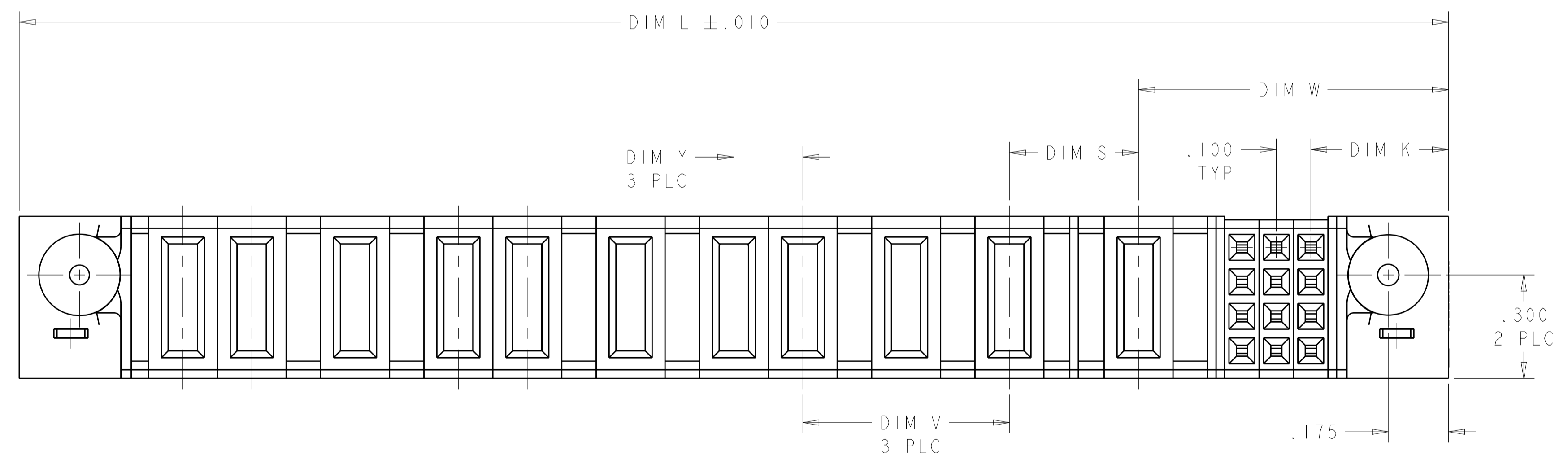
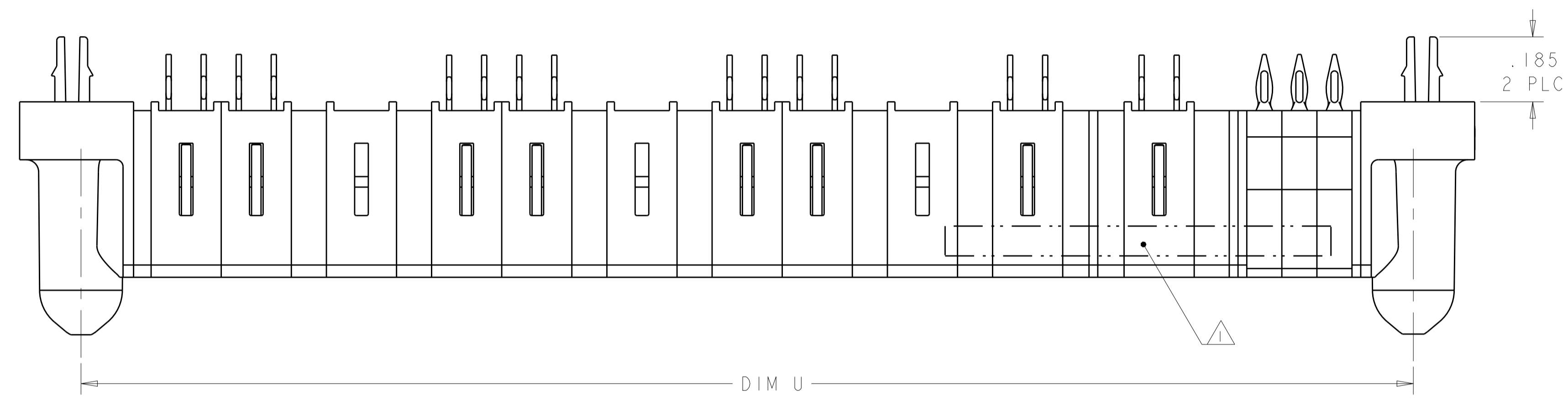
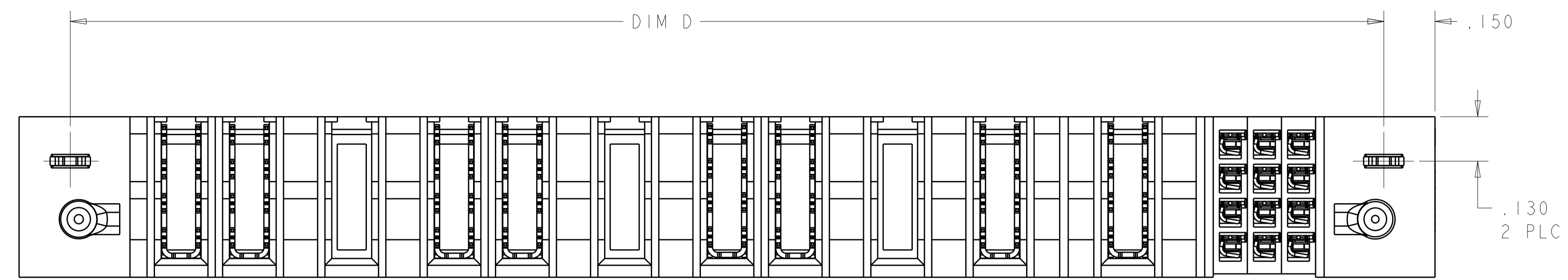
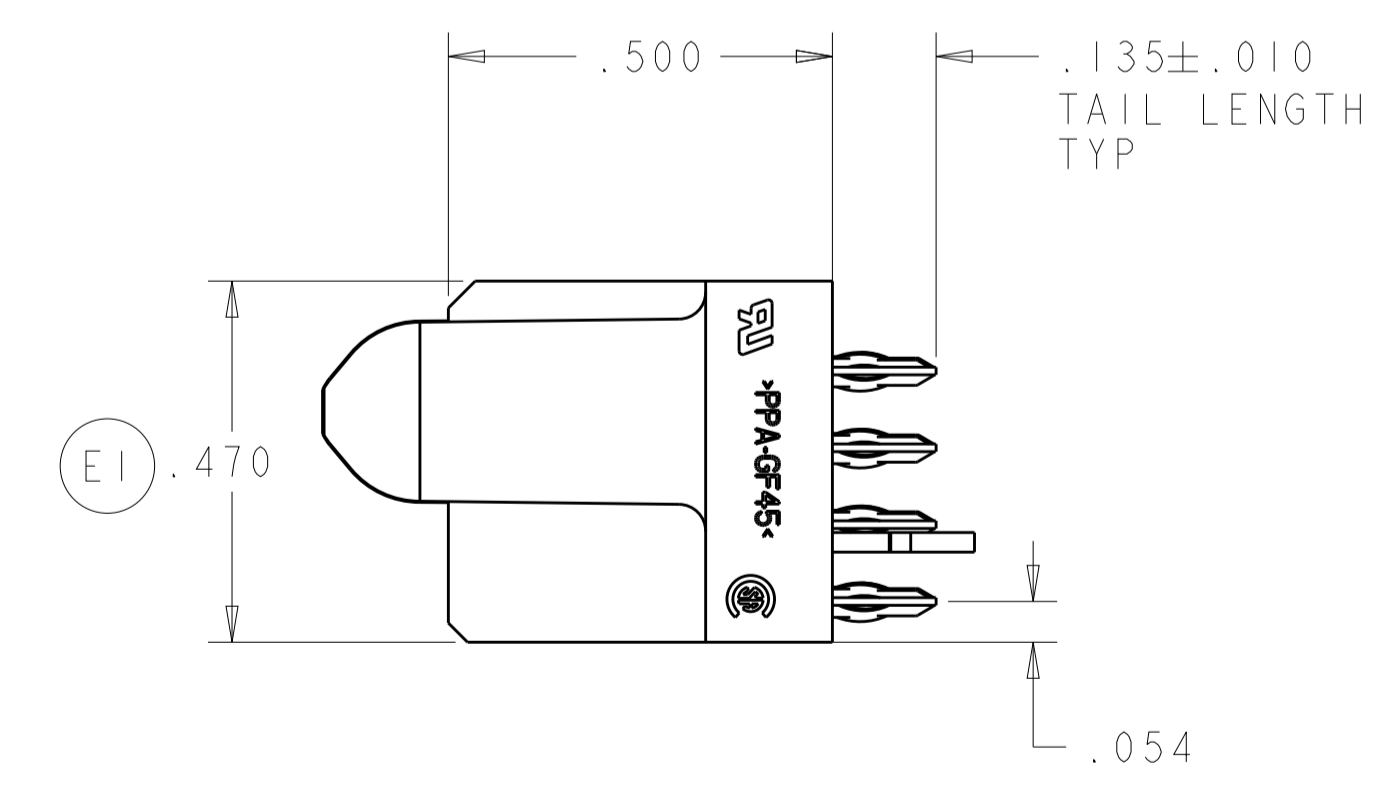


LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DWN	APVD		
GP	00						
E2		ADDED NEW DASH NUMBER 2-5	03MAY2012	CZ	SZ		
E3		REVISED	16FEB2013	ML	SZ		



- 1 "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0.
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 CHK M. PERCHERKE APVD M. PERCHERKE	02MAY05 02MAY05 02MAY05	TE Connectivity NAME VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL	
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC 108-1973	APPLICATION SPEC 114-13038		
0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	±. ±.01 ±.005 ±.0020 ±.7°	SIZE A1	CAGE CODE 00779	DRAWING NO 6450541	
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING	RESTRICTED TO	
		SCALE 4:1	SHEET 1	OF 12	REV E3

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

E2	-	-	-	-	.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

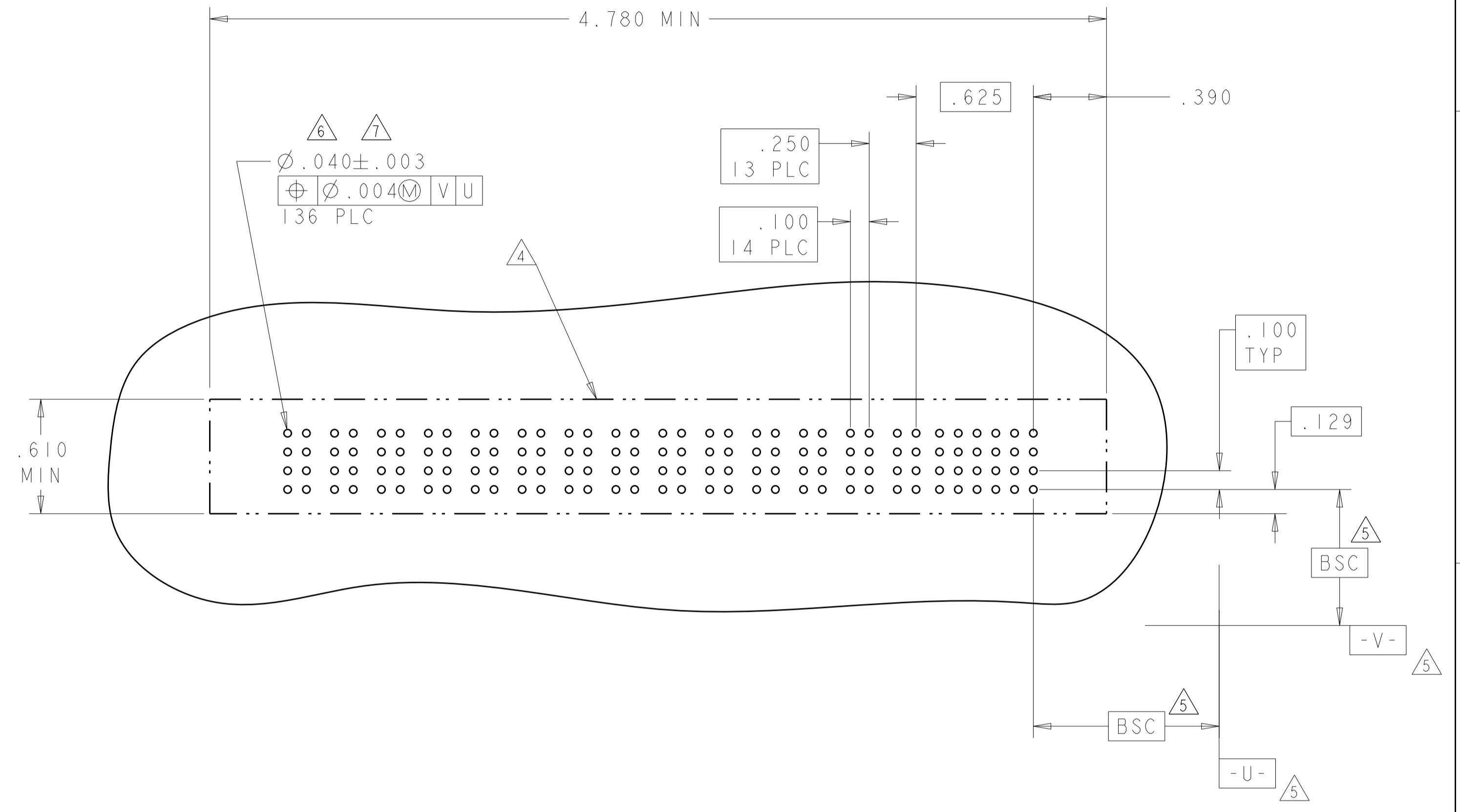
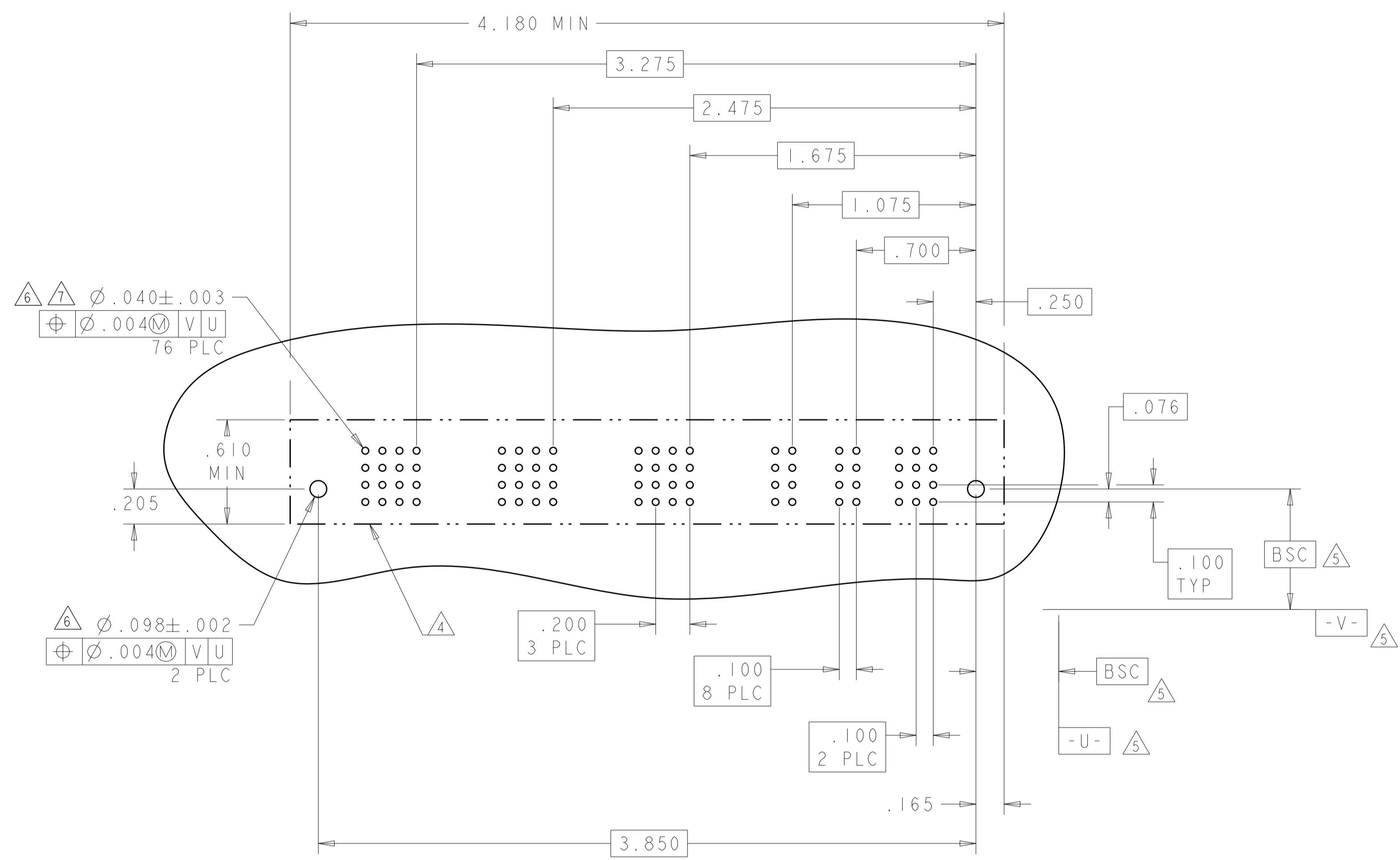
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 02MAY05	 TE Connectivity
DIMENSIONS: INCHES		CHK M. PERCHERKE 02MAY05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE 02MAY05	NAME VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.020		PRODUCT SPEC 108-1973	SIZE A1
MATERIAL		APPLICATION SPEC 114-13038	CAGE CODE 6450541
FINISH		WEIGHT	DRAWING NO 6450541
		CUSTOMER DRAWING	RESTRICTED TO
		SCALE 4:1	SHEET 2 OF 12
			REV E3

LOC	DIST	REVISIONS			
GP	00	REV	DATE	BY	APPV
		1			
		SEE SHEET 1			

PART NUMBER	ROWS	POWER										SIGNAL			
		P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	3	2	1
6450541-1	D C B A												AP	AP	AP
													AP	AP	AP
													AP	AP	AP
													AP	AP	AP
12S + 11P															

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															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 + 14P																					

NO CONTACTS LOADED



TAIL LENGTH	CODE	DESCRIPTION
.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

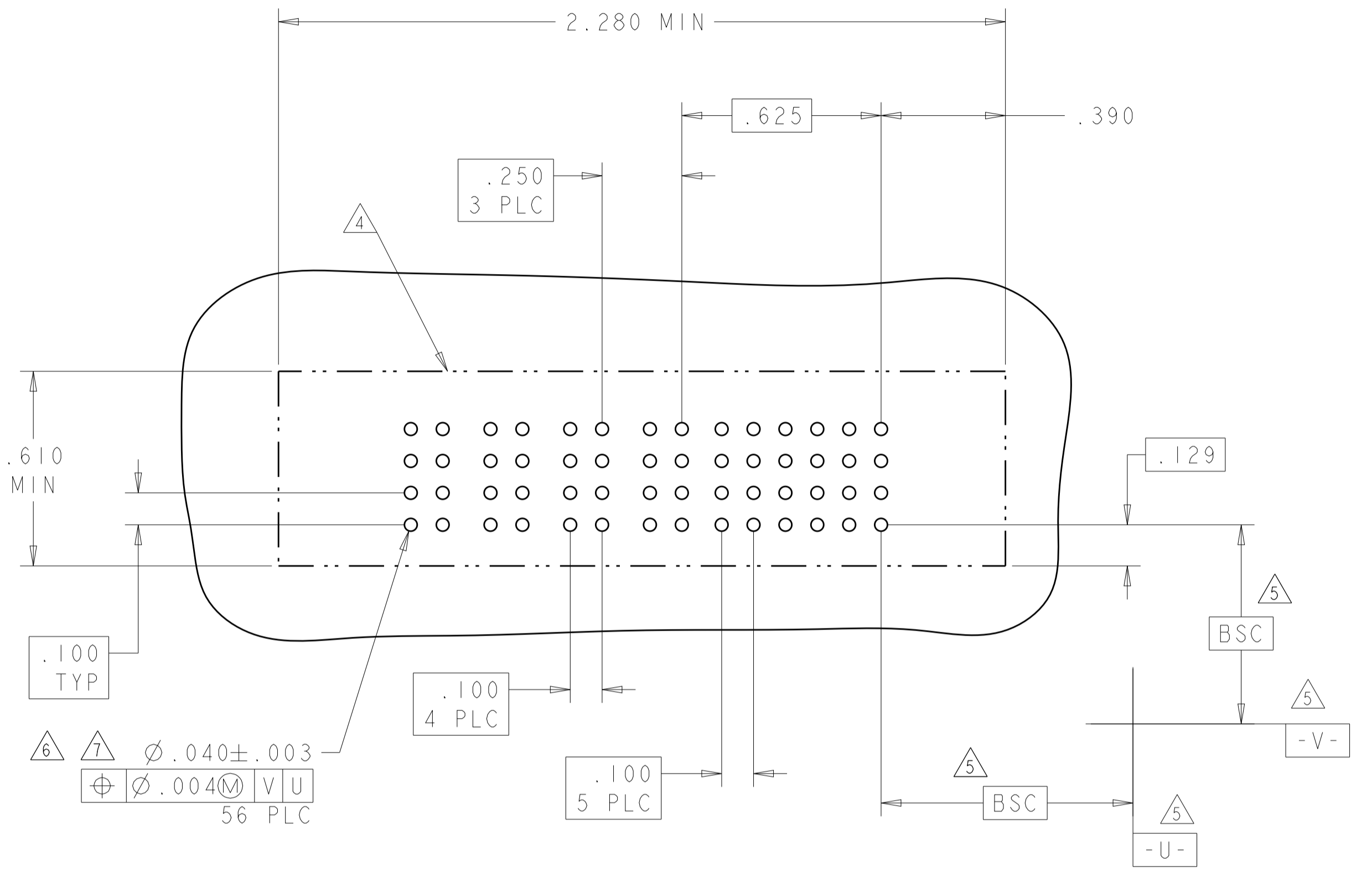
CONTACT TABLE

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: R. GRZYBOWSKI 02MAY05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 02MAY05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCHERKE 02MAY05	VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
0 PLC ±.01		PRODUCT SPEC	
1 PLC ±.01		108-1973	
2 PLC ±.01		APPLICATION SPEC	
3 PLC ±.005		114-13038	RESTRICTED TO
4 PLC ±.002		WEIGHT	A100779C=6450541
ANGLES ±.020		CUSTOMER DRAWING	SCALE 4:1 SHEET 3 OF 12 REV E3
FINISH			

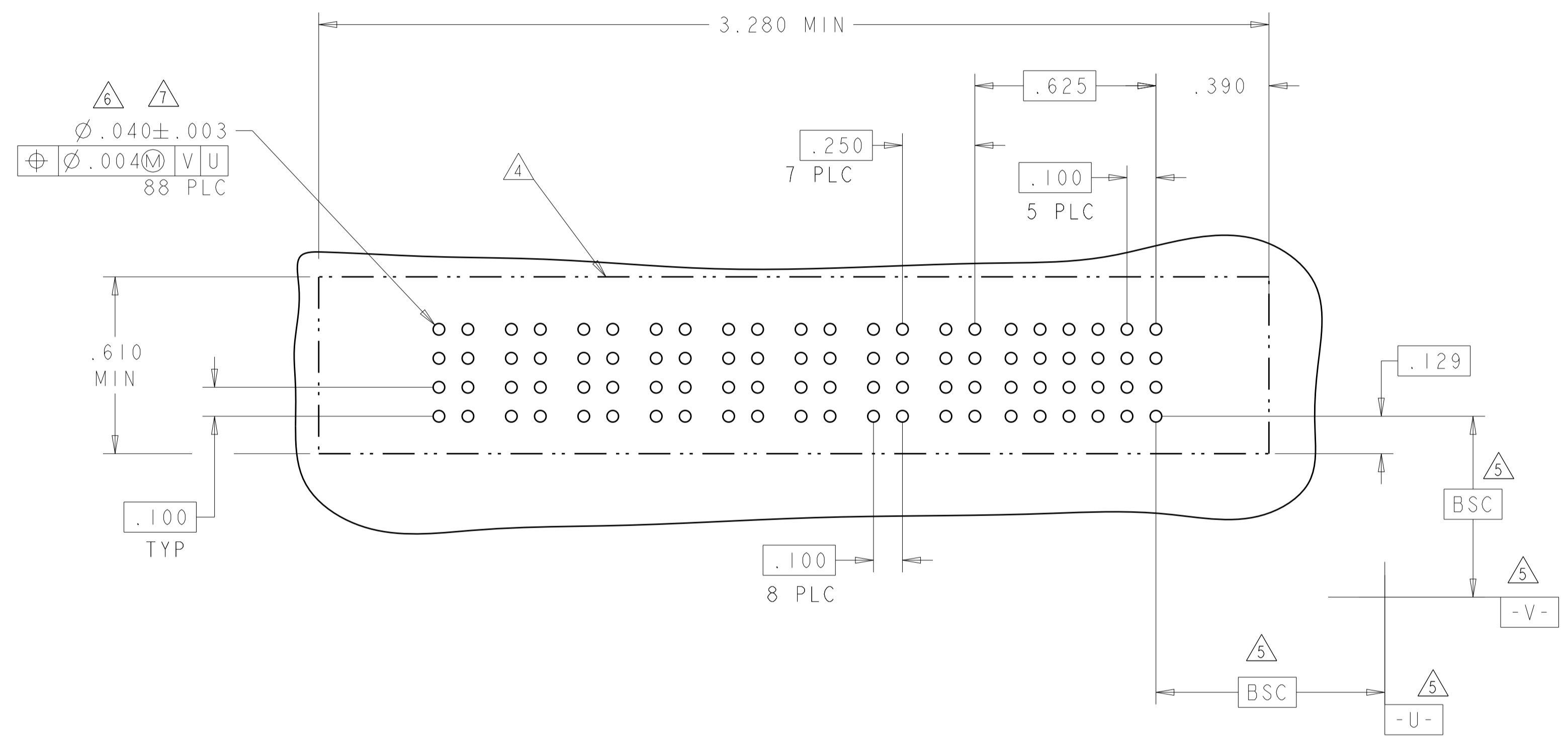
LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS			
REV	DATE	BY	APPV
-	-	-	-
SEE SHEET 1			

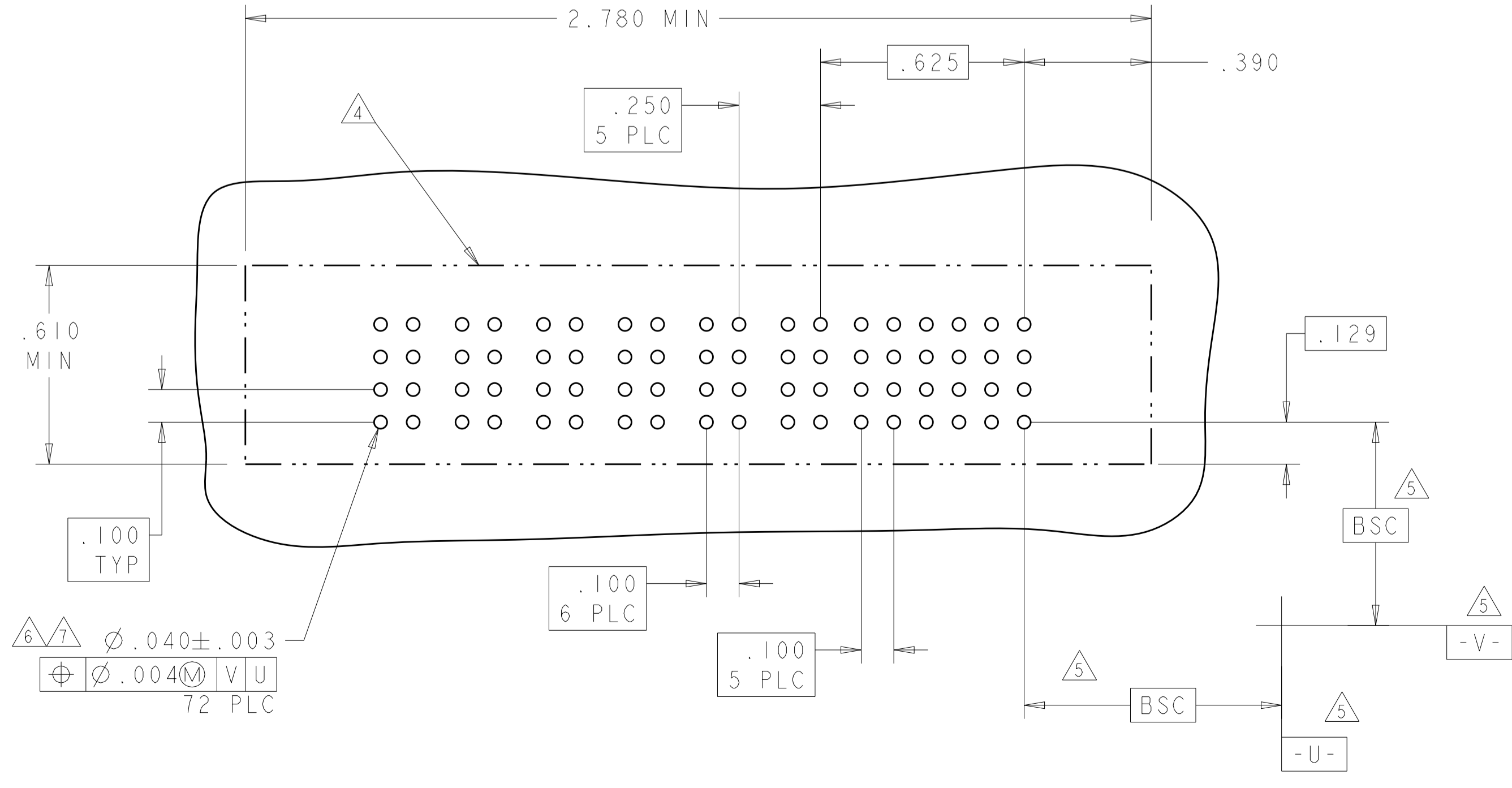
ASSY PART NUMBER	ROWS	POWER				SIGNAL						
		P4	P3	P2	PI	6	5	4	3	2	1	
6450541-3	D C B A	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
24S + 4P												



PART NUMBER	ROWS	POWER								SIGNAL					
		P8	P7	P6	P5	P4	P3	P2	PI	6	5	4	3	2	1
6450541-5	D C B A	GP	GP	GP	GP	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP
24S + 8P															



ASSY PART NUMBER	ROWS	POWER						SIGNAL						
		P6	P5	P4	P3	P2	PI	6	5	4	3	2	1	
6450541-4	D C B A	GP	GP	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	
		GP	GP	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	
		GP	GP	GP	GP	GP	GP	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

STE TE Connectivity

NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL

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

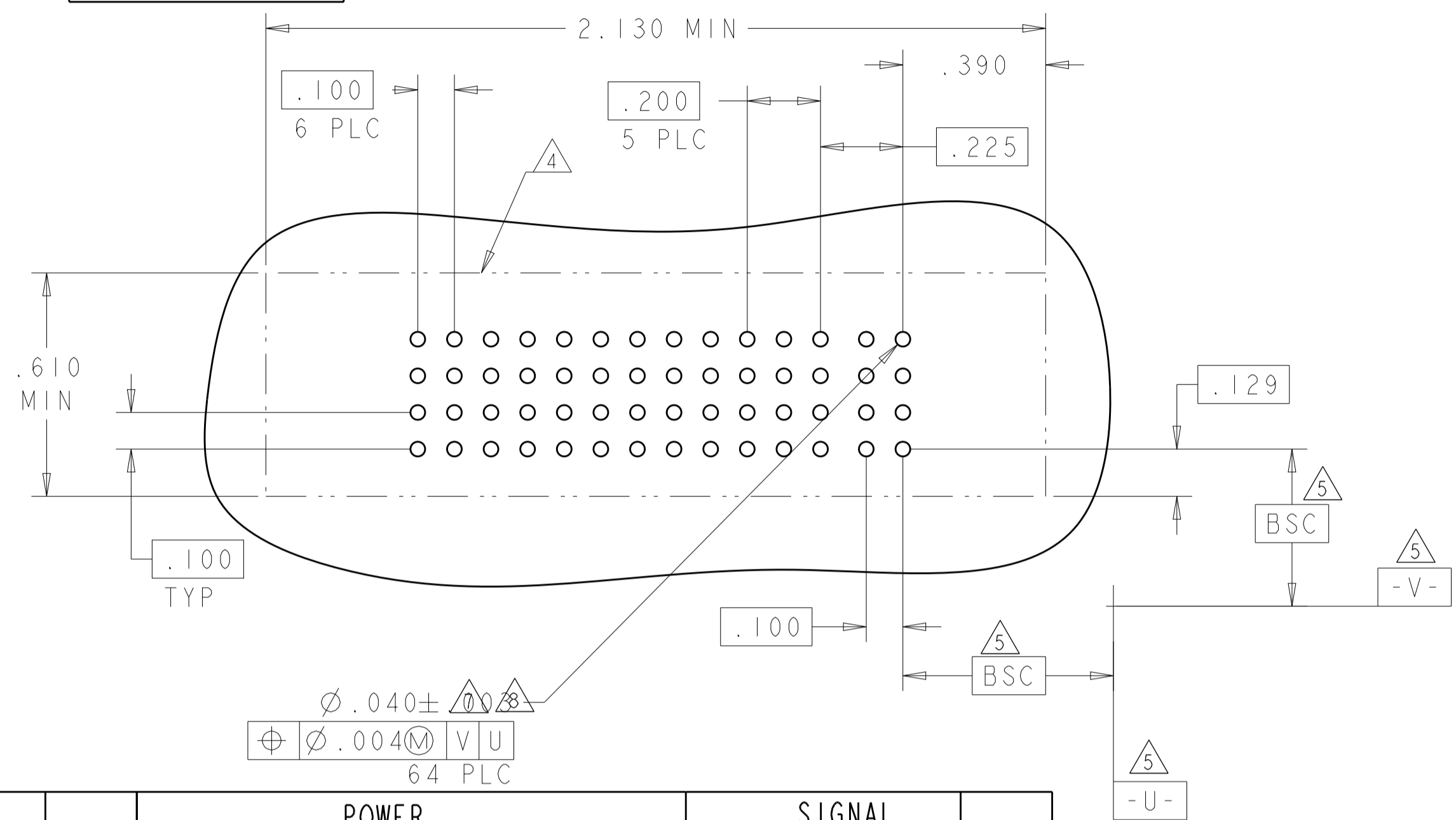
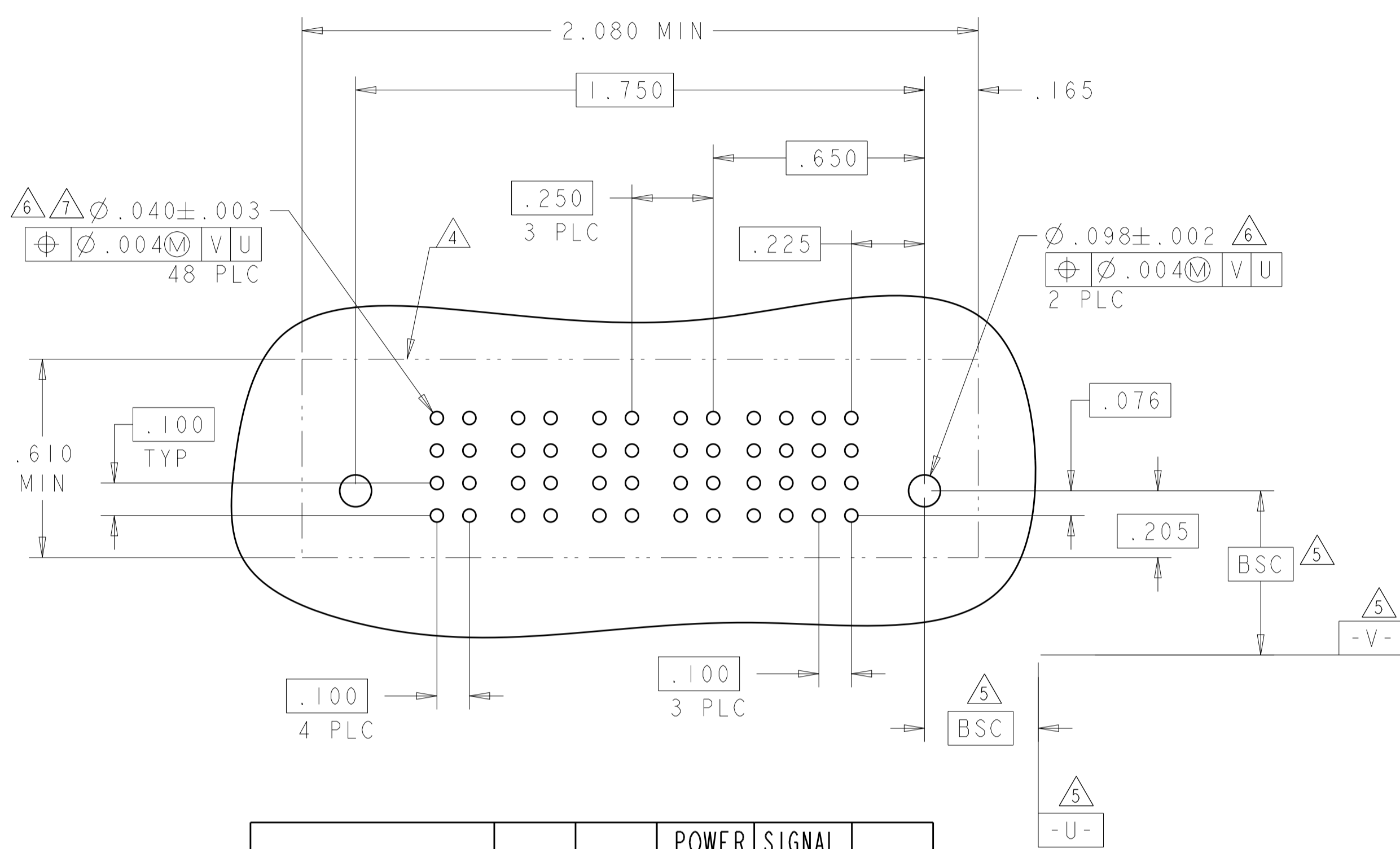
SIZE: A1 00779 C=6450541
 SCALE: 4:1 SHEET 4 OF 12 REV: E3

MATERIAL: - FINISH: - WEIGHT: -

CUSTOMER DRAWING

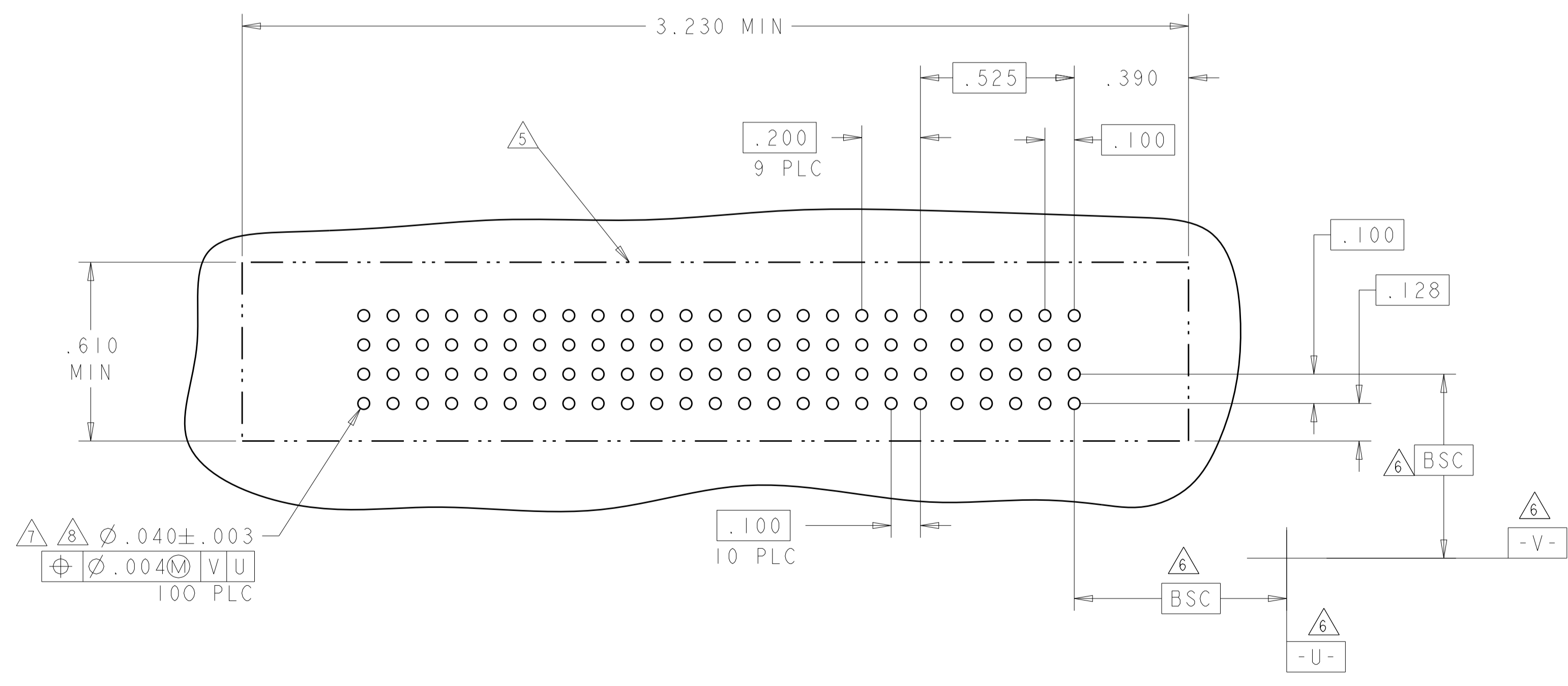
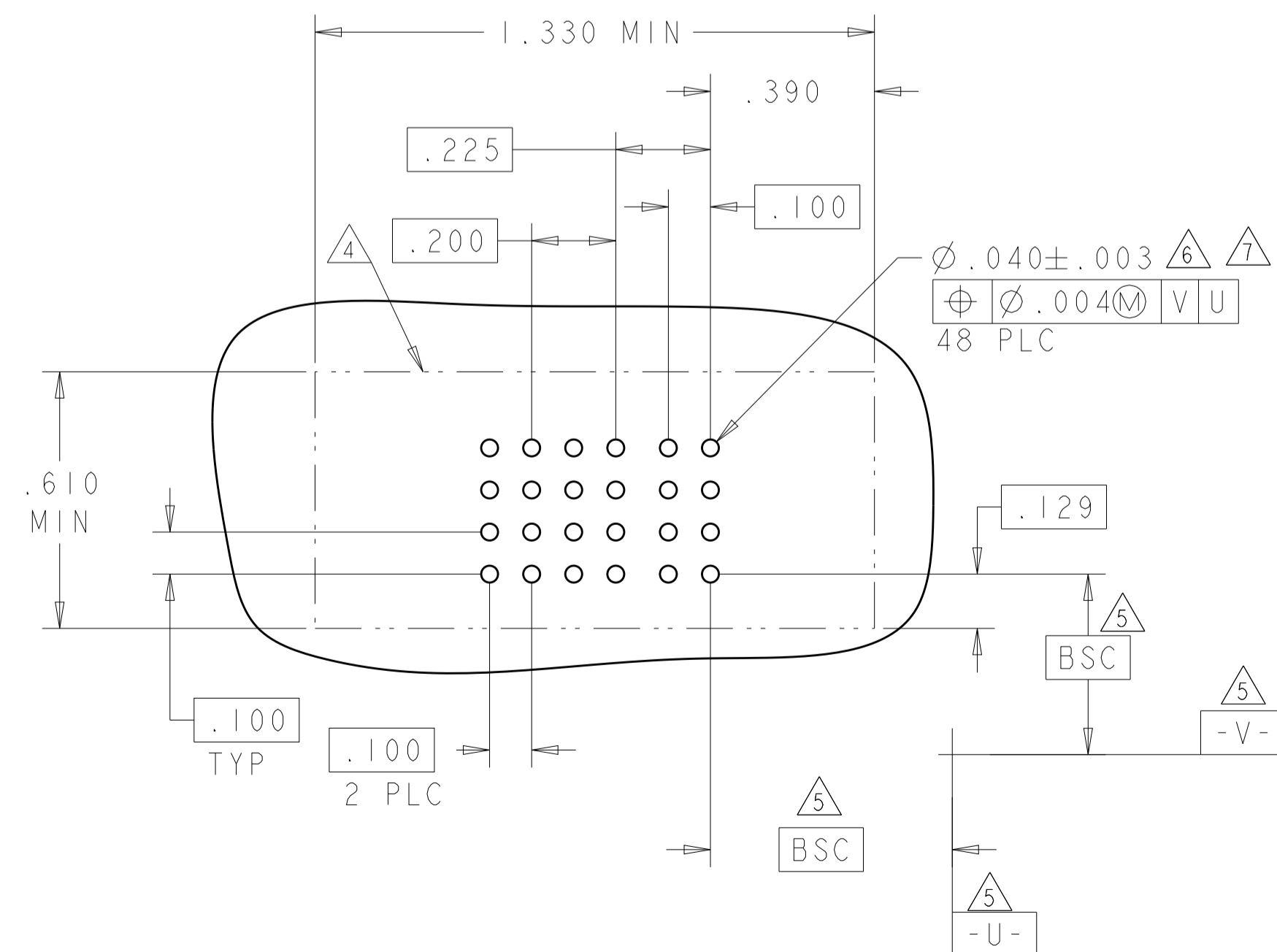
PART NUMBER	ROWS	POWER				SIGNAL			
		P4	P3	P2	P1	4	3	2	1
I-6450541-2	D C B A	GS	GS	GS	GS	AP	AP	AP	AP
						AP	AP	AP	AP
						AP	AP	AP	AP
						AP	AP	AP	AP
16S + 4P									

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	HS	BP	BP
								BP	BP
								BP	BP
								BP	BP
8S + 6HDP									



PART NUMBER	ROWS	POWER		SIGNAL	
		P2	P1	2	1
I-6450541-3	D C B A	HS	HS	BP	BP
				BP	BP
				BP	BP
				BP	BP
8S + 2HDP					

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	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP
																AP	AP	AP	AP	AP
																AP	AP	AP	AP	AP
																AP	AP	AP	AP	AP
20S + 10HDP																				



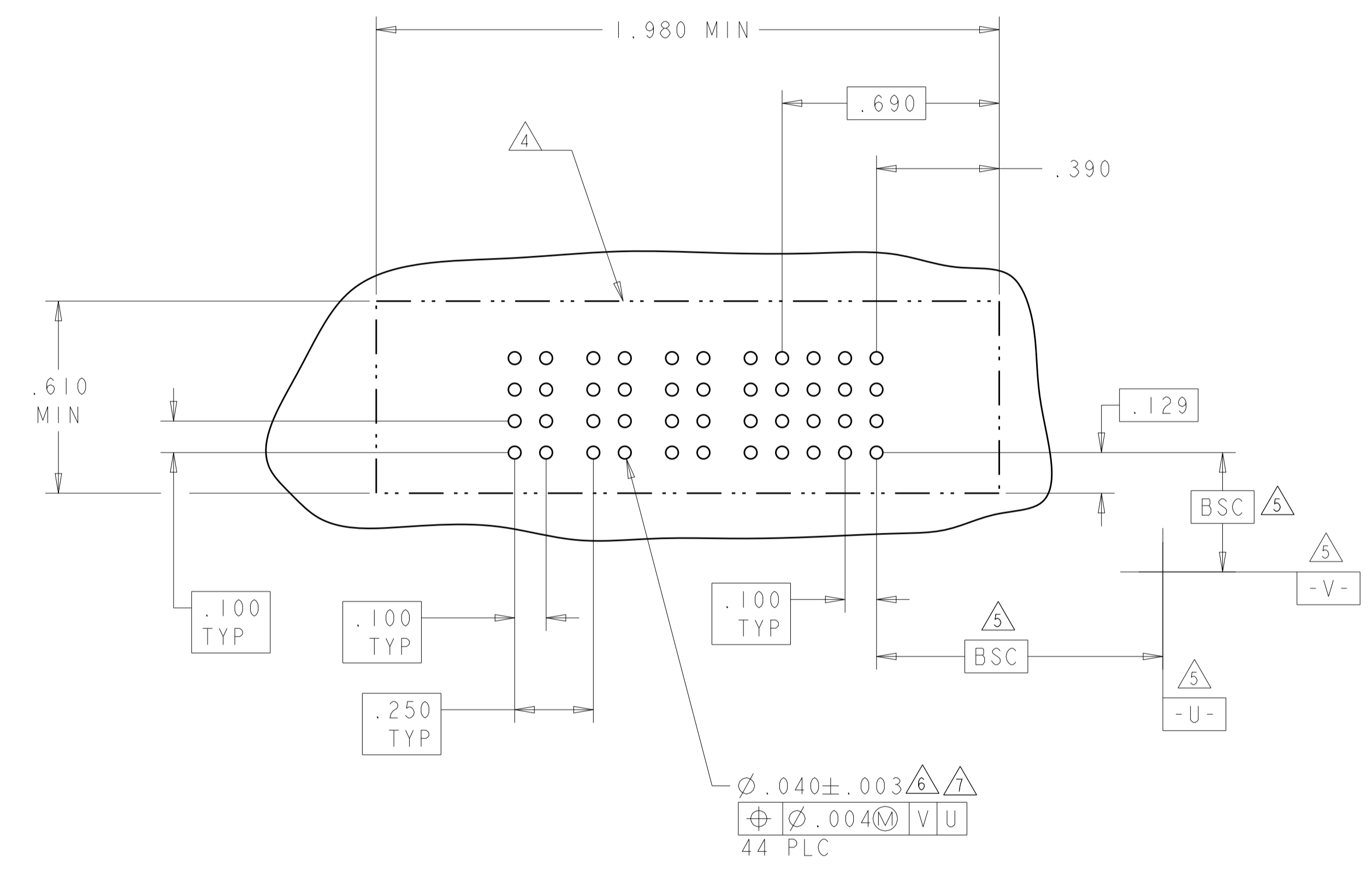
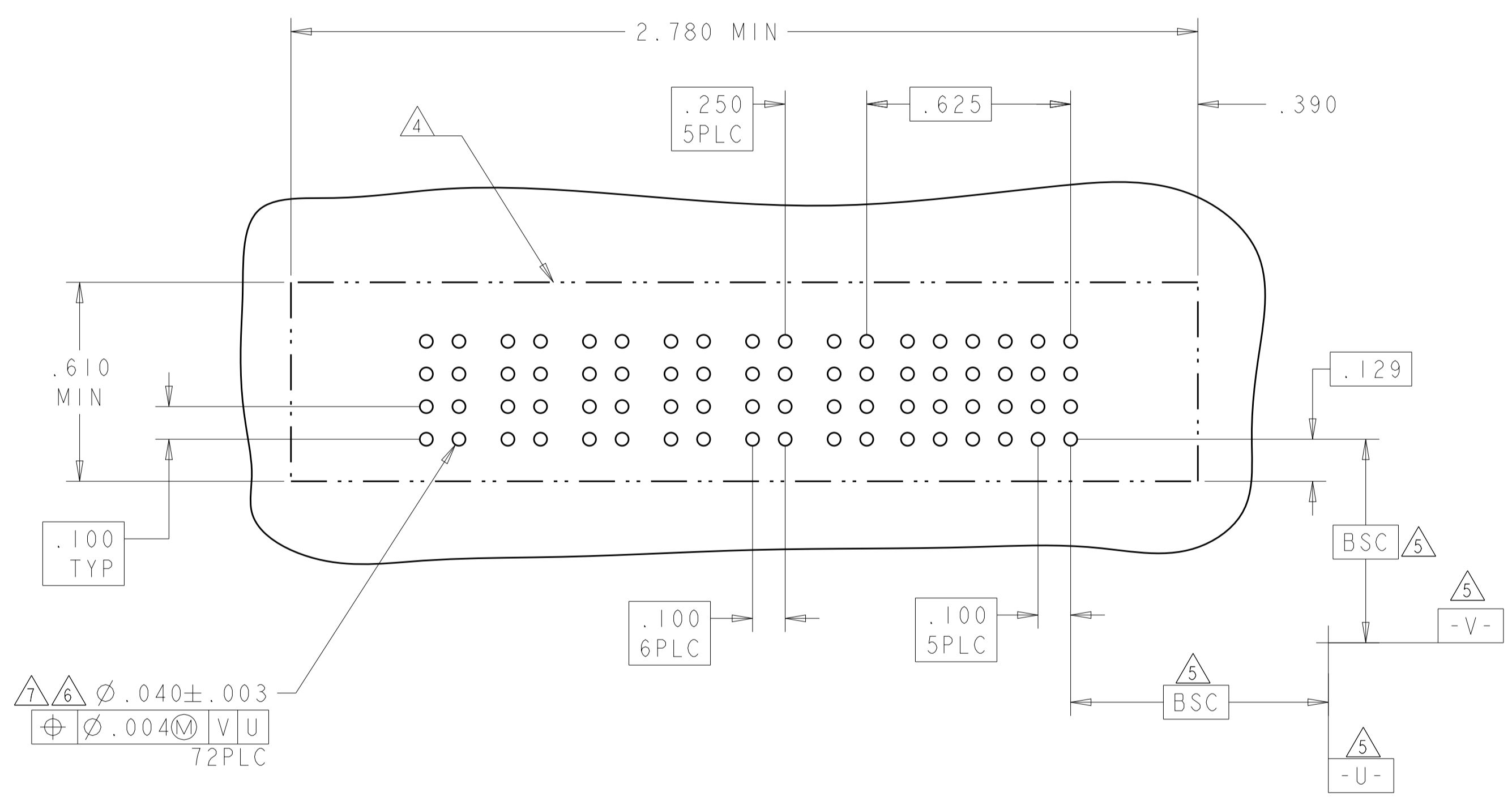
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN: R. GRZYBOWSKI 02MAY05	CHK: M. PERCHERKE 02MAY05					
INCHES	0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020	APVD: M. PERCHERKE 02MAY05	NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL					
MATERIAL:	FINISH:	PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038	SIZE: A1	CAGE CODE: 6450541	DRAWING NO: 100779	SHEET 5 OF 12	REV E3
CUSTOMER DRAWING		SCALE: 4:1		RESTRICTED TO:				

LOC		DIST		REVISONS				
P	LTN	DATE	DMN	APVD	DESCRIPTION	DATE	DMN	APVD
-	-	-	-	-	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	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
24S + 6P																			

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	FINISH	FINISH
-----------------------	--	--------	--------

OWN: R. GRZYBOWSKI 02MAY05	CHK: M. PERCHERKE 02MAY05	APVD: M. PERCHERKE 02MAY05
PRODUCT SPEC: 108-1973		
APPLICATION SPEC: 114-13038		
WEIGHT: -		
CUSTOMER DRAWING		

STE TE Connectivity

NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL

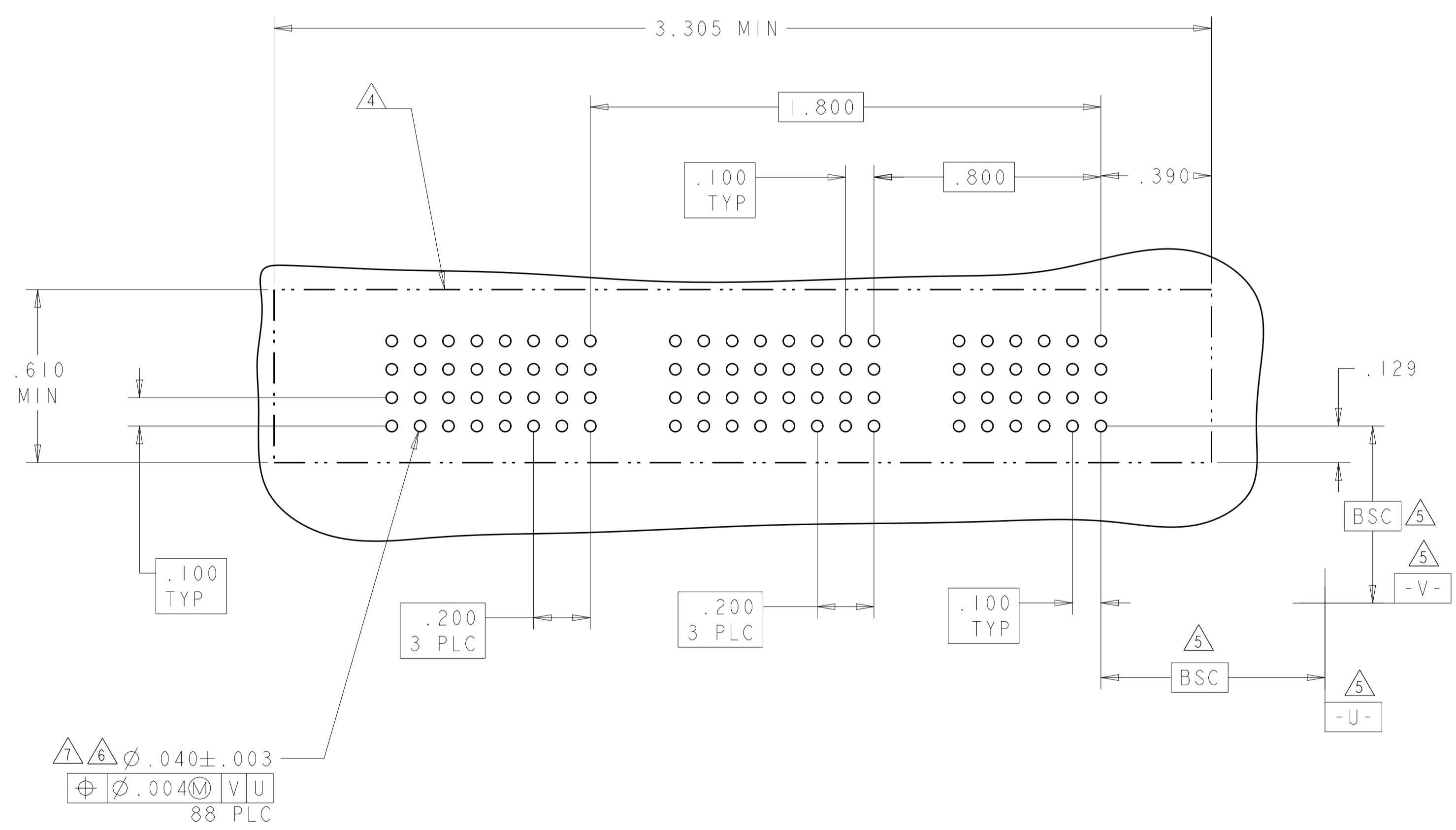
SIZE: A1 CAGE CODE: 6450541 DRAWING NO: 100779

SCALE: 4:1 SHEET 6 OF 12 REV: E3

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

ASSY PART NUMBER	ROWS	POWER										SIGNAL						
		P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	6	5	4	3	2	1	
1-6450541-8	D C B A	GS	GS	GS	GS		GS	GS	GS	GS		AP	AP	AP	AP			
												AP	AP	AP	AP			
												AP	AP	AP	AP			
												AP	AP	AP	AP			
24S + 10P																		

NO CONTACTS LOADED



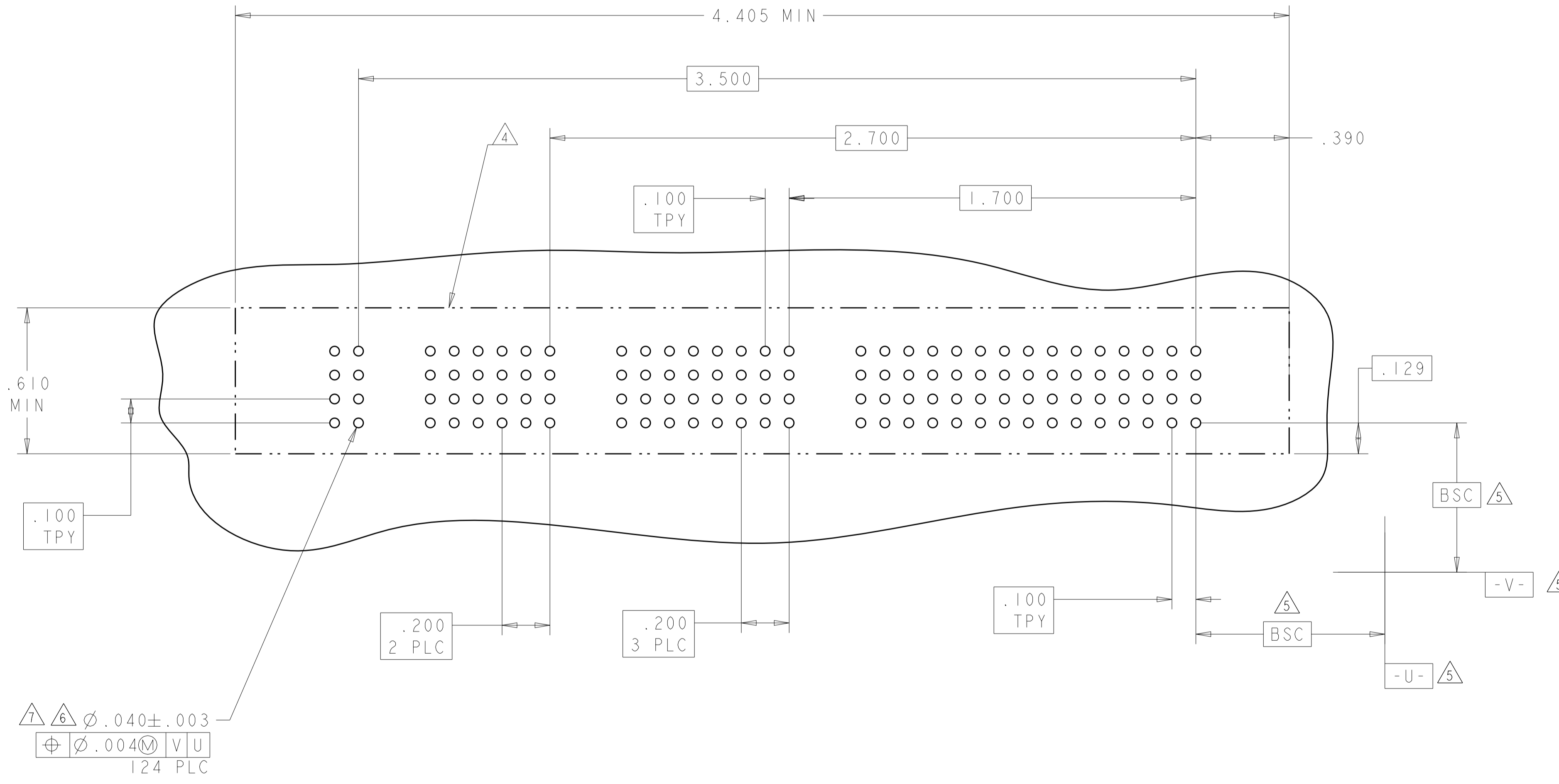
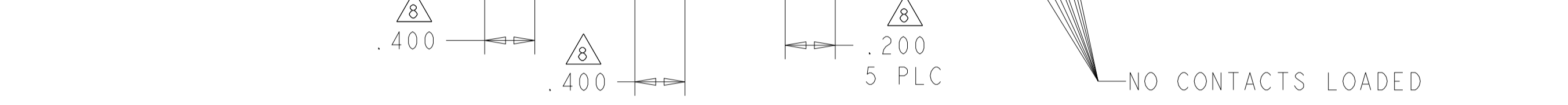
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	DWN: B. GRZYBOWSKI 02MAY05 CHK: M. PERCHERKE 02MAY05 APVD: M. PERCHERKE 02MAY05	NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
MATERIAL: -	FINISH: -	PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: -	RESTRICTED TO: -
CUSTOMER DRAWING		SCALE: 4:1	SHEET 7 OF 12 REV: E3

4805 (3/11)

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

ASSY PART NUMBER	ROWS	POWER								SIGNAL														
		P8	P7	P6	P5	P4	P3	P2	P1	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
1-6450541-9	D C B A	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
		GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
		GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
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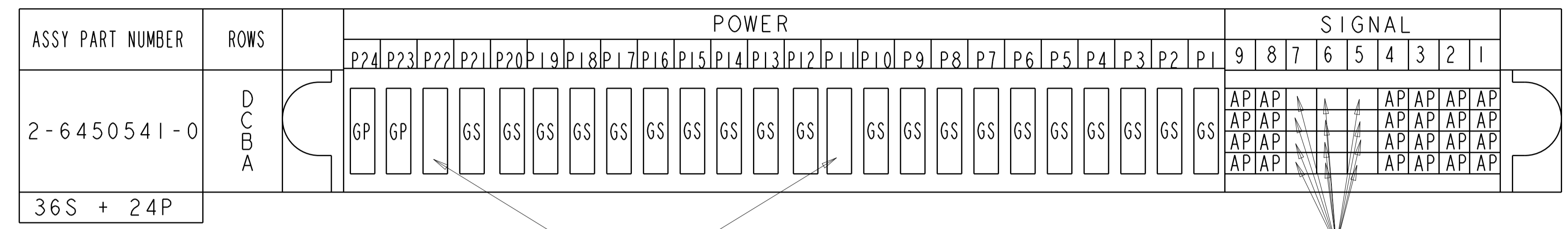


THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	DWN: R. GRZYBOWSKI 02MAY05 CHK: M. PERCHERKE 02MAY05 APVD: M. PERCHERKE 02MAY05	TE Connectivity VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
MATERIAL: -	FINISH: -	PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: - CUSTOMER DRAWING	

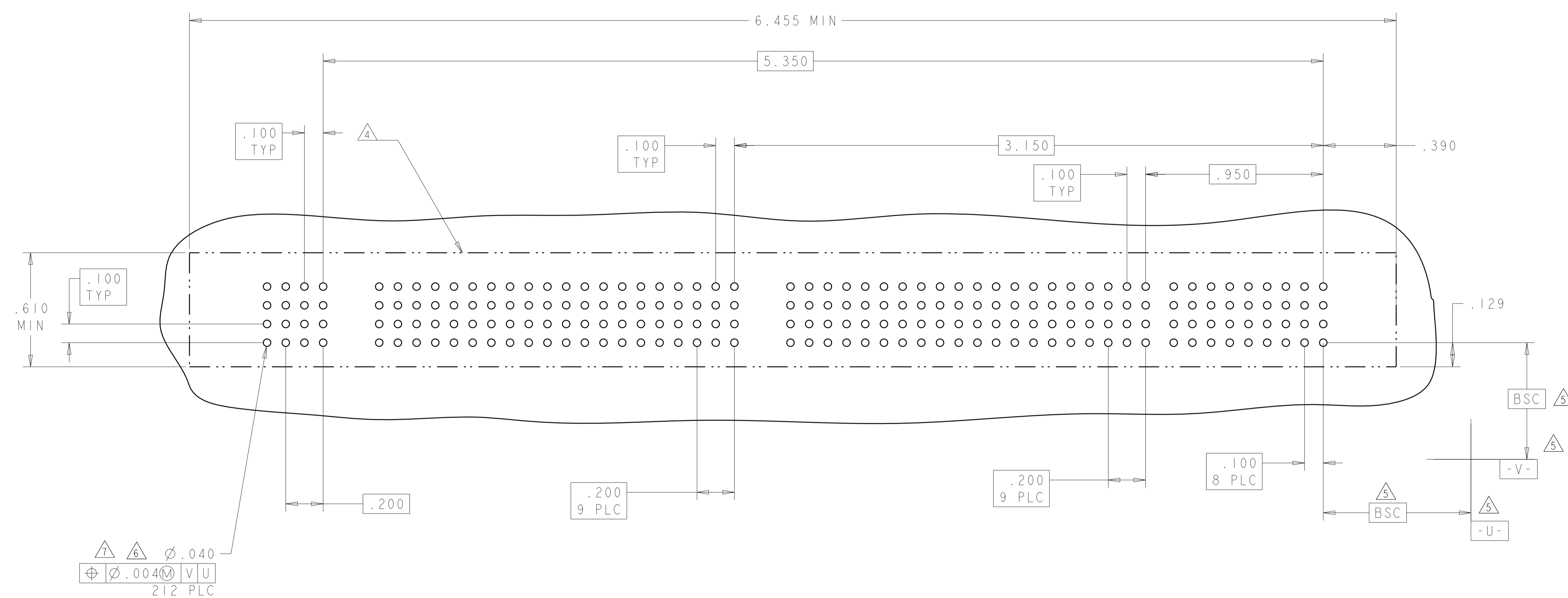
SIZE: A1 CAGE CODE: 6450541 DRAWING NO: 100779 SHEET 8 OF 12 REV E3

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	SEE SHEET 1	-	-	-



NO CONTACTS LOADED

NO CONTACTS LOADED



Δ	Δ	ϕ .040
\oplus	ϕ .004(M)	V U
212 PLC		

THIS DRAWING IS A CONTROLLED DOCUMENT.

DMN: R. GRZYBOWSKI 02MAY05	TE Connectivity VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL				
CHK: M. PERCHERKE 02MAY05					
APVD: M. PERCHERKE 02MAY05					
NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL					
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC: 108-1973	SIZE: A1	CAGE CODE: 6450541	RESTRICTED TO:
0 PLC ±.01	1 PLC ±.01	APPLICATION SPEC: 114-13038	SCALE: 4:1	SHEET 9 OF 12	REV: E3
2 PLC ±.01	3 PLC ±.005	WEIGHT: -	CUSTOMER DRAWING		
4 PLC ±.0020	ANGLES ±.2°				
MATERIAL: -	FINISH: -				

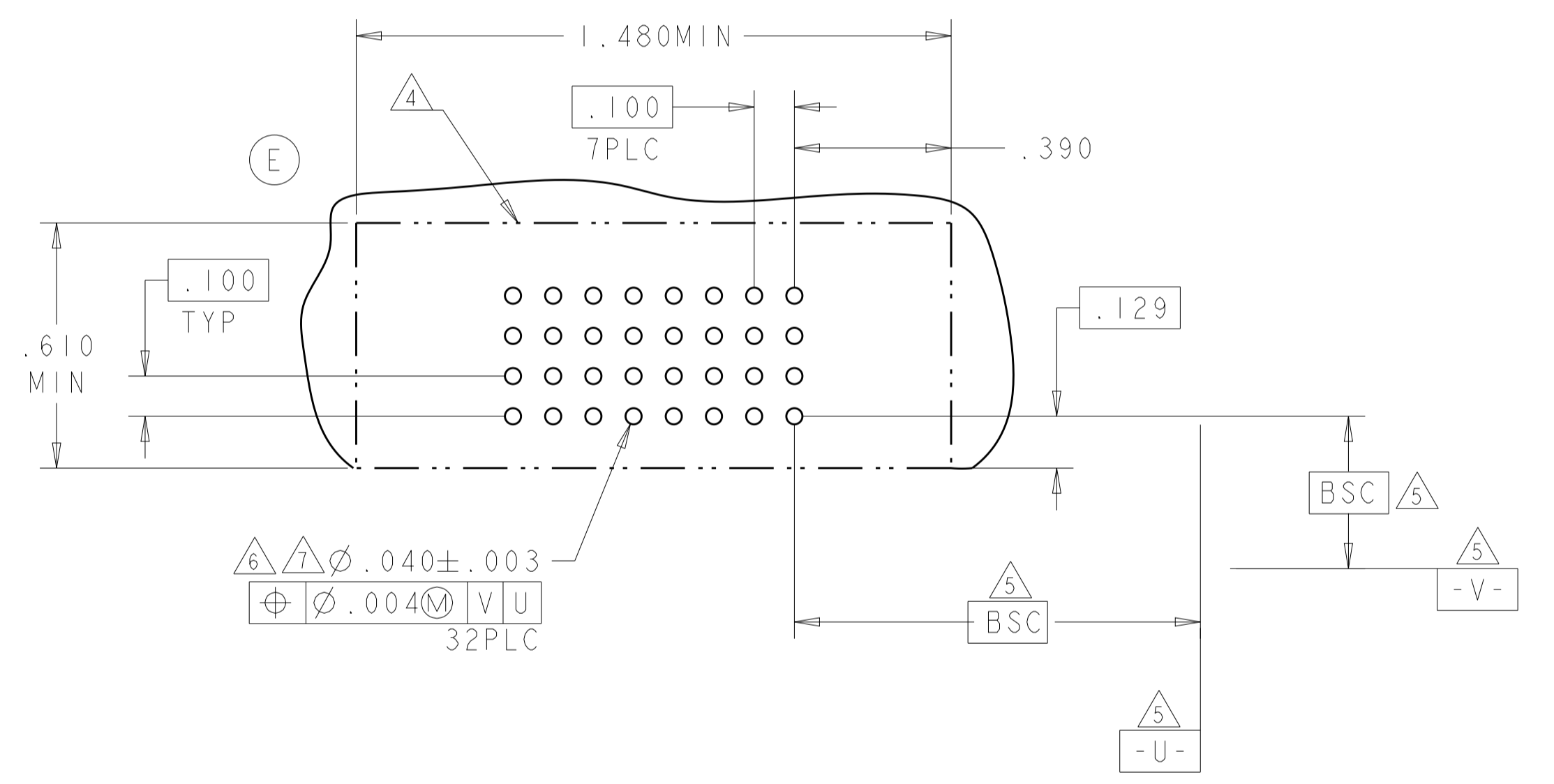
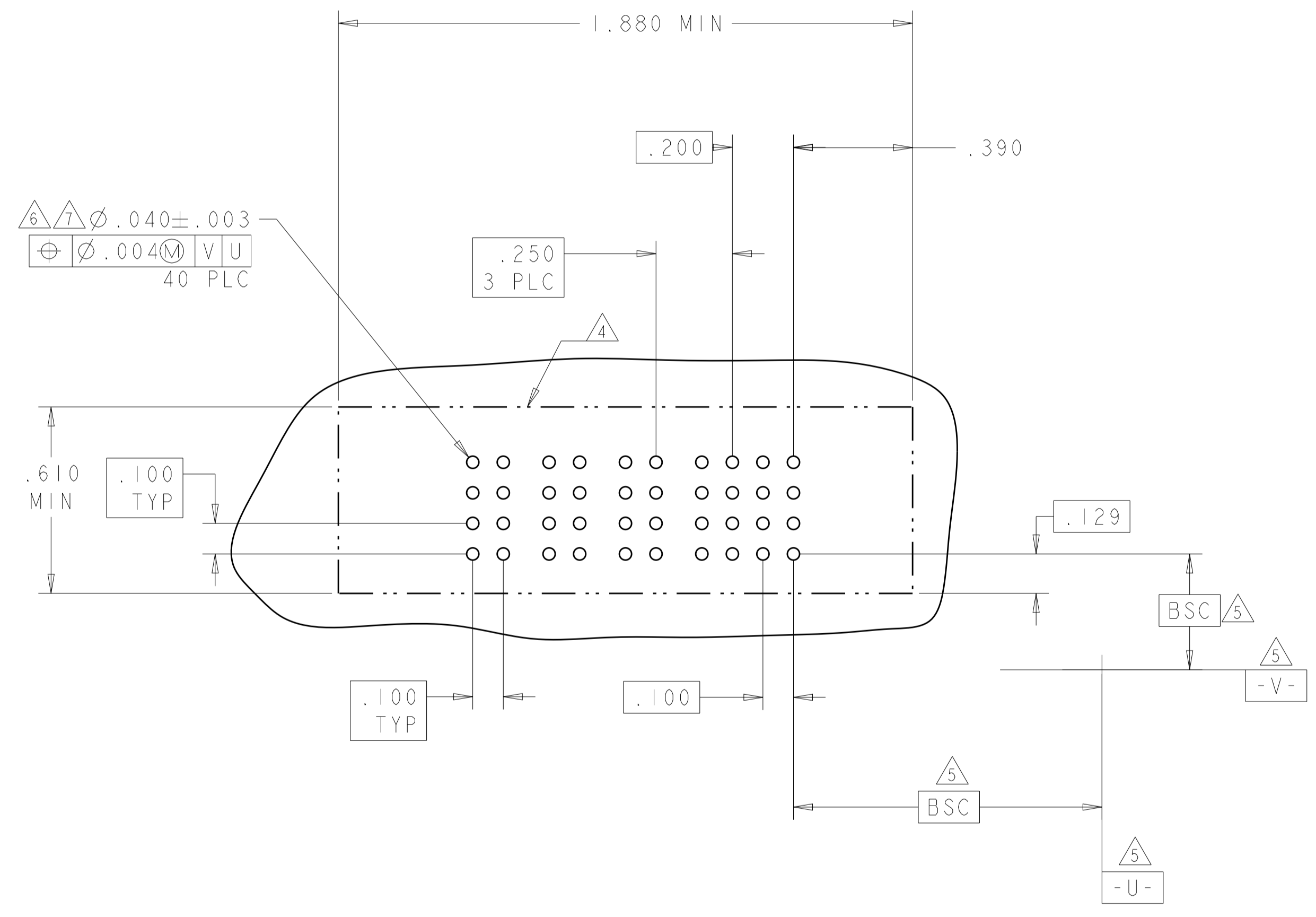
LOC		DIST		REVISONS				
P	LTN	DATE	DMN	APVD	DESCRIPTION	DATE	DMN	APVD
-	-	-	-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER				SIGNAL	
		P4	P3	P2	P1	2	1
2-6450541-2	D	GS	GS	GS	GS	AP	AP
	C					AP	AP
	B					AP	AP
	A					AP	AP

8S + 4P

PART NUMBER	ROWS	SIGNAL							
		8	7	6	5	4	3	2	1
2-6450541-4	D	AP	AP	AP	AP	AP	AP	AP	AP
	C	AP	AP	AP	AP	AP	AP	AP	AP
	B	AP	AP	AP	AP	AP	AP	AP	AP
	A	AP	AP	AP	AP	AP	AP	AP	AP

32S



THIS DRAWING IS A CONTROLLED DOCUMENT.

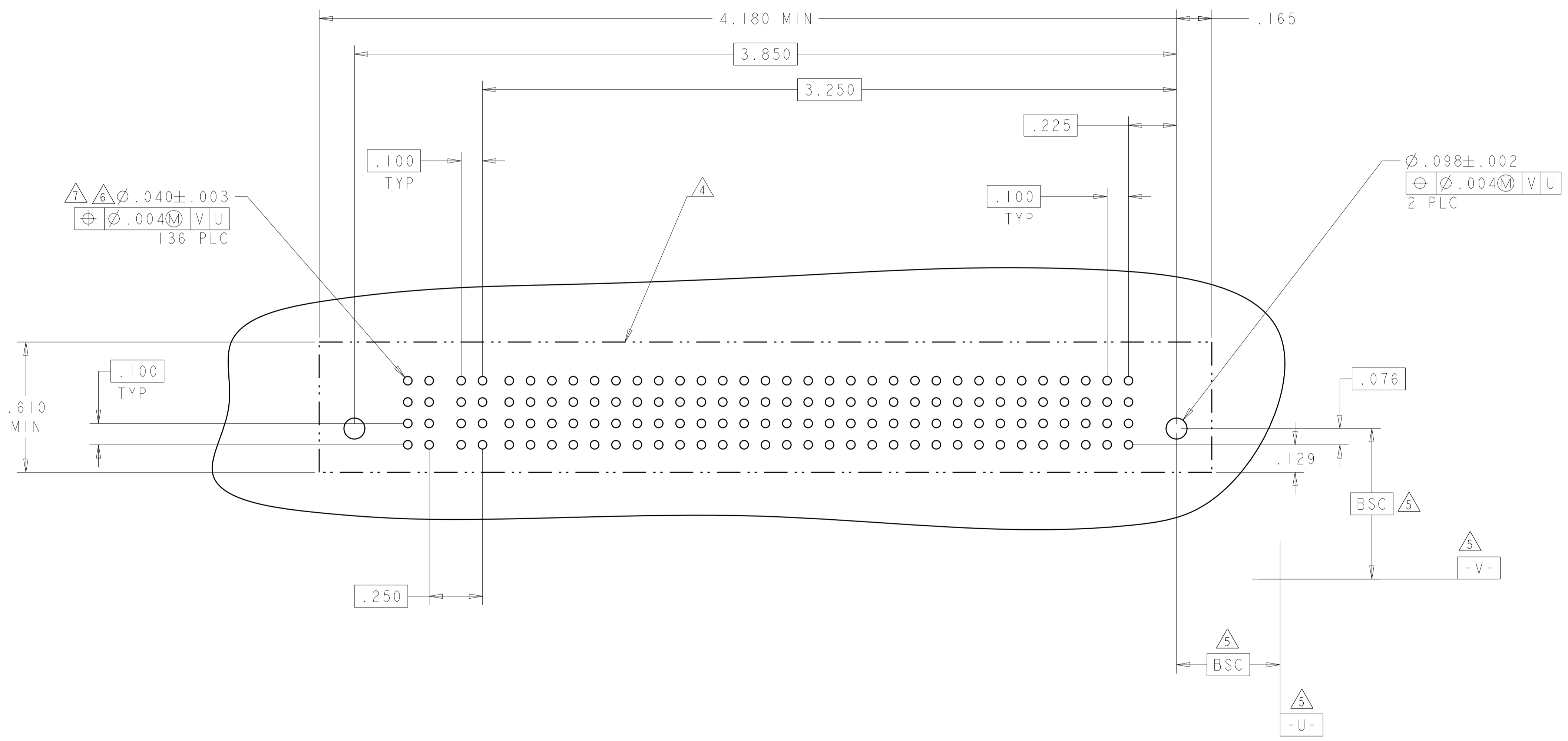
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN	R. GRZYBOWSKI	02MAY05
INCHES	0 PLC ± .01	CHK	M. PERCHERKE	02MAY05
	1 PLC ± .01	APVD	M. PERCHERKE	02MAY05
	2 PLC ± .01	NAME	VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL	
	3 PLC ± .005	PRODUCT SPEC	108-1973	
	4 PLC ± .002	APPLICATION SPEC	114-13038	
	ANGLES ± .020	SIZE	CAGE CODE	DRAWING NO
MATERIAL	FINISH	WEIGHT	A100779	C=6450541
		CUSTOMER DRAWING	SCALE	4:1 SHEET 10 OF 12 REV E.3

4805 (3/11)

LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS				
REV	DATE	BY	APPV	DESCRIPTION
-	-	-	-	SEE SHEET 1

ASSY PART NUMBER	ROWS	POWER		SIGNAL																																	
		P2	P1	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1				
2-6450541-3	D C B A	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	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
120S + 2P																																					

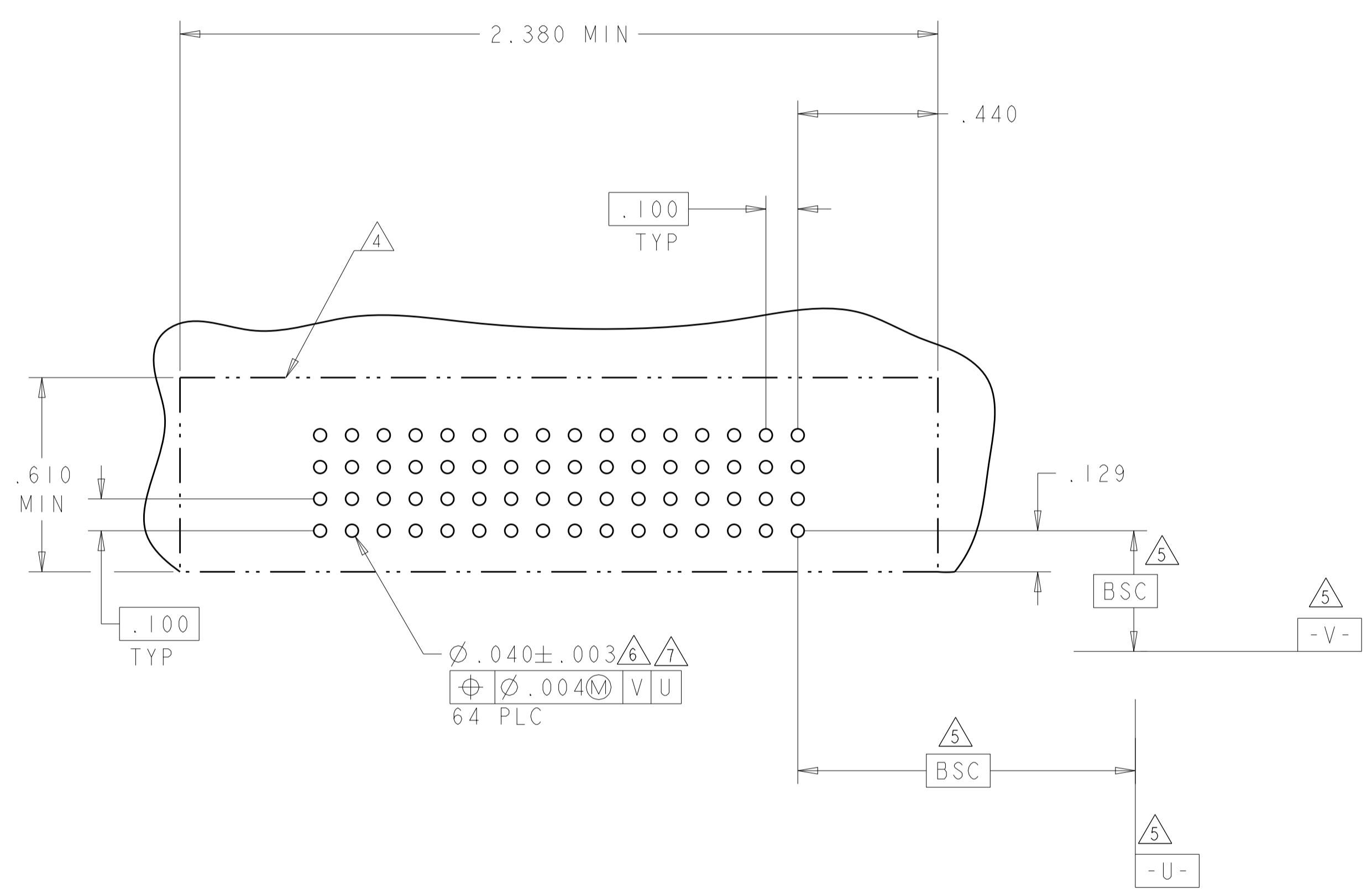


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: R. GRZYBOWSKI 02MAY05	 TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 02MAY05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCHERKE 02MAY05	
0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.2°		PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: -	
MATERIAL: -	FINISH: -	RESTRICTED TO: -	NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL SIZE: A100779 C=6450541 CUSTOMER DRAWING SCALE: 4:1 SHEET 11 OF 12 REV: E3

LOC		DIST		REVISIONS			
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
		-		SEE SHEET 1			

ASSY PART NUMBER	ROWS	SIGNAL															
		16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
2-6450541-5	D	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
	C	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
	B	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
	A	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
64S																	

E2



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: R. GRZYBOWSKI 02MAY05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 02MAY05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCHERKE 02MAY05	NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
0 PLC ±	1 PLC ±.01	PRODUCT SPEC: 108-1973	SIZE: A1
2 PLC ±.01	3 PLC ±.005	APPLICATION SPEC: 114-13038	CAGE CODE: 6450541
4 PLC ±.0020	ANGLES ±.2°	WEIGHT: -	RESTRICTED TO: -
MATERIAL: -	FINISH: -	CUSTOMER DRAWING	SCALE: 4:1 SHEET 12 OF 12 REV: E3