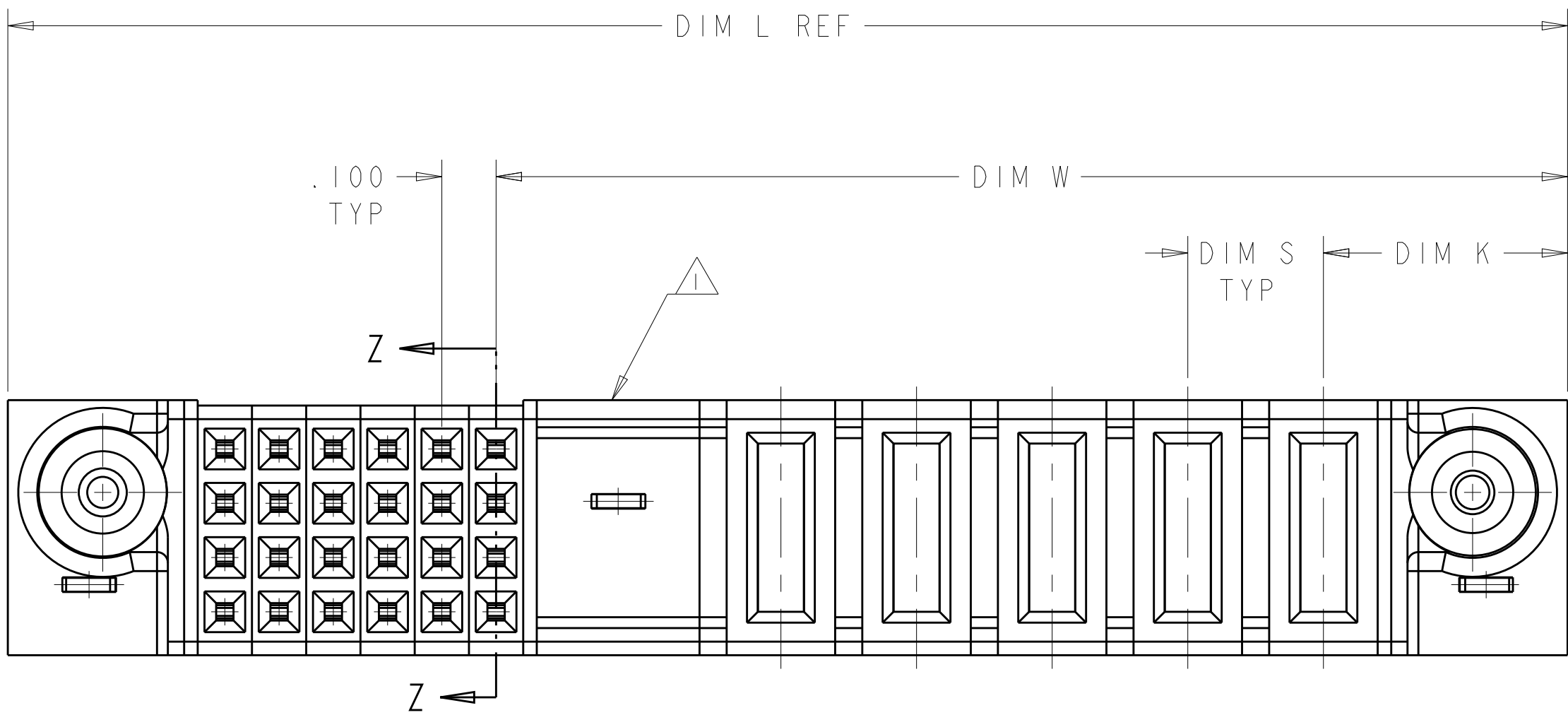
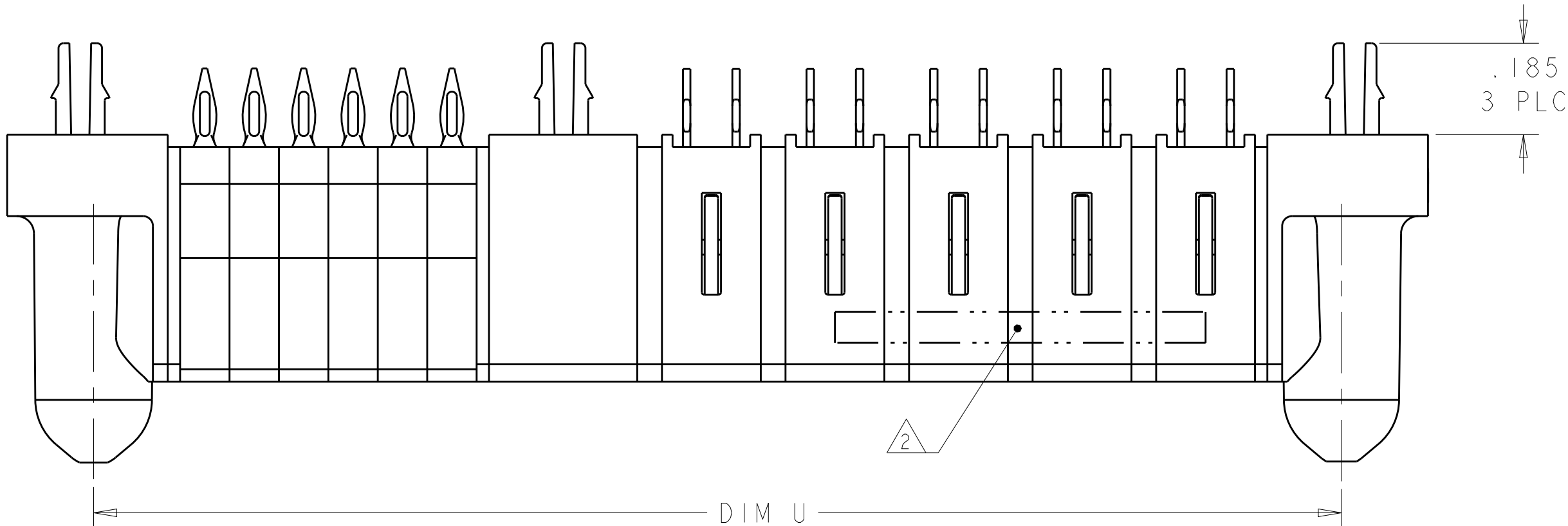
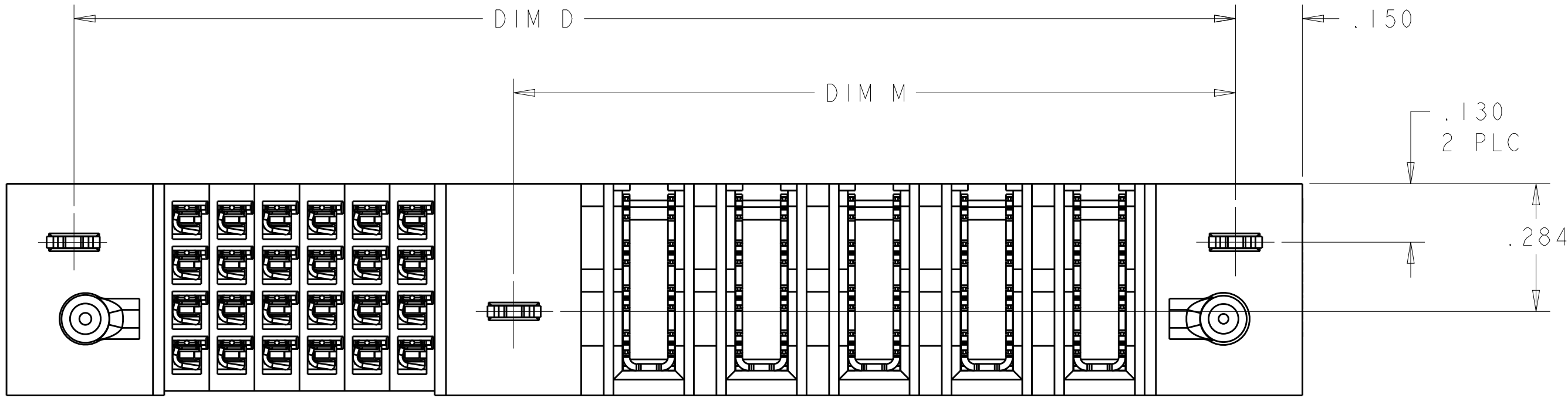
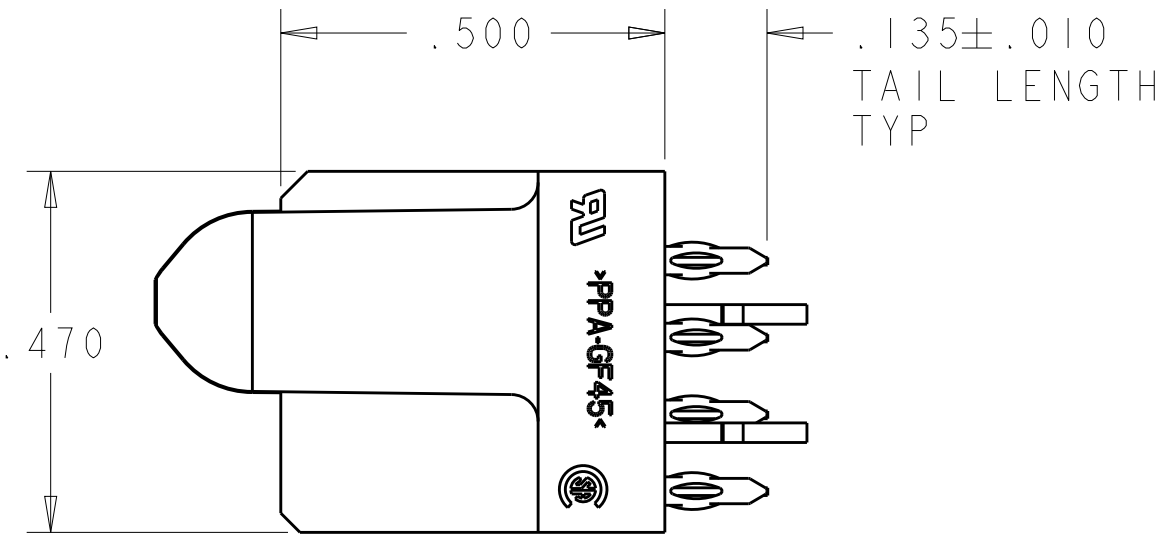
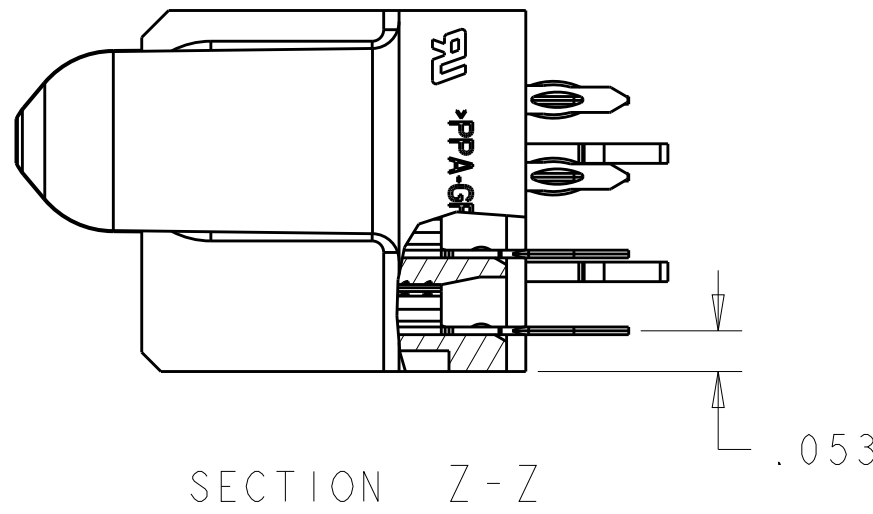


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		G7	REV PER ECR-09-008079	08APR2009	OL	SY
			H	REV PER ECR-12-003783	28FEB2012	CZ	SZ
			H2	ADD NEW PART -29	28JAN2015	AY	SZ

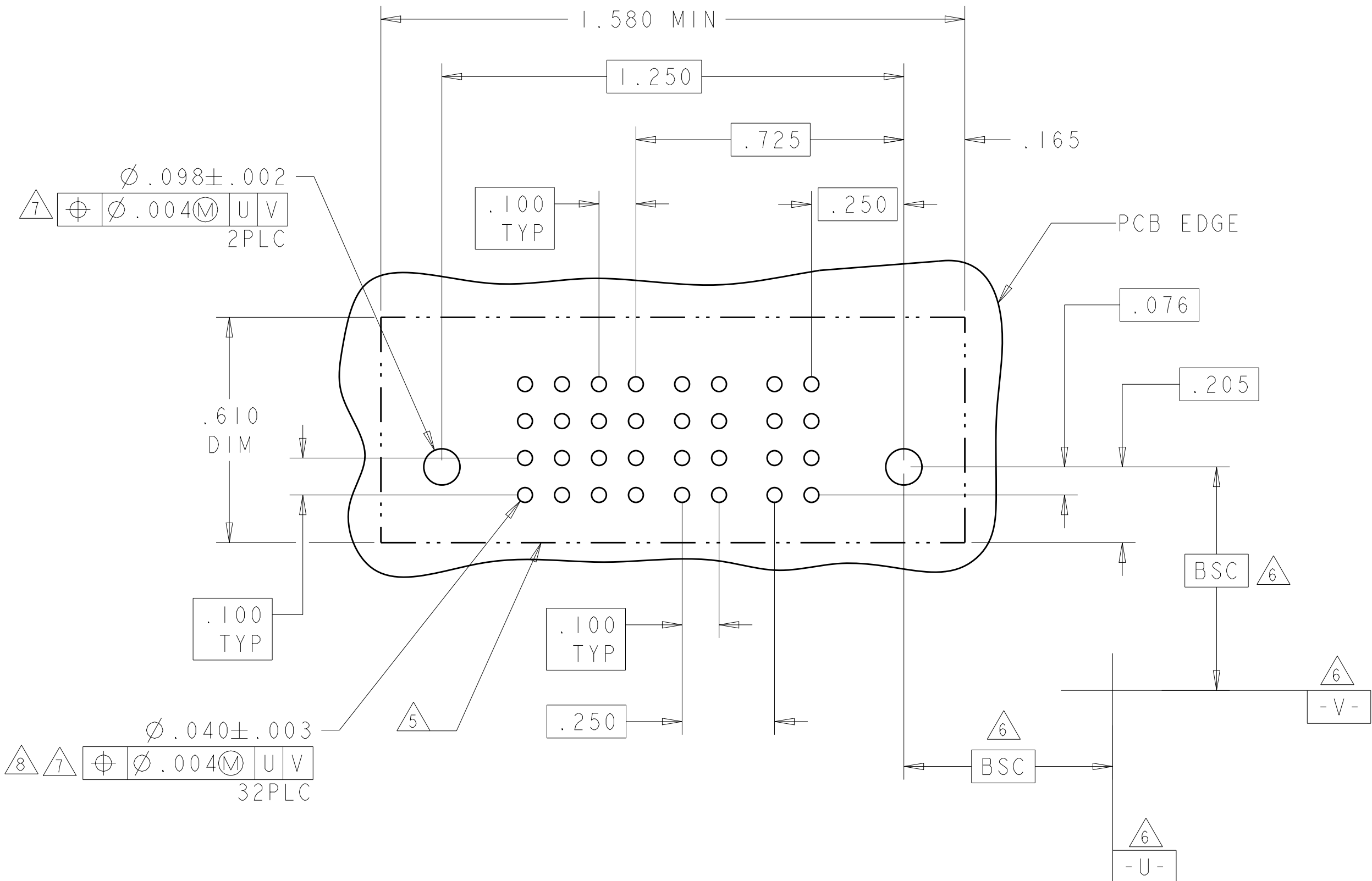


- 1 OPTIONAL CENTER MODULE, WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE
- 2 "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN
PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES
- 3 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
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.

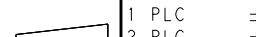


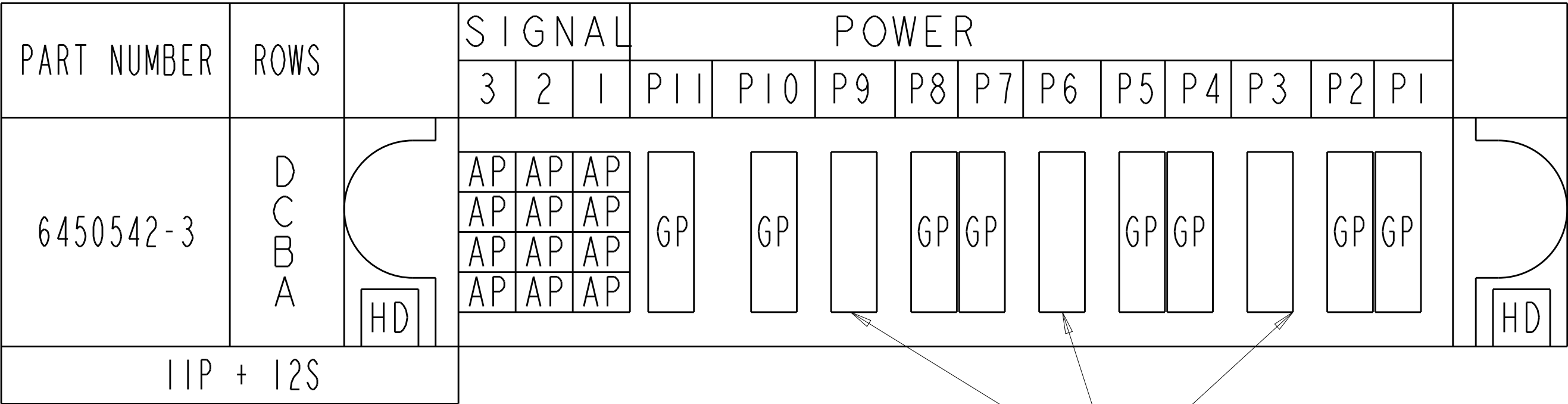
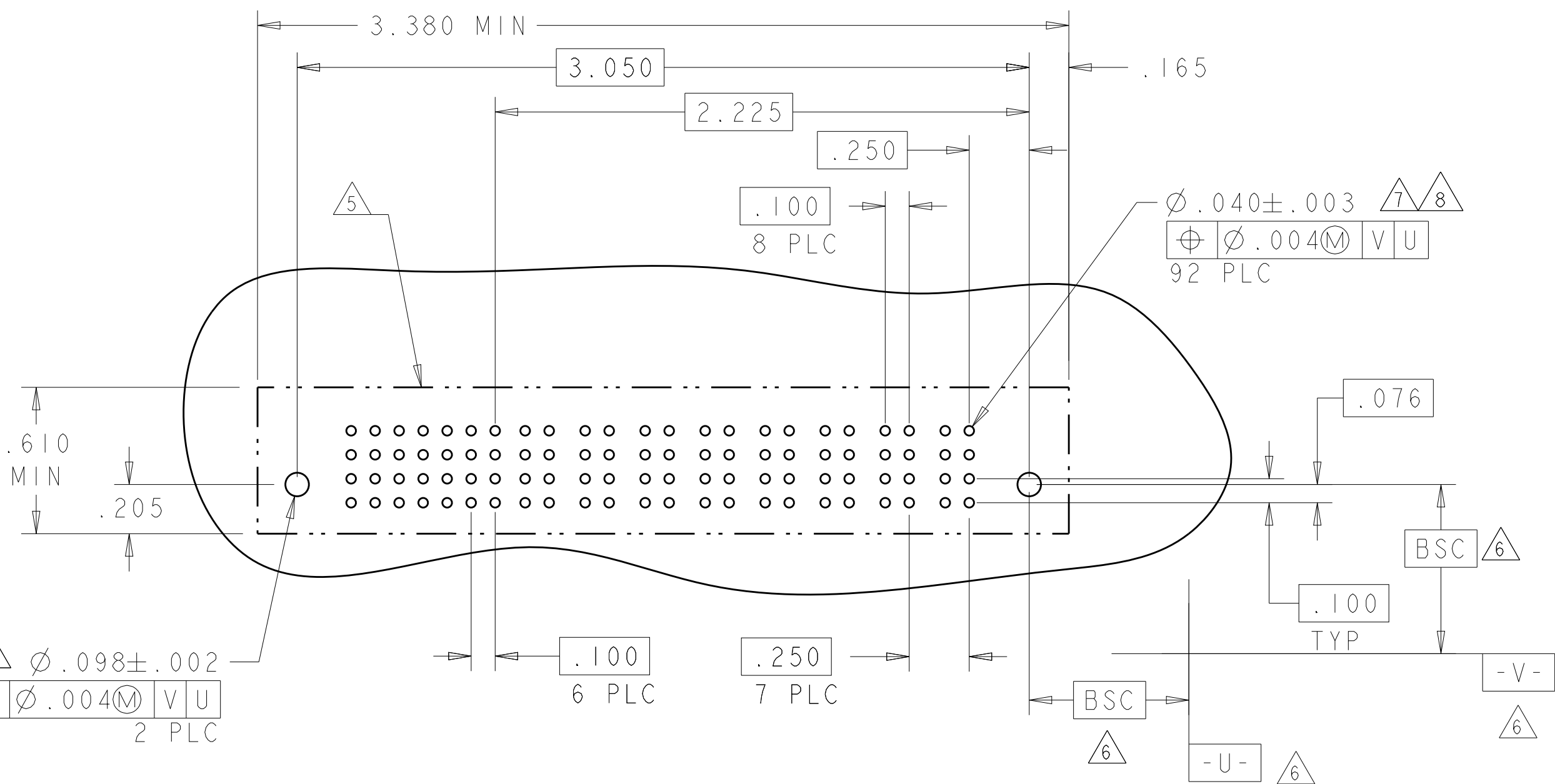
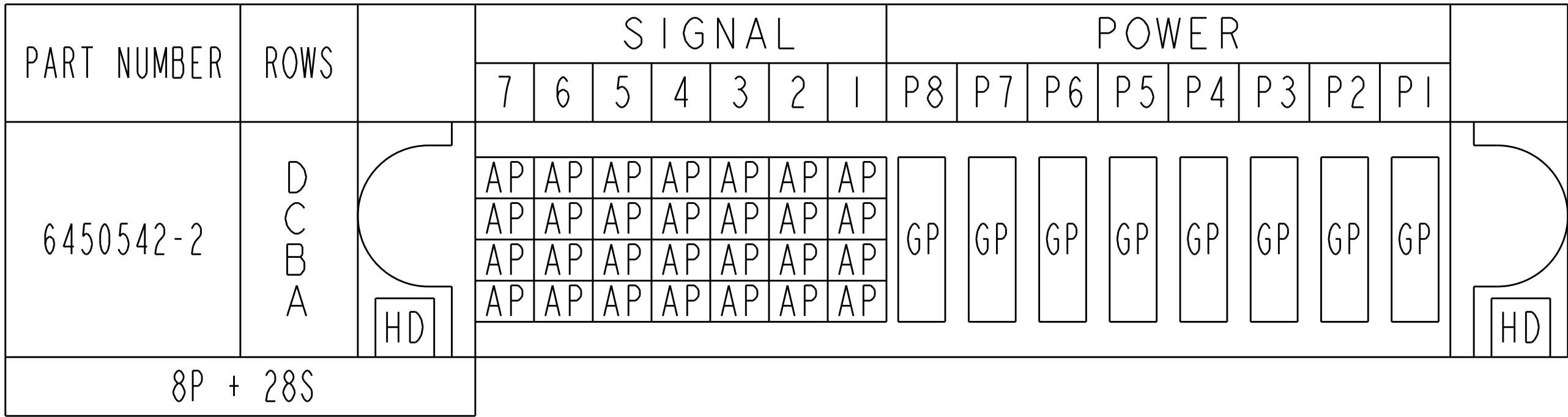
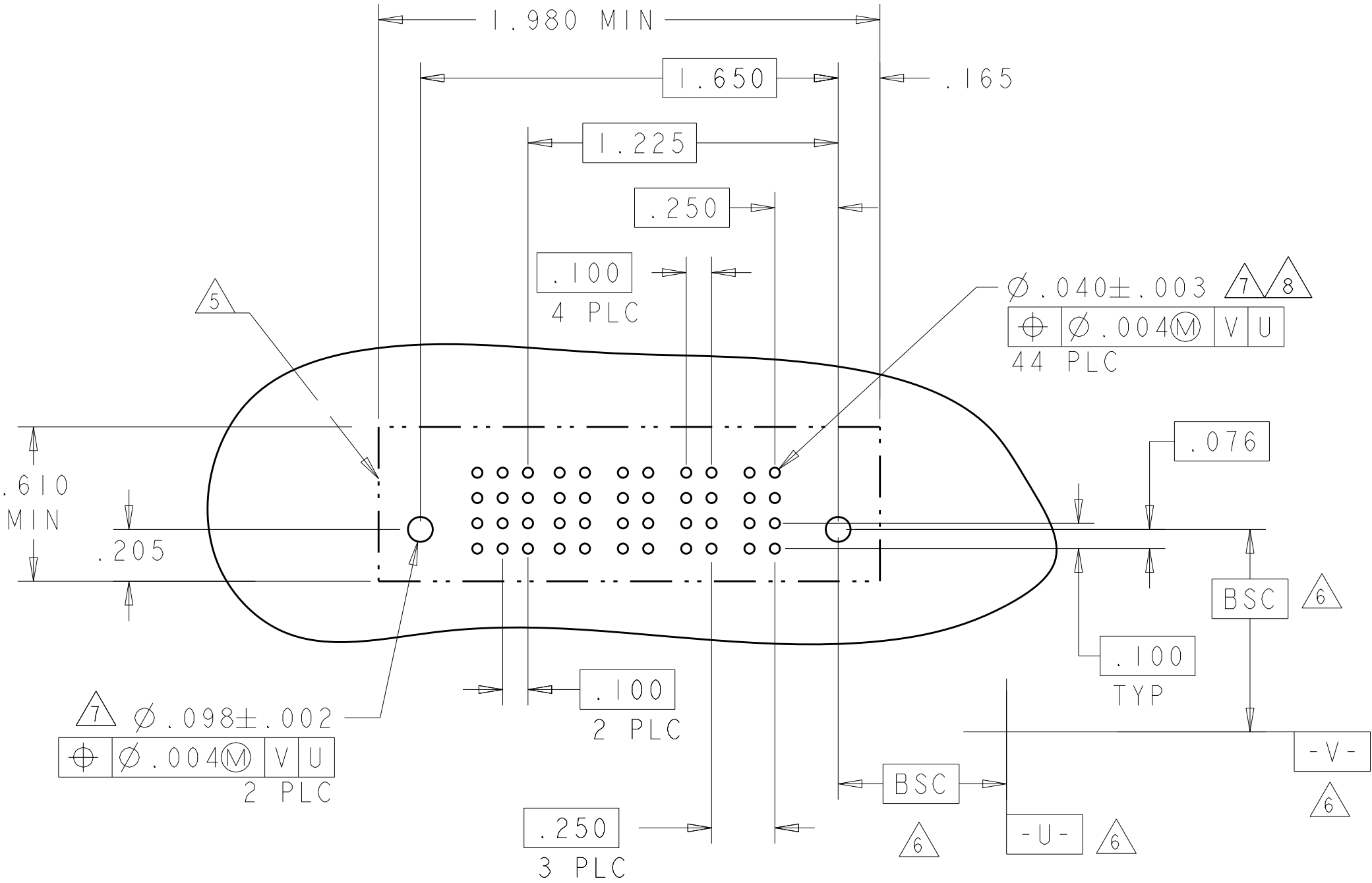
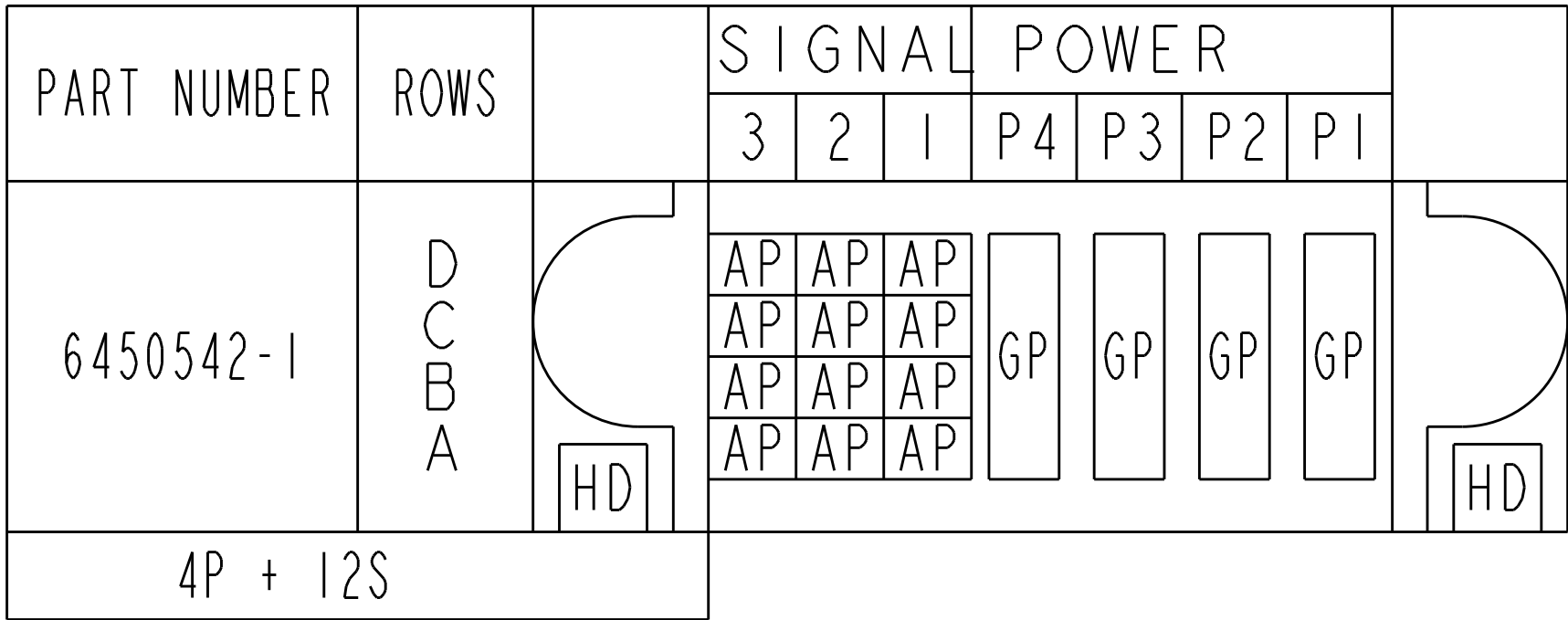
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 28FEB95	TE Connectivity	
		CHK M.PERCHERKE 28FEB05		
DIMENSIONS: INCHES		APVD M.PERCHERKE	NAME	
		PRODUCT SPEC	VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		108-1973		
		APPLICATION SPEC		
		114-13038		
MATERIAL		WEIGHT		
		CUSTOMER DRAWING		
		SCALE 4:1	SHEET 1 OF 10	
				REV H2

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

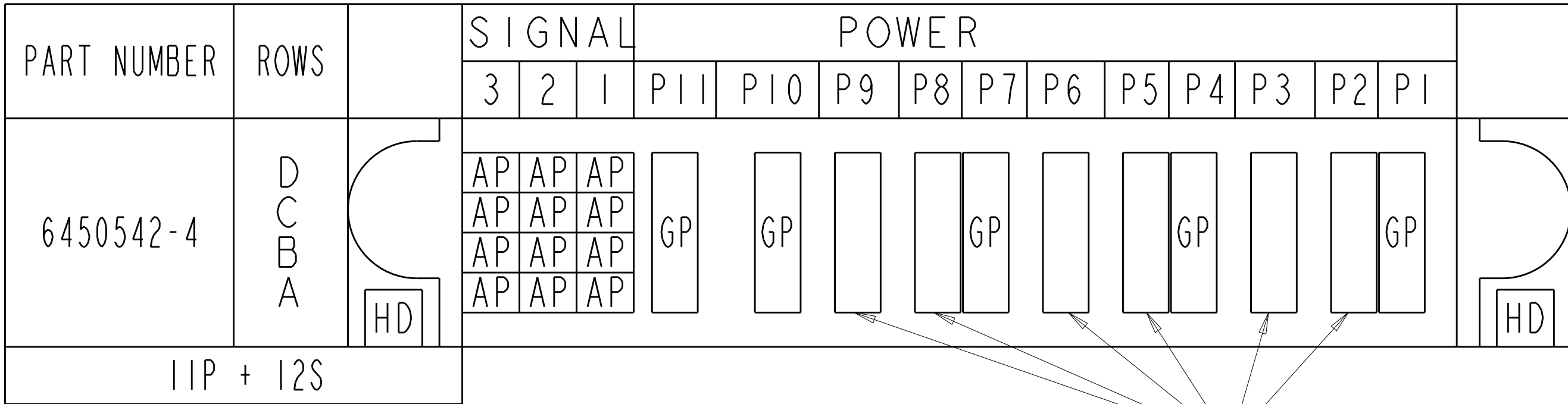
RECOMMENDED PCB LAYOUT
6450542-23

H2	1.500	.250	1.375	1.550	-	1.850	.450	4P + 8S	2-6450542-9
	4.425	.200	2.200	4.475	-	4.775	.450	9P + 92S	2-6450542-7
	3.350	.200	2.825	3.400	-	3.700	.450	12HDP + 24S	2-6450542-5
	2.825	△9	2.300	2.875	-	3.175	.475	3ACP + 4P + 24S	2-6450542-4
	1.200	.250	.875	1.250	-	1.550	.450	2P + 16S	2-6450542-3
	3.200	.250	2.875	3.250	-	3.550	.450	10P + 16S	2-6450542-2
	2.300	.250	1.875	2.350	-	2.650	.450	6P + 20S	2-6450542-0
	1.800	△9	1.275	1.850	-	2.150	.450	4P + 24S	1-6450542-9
	2.900	.250	2.375	2.950	-	3.250	.450	8P + 24S	1-6450542-8
	2.100	.250	1.375	2.150	-	2.450	.450	4P + 32S	1-6450542-7
H	2.100	.250	1.875	2.150	-	2.450	.450	6P + 12S	1-6450542-6
	2.900	.200	2.425	3.000	-	3.300	.450	10HDP + 24S	1-6450542-5
	2.000	.250	.875	-	-	2.350	.450	2P + 48S	1-6450542-4
	5.900	.250	5.375	5.950	-	6.250	.450	20P + 24S	1-6450542-2
	1.400	.250	.875	1.450	-	1.750	.450	2P + 24S	1-6450542-1
	1.100	-	.575	1.150	-	1.450	.425	1P + 24S	1-6450542-0
	4.425	.250	3.875	4.475	-	4.775	.450	14P + 24S	6450542-9
	3.050	.250	2.125	3.100	-	3.400	.450	7P + 40S	6450542-8
	3.800	-	3.550	3.850	-	4.150	.475	11P + 12S	6450542-4
	3.800	-	3.550	3.850	-	4.150	.475	11P + 12S	6450542-3
	3.000	.250	2.375	3.050	-	3.350	.450	8P + 28S	6450542-2
	1.600	.250	1.375	1.650	-	1.950	.450	4P + 12S	6450542-1
	DIM U	DIM S	DIM W	DIM D	DIM M	DIM L	DIM K	DESCRIPTION	PART NUMBER

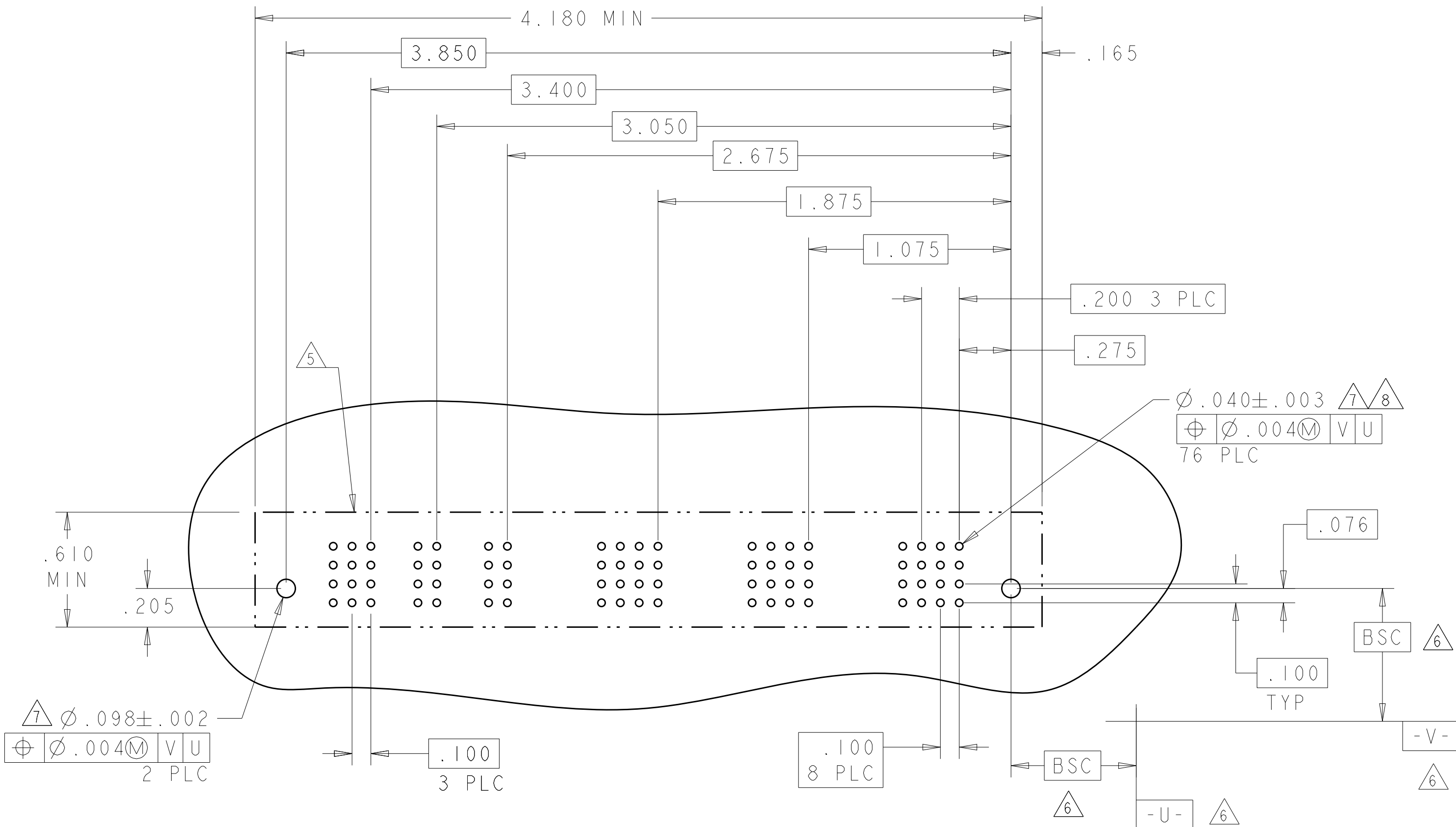
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 28FEB95		TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		CHW M. PERCHERKE 28FEB05		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		APVD M. PERCHERKE		PRODUCT SPEC	
		108-1973		APPLICATION SPEC	
		114-13038		SIZE CAGE CODE DRAWING NO	
MATERIAL		FINISH		RESTRICTED TO	
-		-		A 100779 © 6450542	
-		-		SCALE 4:1 SHEET 2 OF 10 REV H2	
-		-		CUSTOMER DRAWING	



NO CONTACTS LOADED



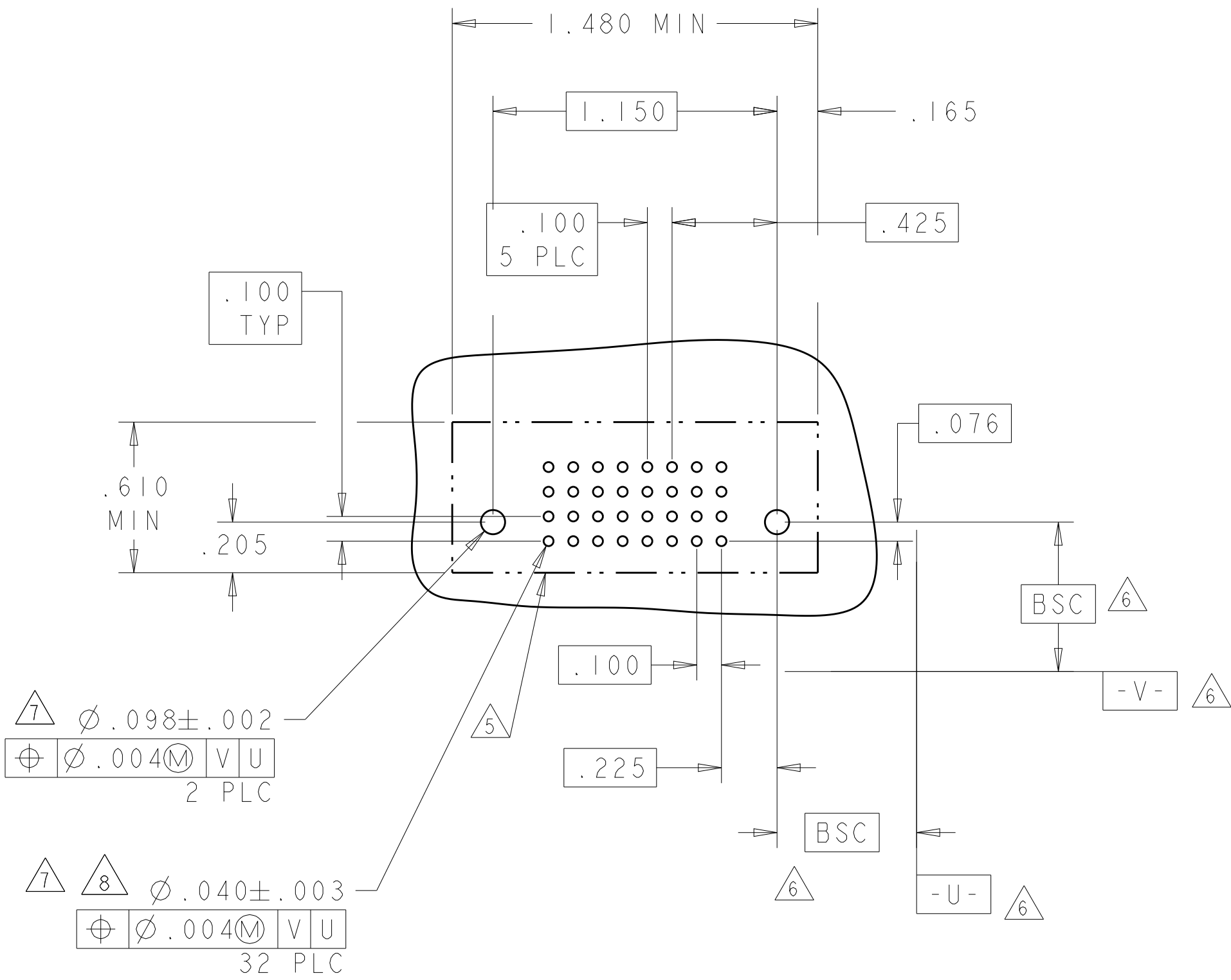
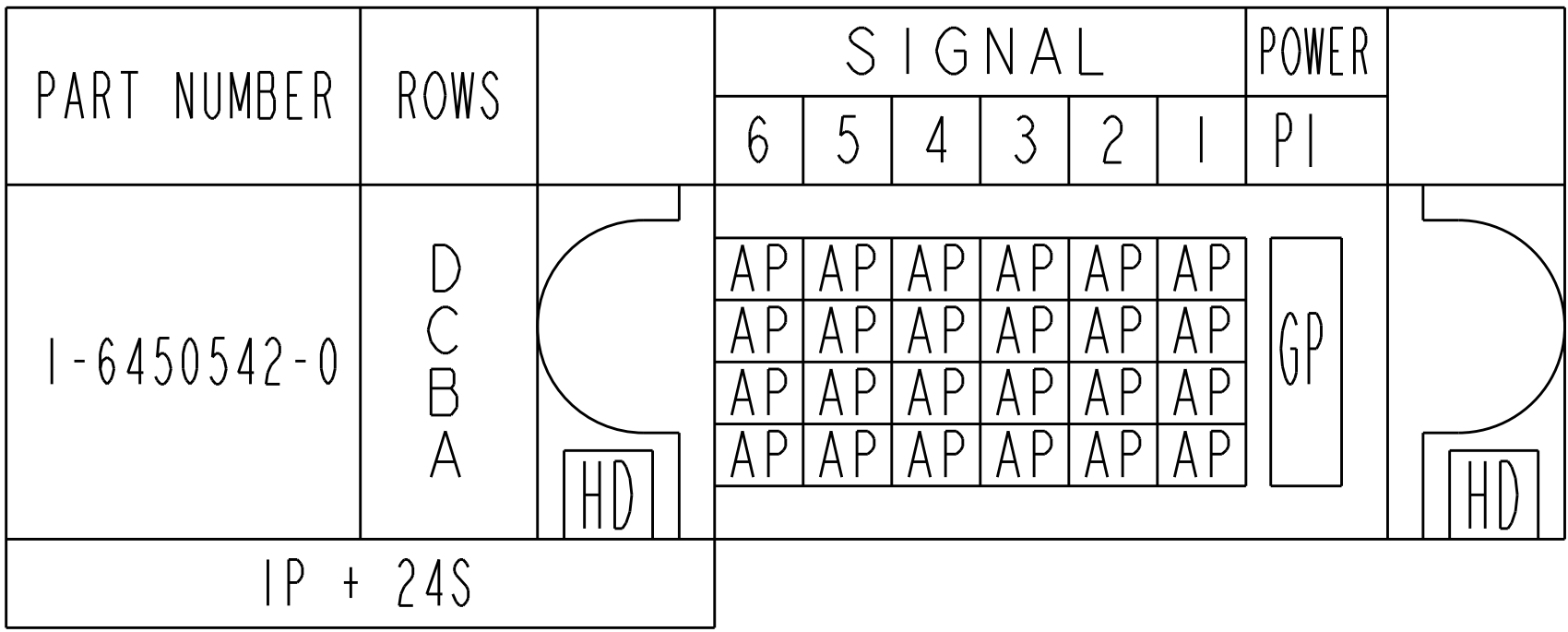
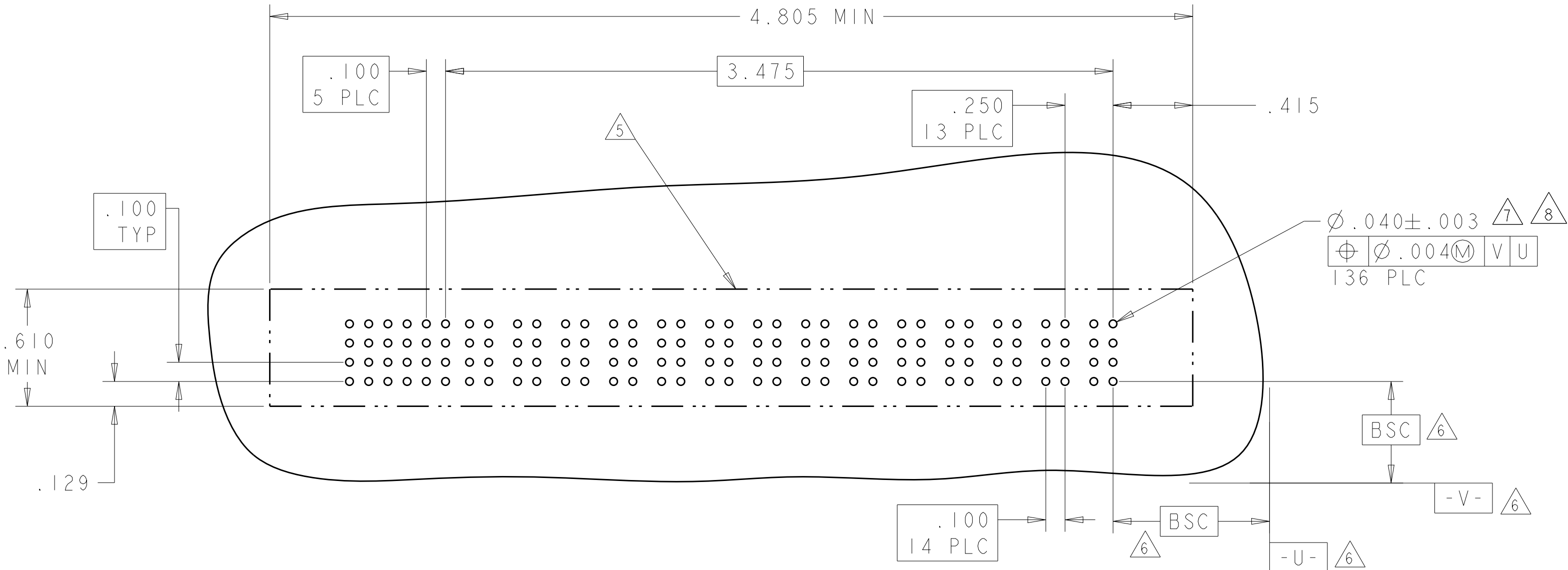
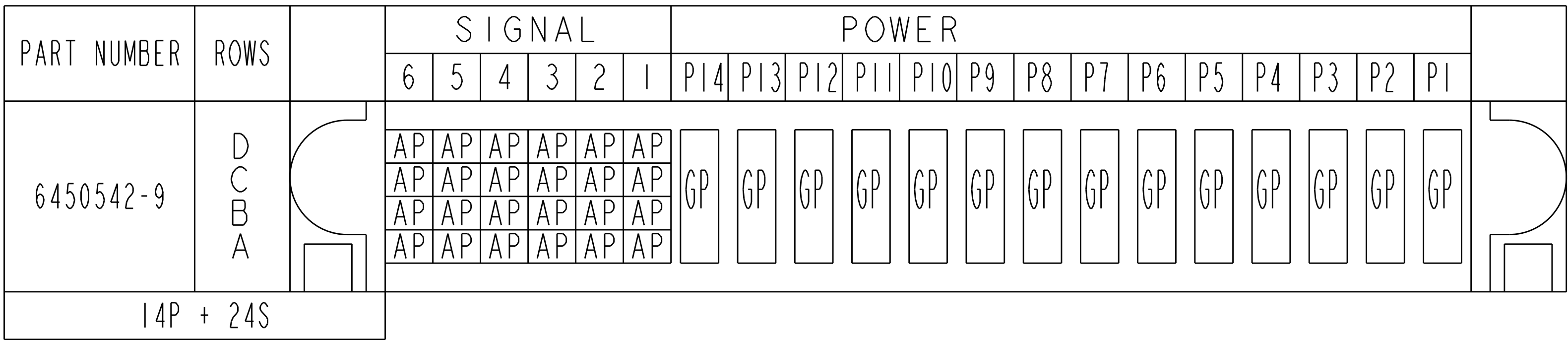
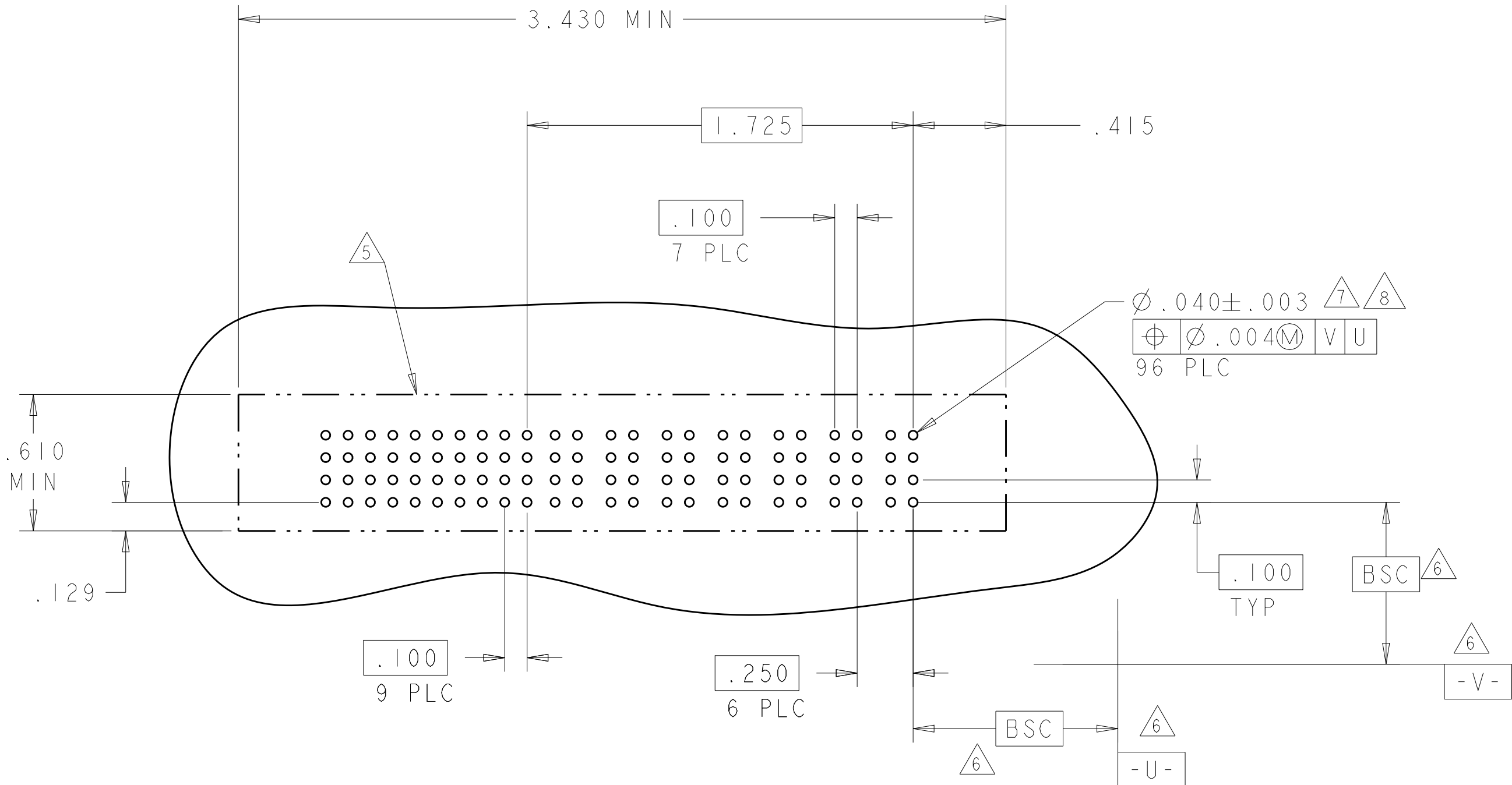
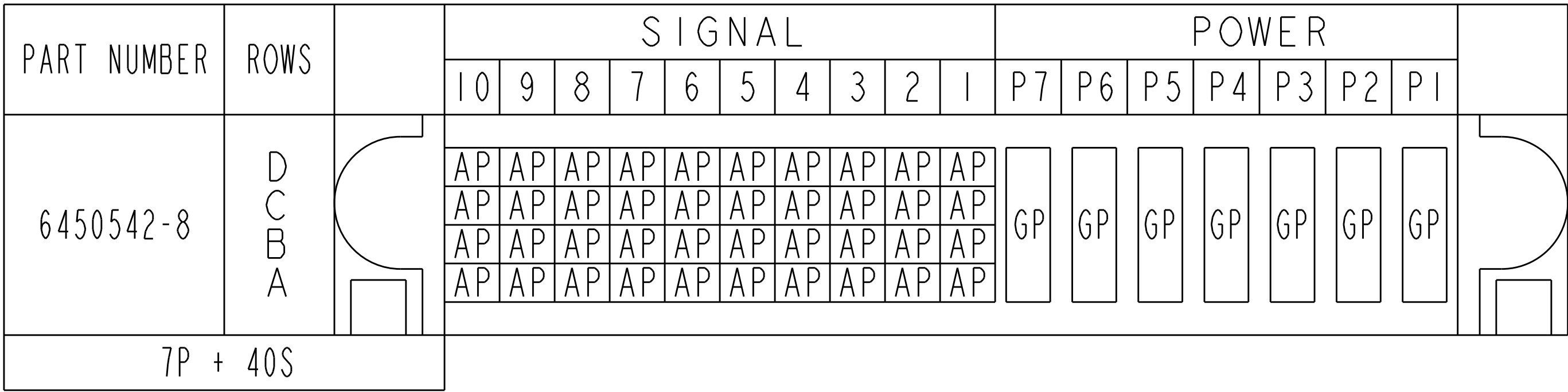
NO CONTACTS LOADED



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

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. GRZYBOWSKI	28FEB95	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE	28FEB05	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	-	PRODUCT SPEC	
0 PLC ±.01		APPLICATION SPEC		SIZE	
1 PLC ±.01		108-1973		CAGE CODE	
2 PLC ±.005		114-13038		DRAWING NO	
3 PLC ±.002		WEIGHT		RESTRICTED TO	
4 PLC ±.002		CUSTOMER DRAWING		A100779	
ANGLES FINISH		SCALE		1:1	
MATERIAL		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.

DIMENSIONS:
INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±"

1 PLC ±.01

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±2°

FINISH

-

OWN R.GRZYBOWSKI 28FEB95

CHK M.PERCHEKKE 28FEB05

APVD M.PERCHEKKE

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

SHEET

4

OF

10

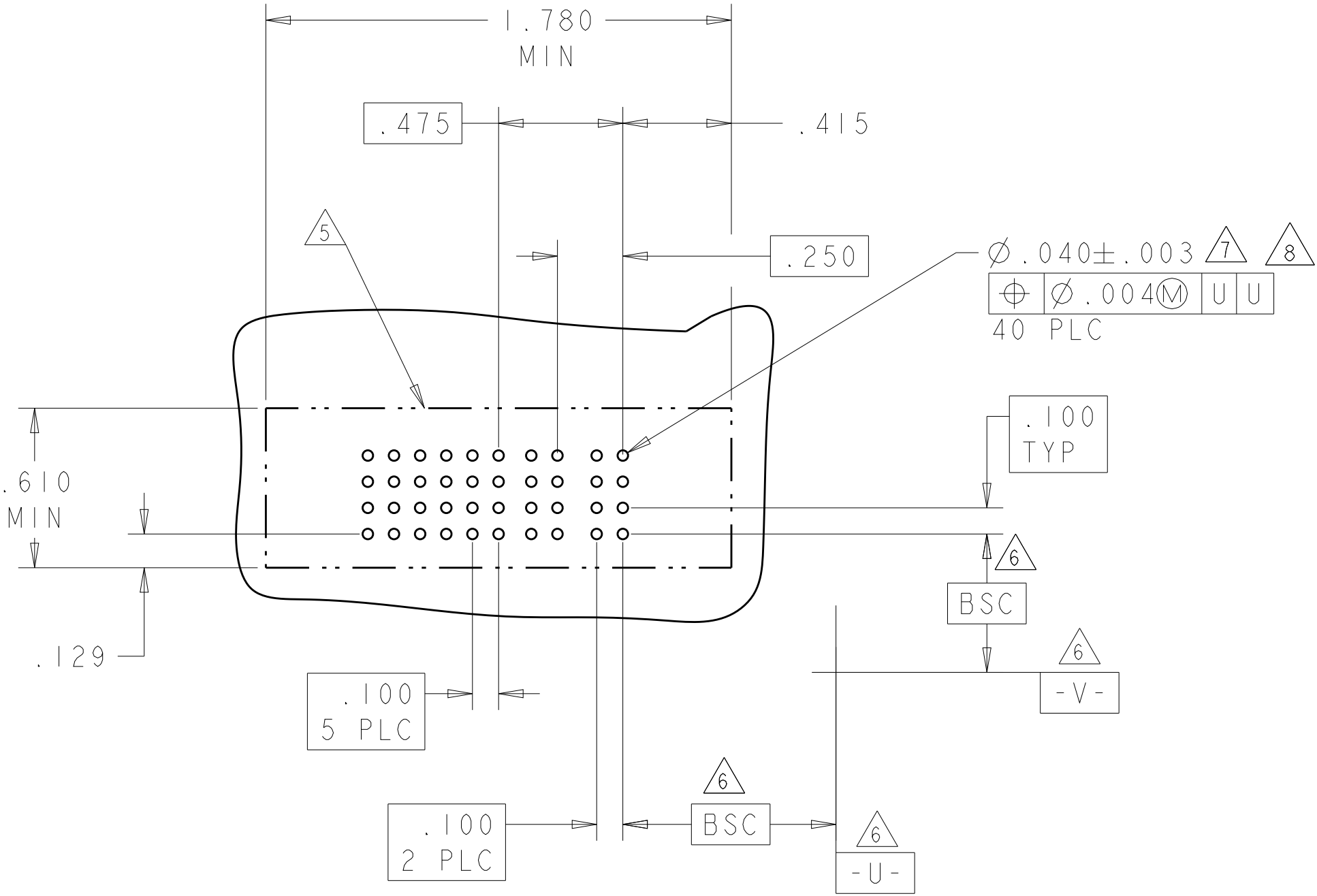
REV

H2

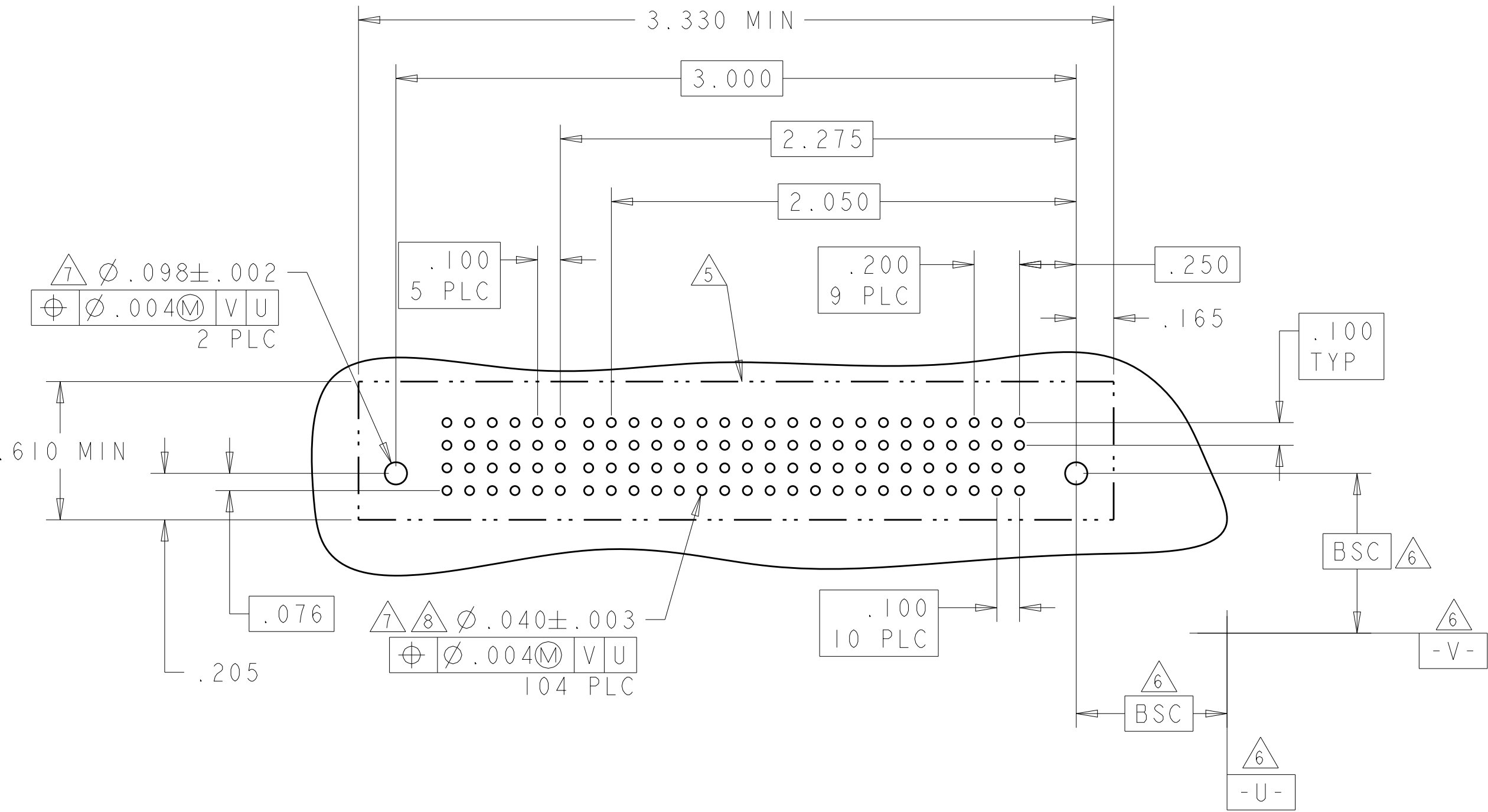
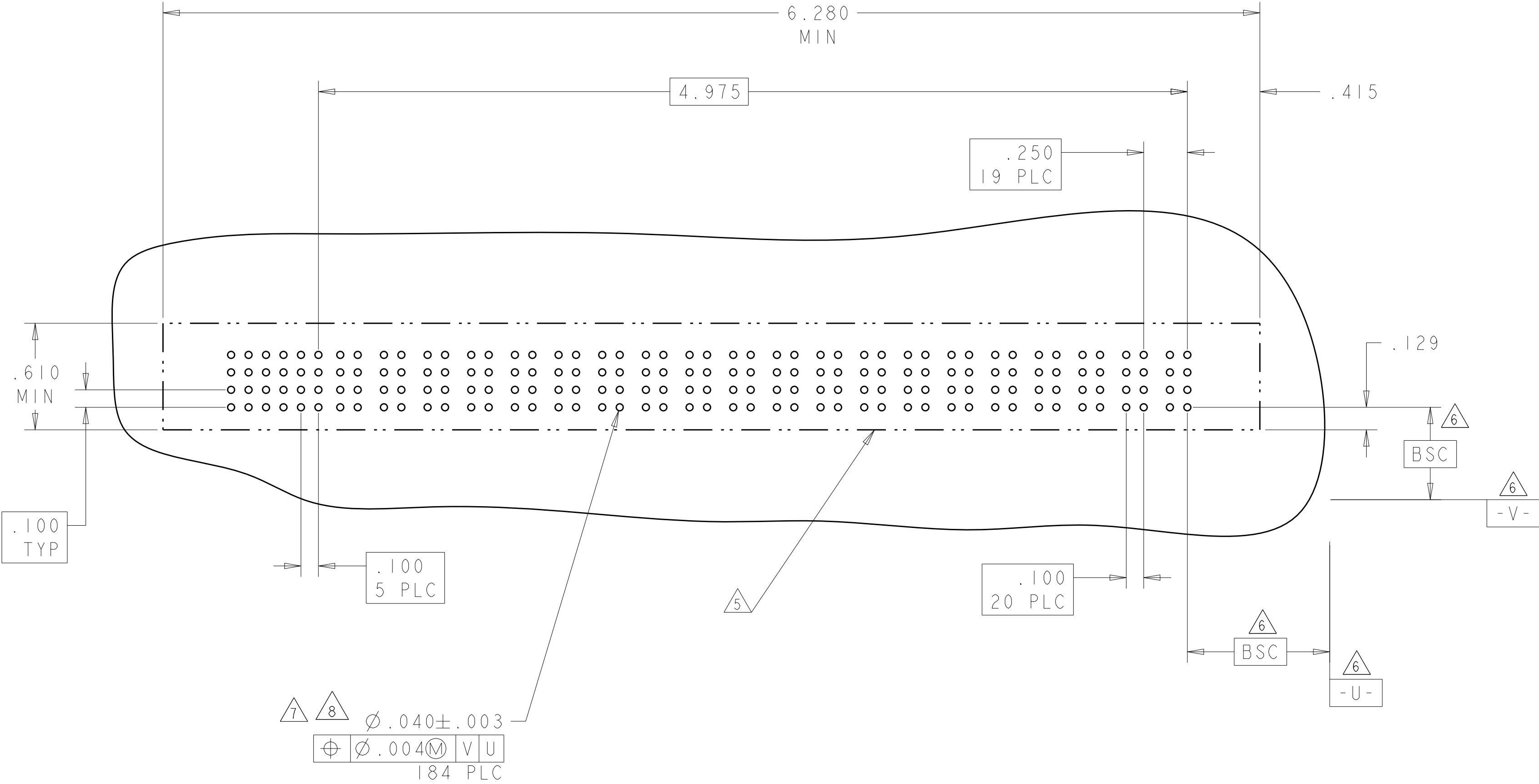
TE Connectivity

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	
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 C B A		AP	AP	AP	AP	AP	AP	AP																																																																																																																																																																																																																																																																																																																																					

THIS DRAWING IS A CONTROLLED DOCUMENT.

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

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

WEIGHT

CUSTOMER DRAWING

NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE: A100779
CAGE CODE: 6450542
DRAWING NO: 108-1973
APPLICATION SPEC: 114-13038

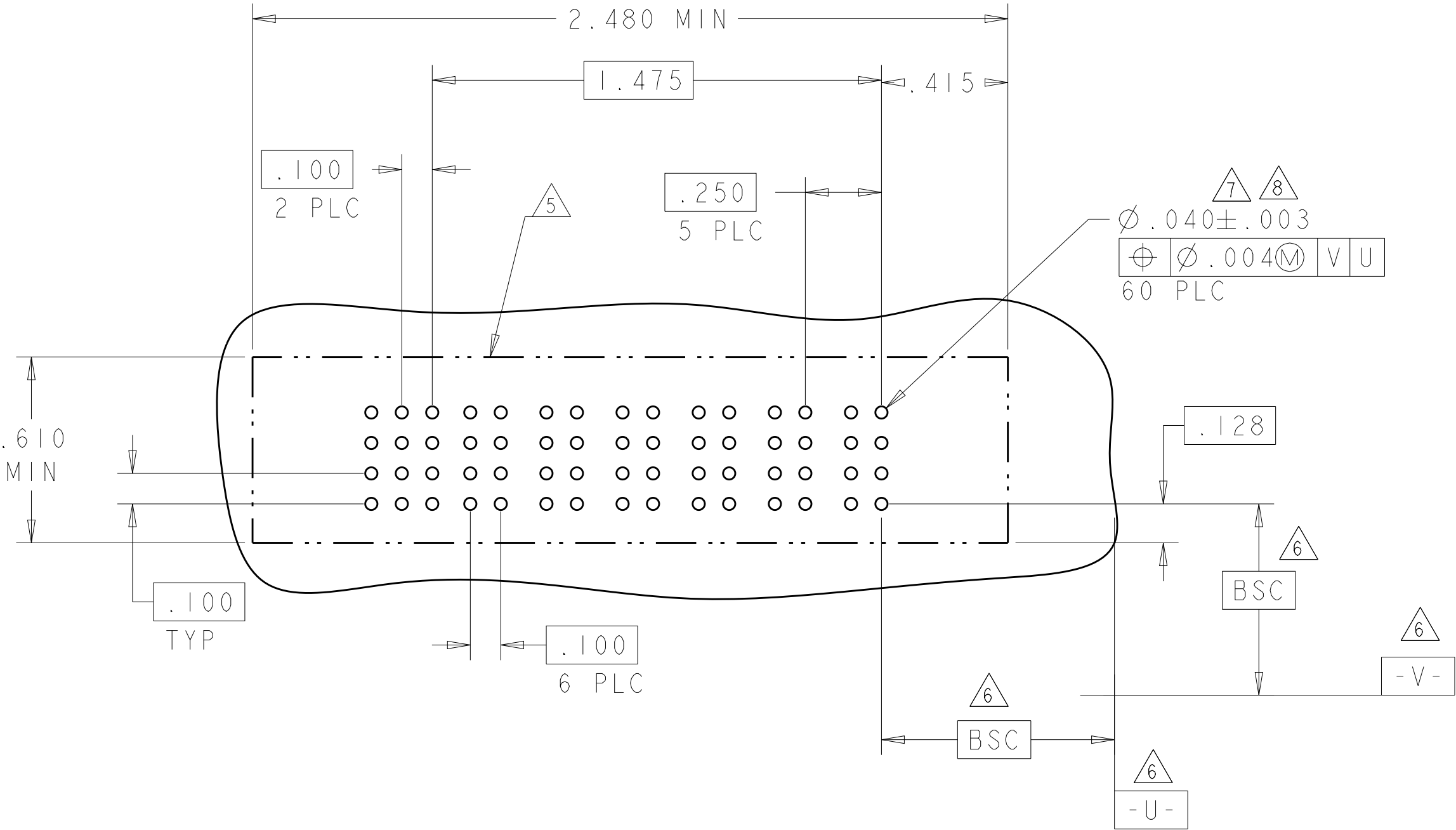
RESTRICTED TO: -

SCALE: 4:1
SHEET: 5 OF 10
REV: H2

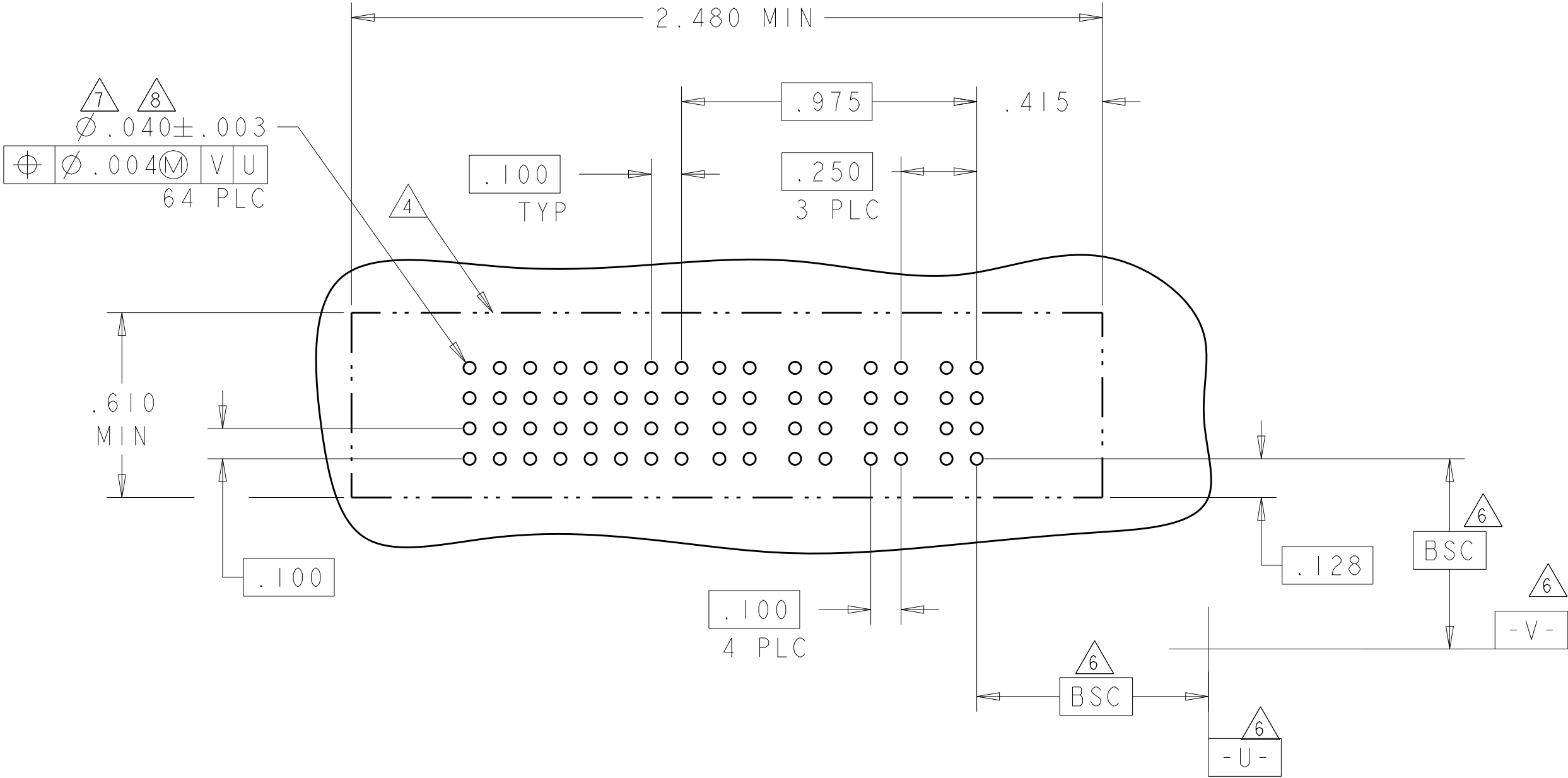
TE Connectivity

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

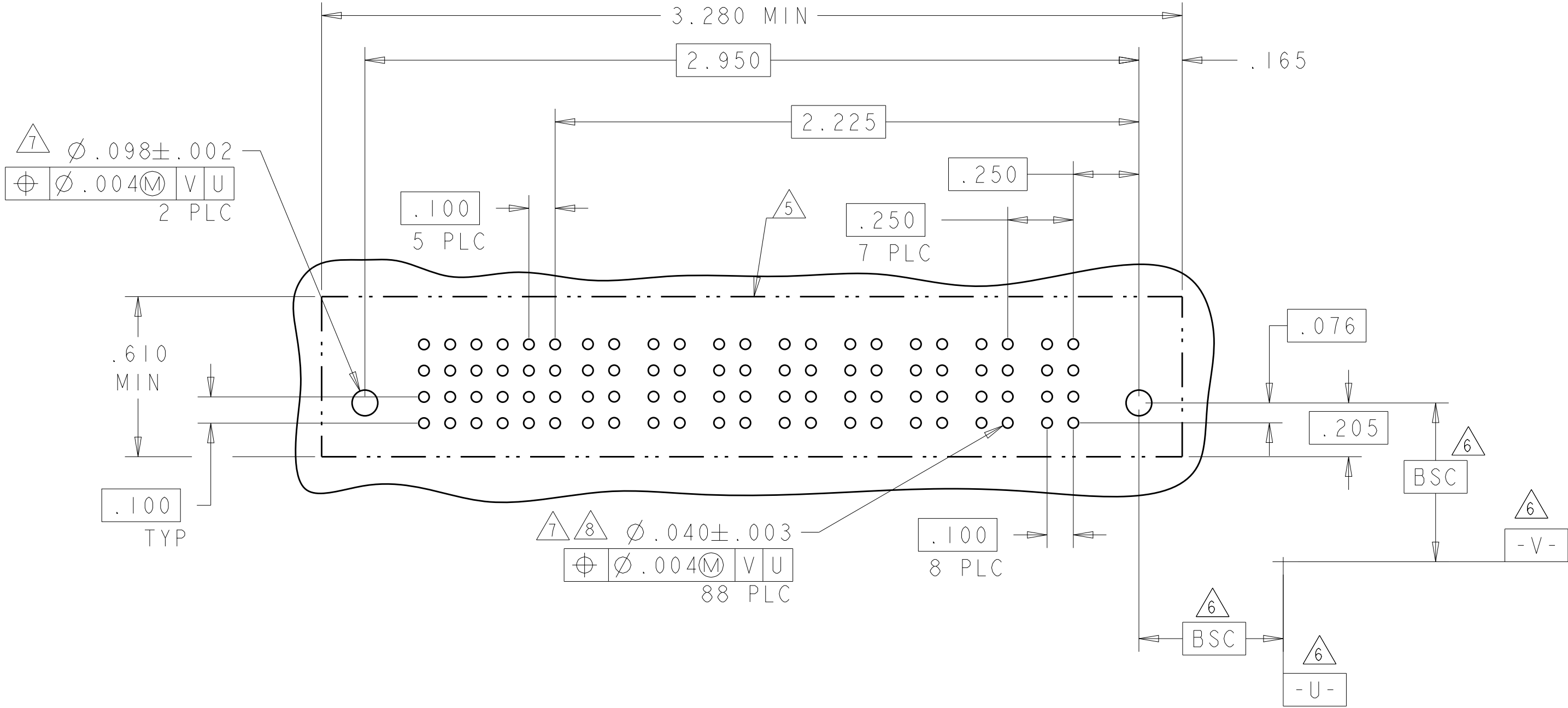
ASSY PART NUMBER	ROWS		SIGNAL			POWER						
			3	2	1	P6	P5	P4	P3	P2	P1	
I - 6450542-6	D C B A		AP	AP	AP	GS	GS	GS	GS	GS	GS	
			AP	AP	AP							
			AP	AP	AP							
			AP	AP	AP							
6P + 12S												



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
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
CUSTOMER DRAWING

NAME
VERTICAL RECEPTACLE ASSEMBLY
WITH GUIDES
MULTI-BEAM XL

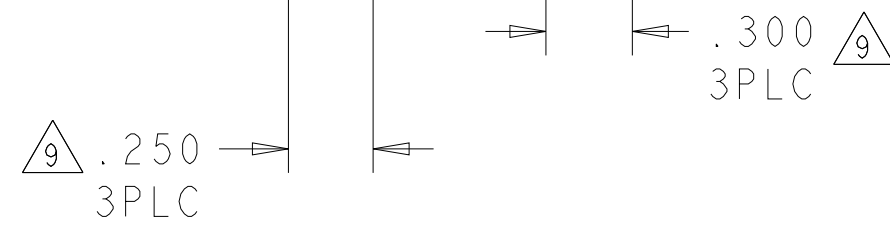
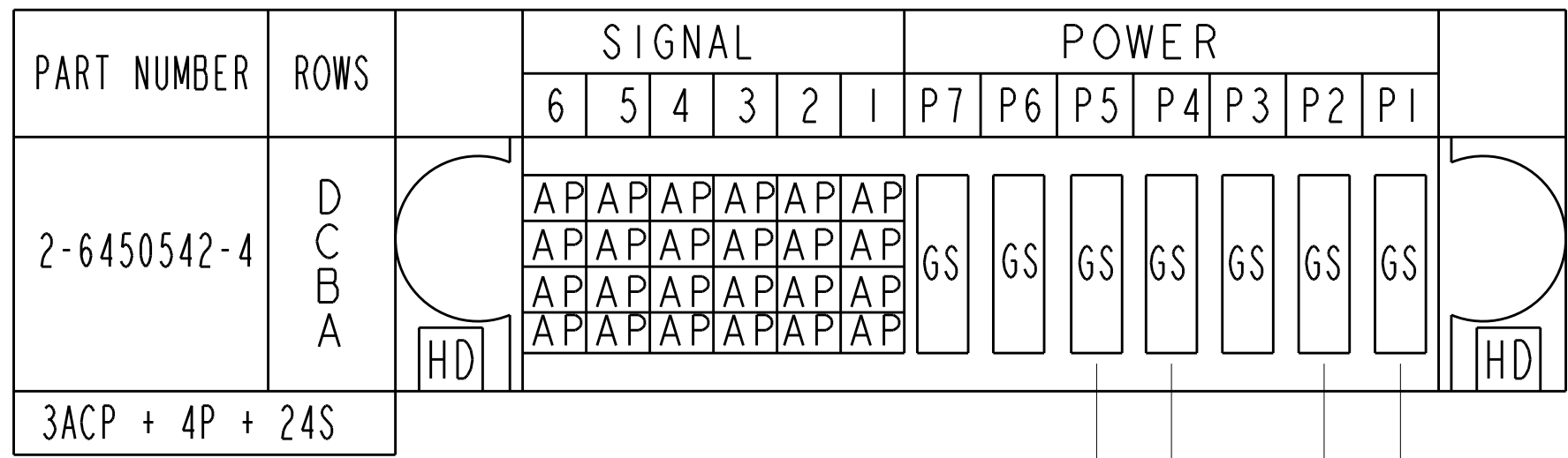
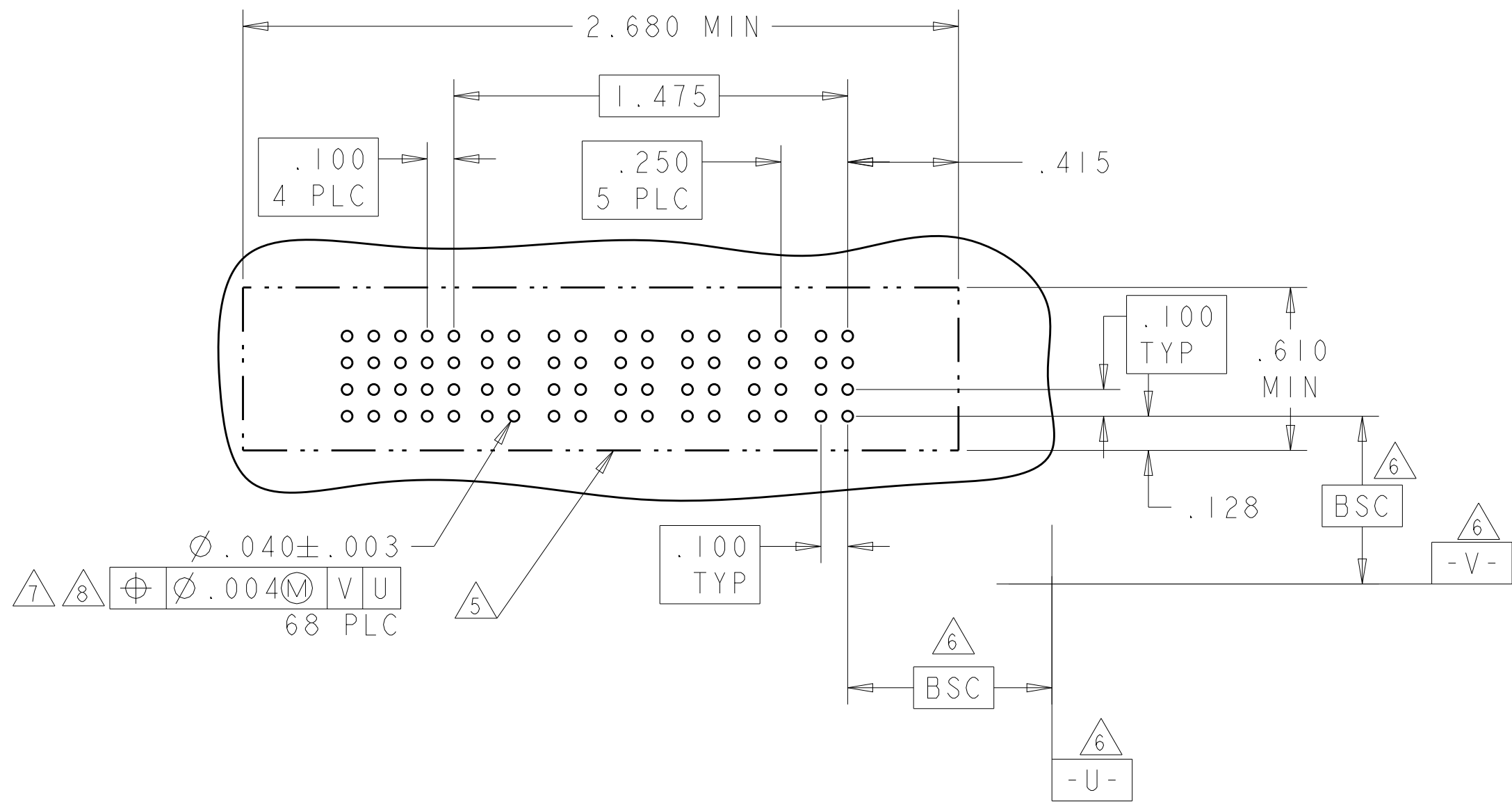
SIZE
A100779

CAGE CODE
C=6450542

DRAWING NO
REV
H2

TE Connectivity

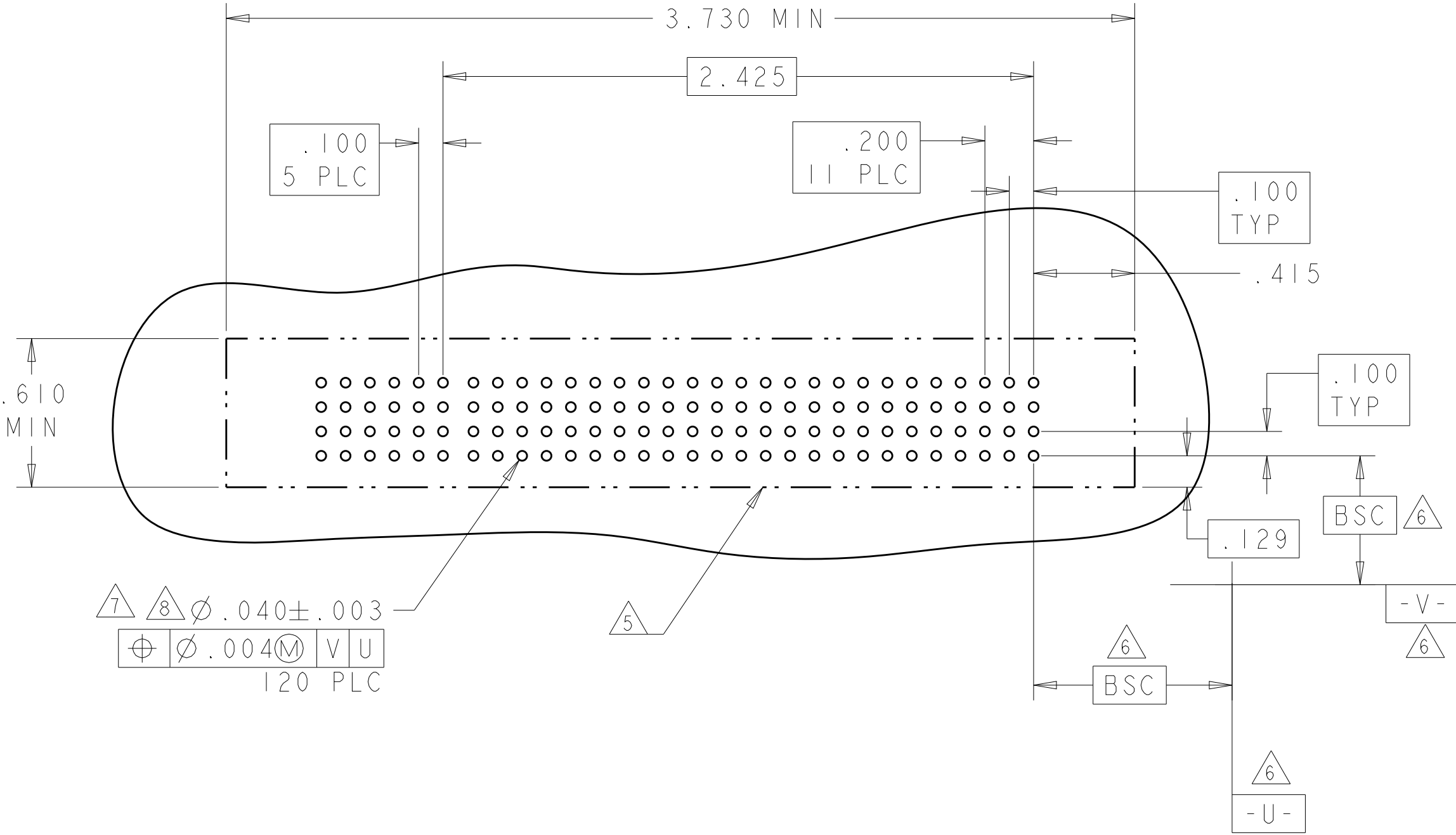
SCALE 4:1 SHEET 6 OF 10

[illegible]

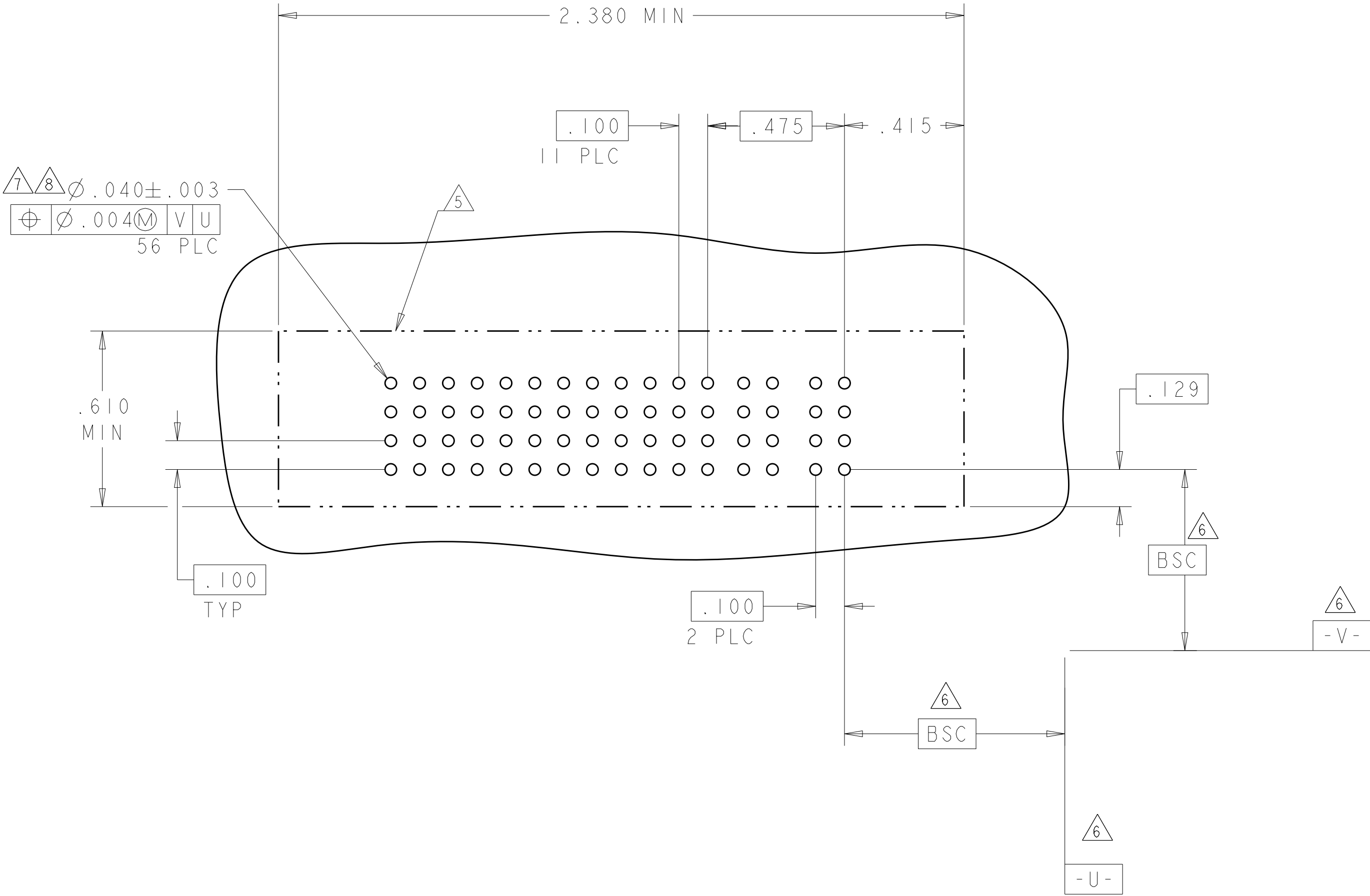
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 28FEB95		 TE Connectivity	
		CHG M. PERCHERKE 28FEB05			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
INCHES					
		O PLC ±.01		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	
		P PLC ±.01			
		2 PLC ±.01			
		3 PLC ±.005			
		4 PLC ±.0020			
ANGLES ±.02				SIZE CAGE CODE DRAWING NO RESTRICTED TO A100779G6450542 -	
MATERIAL		FINISH			
				WEIGHT	
				CUSTOMER DRAWING	
				SCALE 4:1 SHEET 7 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	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
A1

CAGE CODE
100779

DRAWING NO
C=6450542

RESTRICTED TO
-

CUSTOMER DRAWING

SCALE
4:1

SHEET
8

OF
10

REV
H2

TE Connectivity

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 of hole pattern: .400
- Distance from center of hole pattern to right edge of hole pattern: .100 TYP
- Distance from center of hole pattern to right edge of hole pattern: .200 4 PLC
- Distance from center of hole pattern to right edge of hole pattern: .100 7 PLC
- Distance from center of hole pattern to right edge of hole pattern: .100 TYP

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: .200 4 PLC
- Distance from center of hole pattern to bottom edge: .100 7 PLC
- Distance from center of hole pattern to bottom edge: .100 TYP

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)

