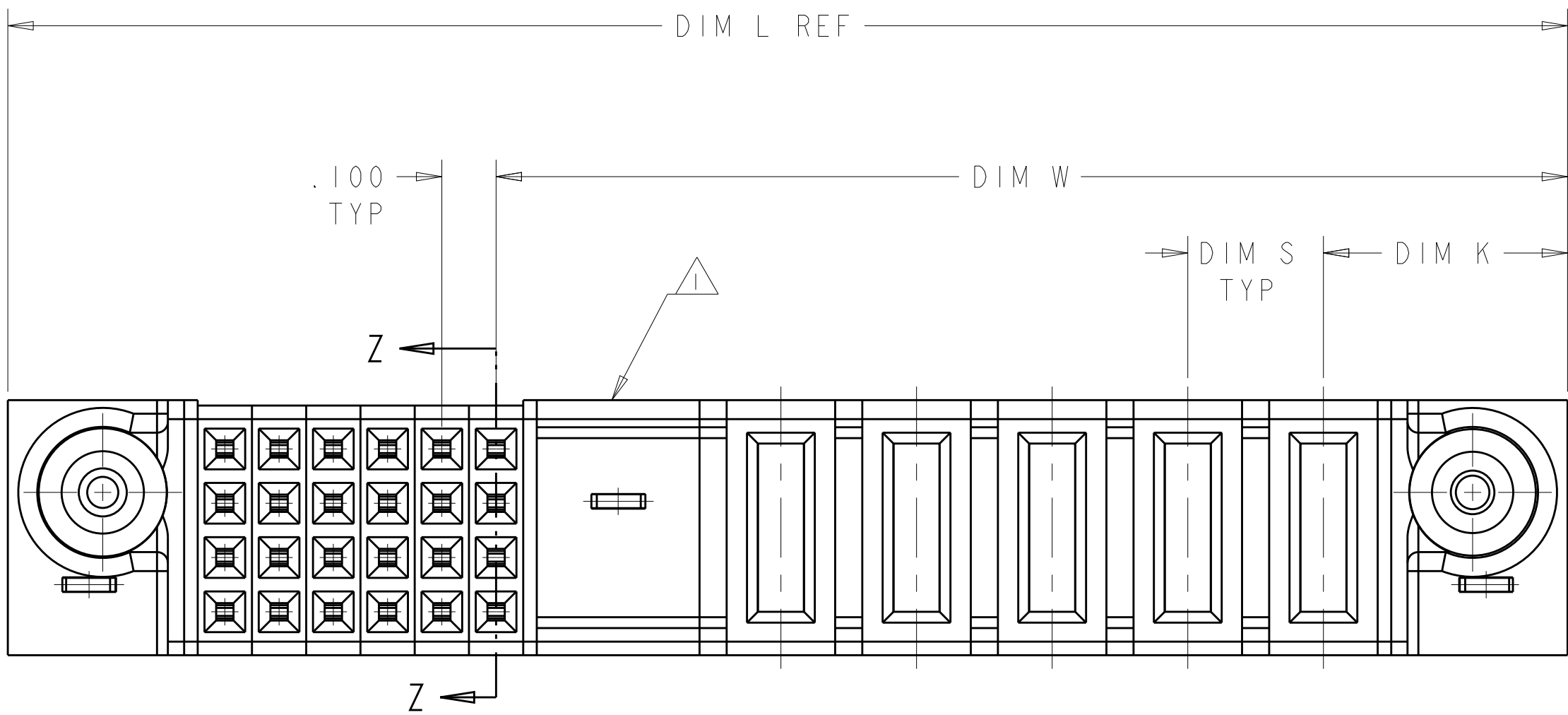
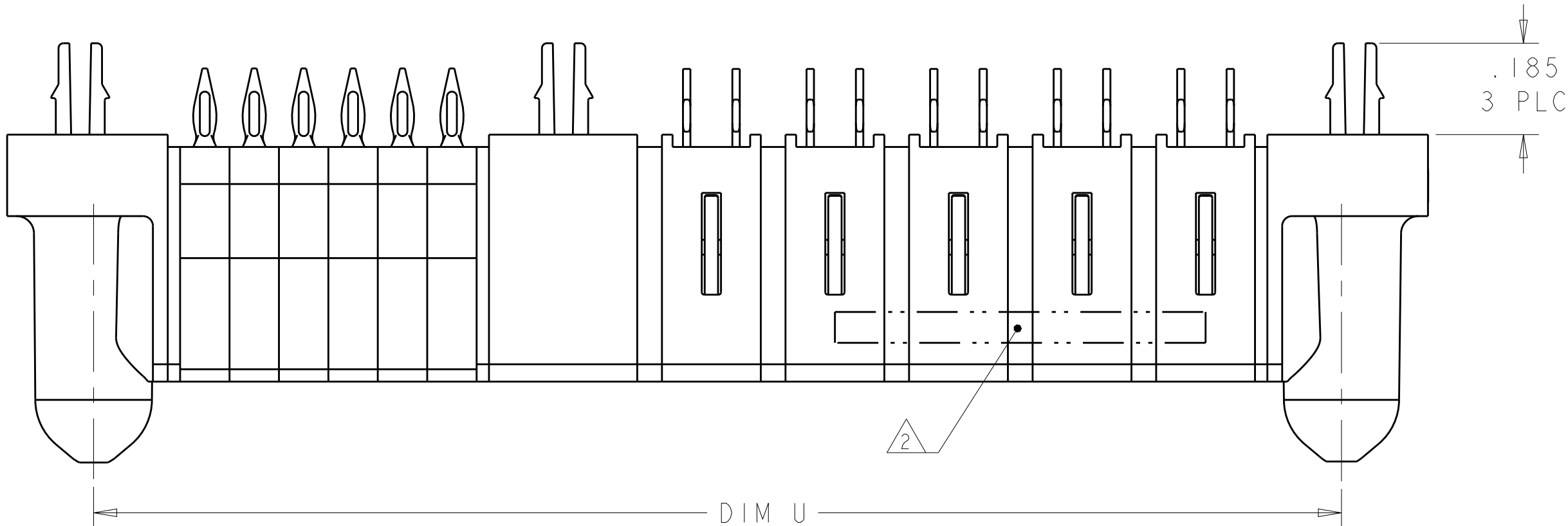
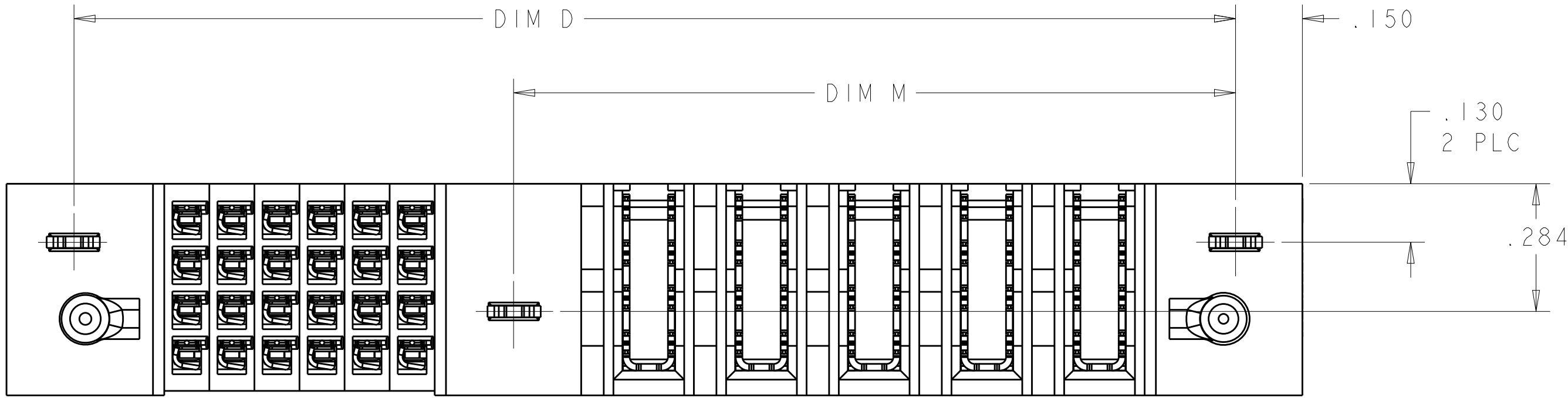
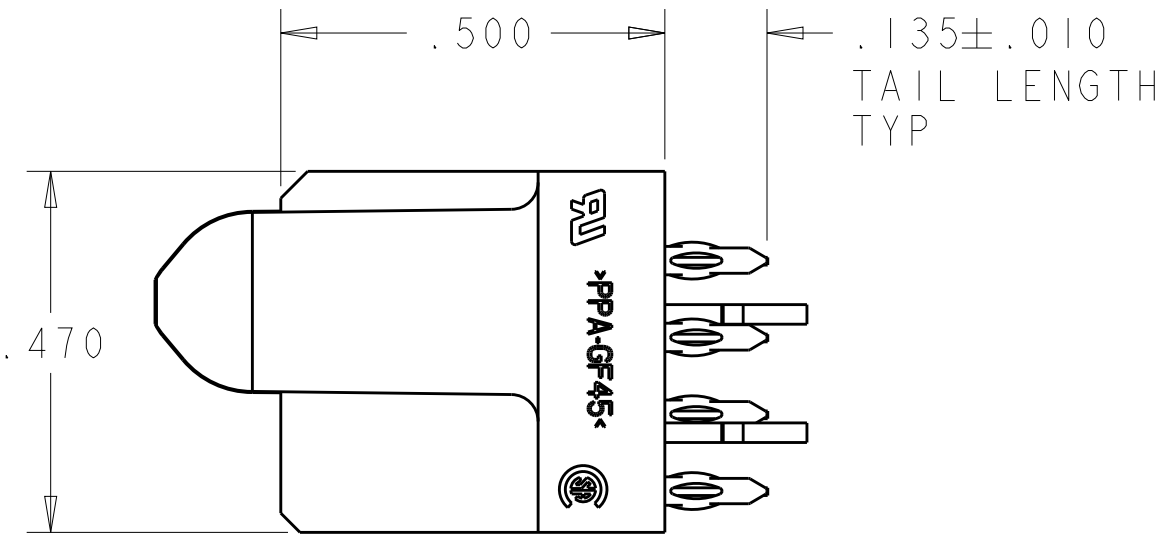
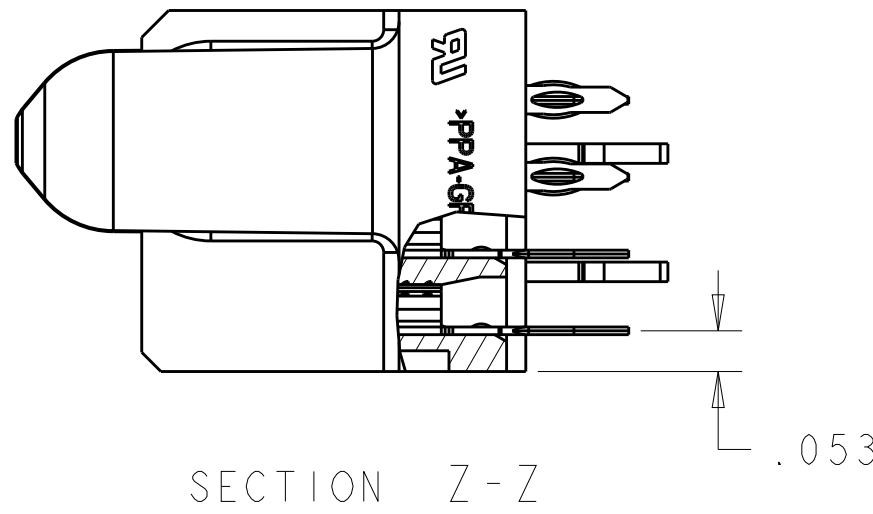


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		G7	REV PER ECR-09-008079	08APR2009	OL	SY
			H	REV PER ECR-12-003783	28FEB2012	CZ	SZ
			H2	ADD NEW PART -29	28JAN2015	AY	SZ



- 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-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±.003 DIA HOLE
- 9 VARIABLE DIMENSIONS PLEASE REFER TO TABLE FOR DETAIL.

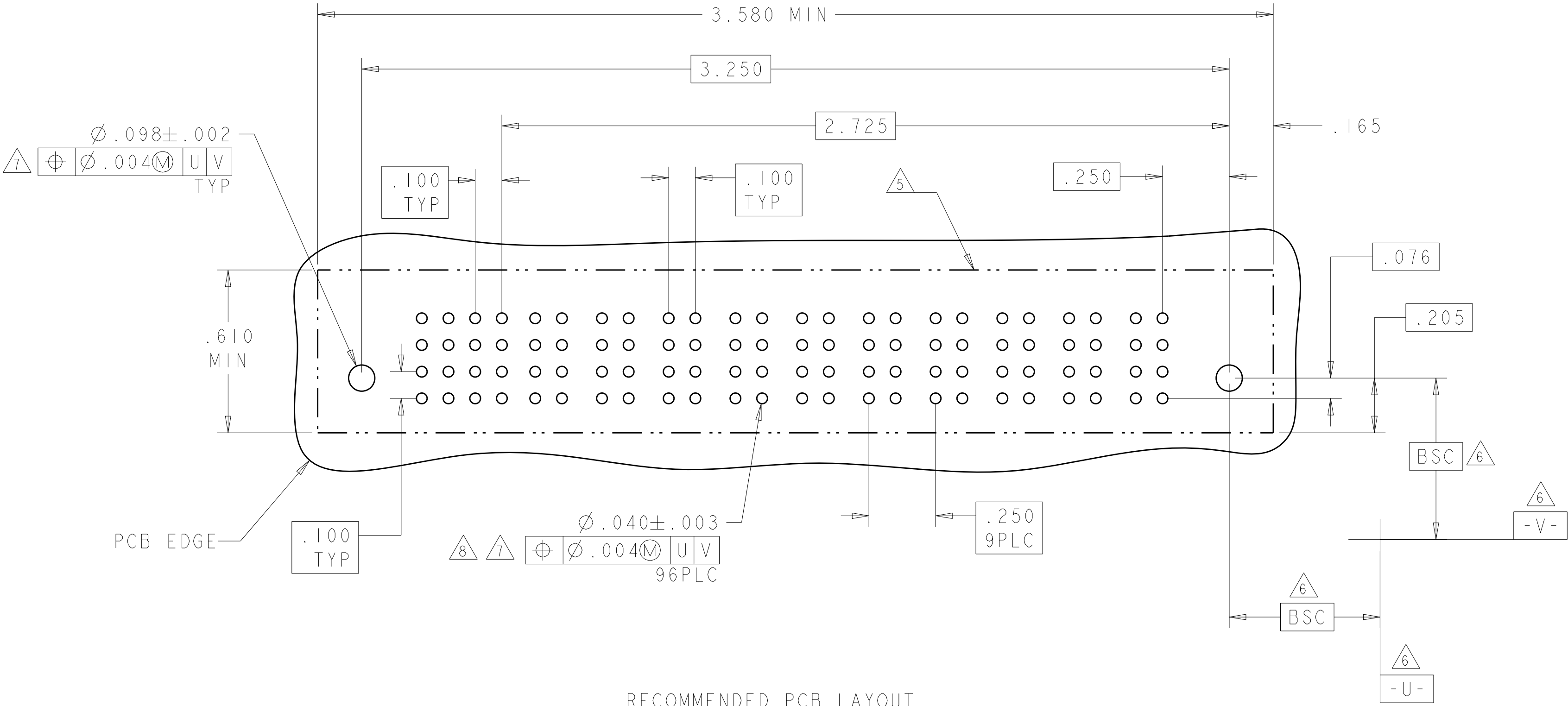


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI CHK M.PERCHERKE APVD M.PERCHERKE	28FEB05 28FEB05	TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES FINISH		± ±.01 ±.005 ±.0020 ±2° -		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	
MATERIAL -		WEIGHT -		SIZE A100779	
3		4		C=6450542	
CUSTOMER DRAWING		SCALE 4:1		SHEET 1 OF 10	
				REV H2	

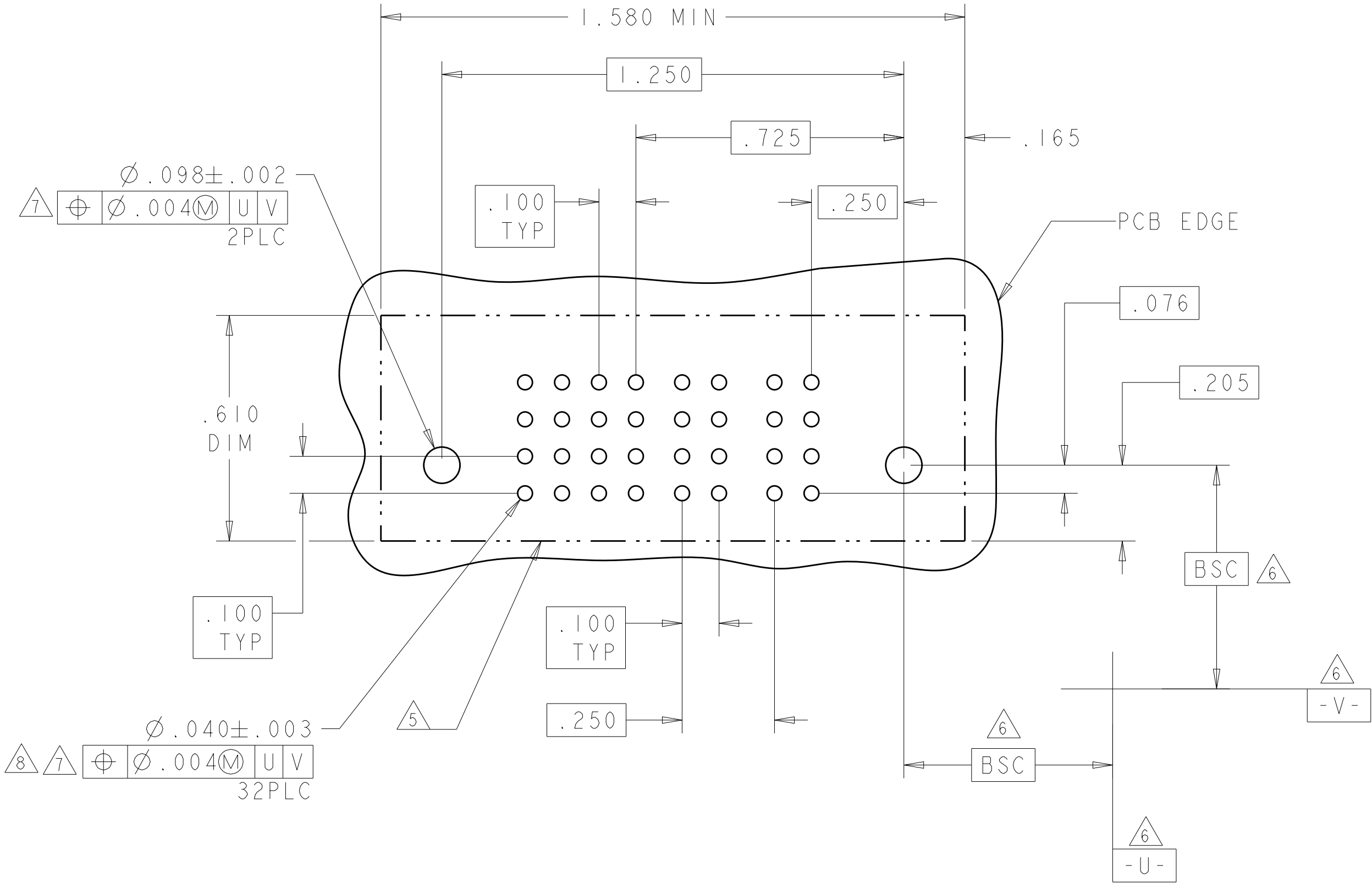
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ES		00		P	LTR	DESCRIPTION	DATE
				-	-	SEE SHEET 1	-

PART NUMBER	ROWS		SIGNAL				POWER																																																																																																																																																																																																																																																																																																																																				
			4	3	2	1	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1																																																																																																																																																																																																																																																																																																																											
2-6450542-2	D C B A	 HD	AP	AP	AP	AP																																																																																																																																																																																																																																																																																																																																					

PART NUMBER	ROWS		SIGNAL				POWER		
			4	3	2	1	P2	P1	
2-6450542-3	D C B A		AP	AP	AP	AP			
			AP	AP	AP	AP			
			AP	AP	AP	AP			
			AP	AP	AP	AP			
			AP	AP	AP	AP			
									
2P + 16S									



RECOMMENDED PCB LAYOUT
6450542-22



RECOMMENDED PCB LAYOUT
6450542-23

H2	RECOMMENDED PCB LAYOUT 6450542-23								H
	1.500	.250	1.375	1.550	-	1.850	.450	4P + 8S	
	4.425	.200	2.200	4.475	-	4.775	.450	9P + 92S	
	3.350	.200	2.825	3.400	-	3.700	.450	12HDP + 24S	
	2.825	.250	2.300	2.875	-	3.175	.475	3ACP + 4P + 24S	
	1.200	.250	.875	1.250	-	1.550	.450	2P + 16S	
	3.200	.250	2.875	3.250	-	3.550	.450	10P + 16S	
	2.300	.250	1.875	2.350	-	2.650	.450	6P + 20S	
	1.800	.250	1.275	1.850	-	2.150	.450	4P + 24S	
	2.900	.250	2.375	2.950	-	3.250	.450	8P + 24S	
	2.100	.250	1.375	2.150	-	2.450	.450	4P + 32S	
	2.100	.250	1.875	2.150	-	2.450	.450	6P + 12S	
	2.900	.200	2.425	3.000	-	3.300	.450	10HDP + 24S	
	2.000	.250	.875	-	-	2.350	.450	2P + 48S	
	5.900	.250	5.375	5.950	-	6.250	.450	20P + 24S	
	1.400	.250	.875	1.450	-	1.750	.450	2P + 24S	
	1.100	-	.575	1.150	-	1.450	.425	1P + 24S	
	4.425	.250	3.875	4.475	-	4.775	.450	14P + 24S	
	3.050	.250	2.125	3.100	-	3.400	.450	7P + 40S	
	3.800	-	3.550	3.850	-	4.150	.475	11P + 12S	
	3.800	-	3.550	3.850	-	4.150	.475	11P + 12S	
	3.000	.250	2.375	3.050	-	3.350	.450	8P + 28S	
	1.600	.250	1.375	1.650	-	1.950	.450	4P + 12S	
	DIM U	DIM S	DIM W	DIM D	DIM M	DIM L	DIM K	DESCRIPTION	PART NUMBER

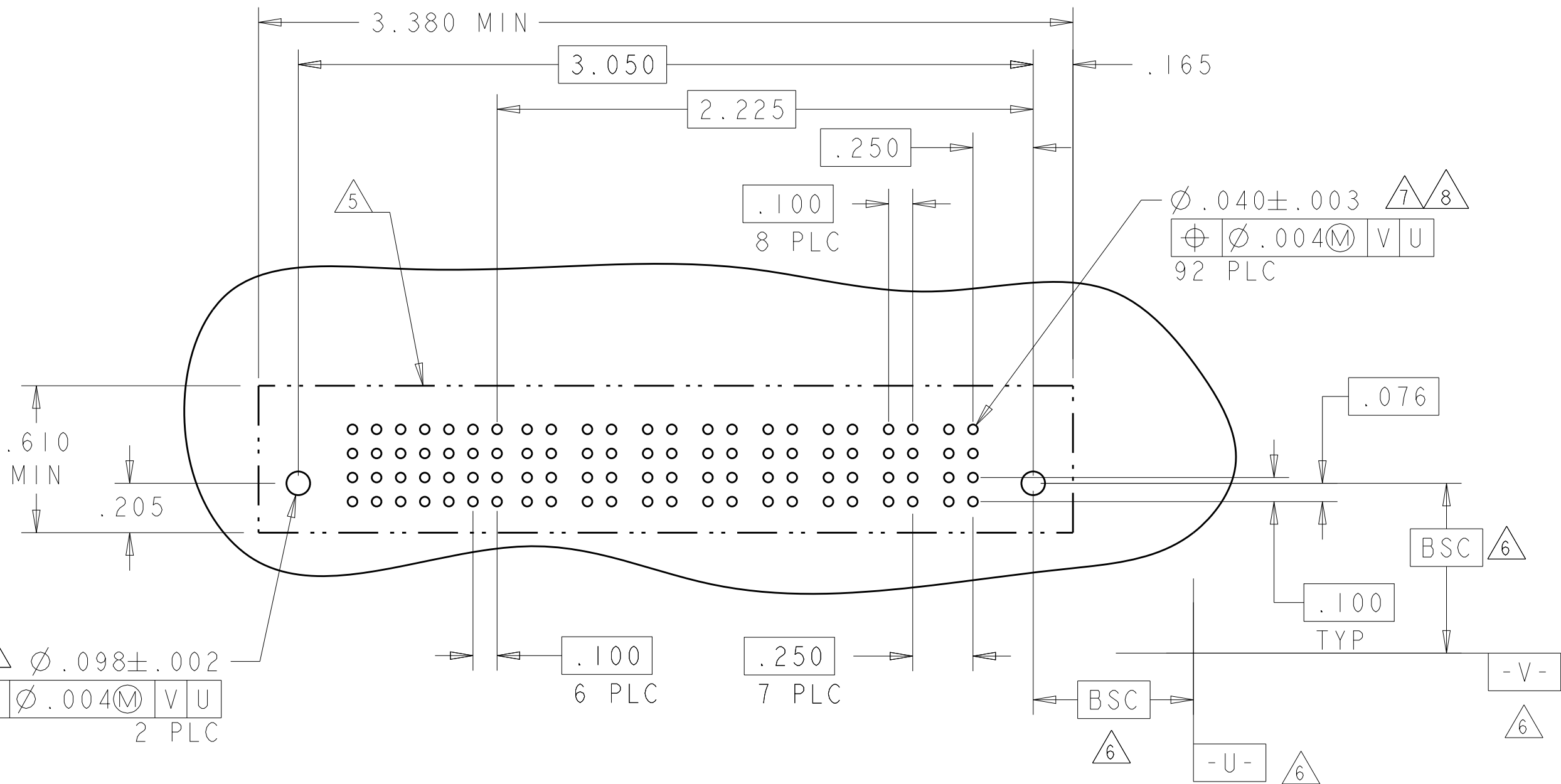
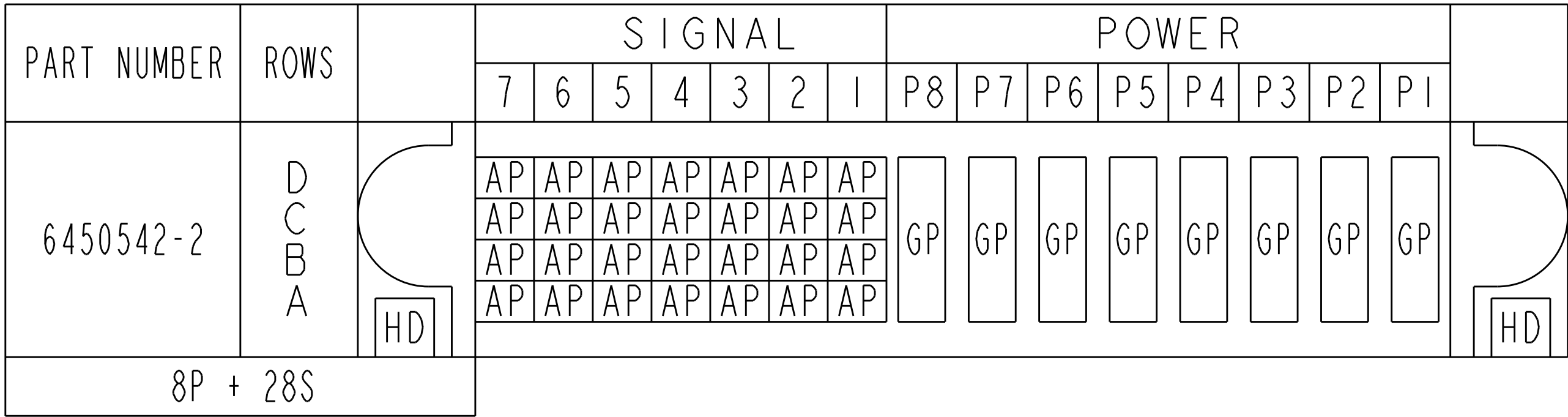
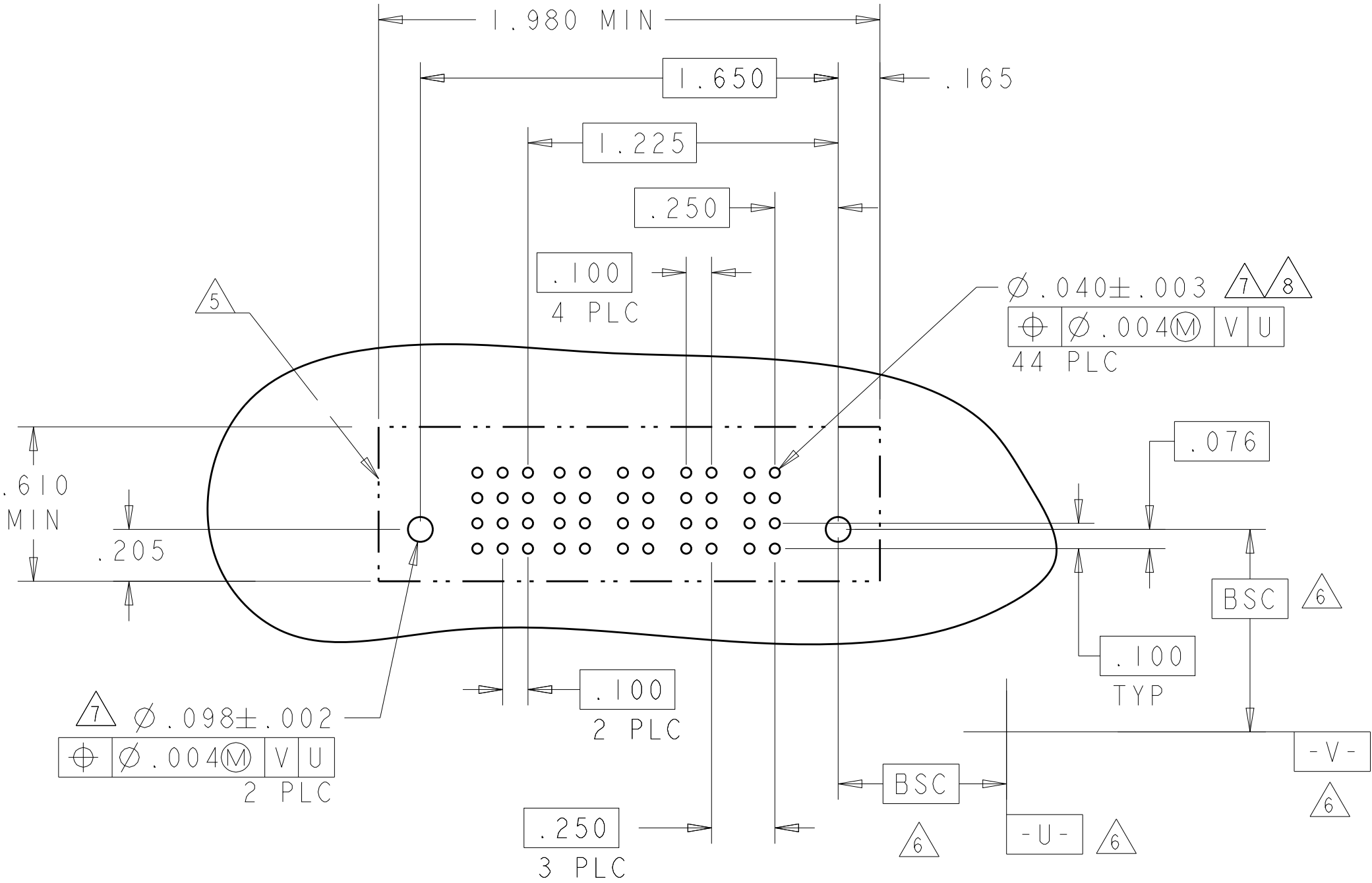
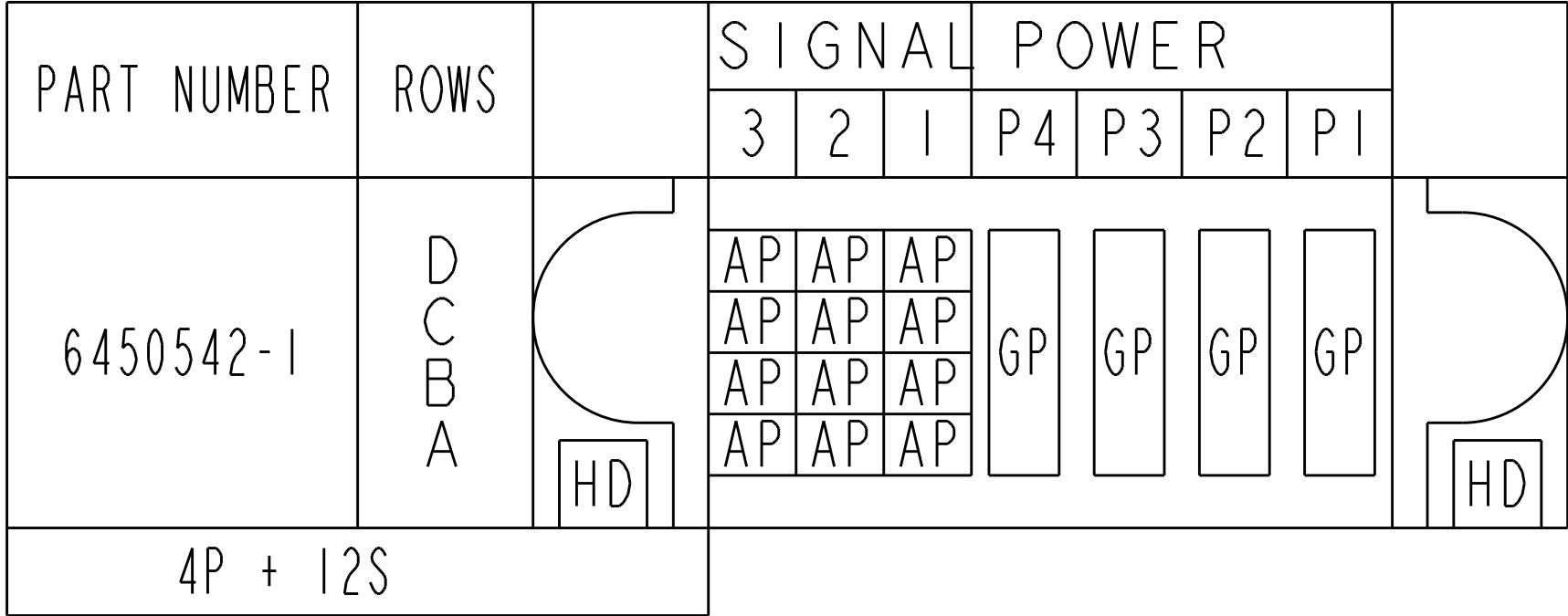
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE	28FEB95 28FEB05
DIMENSIONS: INCHES		PRODUCT SPEC 108-1973	NAME
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.0020		APPLICATION SPEC 114-13038	SIZE
MATERIAL		WEIGHT	CAGE CODE
		CUSTOMER DRAWING	DRAWING NO
		SCALE	REV

TE TE Connectivity

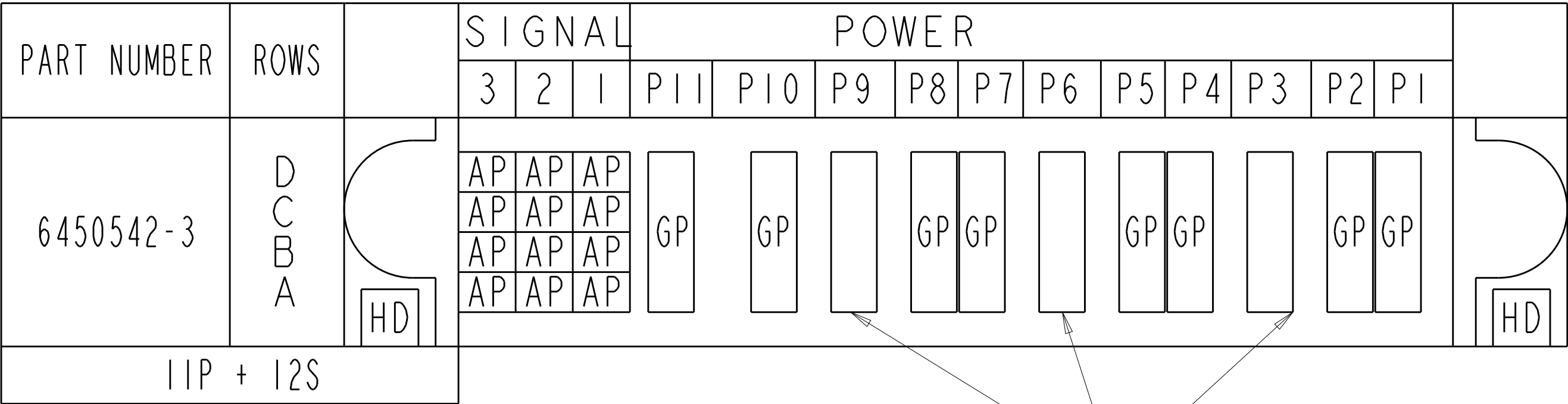
VERTICAL RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

A100779C=6450542

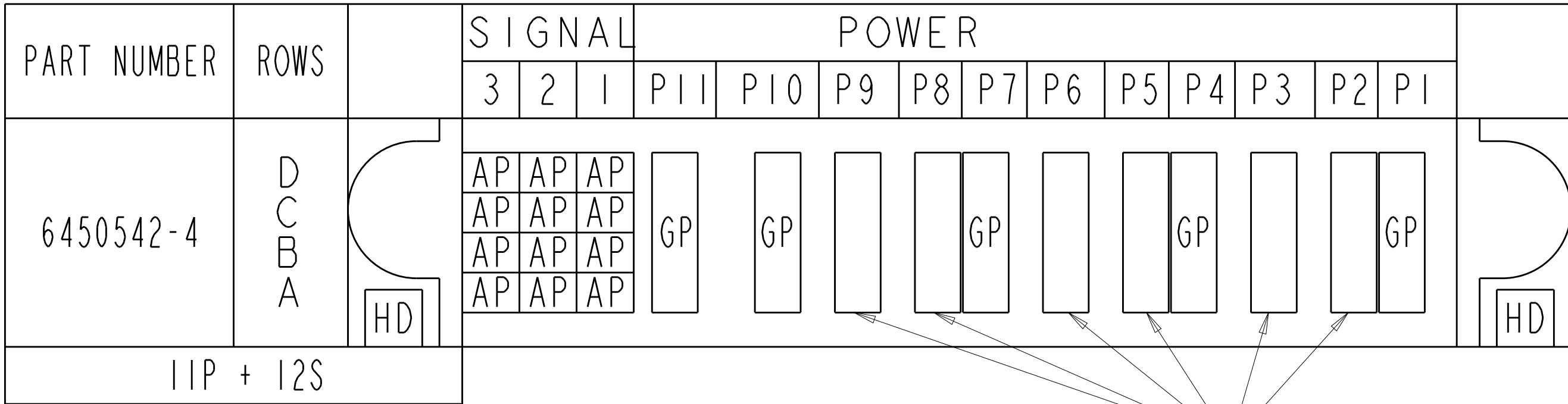
SHEET 2 OF 10



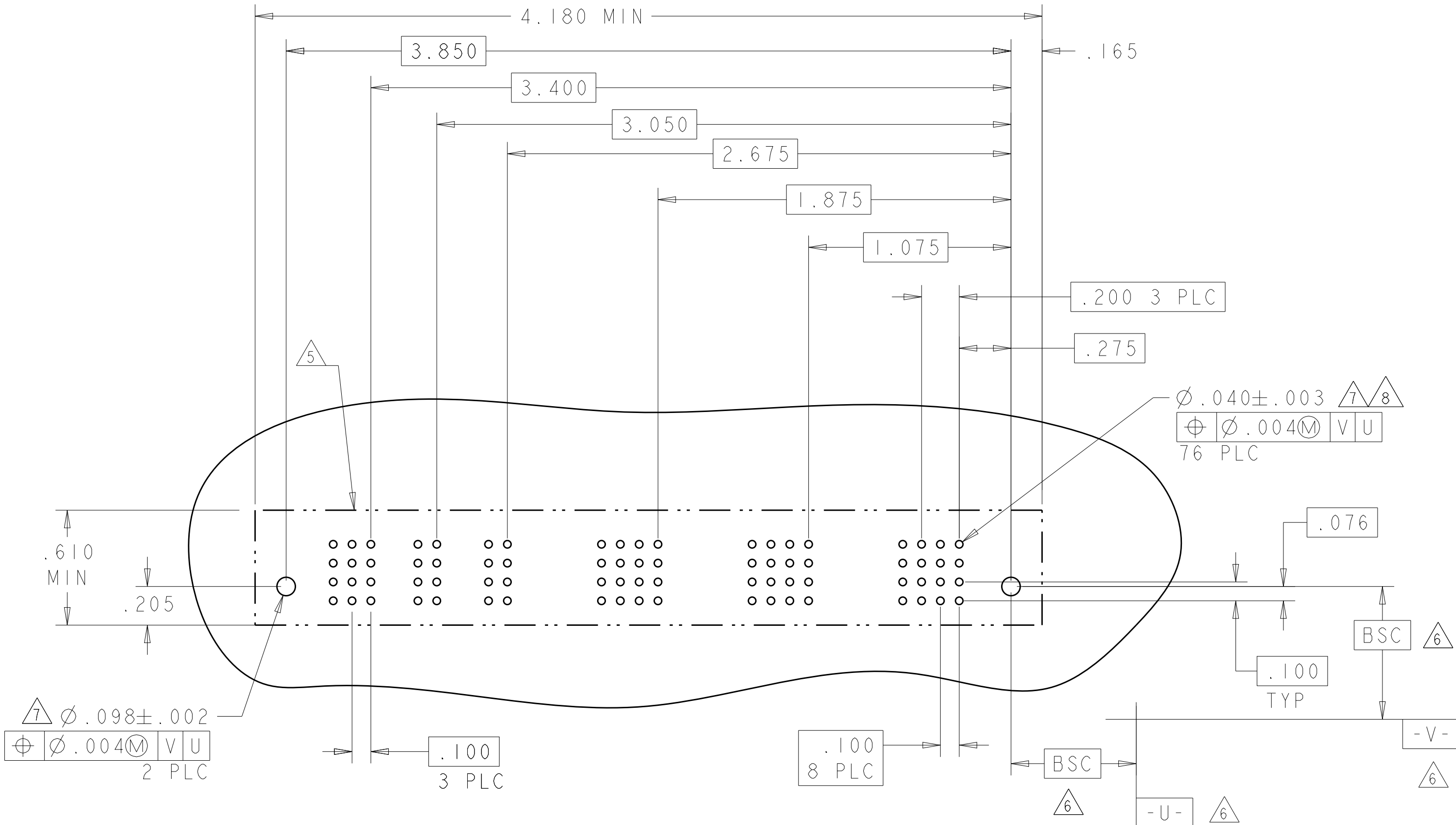
LOC		DIST		REVISIONS				
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		-		SEE SHEET 1	-	-	-	



NO CONTACTS LOADED



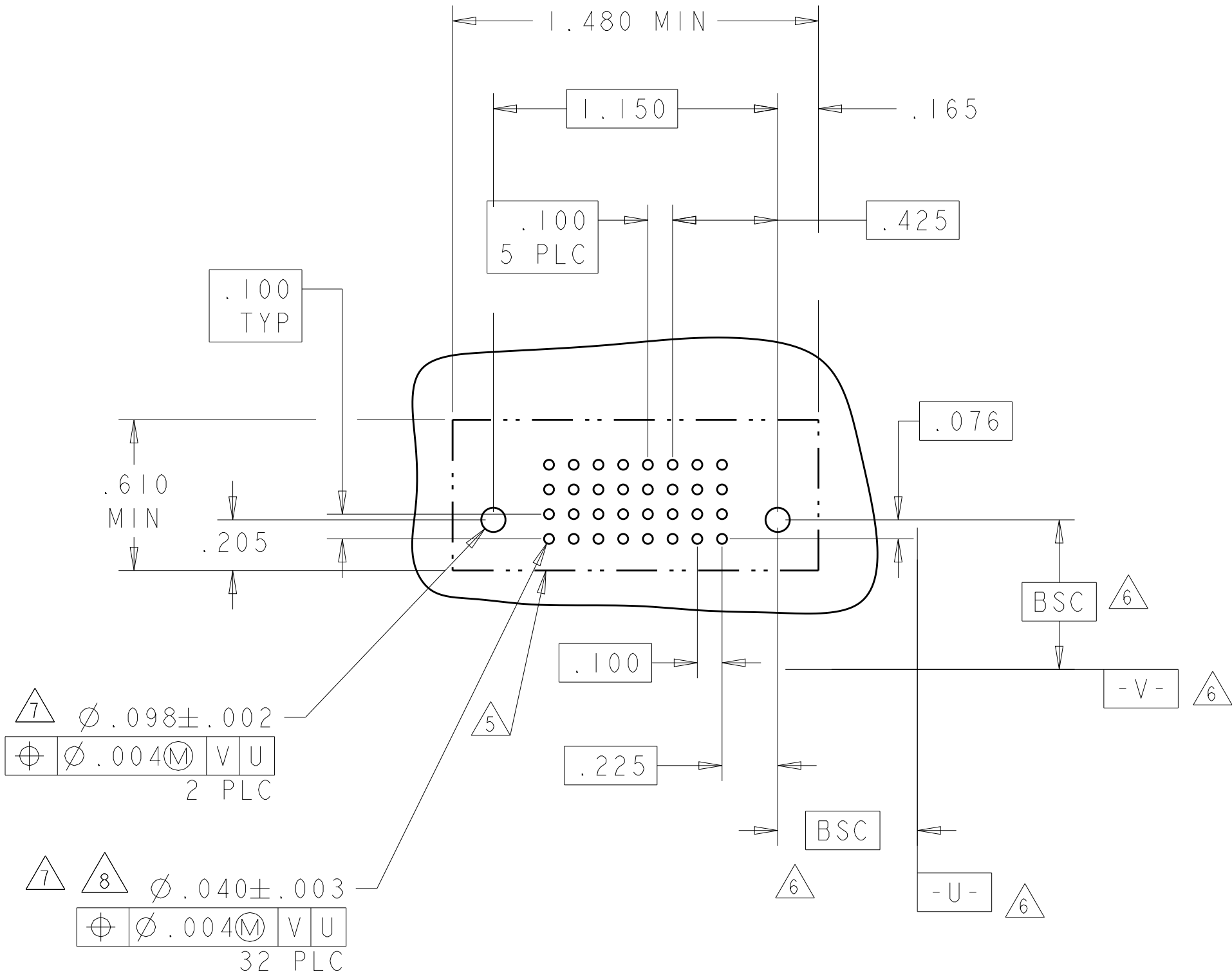
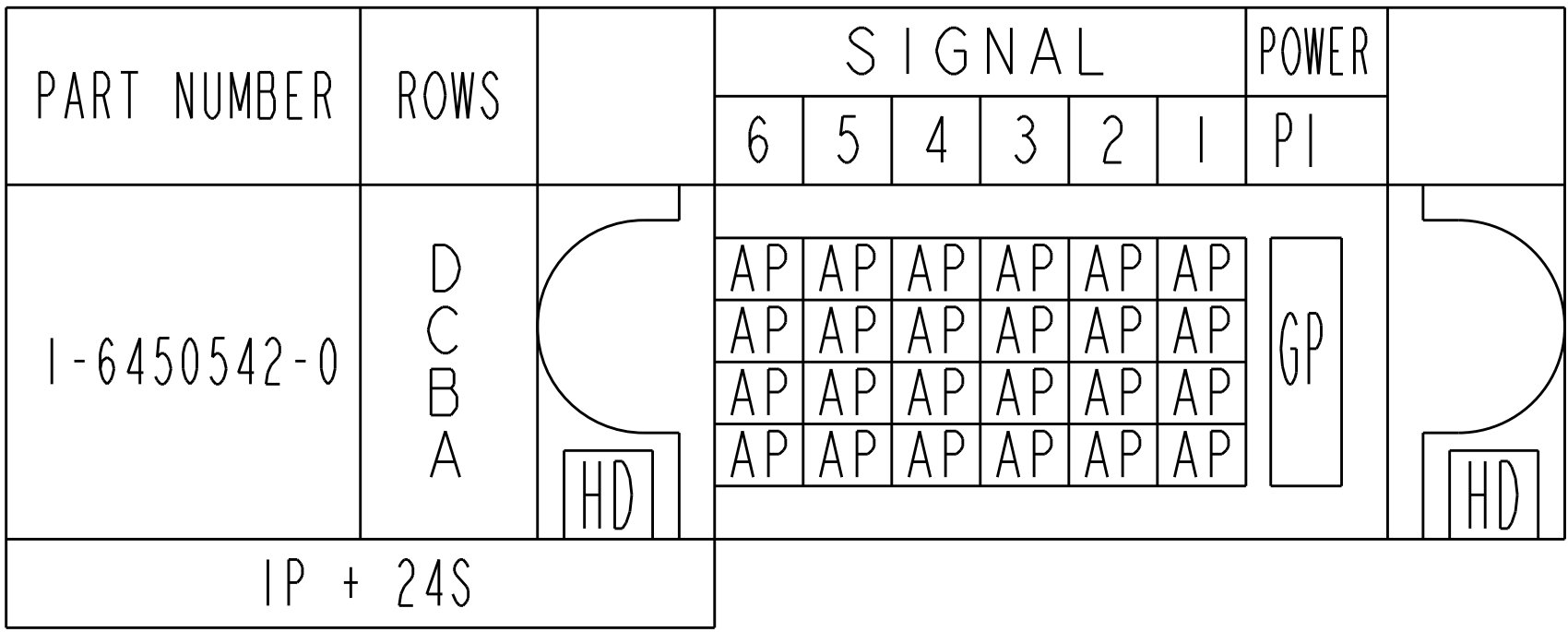
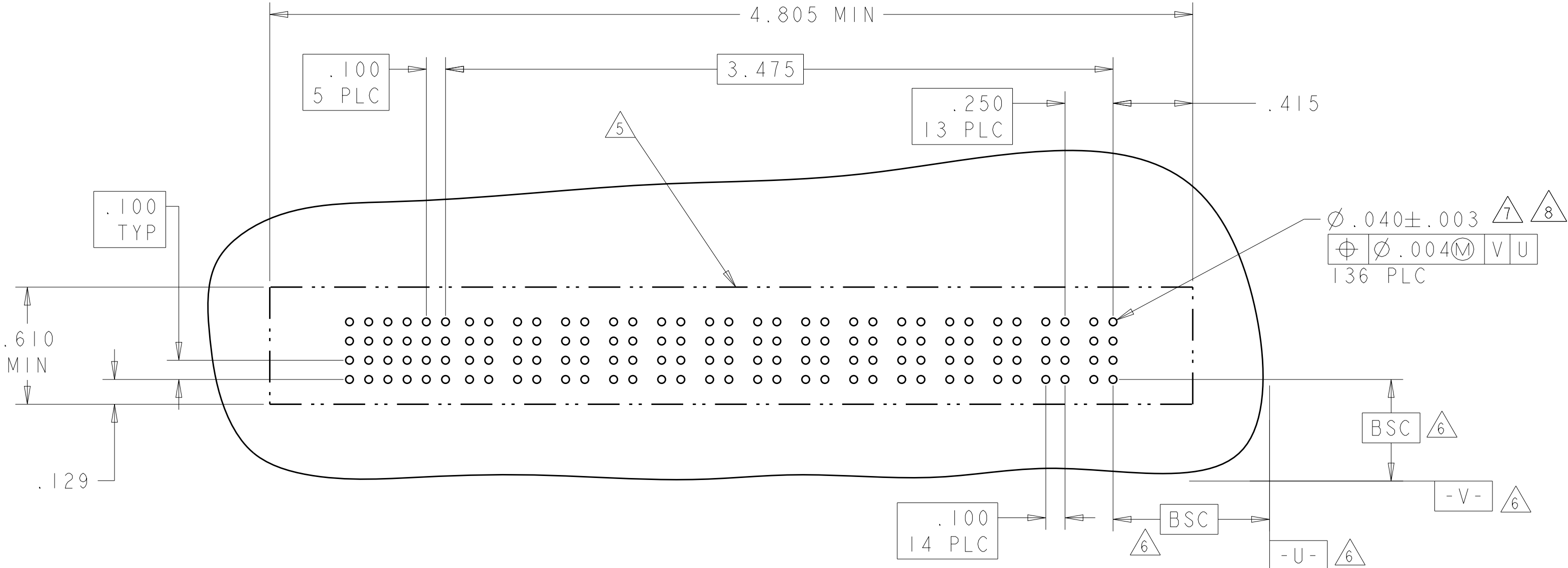
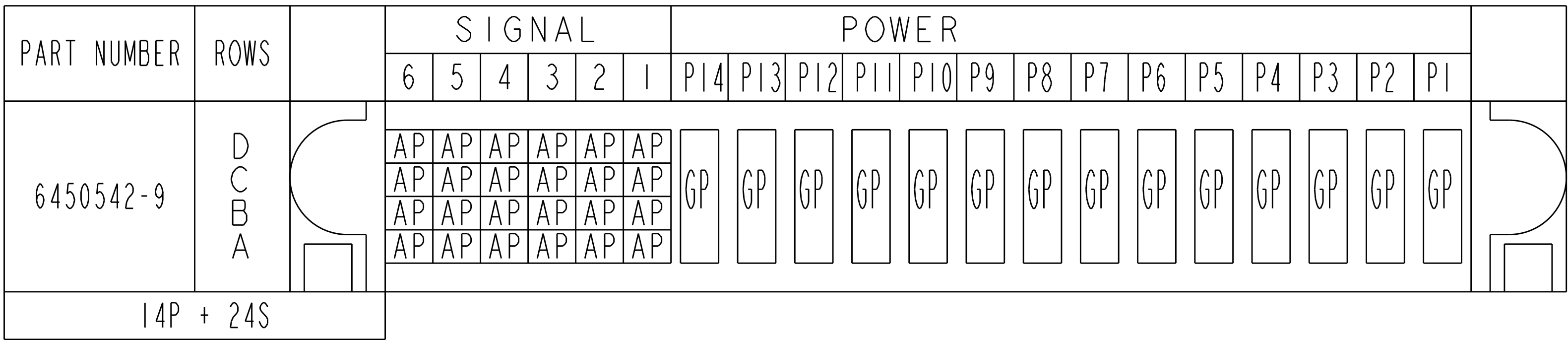
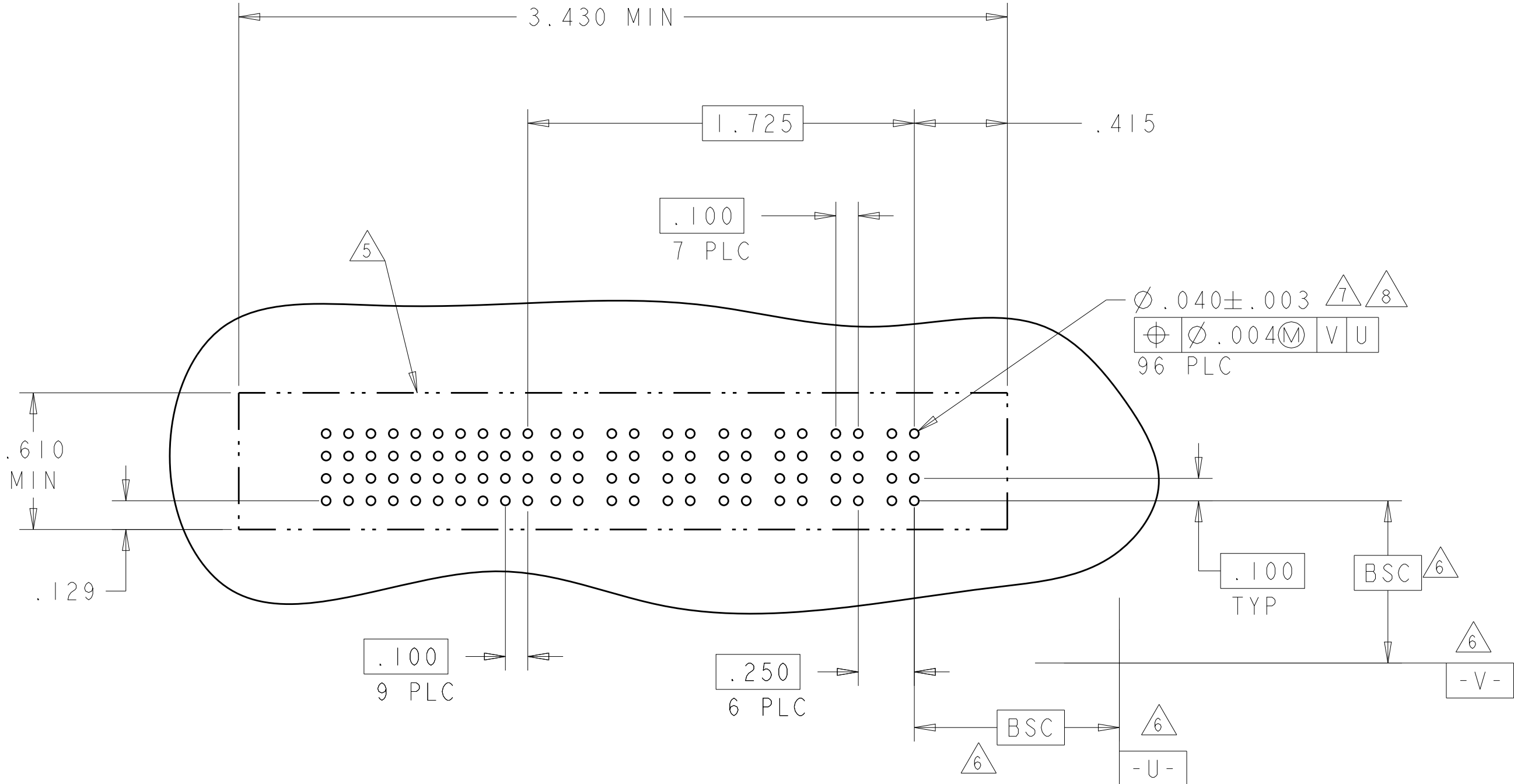
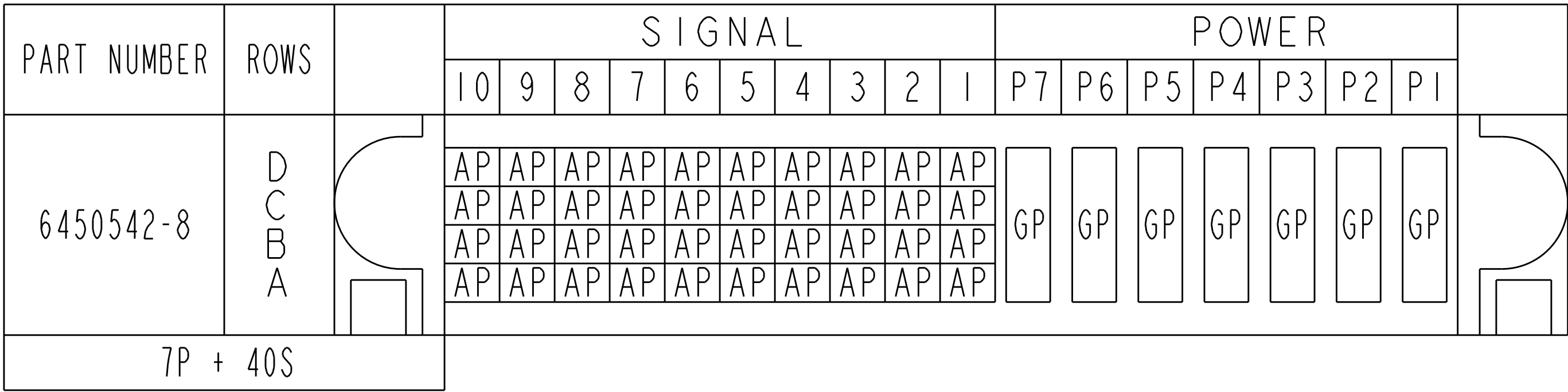
NO CONTACTS LOADED



AP	SIGNAL PRESS FIT
GS	POWER PRESS FIT, STD
GP	POWER PRESS FIT, MFBL
CODE	TAIL LENGTH

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	28FEB95 28FEB05	TE Connectivity			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME			
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020		PRODUCT SPEC			
MATERIAL		FINISH		APPLICATION SPEC			
				114-13038			
				WEIGHT			
				CUSTOMER DRAWING			
				SIZE			
				CAGE CODE			
				DRAWING NO			
				RESTRICTED TO			
				A100779			
				SCALE			
				1:1			
				SHEET			
				3 OF 10			
				REV			
				H2			

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

28FEB95
28FEB05

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

FINISH

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=6450542

RESTRICTED TO

SCALE
4:1

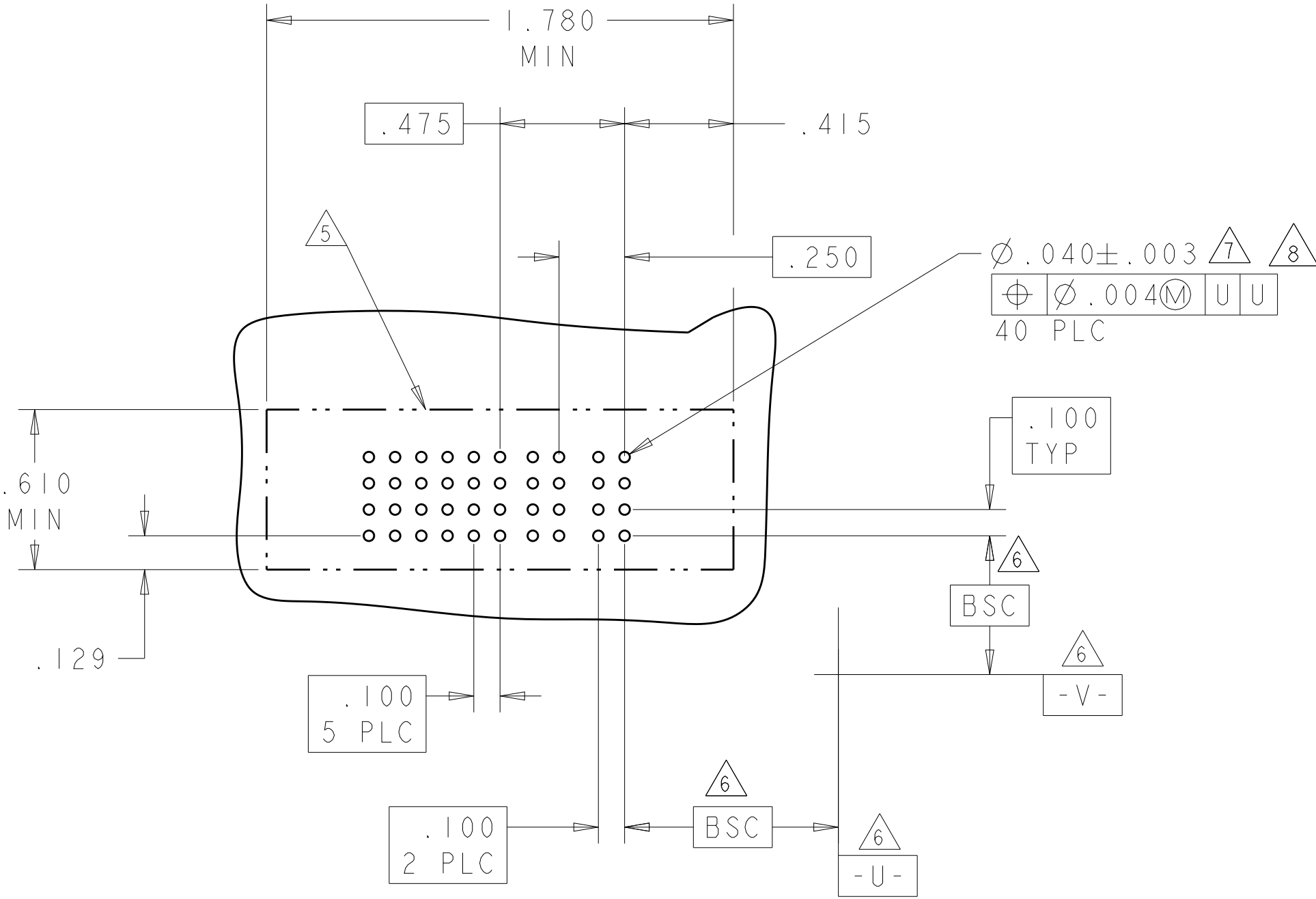
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4

OF
10

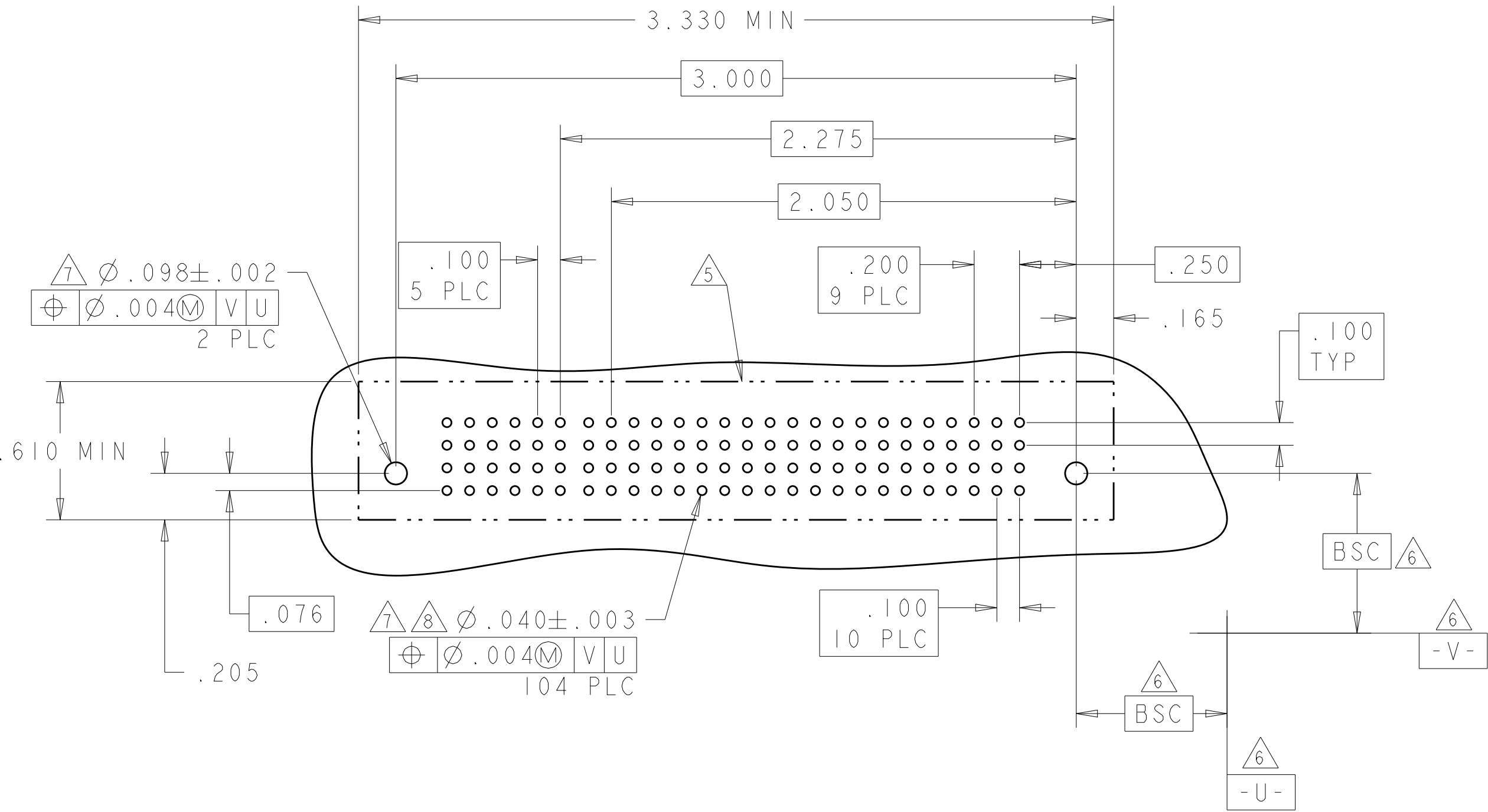
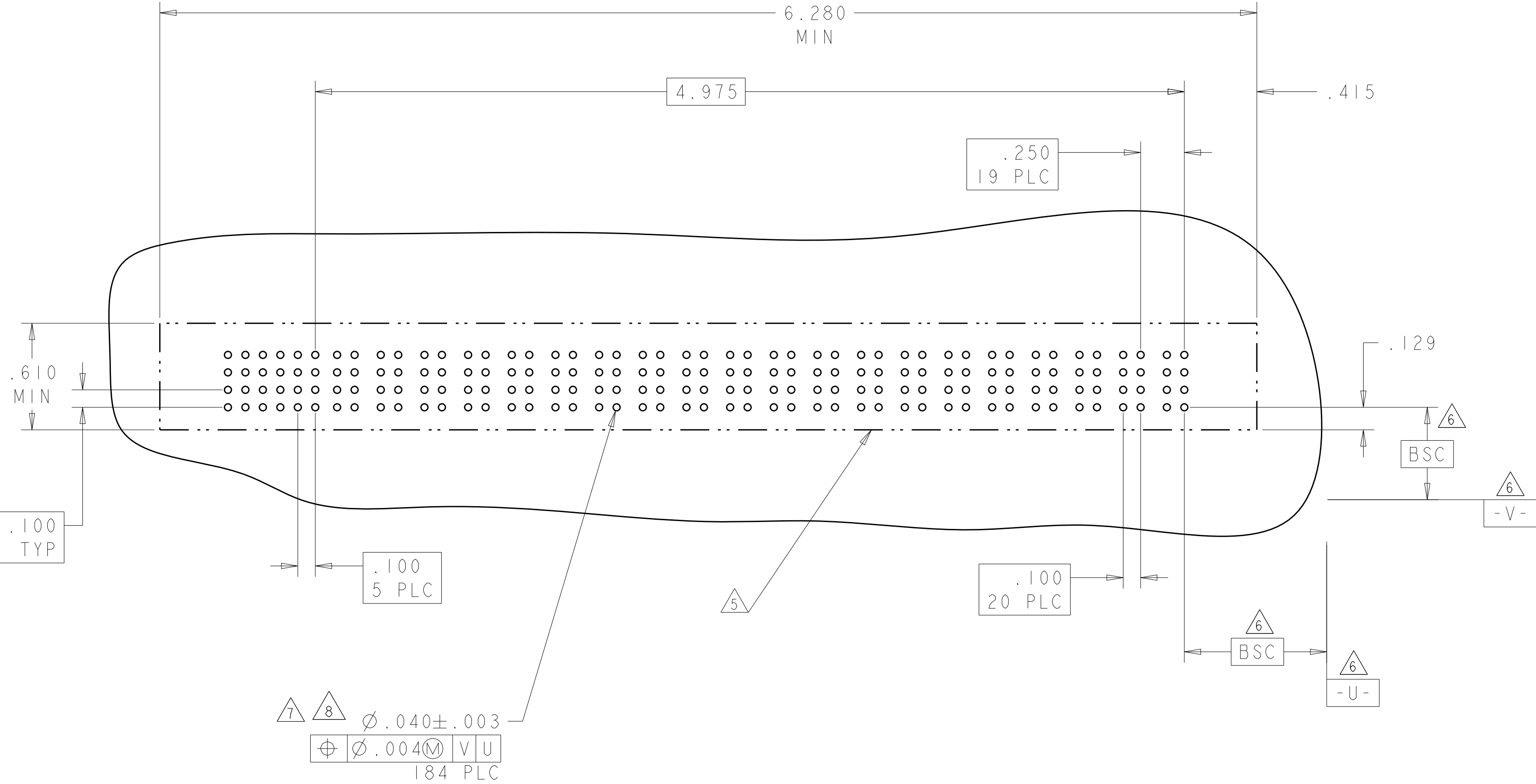
REV
H2

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

PART NUMBER	ROWS		SIGNAL						POWER			
			6	5	4	3	2	1	P2	P1		
1-6450542-1	D		AP	AP	AP	AP	AP	AP	GP	GP		
	C		AP	AP	AP	AP	AP	AP				
	B		AP	AP	AP	AP	AP	AP				
	A		AP	AP	AP	AP	AP	AP				
2P + 24S												



PART NUMBER	ROWS		SIGNAL						POWER																																									
			6	5	4	3	2	1	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5		P4	P3	P2	P1																					
1-6450542-2	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	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	AP	AP	AP	
20P + 24S																																																		



PART NUMBER	ROWS		SIGNAL						POWER										
			6	5	4	3	2	1	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	
1-6450542-5	D		AP	AP	AP	AP	AP	AP											
	AP		AP	AP	AP	AP	AP												
	AP		AP	AP	AP	AP	AP												
	AP		AP	AP	AP	AP	AP												
10HDP + 24S																			

THIS DRAWING IS A CONTROLLED DOCUMENT.

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

28FEB95
28FEB05

DIMENSIONS:
INCHES

0 PLC ±.01
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
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
A100779

CAGE CODE
C=6450542

DRAWING NO
REV
H2

TE Connectivity

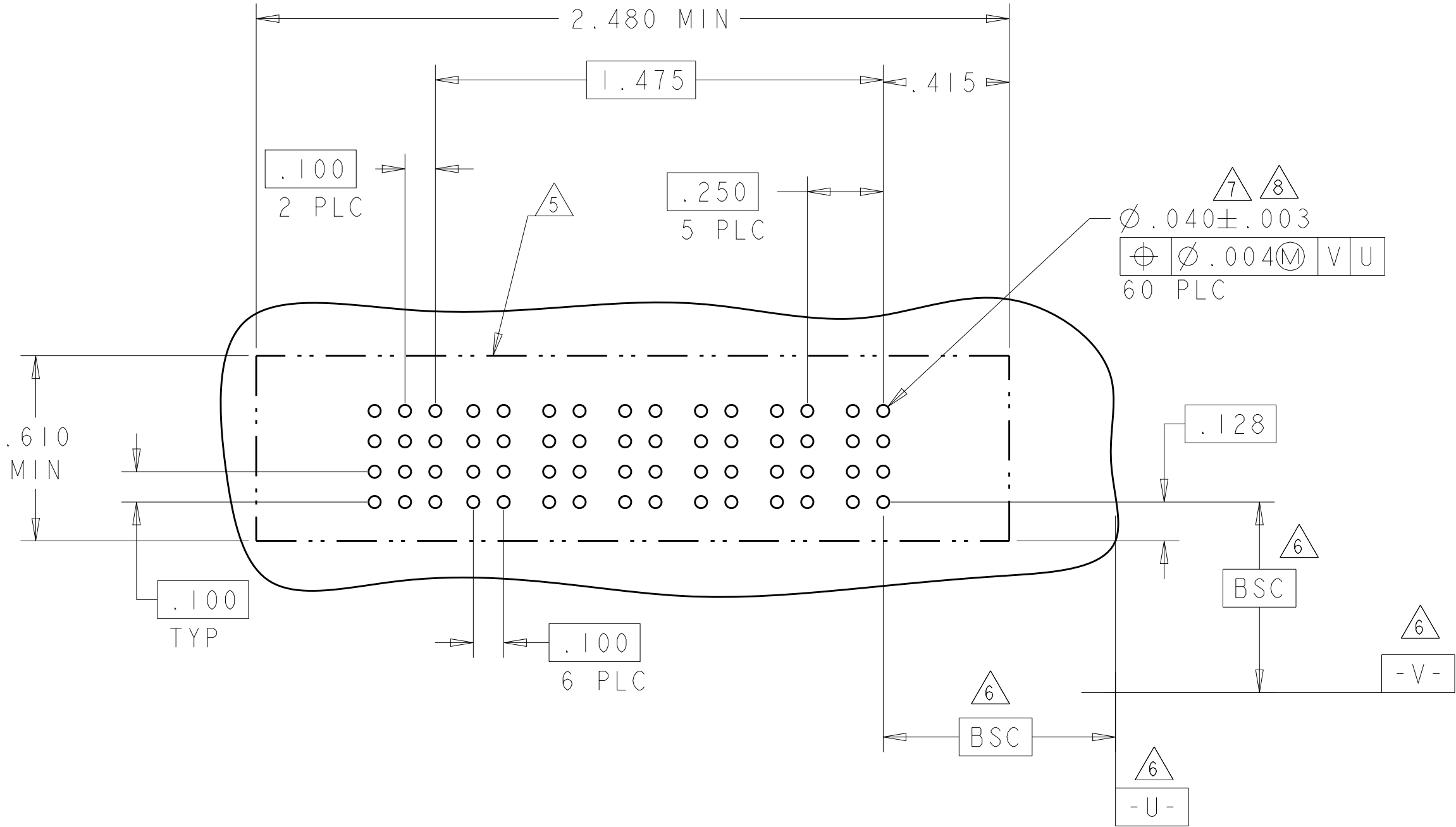
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4:1

SHEET
5 OF 10

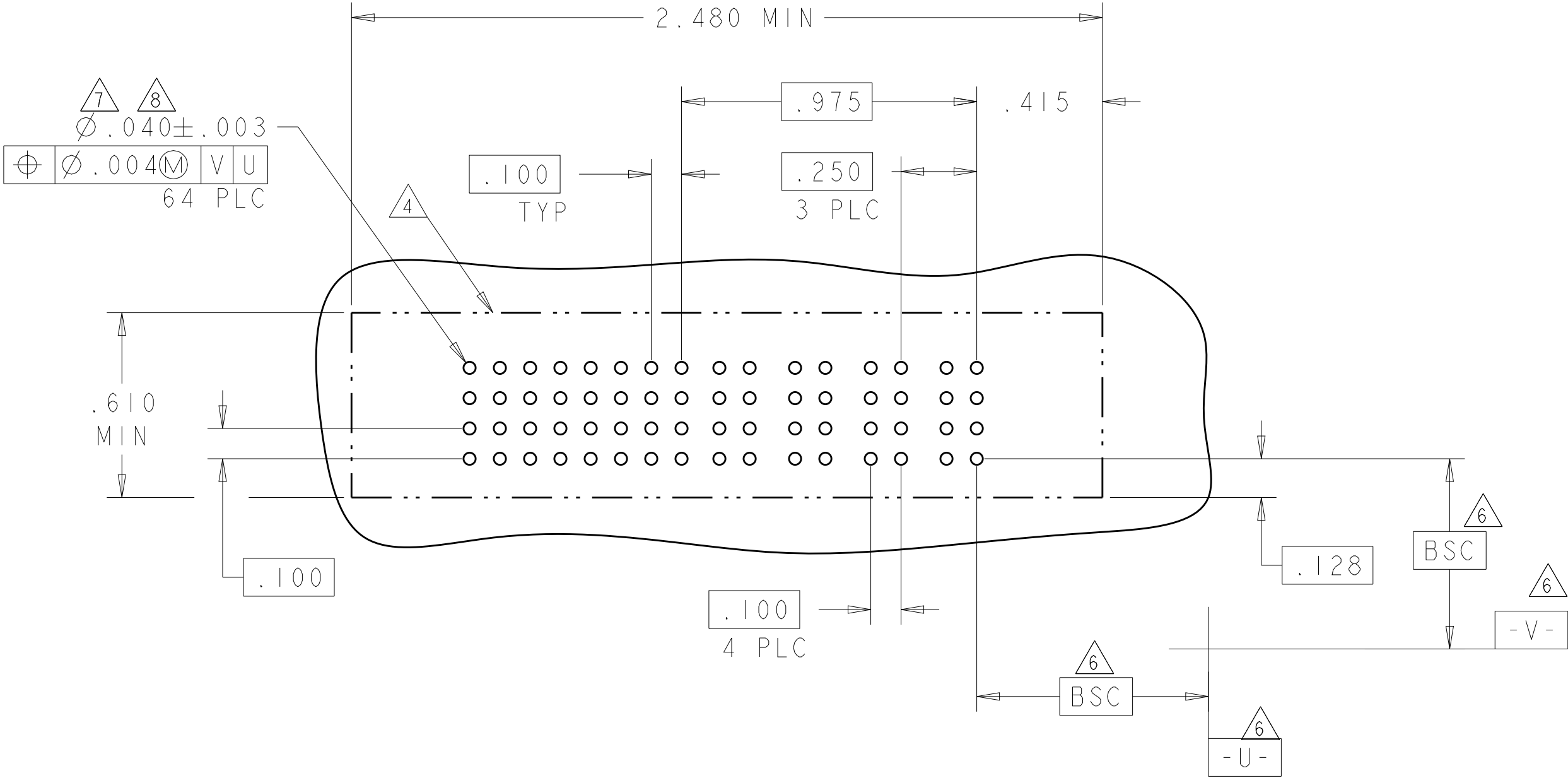
RESTRICTED TO
-

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

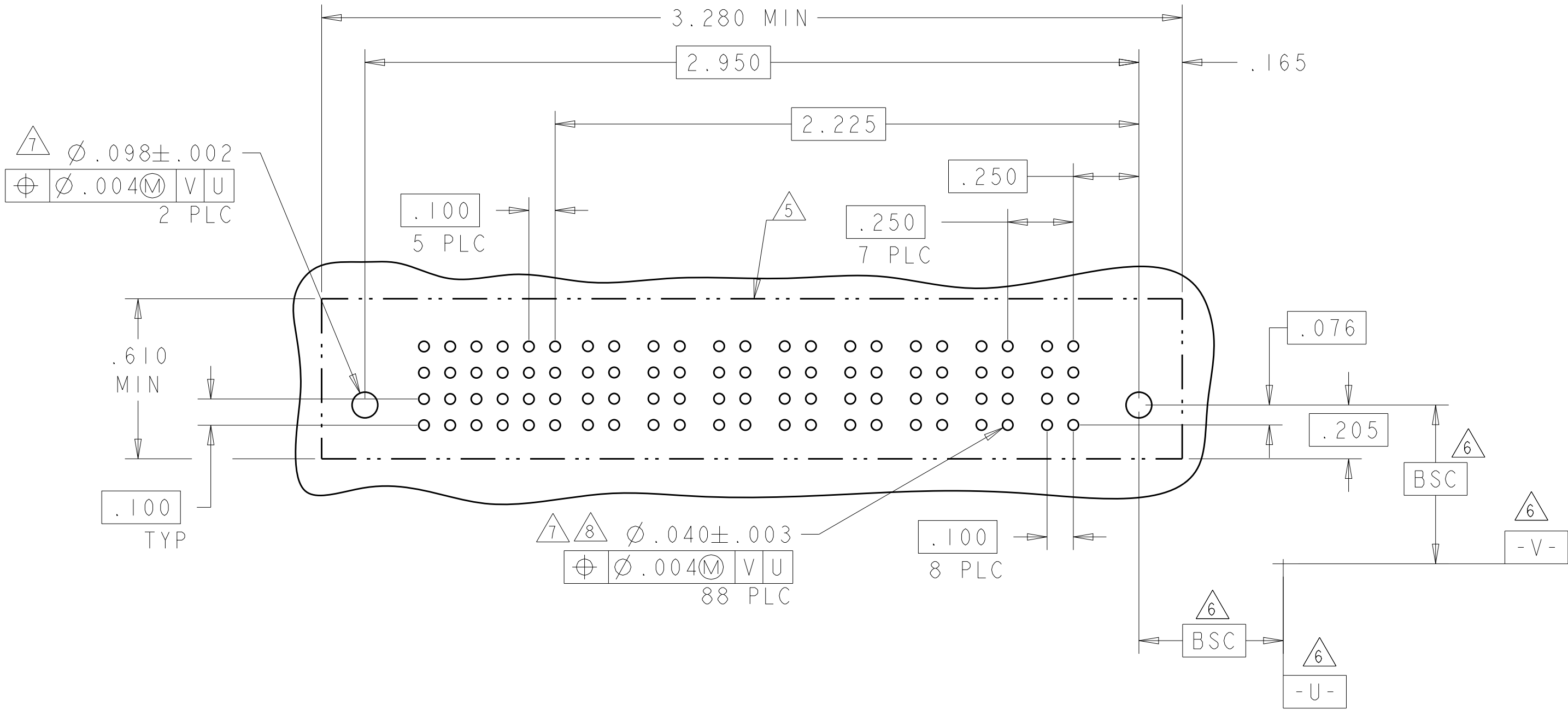
ASSY PART NUMBER	ROWS		SIGNAL			POWER						
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I - 6450542-6	D C B A		AP	AP	AP	GS	GS	GS	GS	GS	GS	
			AP	AP	AP							
			AP	AP	AP							
			AP	AP	AP							
6P + 12S												



ASSY PART NUMBER	ROWS		SIGNAL								POWER				
			8	7	6	5	4	3	2	1	P4	P3	P2	P1	
1-6450542-7	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	AP	AP	AP	AP					
4P + 32S															



PART NUMBER	ROWS		SIGNAL							POWER							
			6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1	
1-6450542-8	D C B A		AP	AP	AP	AP	AP	AP	GP	GP	GP	GP	GP	GP	GP	GP	
			AP	AP	AP	AP	AP	AP									
			AP	AP	AP	AP	AP	AP									
			AP	AP	AP	AP	AP	AP									
8P + 24S																	



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: R. GRZYBOWSKI 28FEB95
CHK: M. PERCHERKE 28FEB05
APVD: M. PERCHERKE

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: 6450542

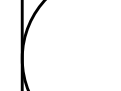
RESTRICTED TO

SCALE: 4:1

SHEET: 6 OF 10

REV: H2

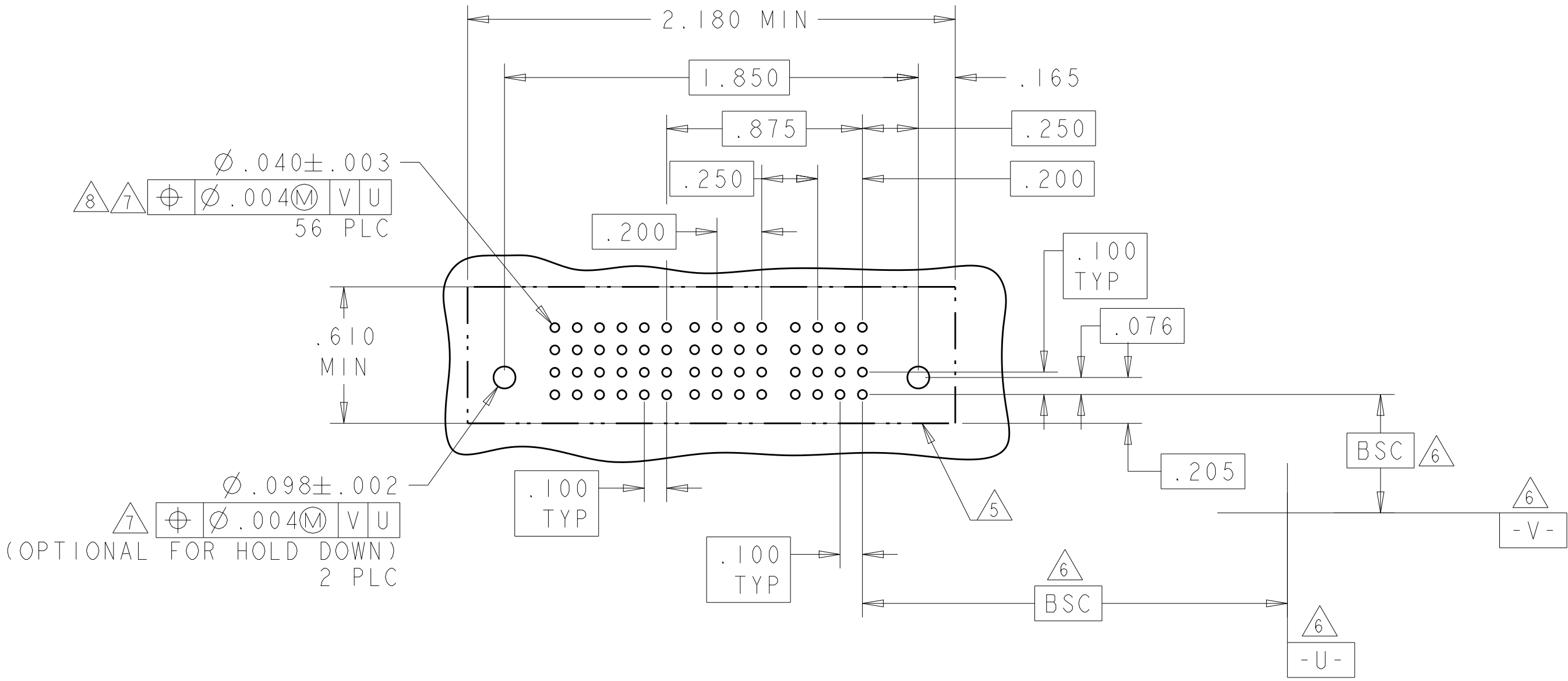
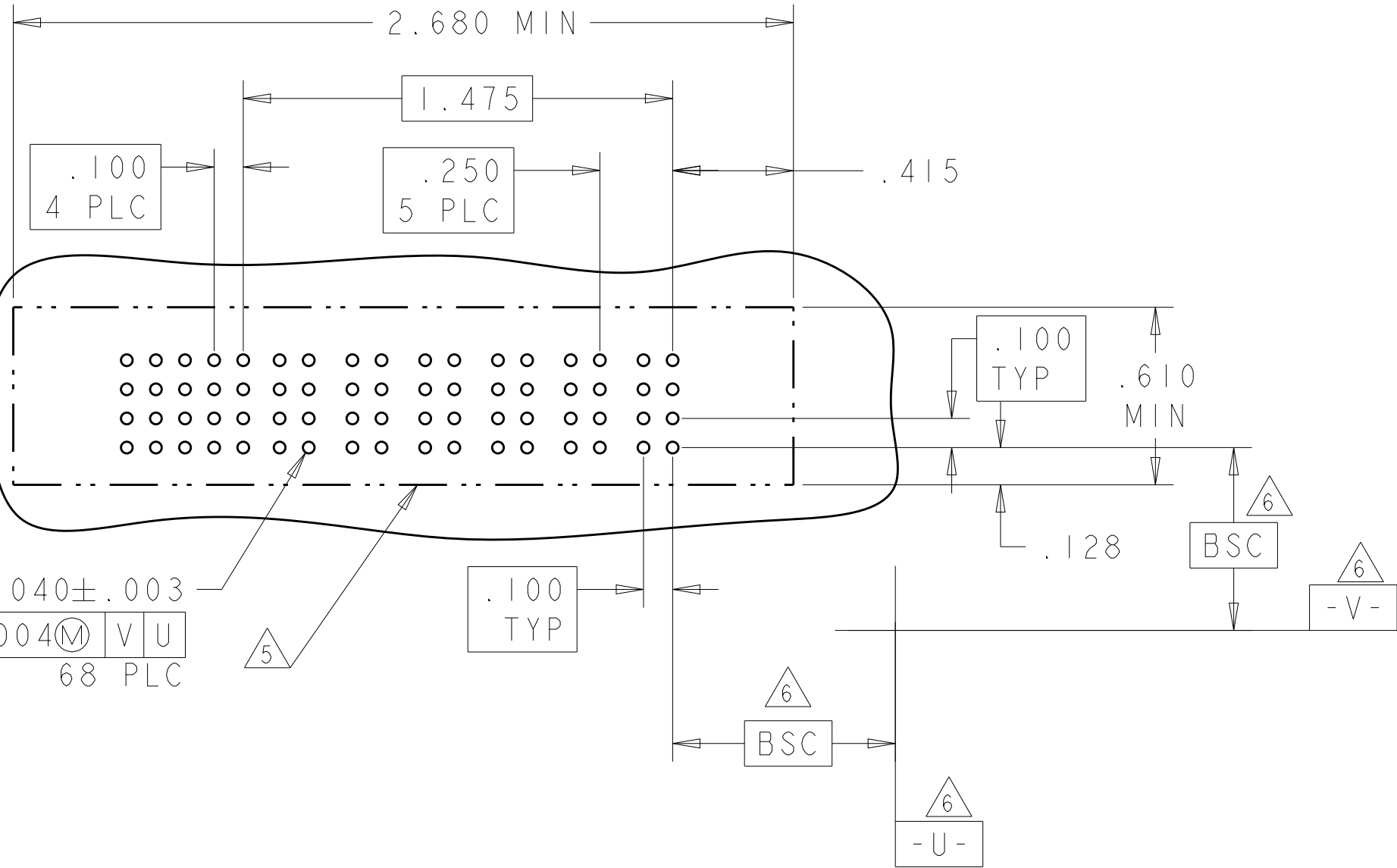
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		SIGNAL						POWER				
			6	5	4	3	2	1	P4	P3	P2	P1	
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			AP	AP	AP	AP	AP	AP					
			AP	AP	AP	AP	AP	AP					
			AP	AP	AP	AP	AP	AP					
4P + 24S													

.250

.200
2 PLC

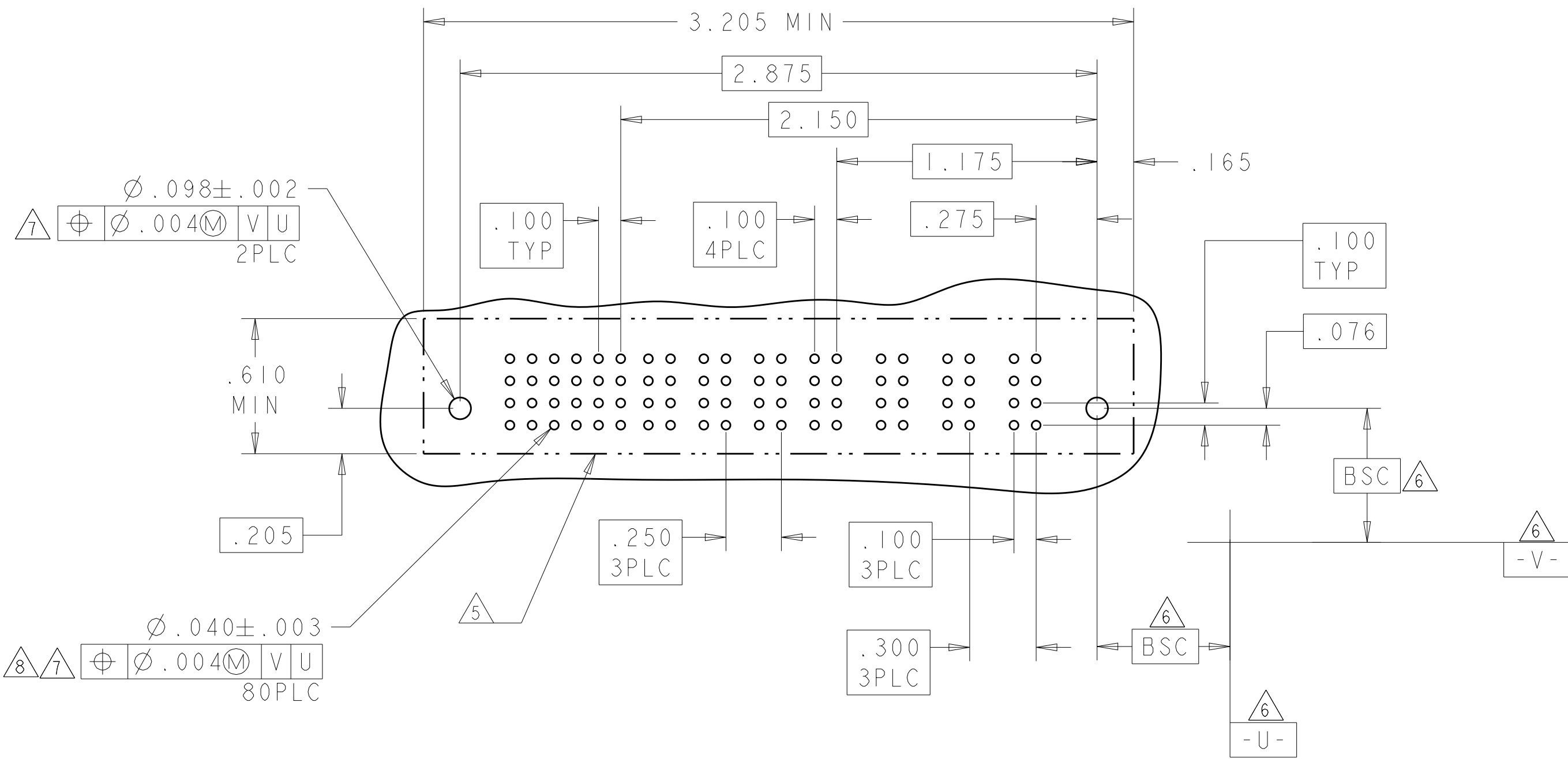
ASSY PART NUMBER	ROWS		SIGNAL					POWER						
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			AP	AP	AP	AP	AP							
			AP	AP	AP	AP	AP							
			AP	AP	AP	AP	AP							
6P + 20S														



PART NUMBER	ROWS		SIGNAL						POWER								
			6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1		
2-6450542-4	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									
3ACP + 4P + 24S																	

.300
3PLC

.250
3PLC



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

-

DWN R. GRZYBOWSKI 28FEB95

CHK M. PERCHERKE 28FEB05

APVD M. PERCHERKE

PRODUCT SPEC 108-1973

APPLICATION SPEC 114-13038

WEIGHT

CUSTOMER DRAWING

NAME

VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE 100779

CAGE CODE

DRAWING NO 6450542

RESTRICTED TO

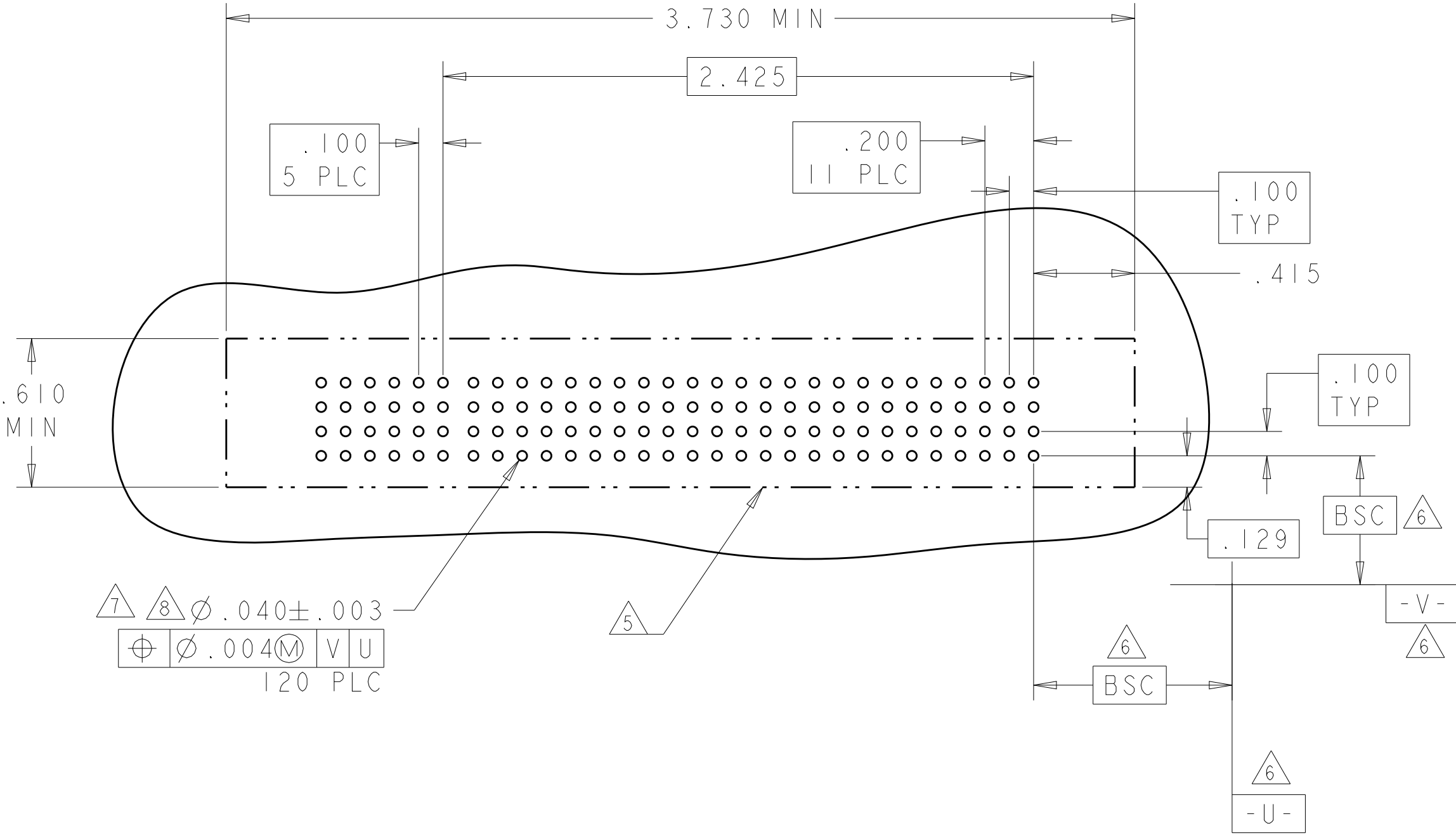
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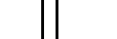
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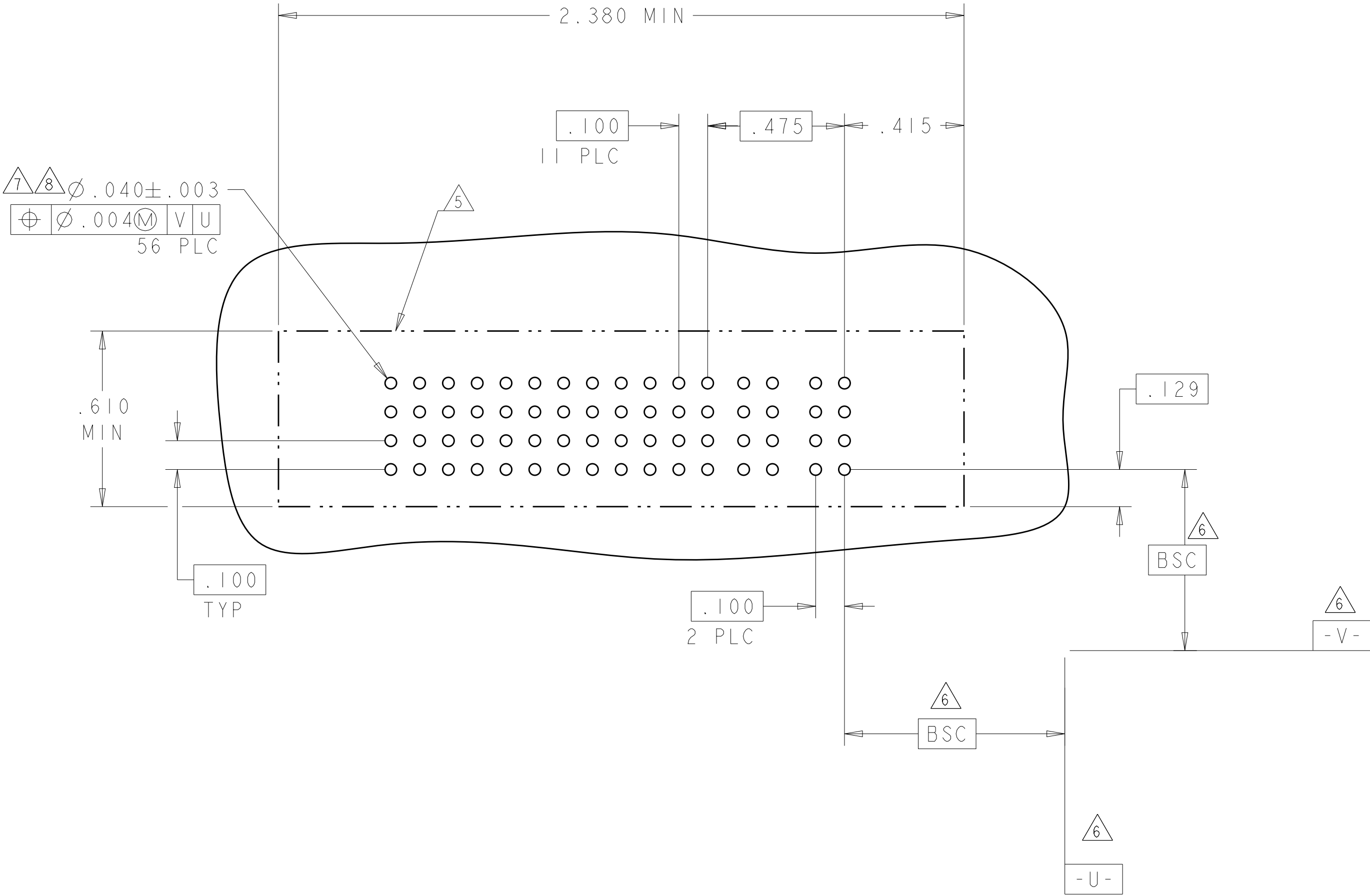
REV H2

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

PART NUMBER	ROWS		SIGNAL							POWER											
			6	5	4	3	2	1	P12	P11	P10	P09	P08	P07	P06	P05	P04	P03	P02	P01	
2-6450542-5	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													
12HDP + 24S																					



ASSY PART NUMBER	ROWS		SIGNAL												POWER		
			12	11	10	9	8	7	6	5	4	3	2	1	P2	P1	
1-6450542-4	D C B A		AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	
			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			
2P + 48S																	



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
R.GRZYBOWSKI
CHK
M.PERCHEKKE
APVD
M.PERCHEKKE

28FEB95
28FEB05

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

NAME

VERTICAL RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

SIZE
A100779

CAGE CODE
C=6450542

DRAWING NO

SCALE
4:1

SHEET
8

OF
10

REV
H2

TE Connectivity

CUSTOMER DRAWING

Technical drawing of a mechanical part, likely a bracket or plate, showing dimensions and tolerances. The drawing includes a top view and a side view.

Top View Dimensions:

- Overall width: 4.805 MIN
- Overall height: .610 MIN
- Distance from left edge to center of hole pattern: 1.800
- Distance between hole patterns: 1.200
- Distance from right edge of hole pattern to right edge: .415
- Distance from center of hole pattern to right edge: .400
- Distance from left edge to center of hole pattern: .100 TYP
- Distance from center of hole pattern to right edge: .100 TYP
- Distance from center of hole pattern to right edge: .200 4 PLC
- Distance from center of hole pattern to right edge: .100 7 PLC

Side View Dimensions:

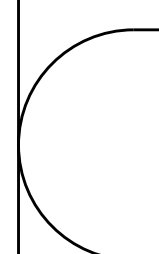
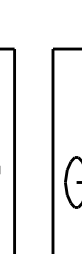
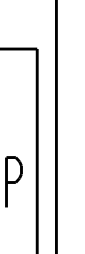
- Overall height: .610 MIN
- Distance from top edge to center of hole pattern: .100 TYP
- Distance from center of hole pattern to bottom edge: .100 TYP
- Distance from center of hole pattern to bottom edge: .200 4 PLC
- Distance from center of hole pattern to bottom edge: .100 7 PLC

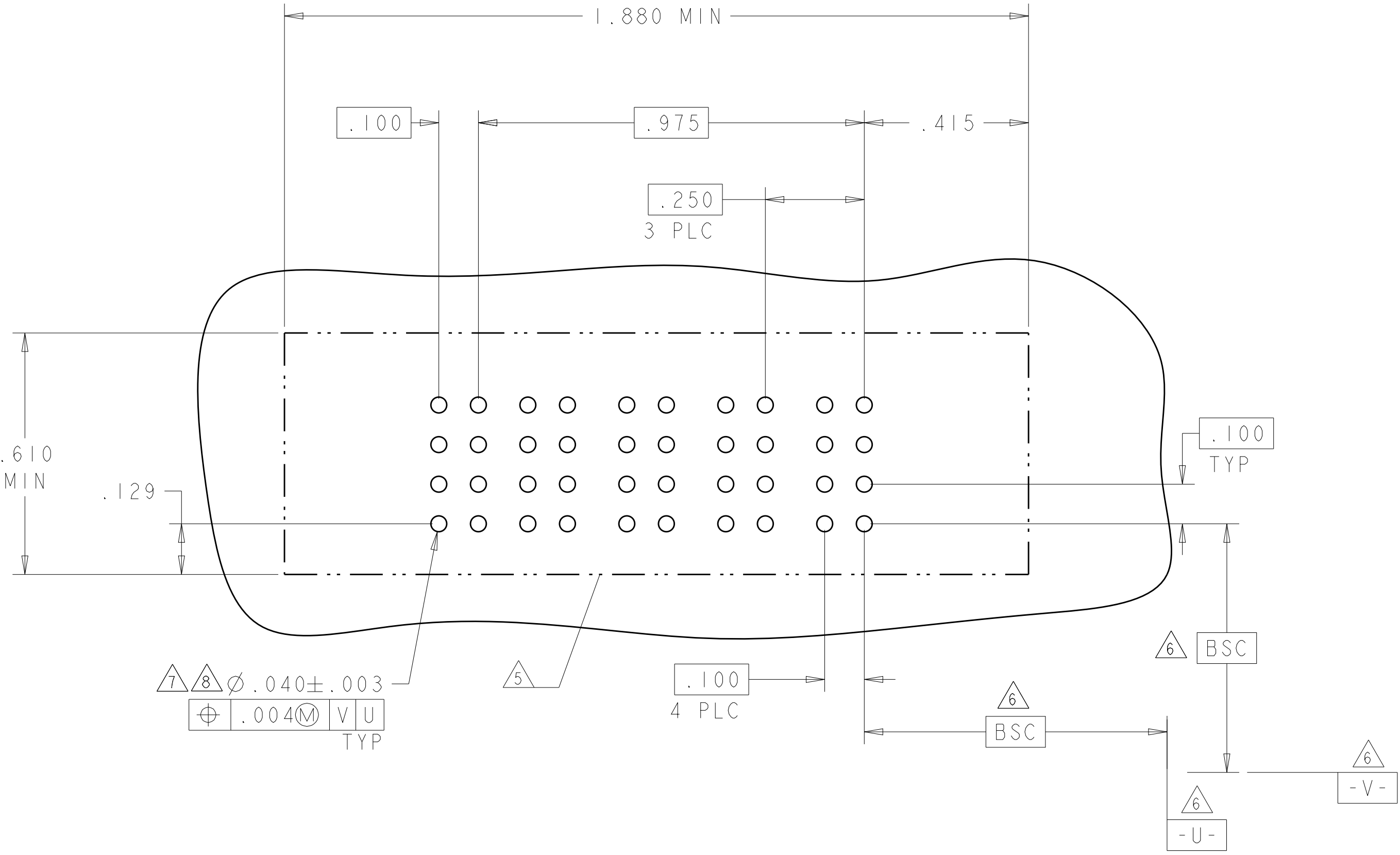
Feature Callouts:

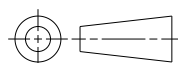
- Feature 8: $\varnothing .004$ V U 148 PLC
- Feature 7: $\varnothing .040$
- Feature 6: BSC
- Feature 5: SC
- Feature 4: -U-
- Feature 3: -V-

4805 (3/11)

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

PART NUMBER	ROWS		SIGNAL		POWER				
			2	1	P4	P3	P2	P1	
2-6450542-9	D C B A		AP	AP					
			AP	AP					
			AP	AP					
			AP	AP					
4P + 8S									



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI CHK M.PERCHEKKE APVD M.PERCHEKKE	28FEB95 28FEB05 -
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:	
		0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES FINISH	$\pm .01$ $\pm .01$ $\pm .005$ $\pm .0020$ $\pm 2^\circ$ -
MATERIAL -		WEIGHT -	
CUSTOMER DRAWING		NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
SIZE A1		CAGE CODE 100779	DRAWING NO. 6450542
SCALE 4:1		SHEET 10	REV H2