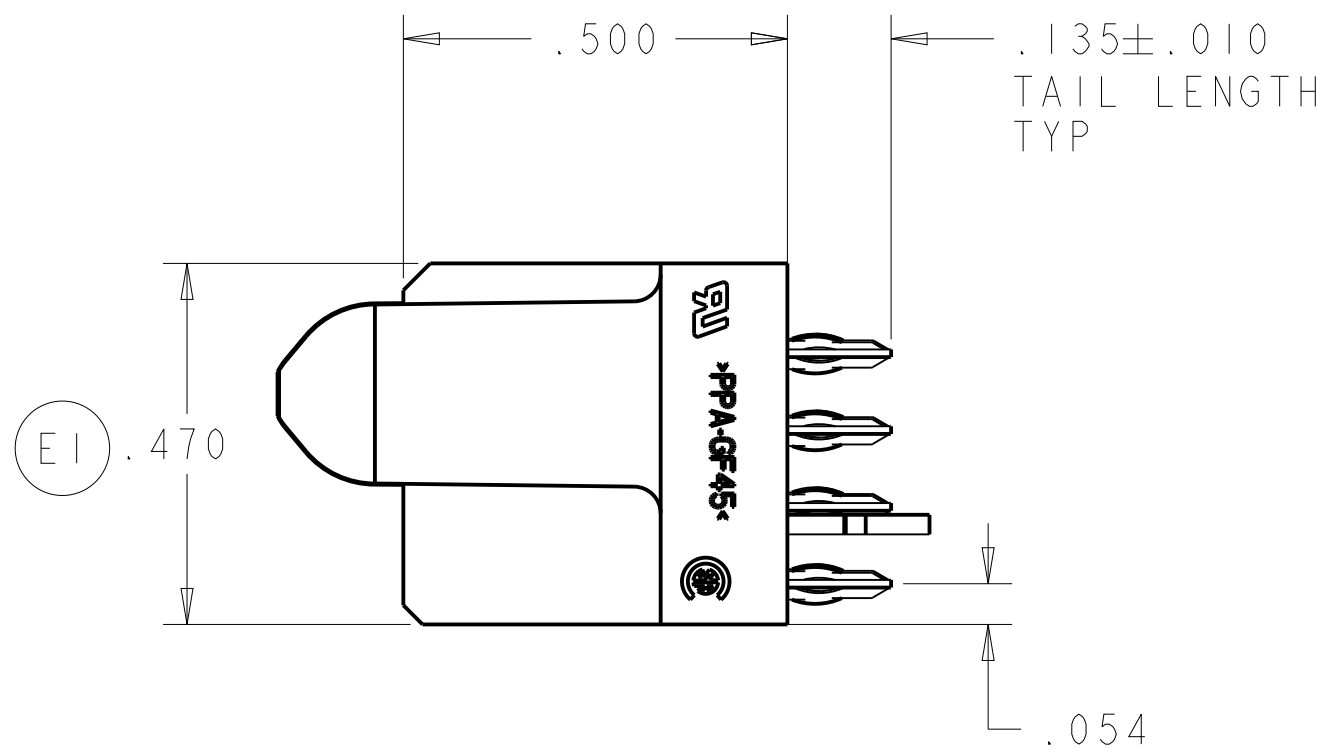
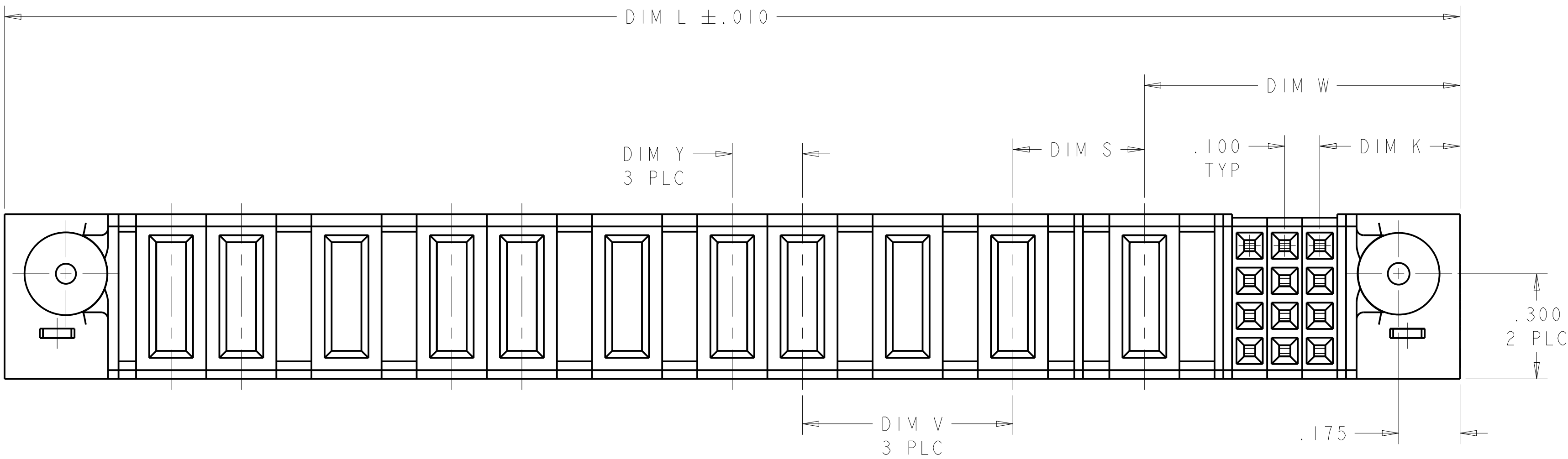
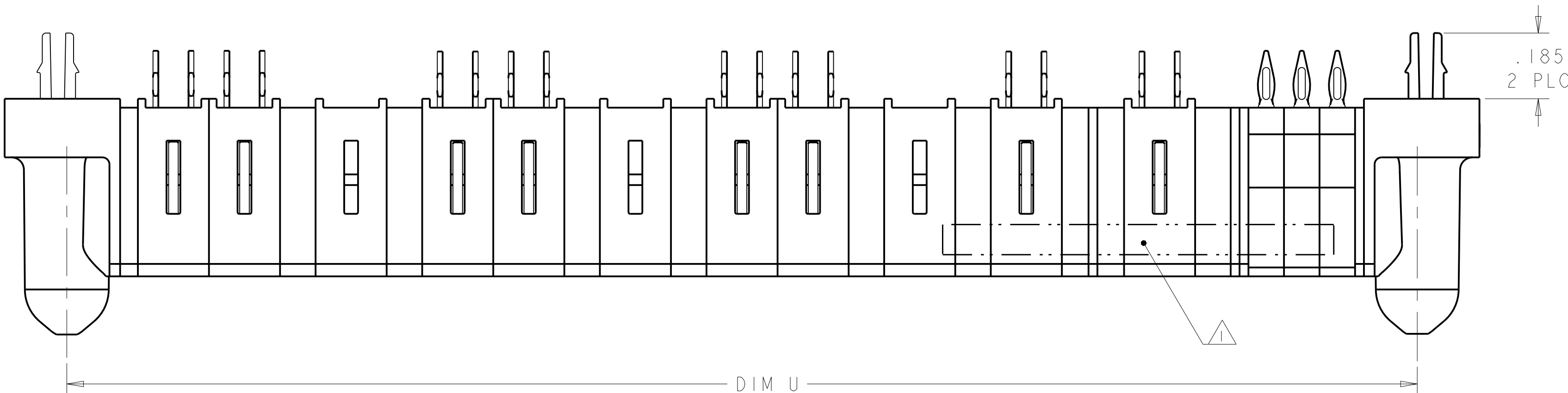
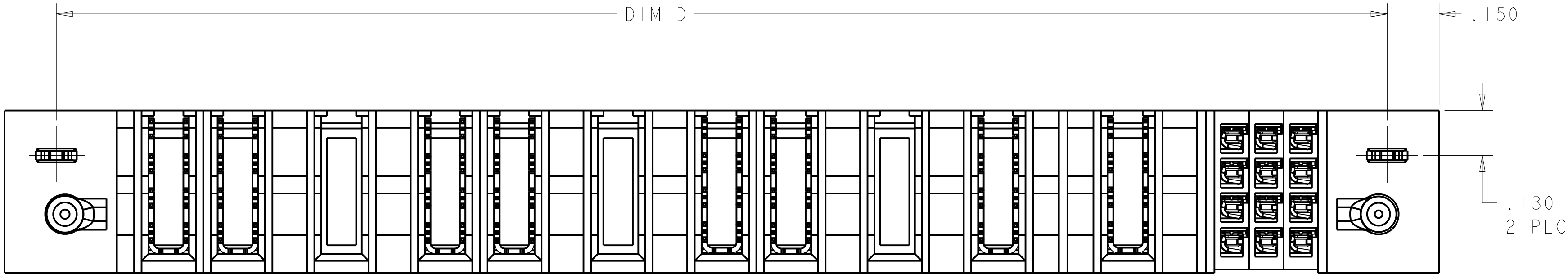


LOC		DIST		REVISIONS				
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		E2		ADDED NEW DASH NUMBER 2-5	03MAY2012	CZ	SZ	
		E3		REVISED	16FEB2013	ML	SZ	
		E4		ADD NEW DASH NUMBER 2-6	09MAY2014	CZ	SZ	



- 1 "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-O.
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 3 CONTACT PLATING: NOBLE METAL PLATED ON THE 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 FOR DETAIL DIM PLEASE REFER TO TABLE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	02MAY05	TE Connectivity	
		CHK M.PERCHEKKE	02MAY05		
DIMENSIONS:		APVD M.PERCHEKKE	02MAY05	NAME	
INCHES		PRODUCT SPEC		VERTICAL RECEPTACLE WITH GUIDES	
		108-1973		MULTI-BEAM XL	
		APPLICATION SPEC		-	
		114-13038		SIZE	
MATERIAL		WEIGHT		CAGE CODE	
FINISH		CUSTOMER DRAWING		DRAWING NO	
		SCALE		RESTRICTED TO	
		4:1		SHEET	
		1		OF	
		12		REV	
		E4			

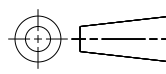
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GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

E 4

-	-	2.400	.250	.375	2.750	1.050	2.450	24S + 6P	2-6450541-6
-	-	-	-	.425	2.350	-	2.050	64S	2-6450541-5
-	-	1.100	-	.375	1.450	-	1.150	32S	2-6450541-4
-	-	3.800	.250	.375	4.150	3.450	3.850	120S + 2P	2-6450541-3
-	-	1.500	.250	.375	1.850	0.625	1.550	8S + 4P	2-6450541-2
-	-	1.600	.250	.375	1.950	0.725	1.650	12S + 4P	2-6450541-1
-	-	6.075	.200	.375	6.425	1.375	6.125	36S + 24P	2-6450541-0
-	-	4.025		.375	4.375	2.125	4.075	60S + 8P	1-6450541-9
-	-	2.925	.200	.375	3.275	1.025	2.975	24S + 10P	1-6450541-8
-	-	2.400	.250	.375	2.750	1.050	-	24S + 6P	1-6450541-7
-	-	1.750	.200	.375	2.100	.650	-	8S + 6HDP	1-6450541-4
-	-	0.950	.200	.375	1.300	.650	-	8S + 2HDP	1-6450541-3
-	-	1.700	.250	.375	2.050	.850	-	16S + 4P	1-6450541-2
-	-	2.850	.200	.375	3.200	.950	-	20S + 10HDP	6450541-7
-	-	2.900	.250	.375	3.250	1.050	-	24S + 8P	6450541-5
-	-	2.400	.250	.375	2.750	1.050	-	24S + 6P	6450541-4
-	-	1.900	.250	.375	2.250	1.050	-	24S + 4P	6450541-3
-	-	4.400	.250	.375	4.750	1.050	-	24S + 14P	6450541-2
.200	.600	3.800	.375	.400	4.150	.900	3.850	12S + 11P	6450541-1
DIM Y	DIM V	DIM U	DIM S	DIM K	DIM L	DIM W	DIM D	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 02MAY05

CHK M.PERCHERKE 02MAY05

APVD M.PERCHERKE 02MAY05

PRODUCT SPEC 108-1973

APPLICATION SPEC 114-13038

WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL

SIZE A1

CAGE CODE 00779

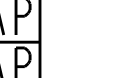
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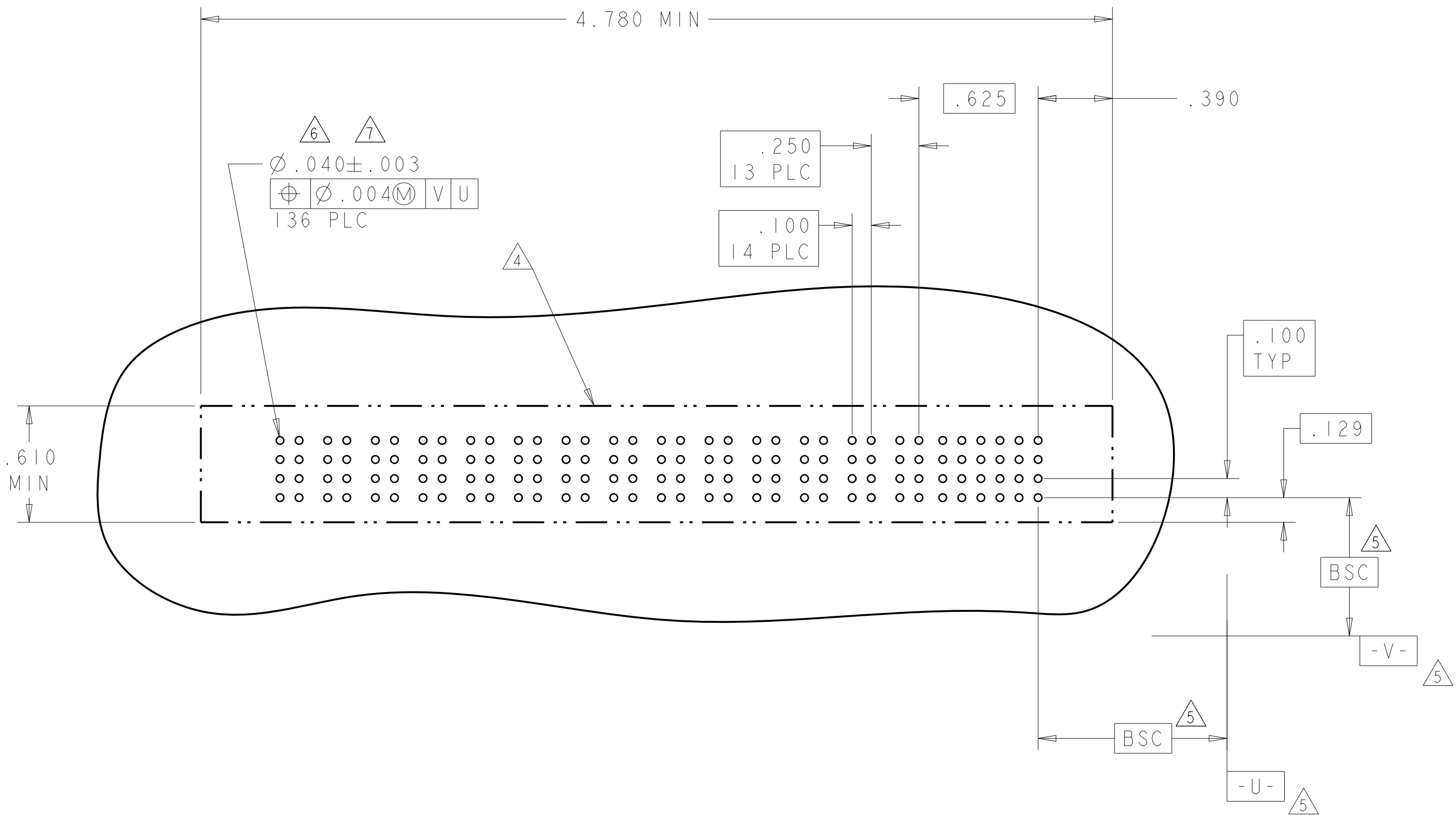
RESTRICTED TO -

SCALE 4:1

SHEET 2 OF 12

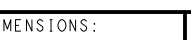
REV E 4

ASSY PART NUMBER	ROWS		POWER														SIGNAL							
			P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	6	5	4	3	2	1		
6450541-2	D C B A																							
24S + 14P																	AP	AP	AP	AP	AP	AP	AP	



.165	HS	STD POWER PRESS FIT CONTACT
.165	BP	SIGNAL PRESS FIT CONTACT
.135	GS	STD POWER PRESSFIT CONTACT
.135	GP	MFBL POWER PRESSFIT CONTACT
.135	AP	SIGNAL PRESSFIT CONTACT
TAIL LENGTH	CODE	DESCRIPTION

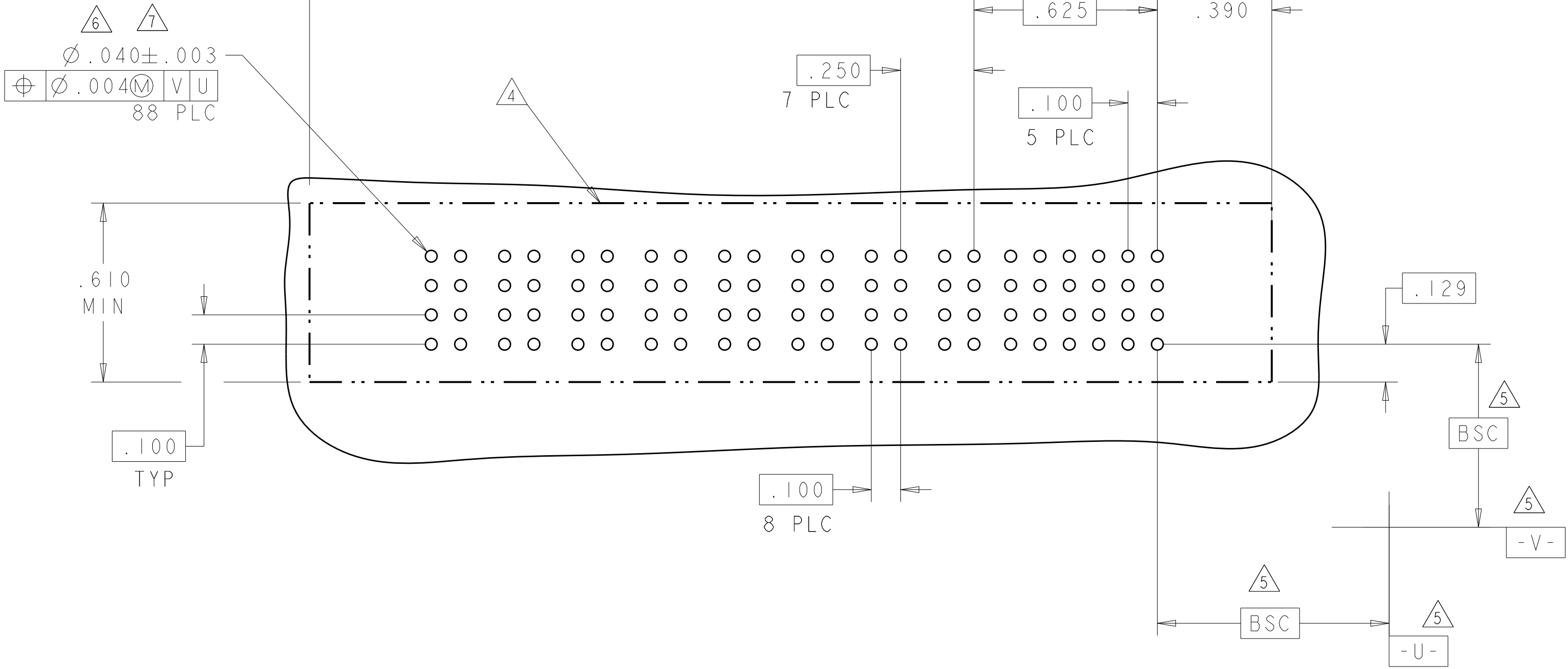
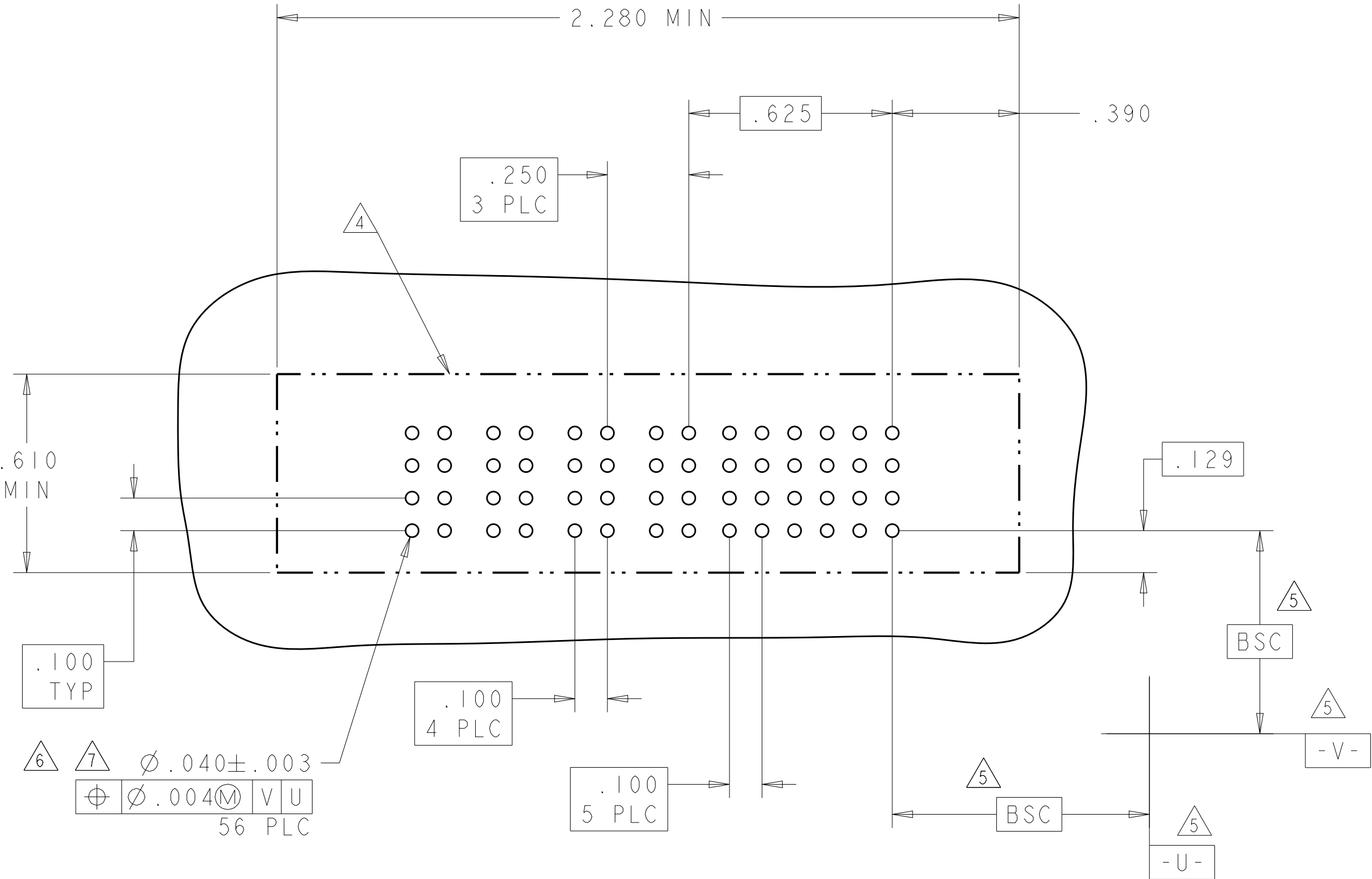
CONTACT TABLE

THIS DRAWING IS A CONTROLLED DOCUMENT		DWN R. GRZYBOWSKI 02MAT05 CHW R. PERCHERKE 02MAT05 APPV M. PERCHERKE 02MAT05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		NAME	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT -		VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL -	
MATERIAL		FINISH		SIZE CASE CODE DRAWING NO	
-		-		A1 00779 C-6450541	
				RESTRICTED TO	
				-	
CUSTOMER DRAWING				SCALE 4:1 SHEET 3 OF 12 REV E	

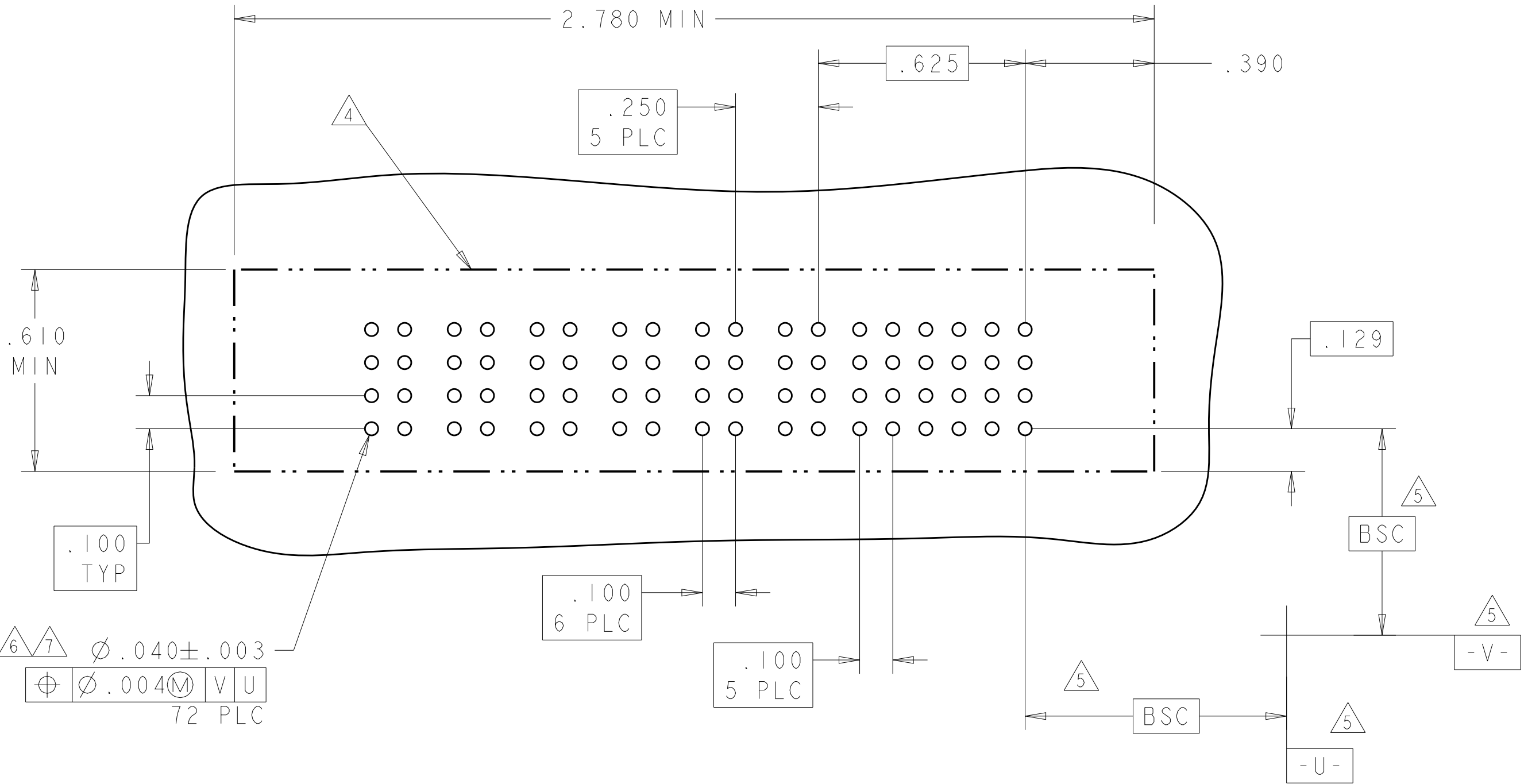
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		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-	-	SEE SHEET 1	-	-	-

ASSY PART NUMBER	ROWS		POWER				SIGNAL									
			P4	P3	P2	P1	6	5	4	3	2	1				
6450541-3	D C B A			GP		GP		GP		AP	AP	AP	AP	AP	AP	
										AP	AP	AP	AP	AP	AP	
										AP	AP	AP	AP	AP	AP	
										AP	AP	AP	AP	AP	AP	
24S + 4P																

PART NUMBER	ROWS		POWER								SIGNAL							
			P8	P7	P6	P5	P4	P3	P2	PI	6	5	4	3	2	I		
6450541-5	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	AP	AP		AP
24S + 8P																		



ASSY PART NUMBER	ROWS		POWER						SIGNAL						
			P6	P5	P4	P3	P2	P1	6	5	4	3	2	1	
6450541-4	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		
24S + 6P															



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN R.GRZYBOWSKI 02MAY05
CHK M.PERCHERKE 02MAY05
APVD M.PERCHERKE 02MAY05

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

MATERIAL -

FINISH -

CUSTOMER DRAWING

NAME VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL

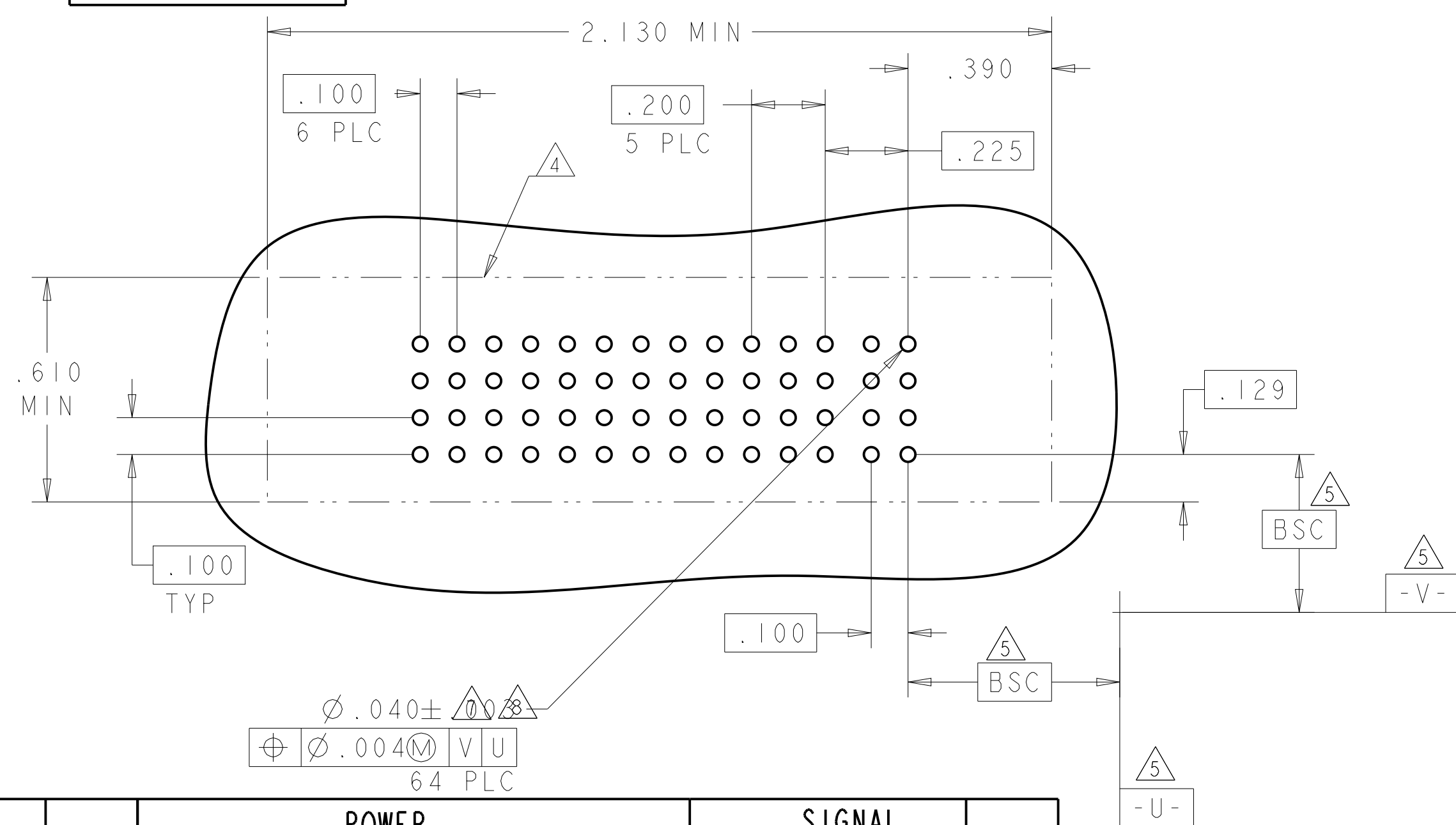
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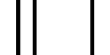
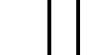
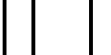
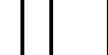
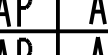
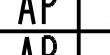
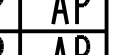
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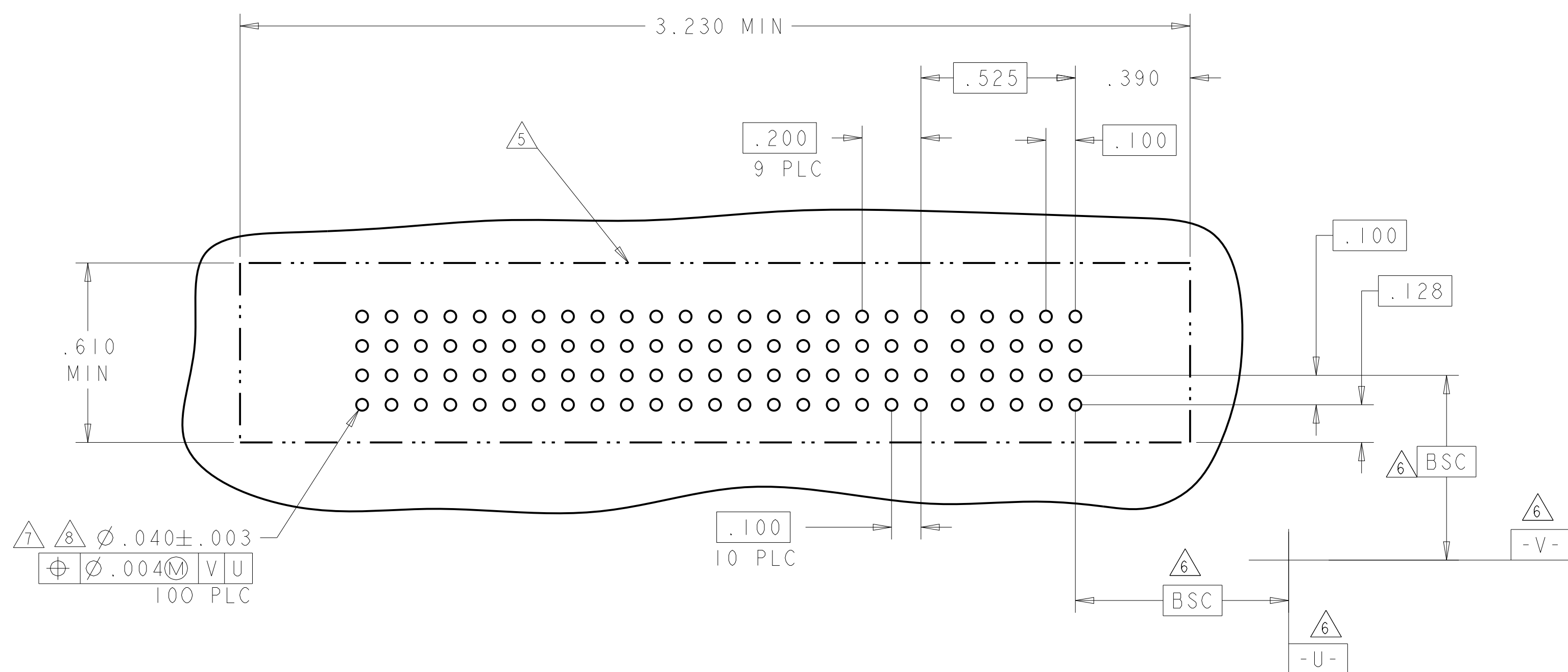
TE Connectivity

SCALE 4:1 SHEET 4 OF 12 REV E4

PART NUMBER	ROWS		POWER						SIGNAL		
			P6	P5	P4	P3	P2	P1	2	1	
I-6450541-4	D C B A		 HS	 HS	 HS	 HS	 HS	 BP	 BP	 BP	 BP
8S + 6HDP											

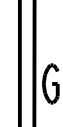
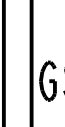
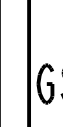
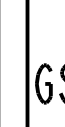
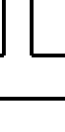
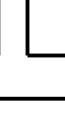


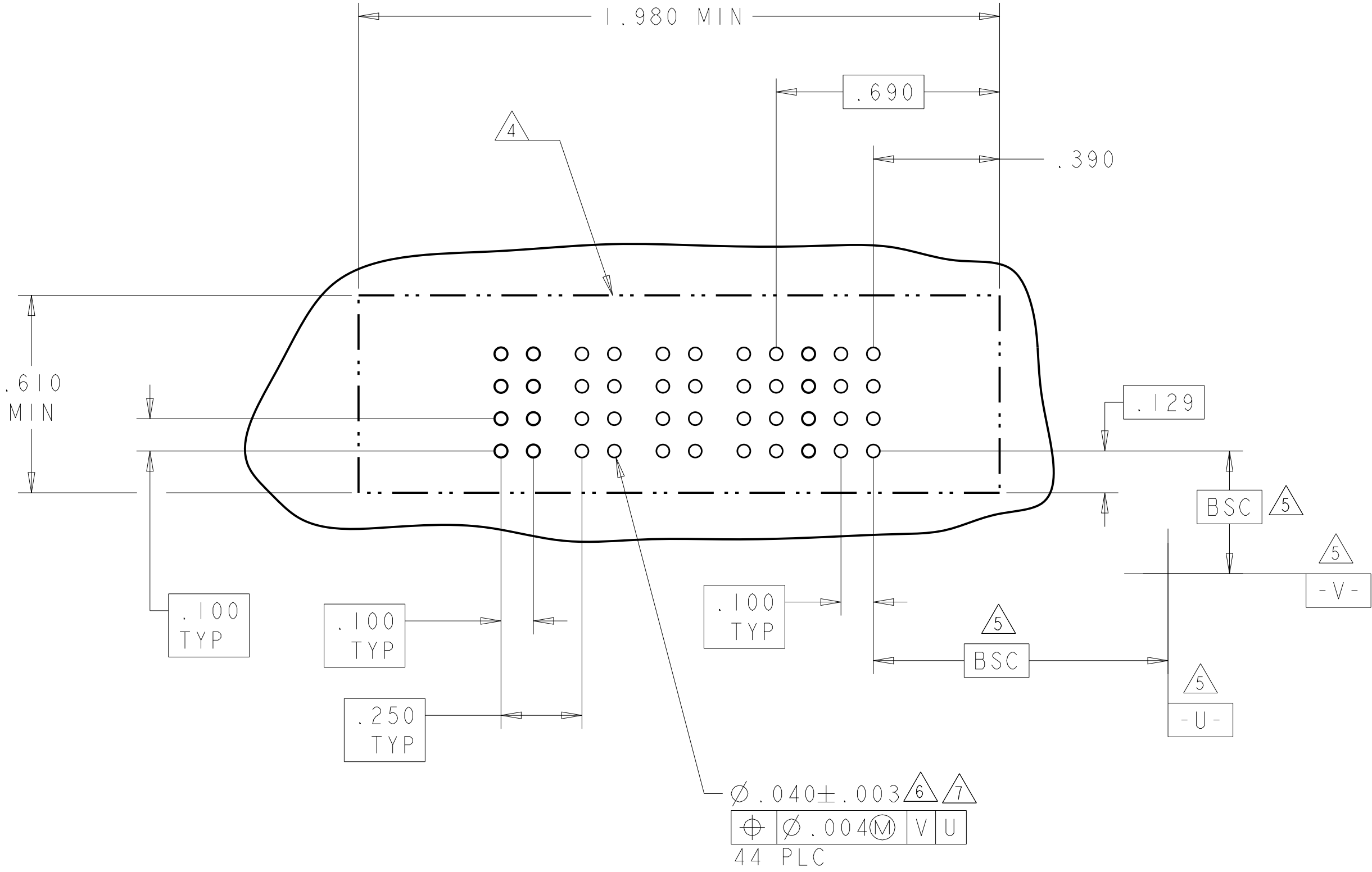
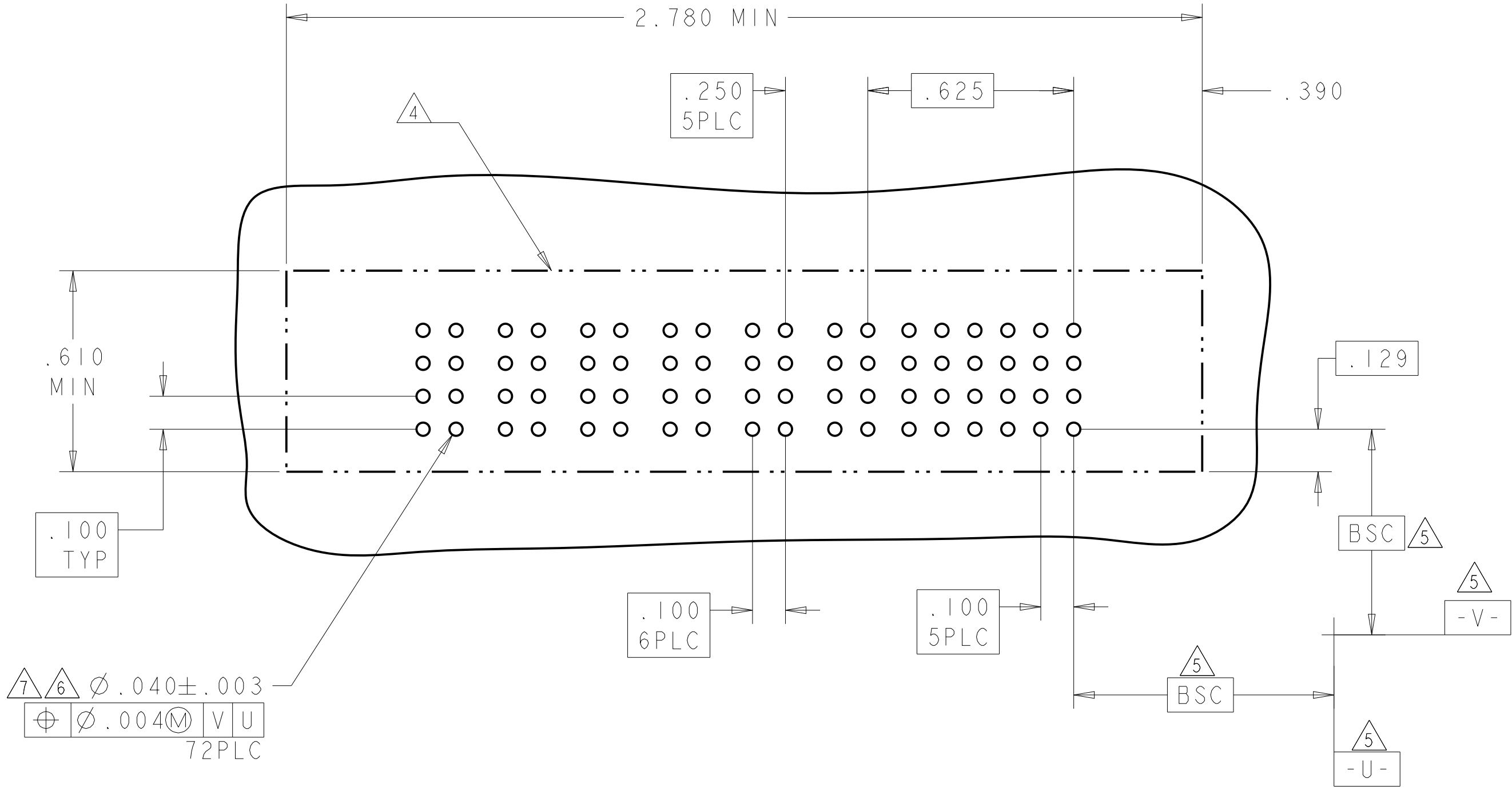
PART NUMBER	ROWS		POWER										SIGNAL																																																																																																																																		
			P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	5	4	3	2	1																																																																																																																														
6450541-7	D C B A																																																																																																																																														



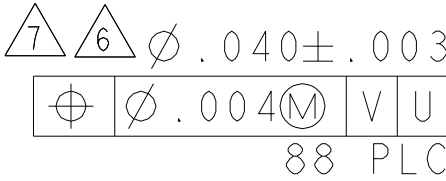
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
GP	00	-	-	SEE SHEET 1	-	-	-

ASSY PART NUMBER	ROWS		POWER						SIGNAL						
			P6	P5	P4	P3	P2	P1	6	5	4	3	2	1	
1-6450541-7	D C B A														
															
															
															
24S + 6P															

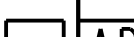
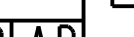
PART NUMBER	ROWS		POWER				SIGNAL			
			P4	P3	P2	P1	3	2	1	
2-6450541-1	D C B A						AP	AP	AP	
							AP	AP	AP	
							AP	AP	AP	
							AP	AP	AP	
12S + 4P										

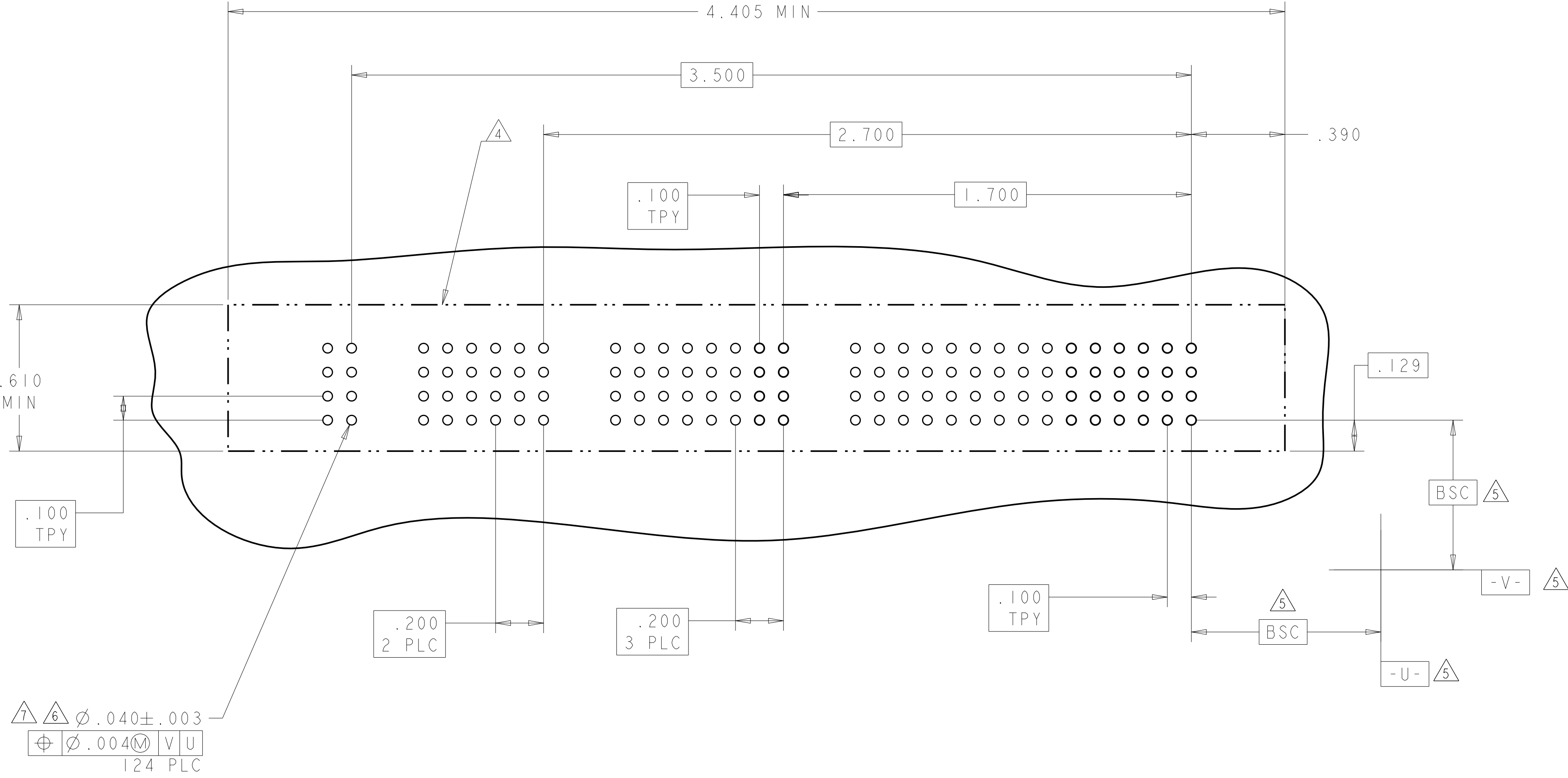
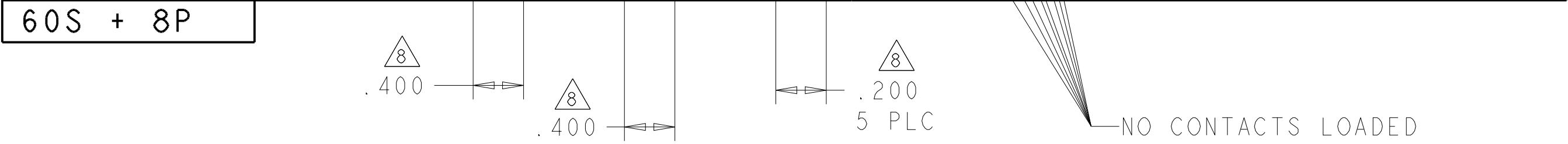


NO CONTACTS LOADED

4805 (3/11)

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

ASSY PART NUMBER	ROWS		POWER								SIGNAL																
			P8	P7	P6	P5	P4	P3	P2	P1	I5	I4	I3	I2	I1	I0	I9	I8	I7	I6	I5	I4	I3	I2	I1		
1-6450541-9	D C B A																										



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DWN

R.GRZYBOWSKI

02MAY05

CHK

M.PERCHERKE

02MAY05

APVD

M.PERCHERKE

02MAY05

DIMENSIONS:

INCHES

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

ANGLES

FINISH

±"

±.01

±.005

±.0020

±2°

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL

SIZE

CAGE CODE

DRAWING NO

SCALE

4:1

SHEET

8

OF

12

REV

E4

TE

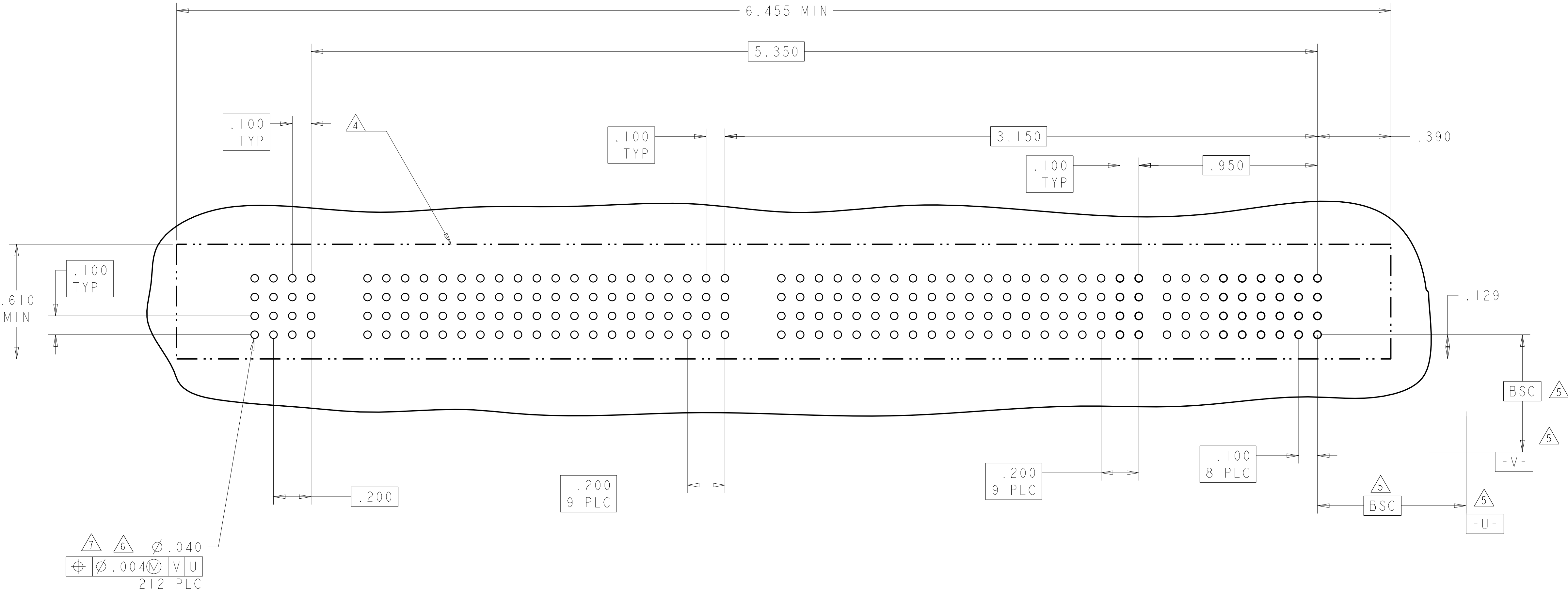
TE Connectivity

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

ASSY PART NUMBER	ROWS		POWER																								SIGNAL																																																																																																																																																																																																																																																																																																																																																														
			P24	P23	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	9	8	7	6	5	4	3	2		1																																																																																																																																																																																																																																																																																																																																																					
2 - 6450541 - 0	D C B A																																																																																																																																																																																																																																																																																																																																																																																								

NO CONTACTS LOADED

NO CONTACTS LOADED



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN R. GRZYBOWSKI 02MAY05
CHK M. PERCHERKE 02MAY05
APVD M. PERCHERKE 02MAY05

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

-

TE Connectivity

NAME VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL

SIZE A1

CAGE CODE 00779

DRAWING NO. 6450541

RESTRICTED TO

-

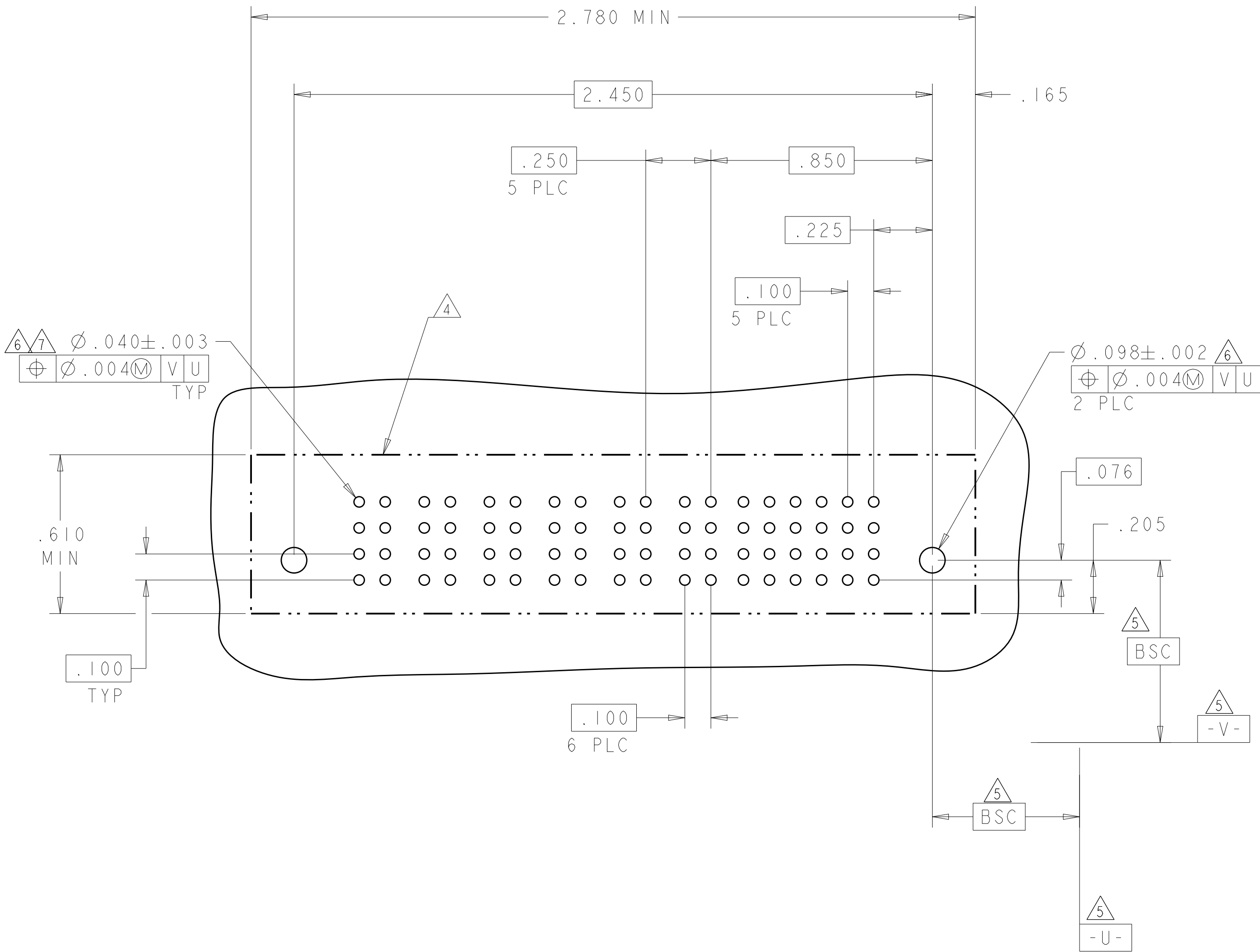
CUSTOMER DRAWING

SCALE 4:1

SHEET 9 OF 12

REV E4

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