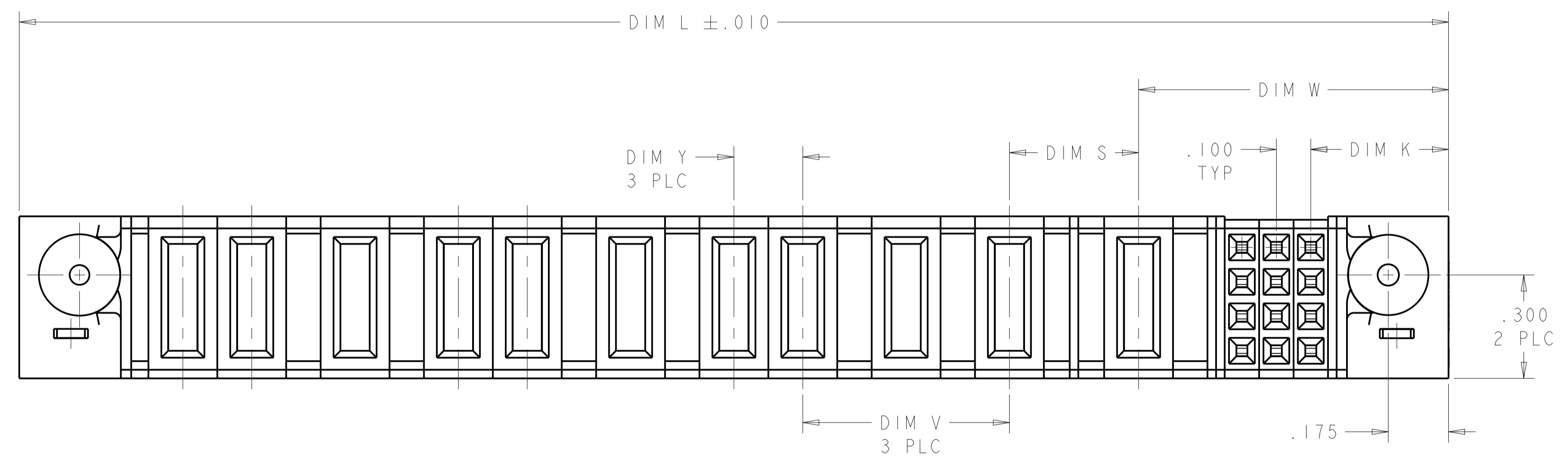
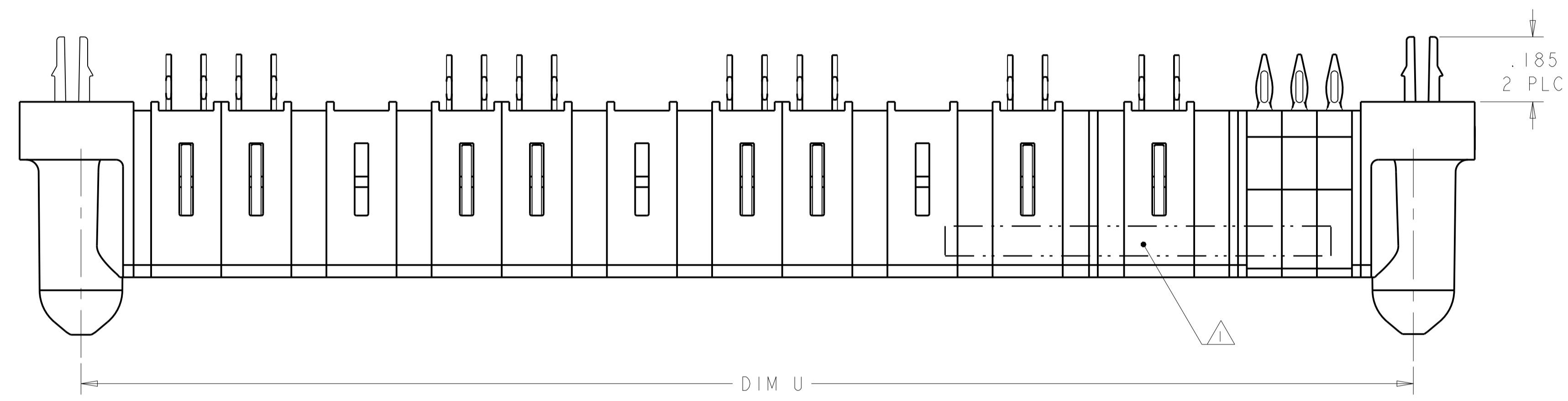
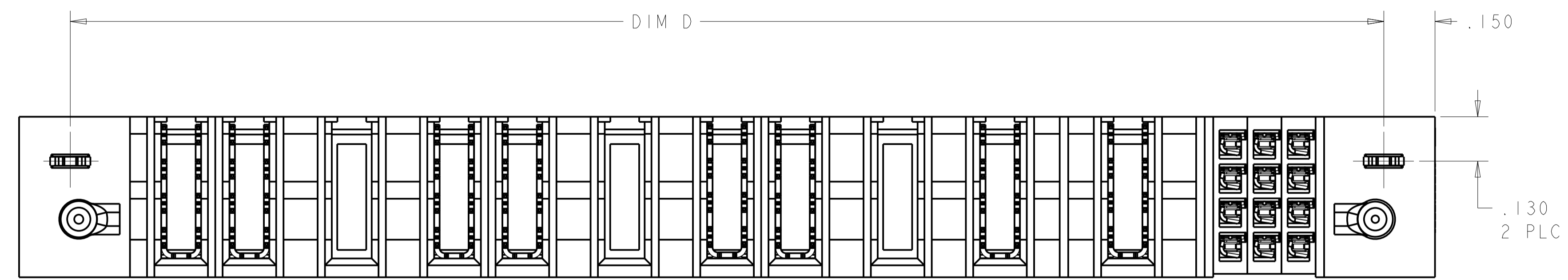
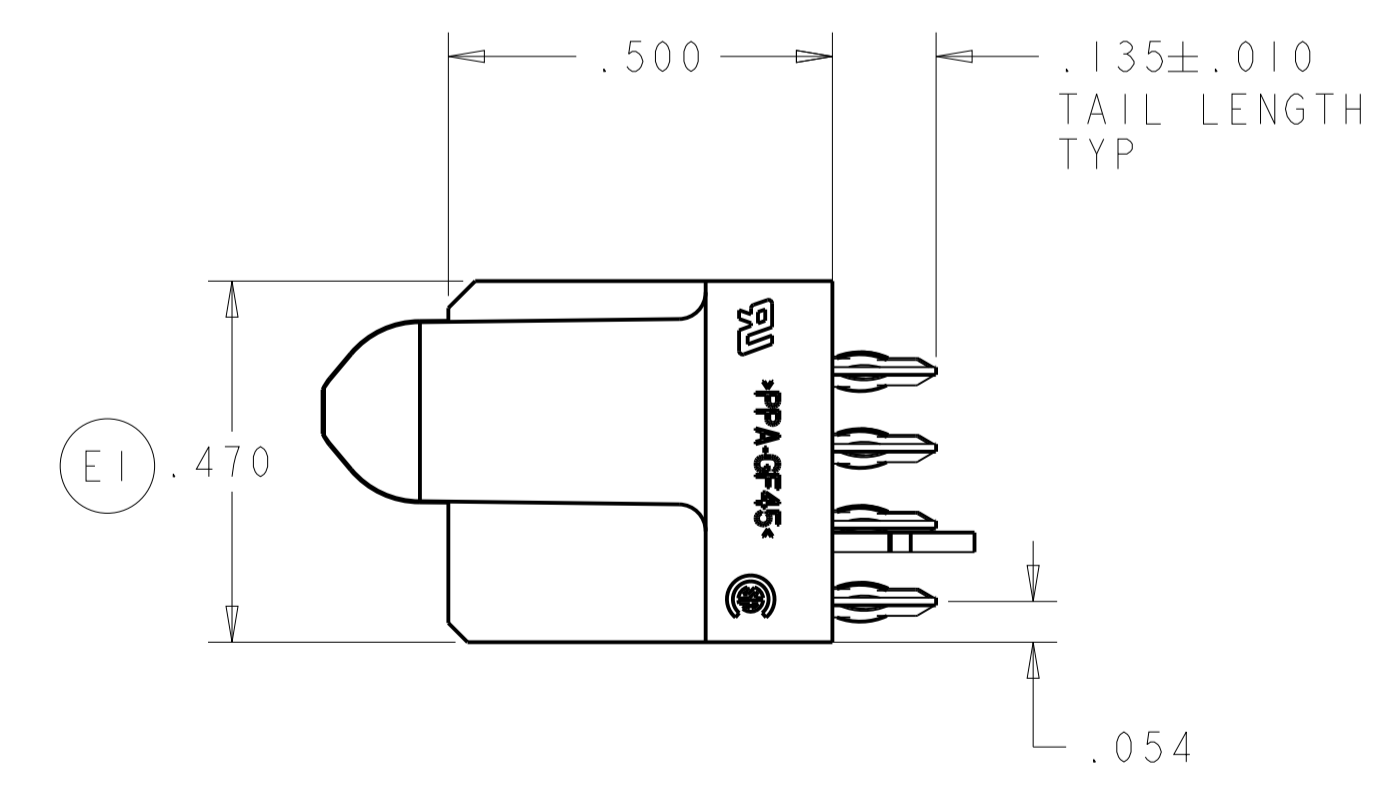


LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD		
GP	00						
E2		ADDED NEW DASH NUMBER 2-5	03MAY2012	CZ	SZ		
E3		REVISED	16FEB2013	ML	SZ		
E4		ADD NEW DASH NUMBER 2-6	09MAY2014	CZ	SZ		



- 1 "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-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


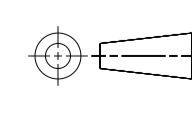


THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN R. GRZYBOWSKI 02MAY05	TE Connectivity										
DIMENSIONS: INCHES		CHK M. PERCHERKE 02MAY05											
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE 02MAY05	NAME VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL										
<table border="1"> <tr> <td>0 PLC</td> <td>±.</td> </tr> <tr> <td>2 PLC</td> <td>±.01</td> </tr> <tr> <td>3 PLC</td> <td>±.005</td> </tr> <tr> <td>4 PLC</td> <td>±.0020</td> </tr> <tr> <td>ANGLES</td> <td>±.020</td> </tr> </table>		0 PLC	±.	2 PLC	±.01	3 PLC	±.005	4 PLC	±.0020	ANGLES	±.020	PRODUCT SPEC 108-1973	SIZE A1
0 PLC	±.												
2 PLC	±.01												
3 PLC	±.005												
4 PLC	±.0020												
ANGLES	±.020												
MATERIAL		APPLICATION SPEC 114-13038	CAGE CODE DRAWING NO 00779										
FINISH		WEIGHT	RESTRICTED TO										
CUSTOMER DRAWING		SCALE 4:1	SHEET 1 OF 12										

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 © COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

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

E4	-	-	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

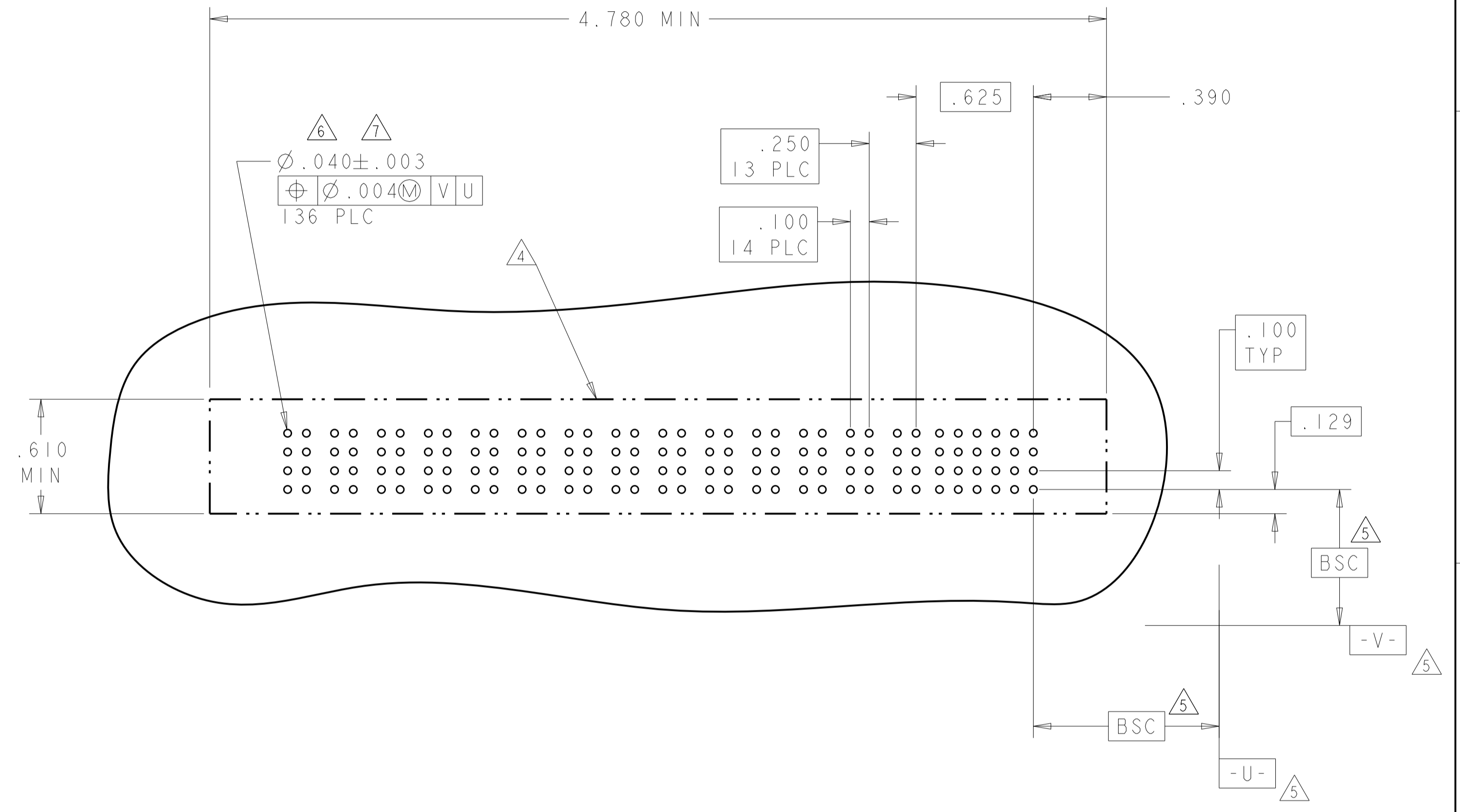
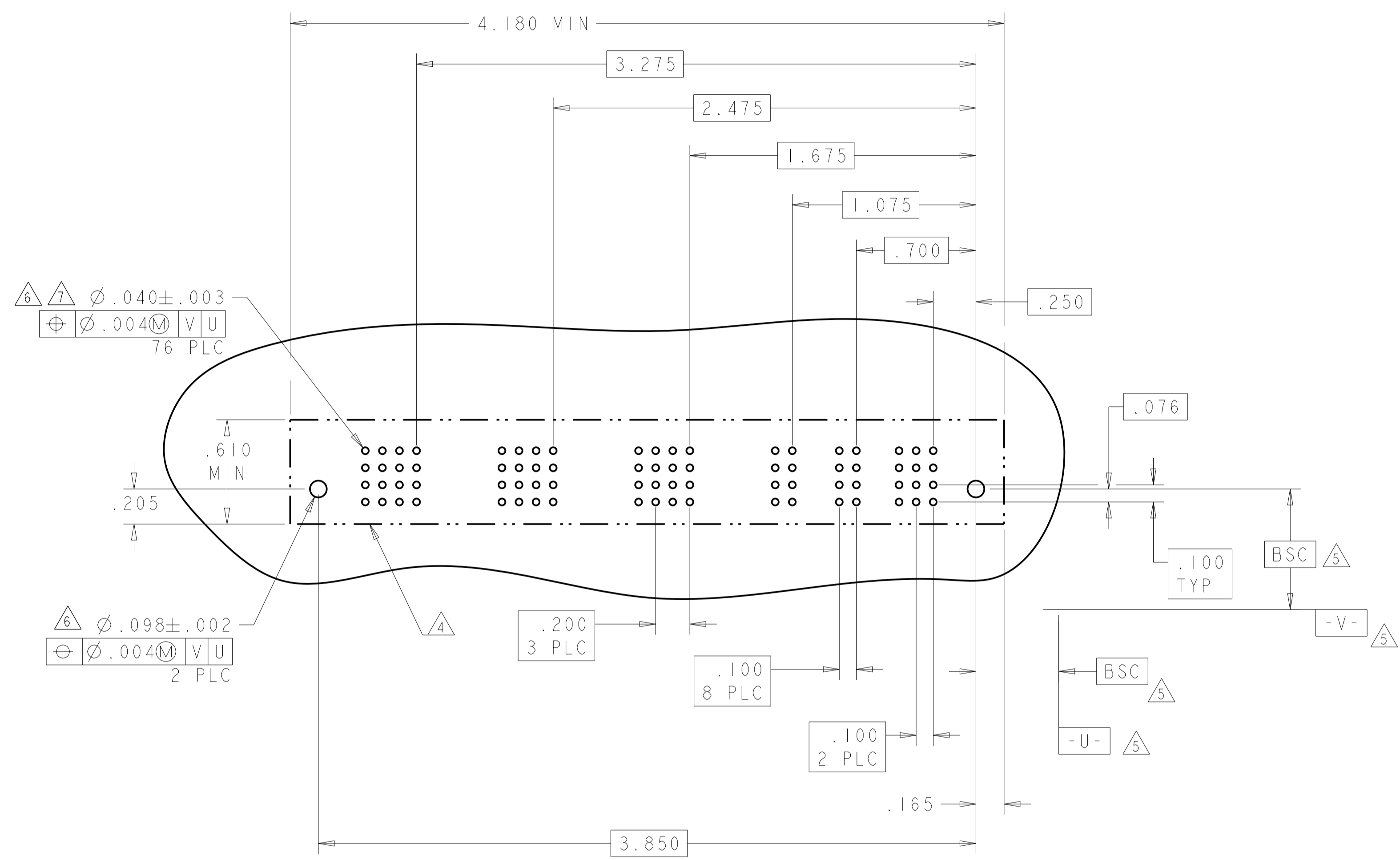
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 02MAY05	 TE Connectivity
DIMENSIONS: INCHES		CHK M. PERCHERKE 02MAY05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE 02MAY05	NAME VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.020		PRODUCT SPEC 108-1973	SIZE A1
		APPLICATION SPEC 114-13038	CAGE CODE 6450541
MATERIAL		WEIGHT	RESTRICTED TO
FINISH		CUSTOMER DRAWING	SCALE 4:1 SHEET 2 OF 12 REV E4

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	OWN	APVD
GP	00	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

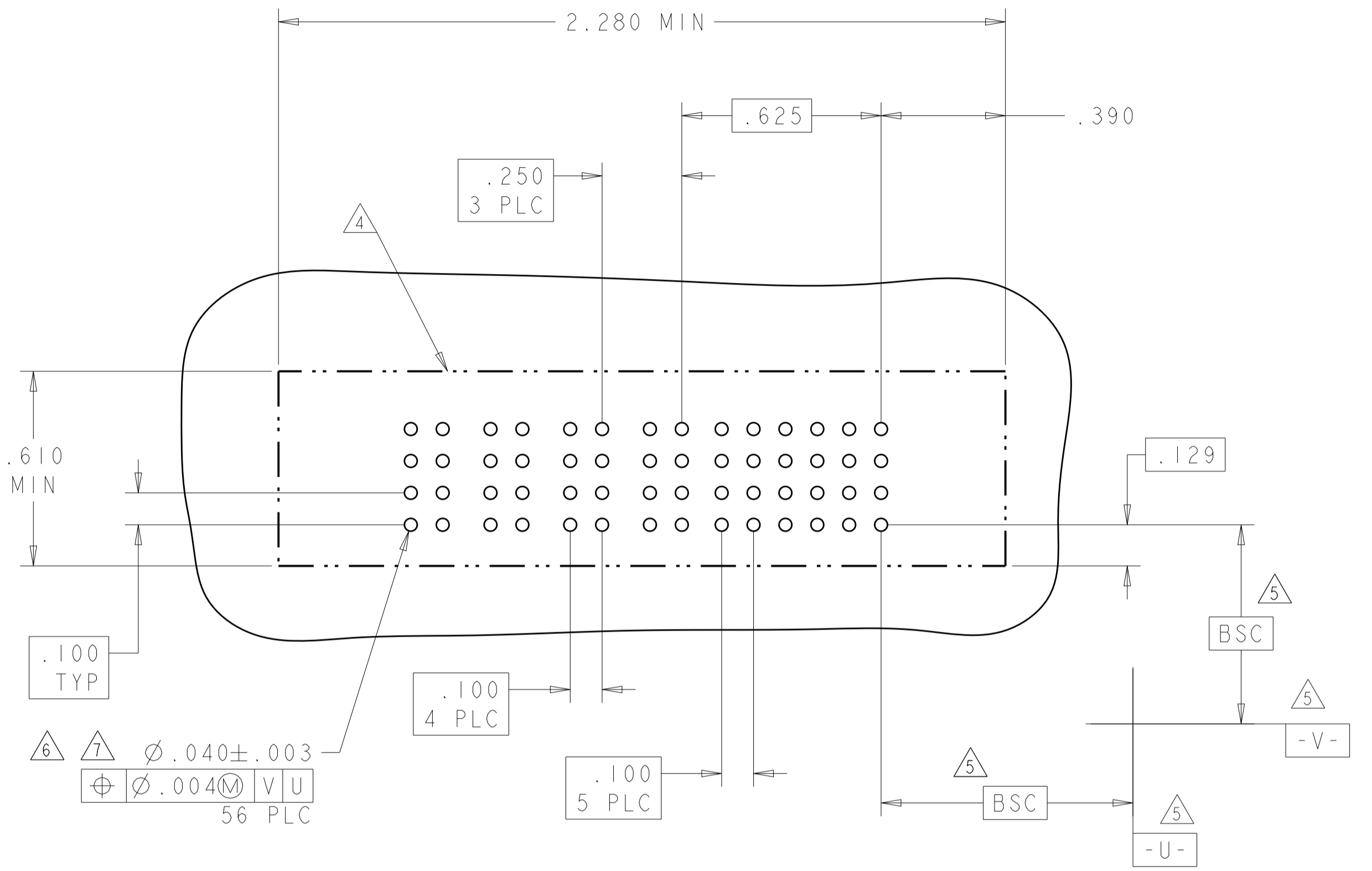
CONTACT TABLE

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	SIZE: CAGE CODE DRAWING NO
4 PLC ± .002		RESTRICTED TO	A100779C=6450541
ANGLES ± .020		WEIGHT	SCALE 4:1 SHEET 3 OF 12 REV E4
FINISH		CUSTOMER DRAWING	

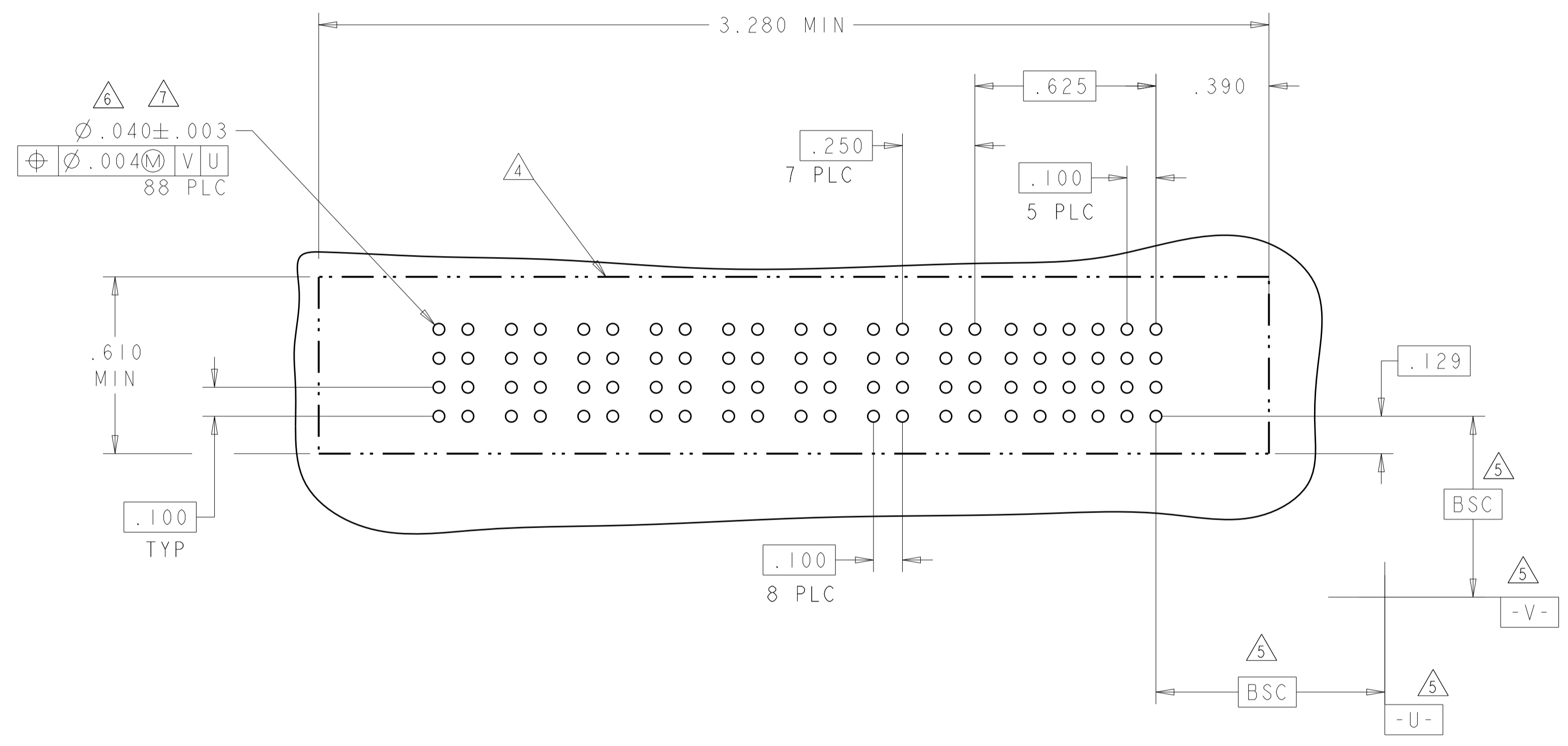
LOC	DIST	REV	DATE	BY	APPV
GP	00				

REVISIONS		DATE	BY	APPV
1	SEE SHEET 1			

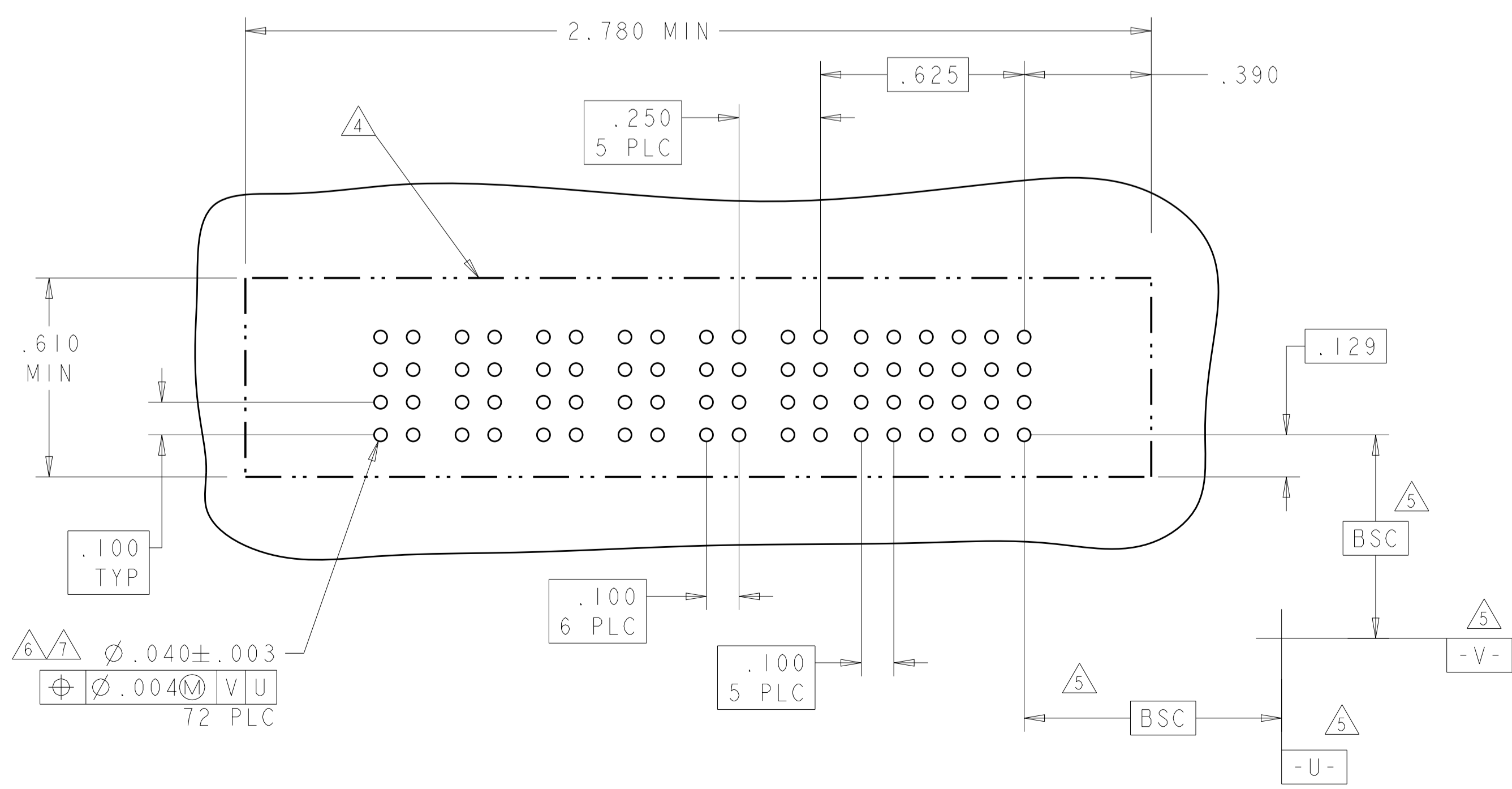
ASSY PART NUMBER	ROWS	POWER				SIGNAL						
		P4	P3	P2	PI	6	5	4	3	2	1	
6450541-3	D C B A	GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
		GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	AP
24S + 4P												



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
		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. OWN: R. GRZYBOWSKI 02MAY05
 CHK: M. PERCZERKE 02MAY05
 APVD: M. PERCZERKE 02MAY05

STE TE Connectivity

NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL

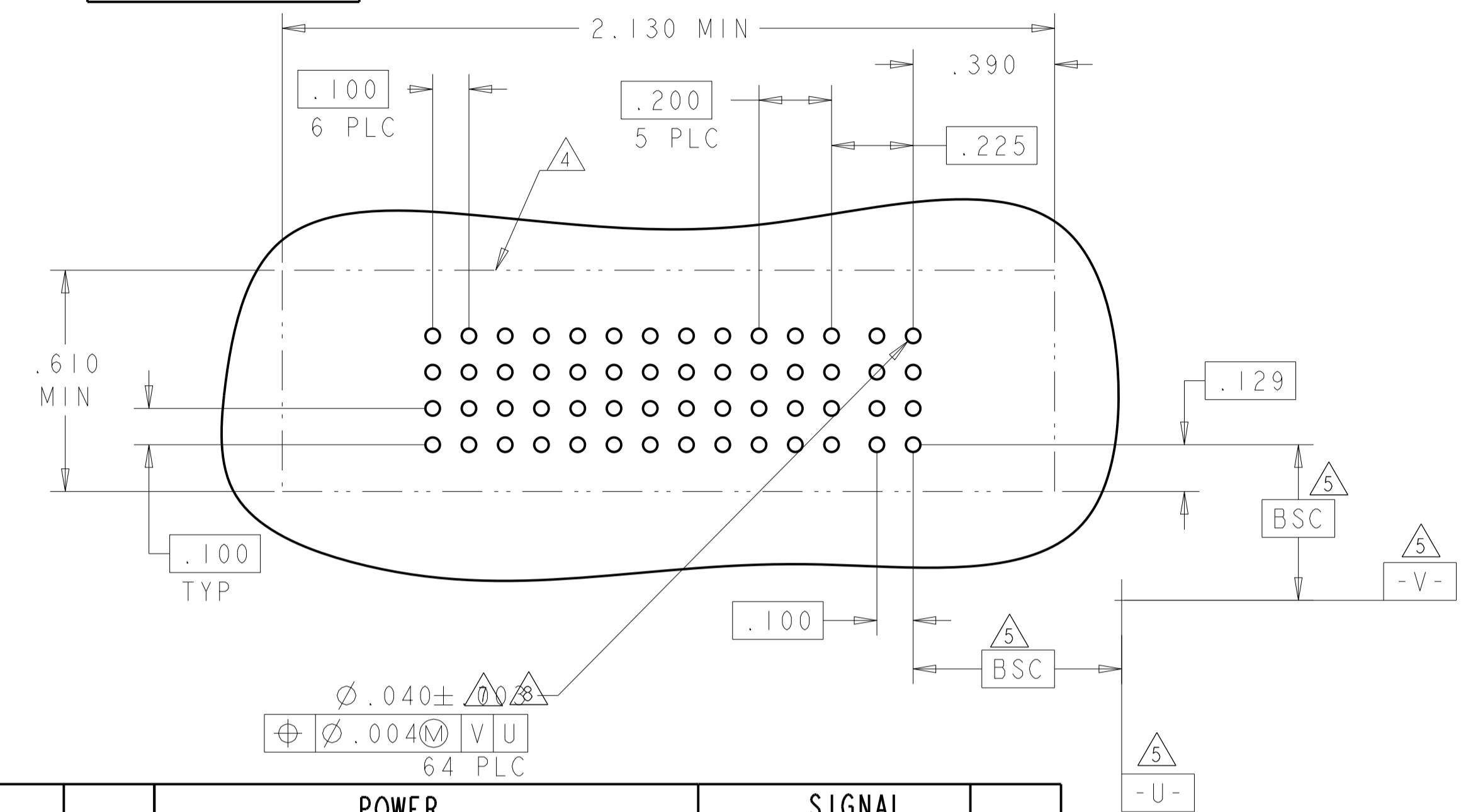
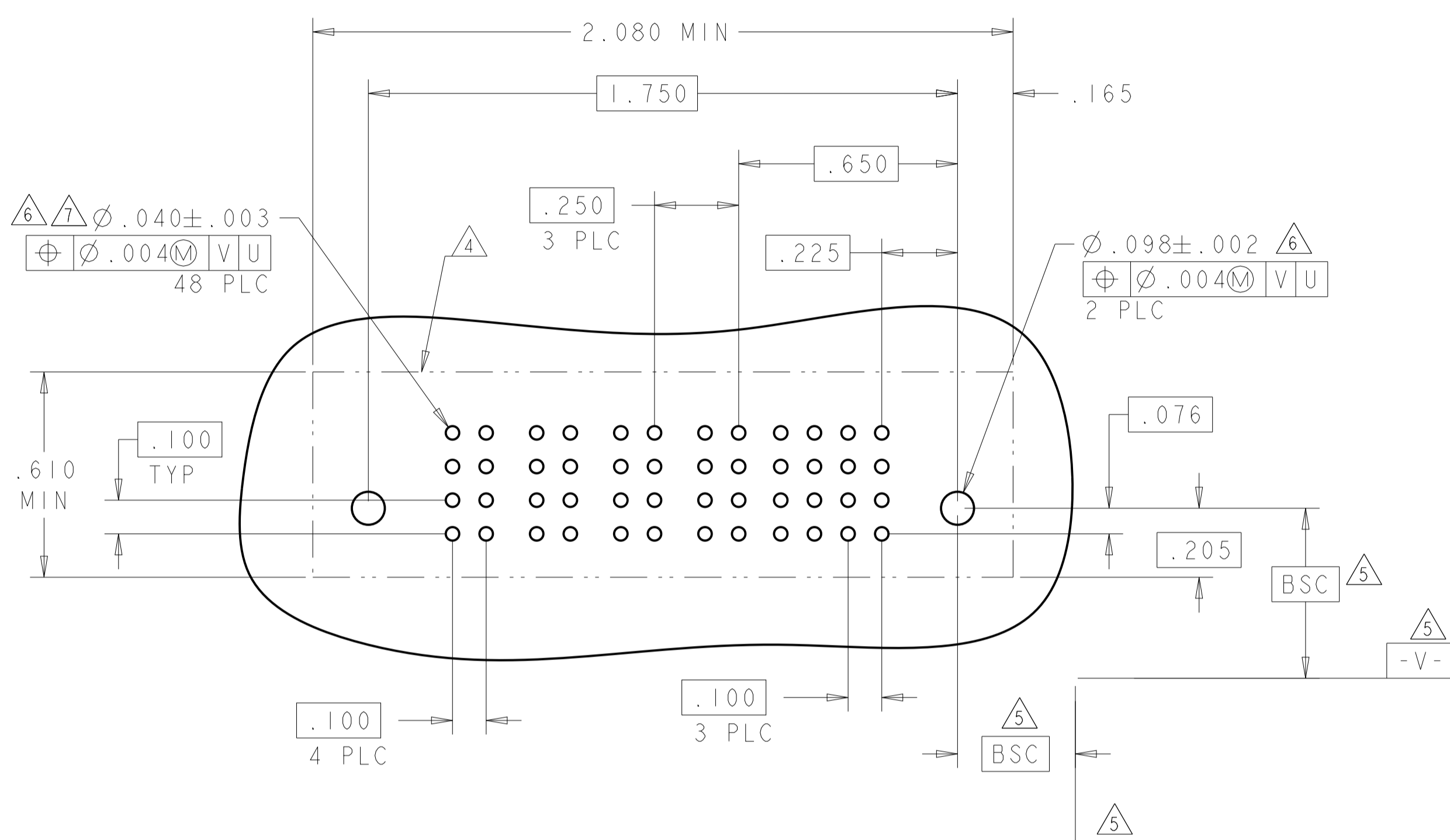
PRODUCT SPEC: 108-1973
 APPLICATION SPEC: 114-13038

SIZE: A1 00779 C=6450541
 WEIGHT: -

CUSTOMER DRAWING SCALE: 4:1 SHEET: 4 OF 12 REV: E4

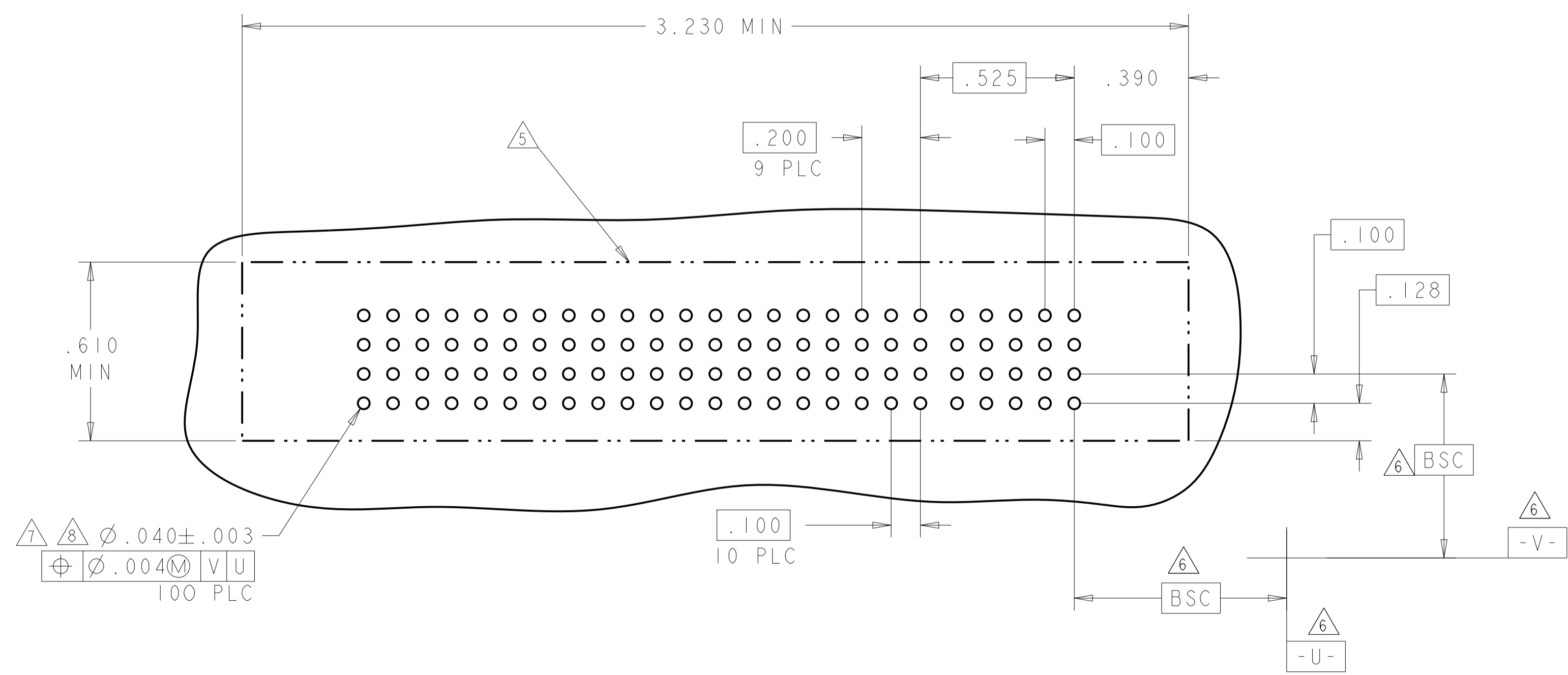
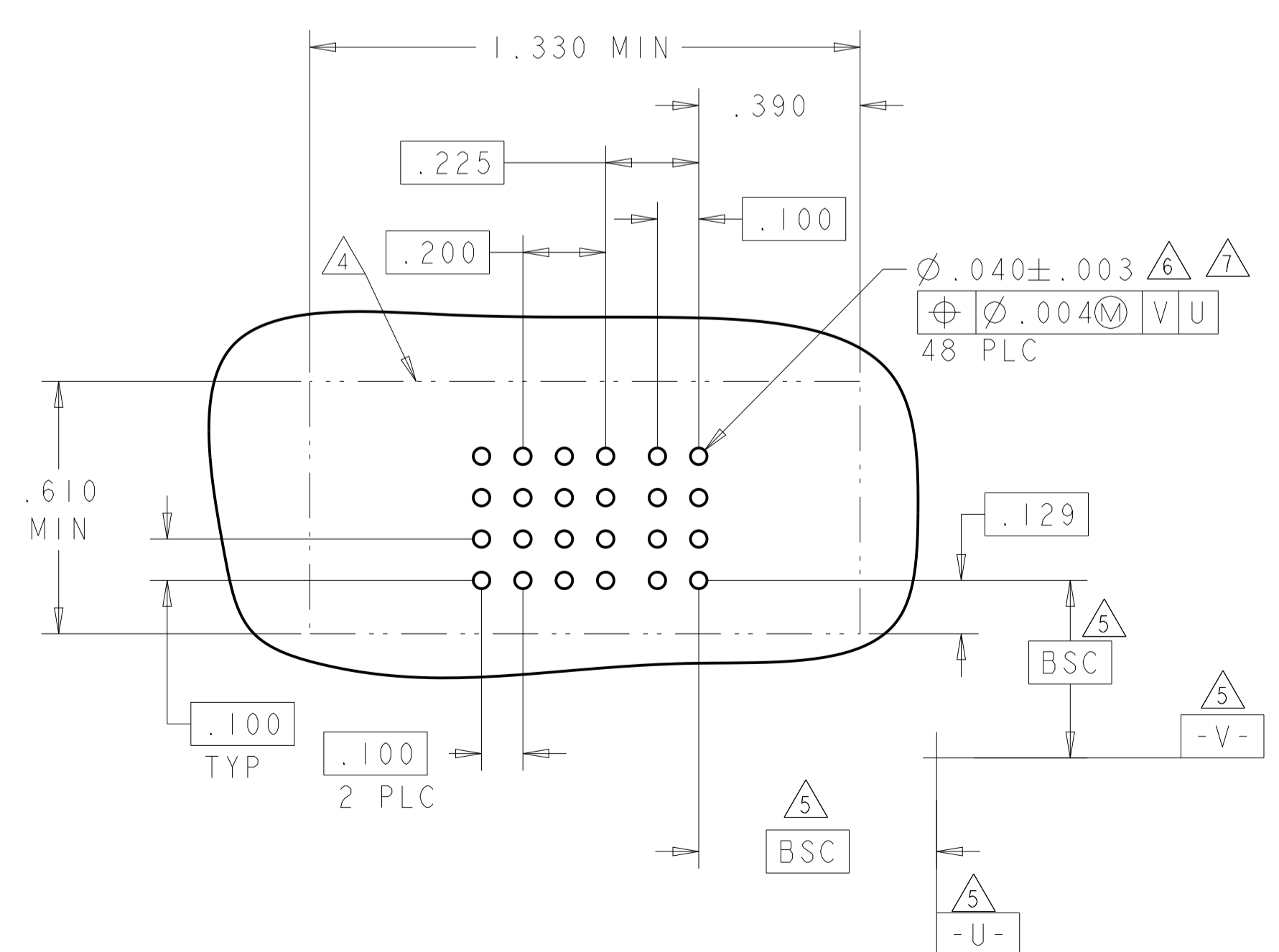
PART NUMBER	ROWS	POWER				SIGNAL			
		P4	P3	P2	P1	4	3	2	1
1-6450541-2	D C B A	GS	GS	GS	GS	AP	AP	AP	AP
						AP	AP	AP	AP
						AP	AP	AP	AP
						AP	AP	AP	AP
16S + 4P									

PART NUMBER	ROWS	POWER						SIGNAL	
		P6	P5	P4	P3	P2	P1	2	1
1-6450541-4	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
1-6450541-3	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																				



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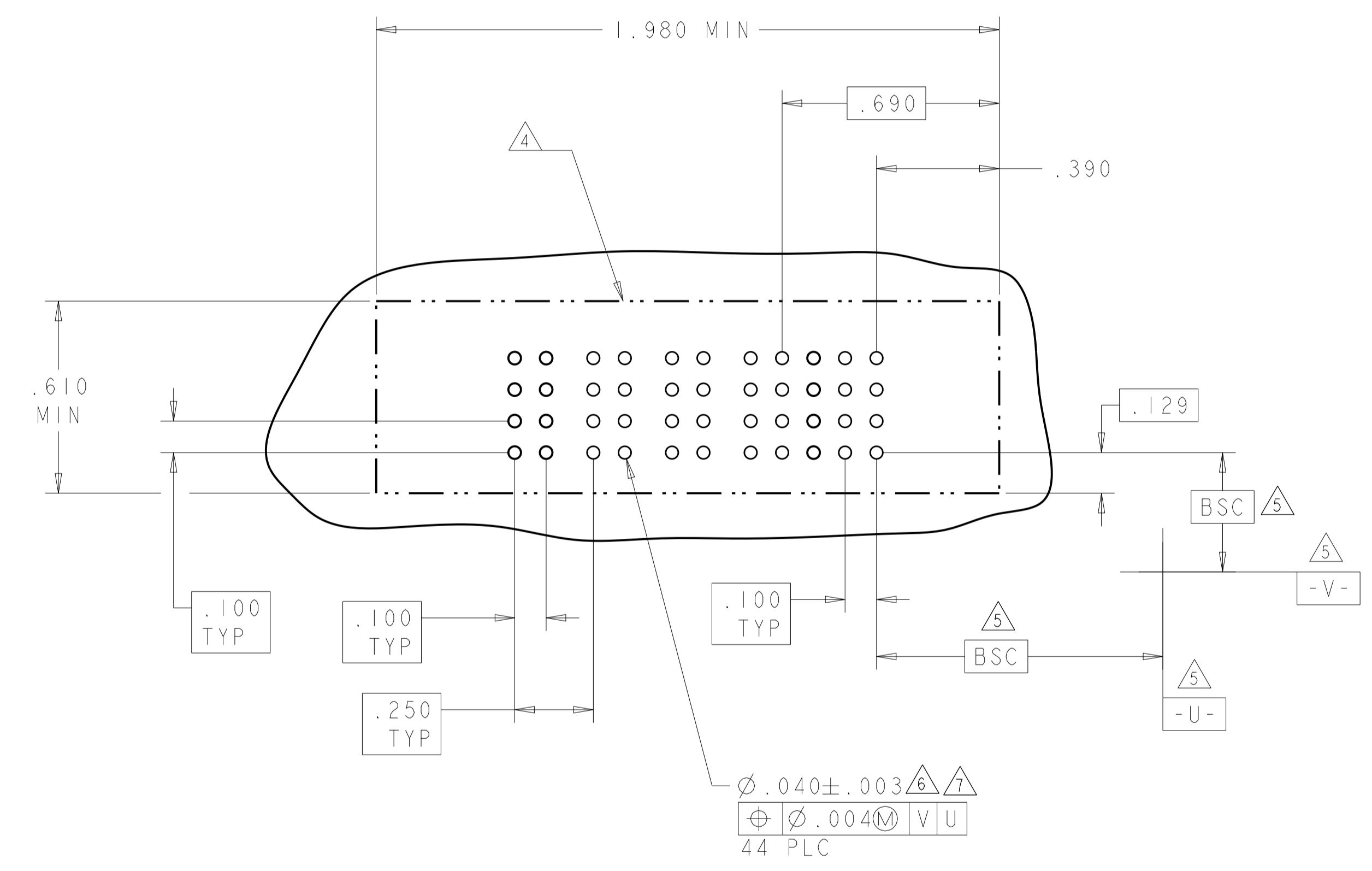
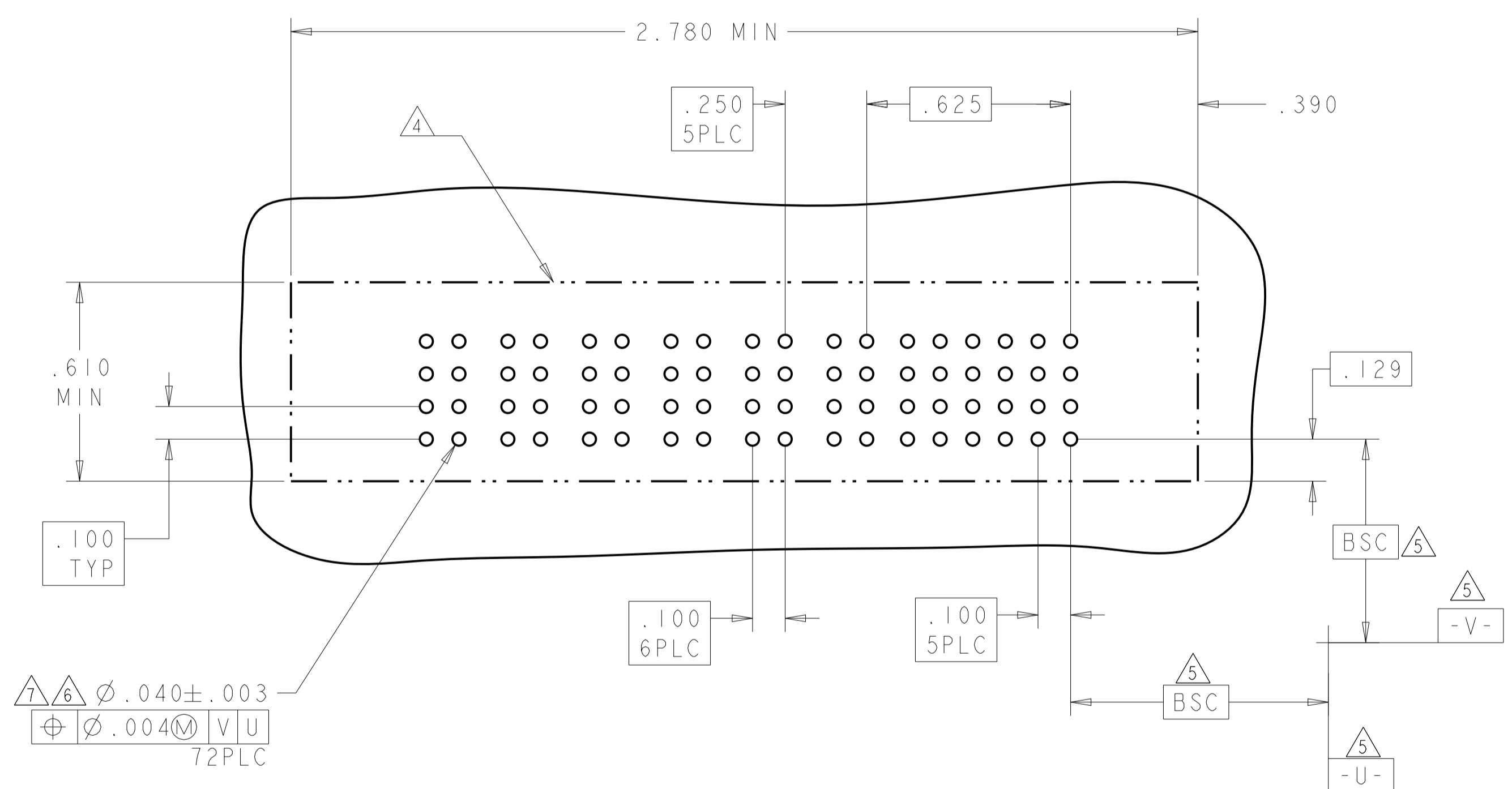
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN: R. GRZYBOWSKI 02MAY05	CHK: M. PERCHERKE 02MAY05	APV: M. PERCHERKE 02MAY05	NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
INCHES	0 PLC ± .01 1 PLC ± .01 2 PLC ± .01 3 PLC ± .01 4 PLC ± .01 ANGLES ± .0020	PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038	WEIGHT: -	SIZE: A1
MATERIAL:	FINISH:	CAGE CODE: 6450541	DRAWING NO: 100779	SCALE: 4:1	SHEET 5 OF 12

STE TE Connectivity

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DWN	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
24S + 6P								AP	AP	AP	AP	AP	AP

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
12S + 4P						AP	AP	AP



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: B. 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 CAGE CODE: 6450541 DRAWING NO: 100779

RESTRICTED TO: -

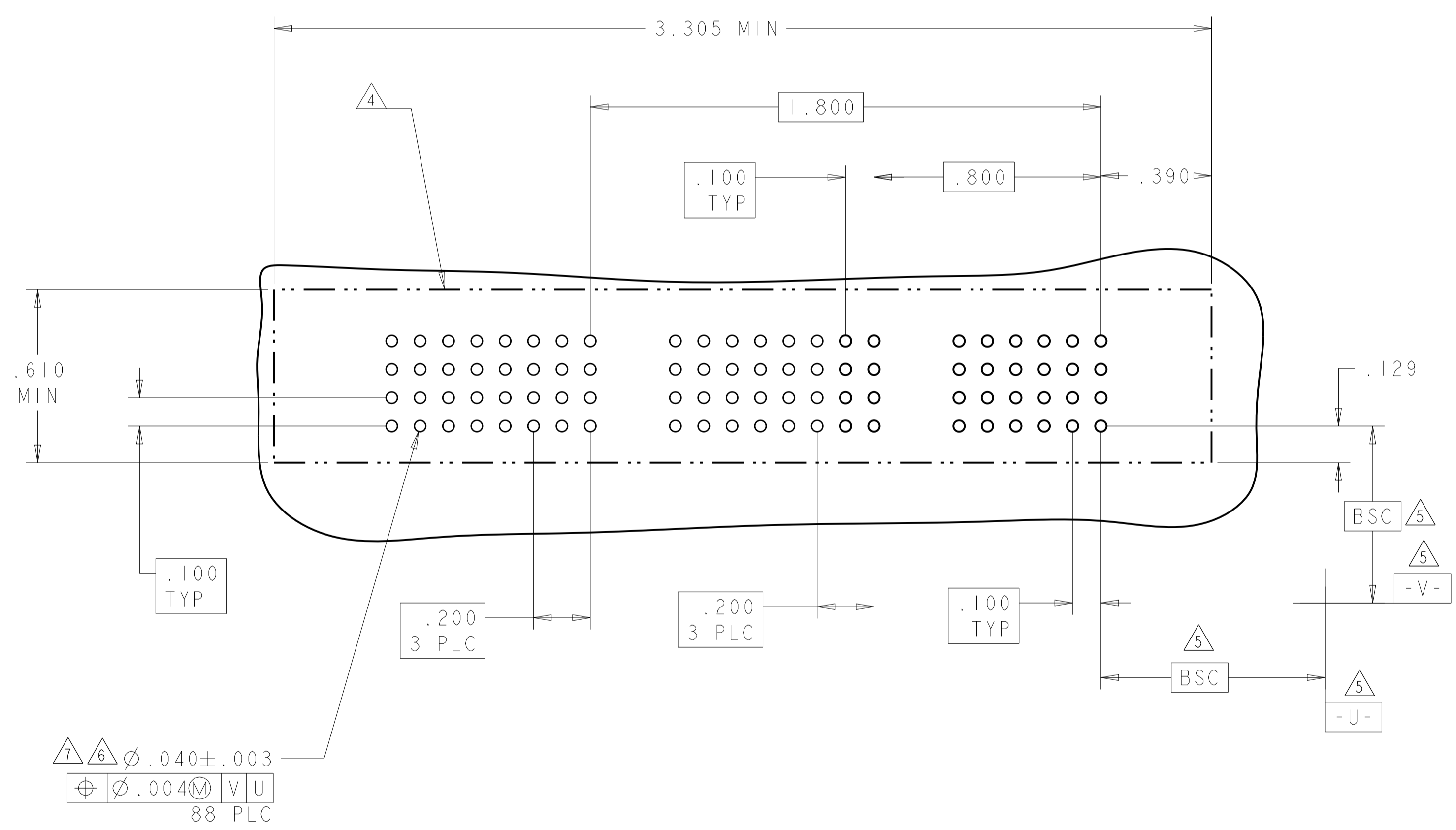
MATERIAL: - FINISH: - WEIGHT: -

CUSTOMER DRAWING SCALE: 4:1 SHEET: 6 OF 12 REV: E4

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																			

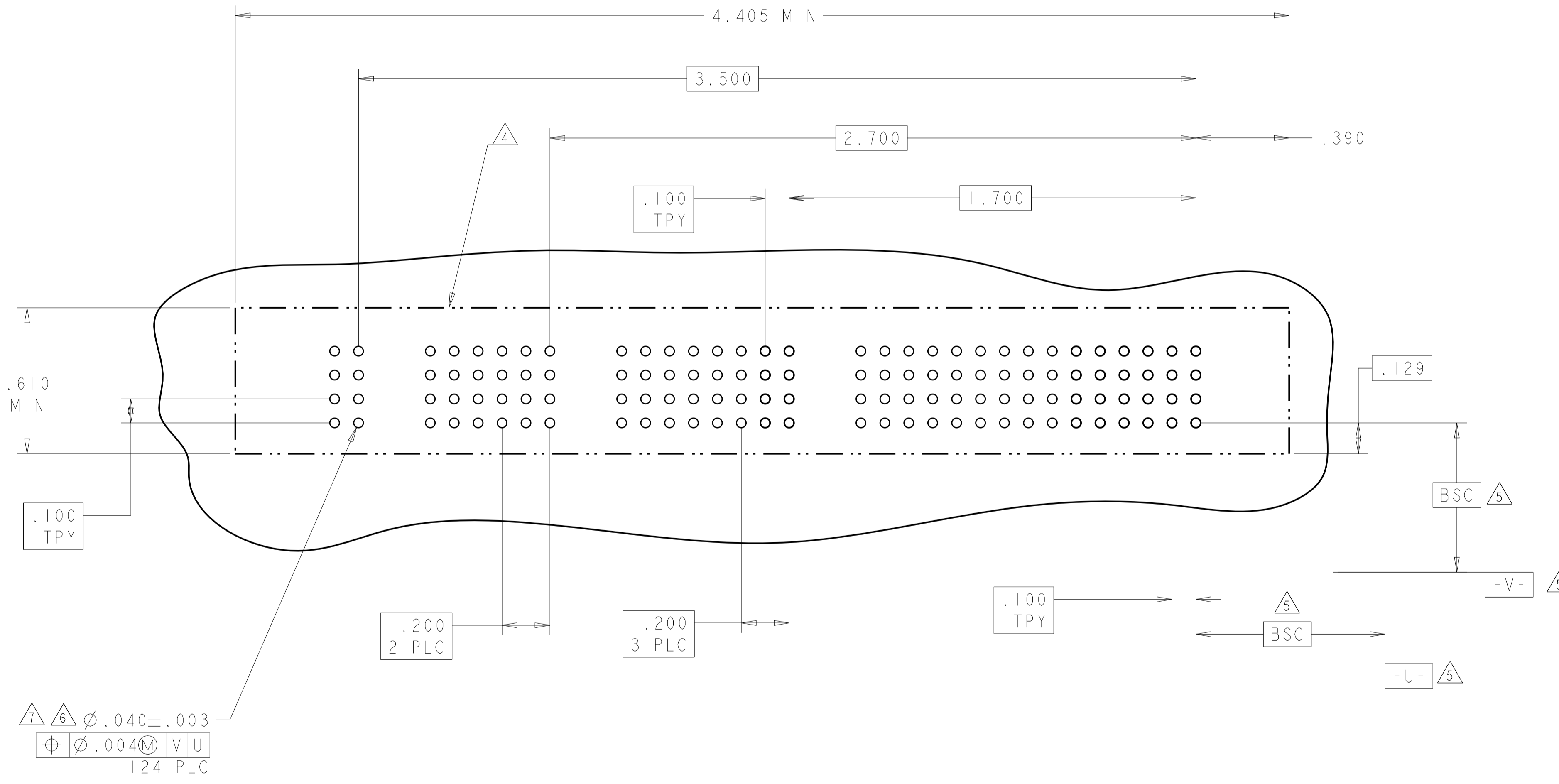
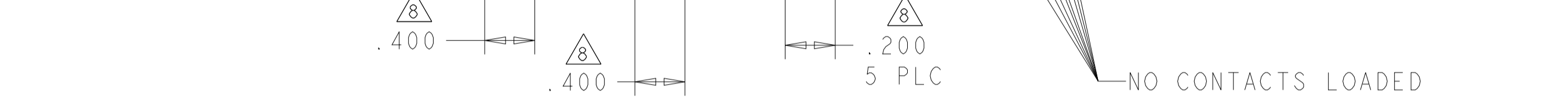
NO CONTACTS LOADED



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: B. GRZYBOWSKI 02MAY05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 02MAY05	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°		APVD: M. PERCHERKE 02MAY05	NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
MATERIAL: -		FINISH: -	RESTRICTED TO: -
CUSTOMER DRAWING		SCALE: 4:1	SHEET 7 OF 12 REV: E4

LOC		DIST		REVISIONS			
GP	00	REV	DATE	BY	CHK	APPV	DATE
-	-	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
		GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP



$\triangle \triangle \phi .040 \pm .003$
 $\oplus \phi .004 \text{ V U}$
 124 PLC

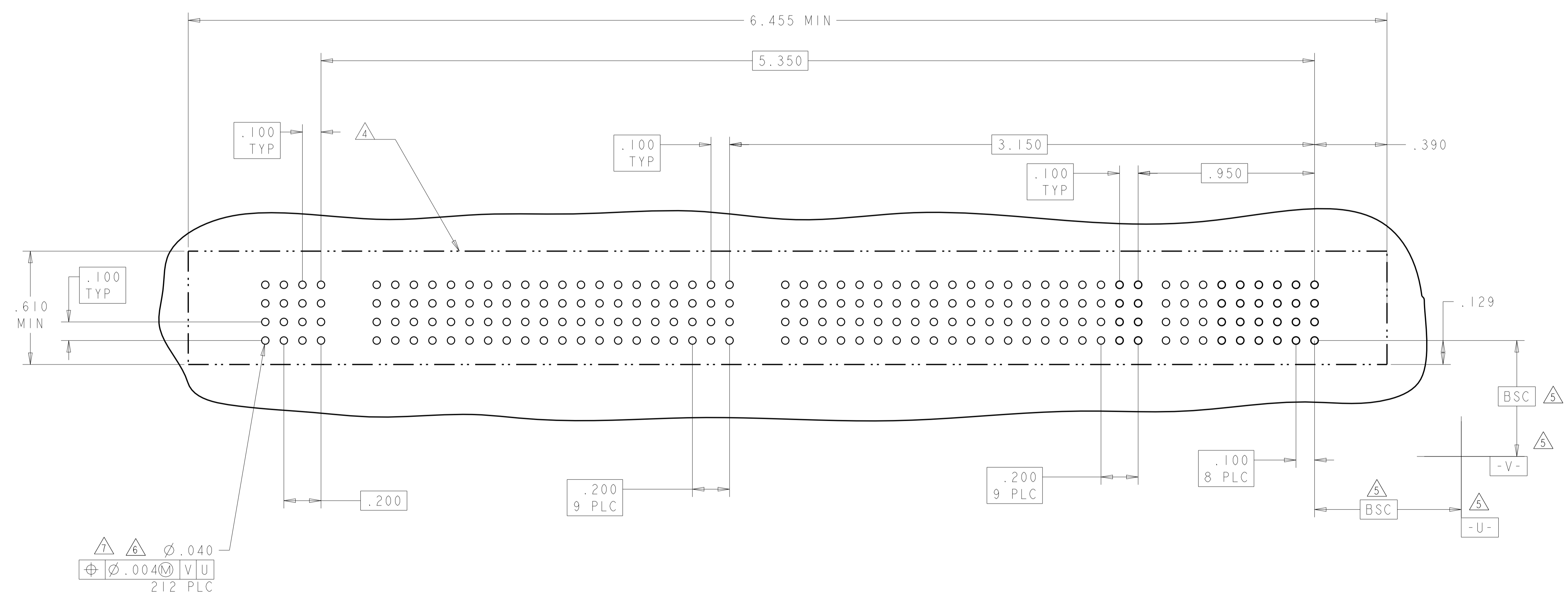
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. GRZYBOWSKI	02MAY05	TE Connectivity
DIMENSIONS: INCHES		CHK M. PERCHERKE	02MAY05	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.020		APVD M. PERCHERKE	02MAY05	NAME VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
MATERIAL		PRODUCT SPEC 108-1973	APPLICATION SPEC 114-13038	SIZE A100779
FINISH		WEIGHT	CAGE CODE 6450541	RESTRICTED TO
CUSTOMER DRAWING		SCALE 4:1	SHEET 8	OF 12
		REV E	4	

LOC	DIST	REVISIONS			
P	LTN	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	GP	GP	GS	GS	GS	GS	GS	GS	GS	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
36S + 24P																																				

NO CONTACTS LOADED

NO CONTACTS LOADED



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 CAGE CODE: 6450541 DRAWING NO: 100779

RESTRICTED TO: -

MATERIAL: - FINISH: - WEIGHT: -

CUSTOMER DRAWING SCALE: 4:1 SHEET: 9 OF 12 REV: E4

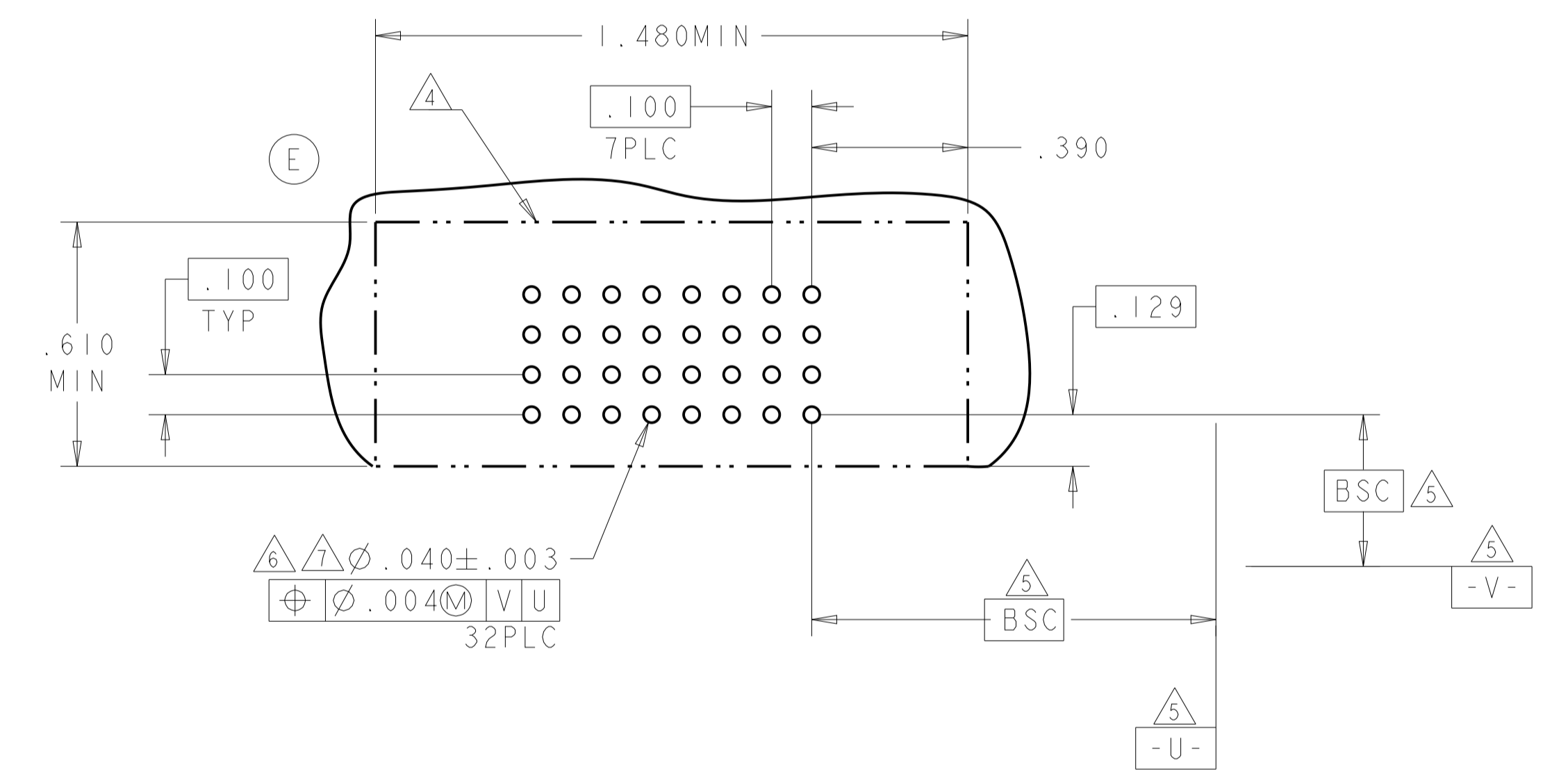
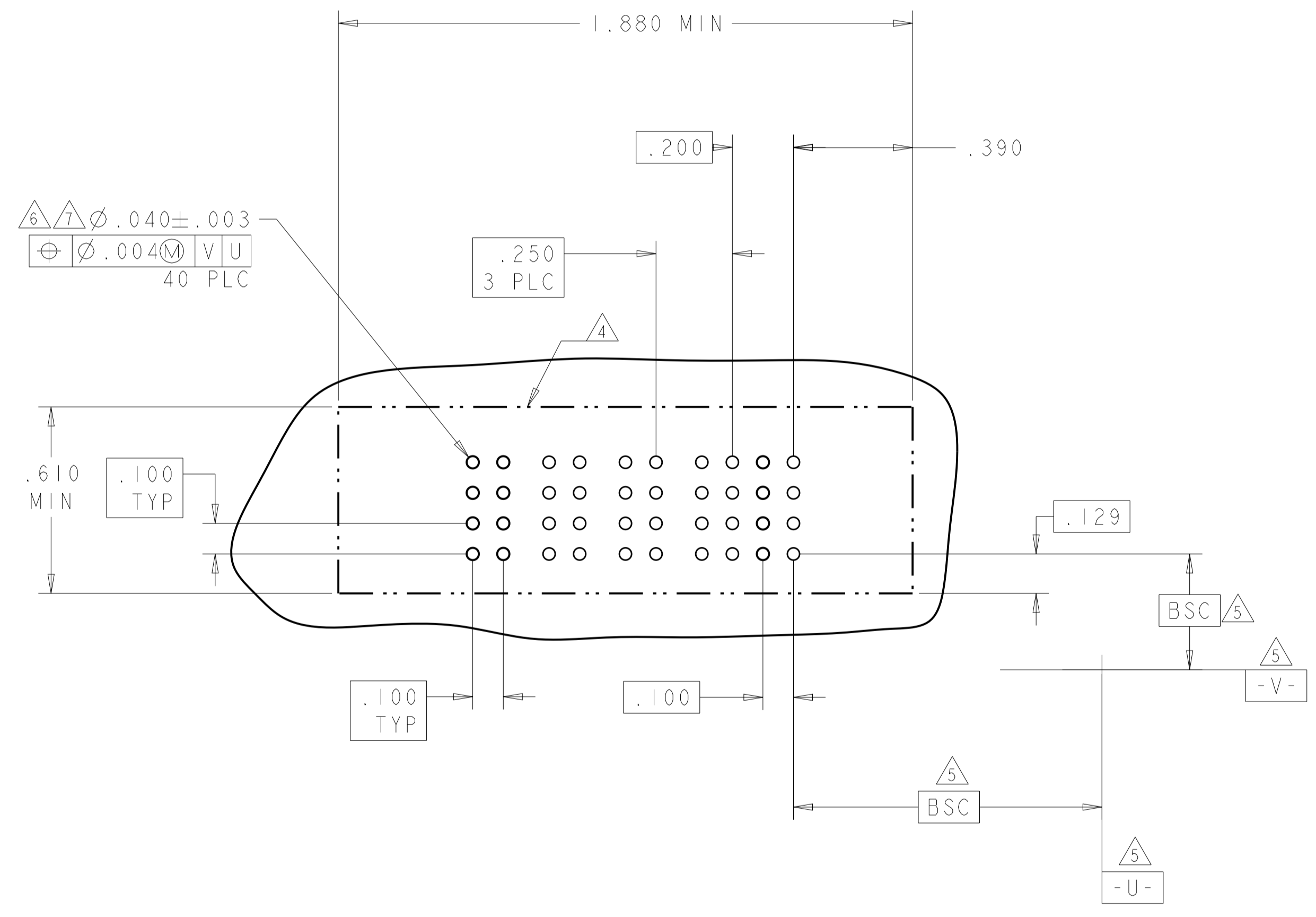
LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	SEE SHEET 1	-	-	-

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.

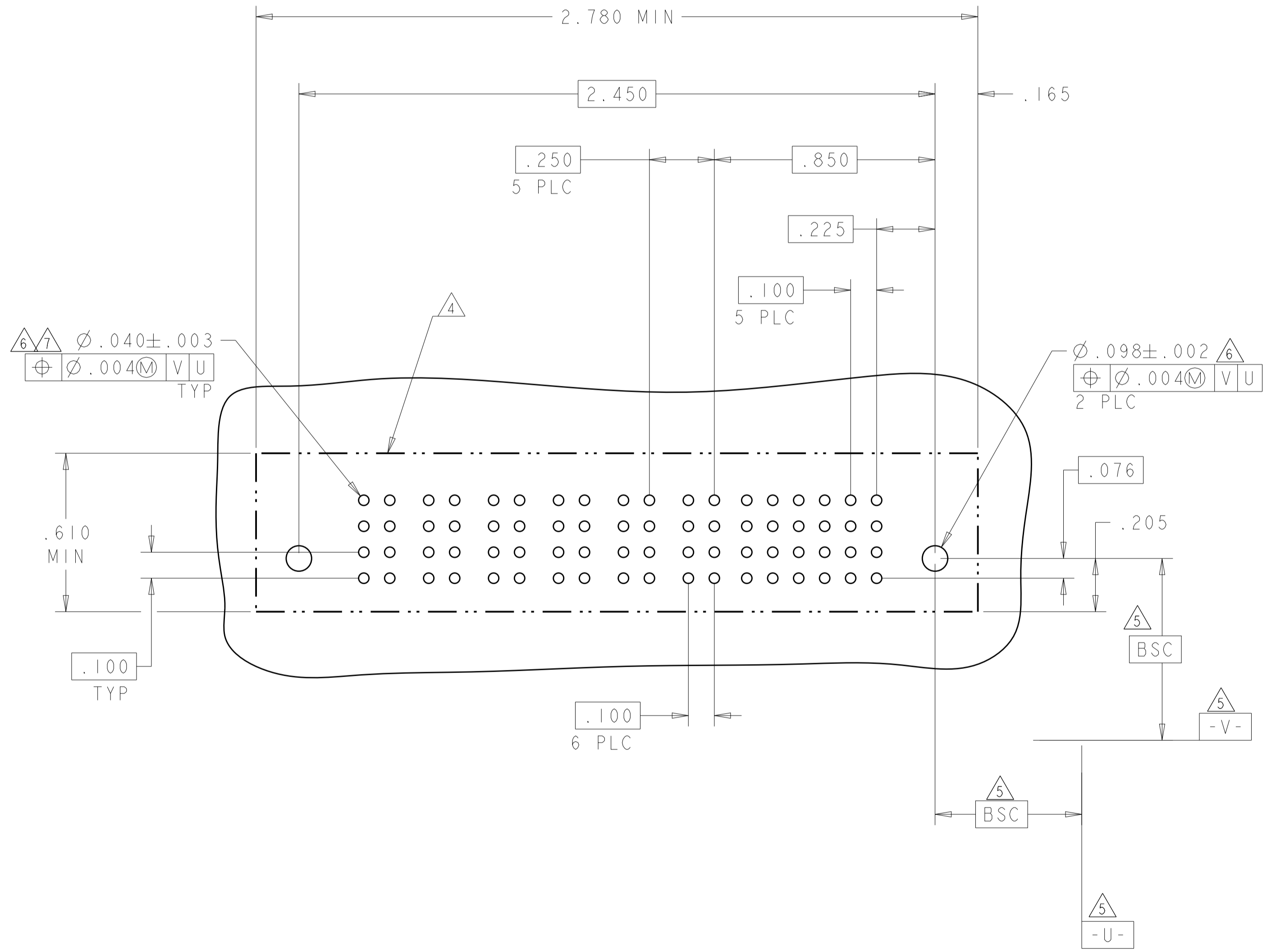
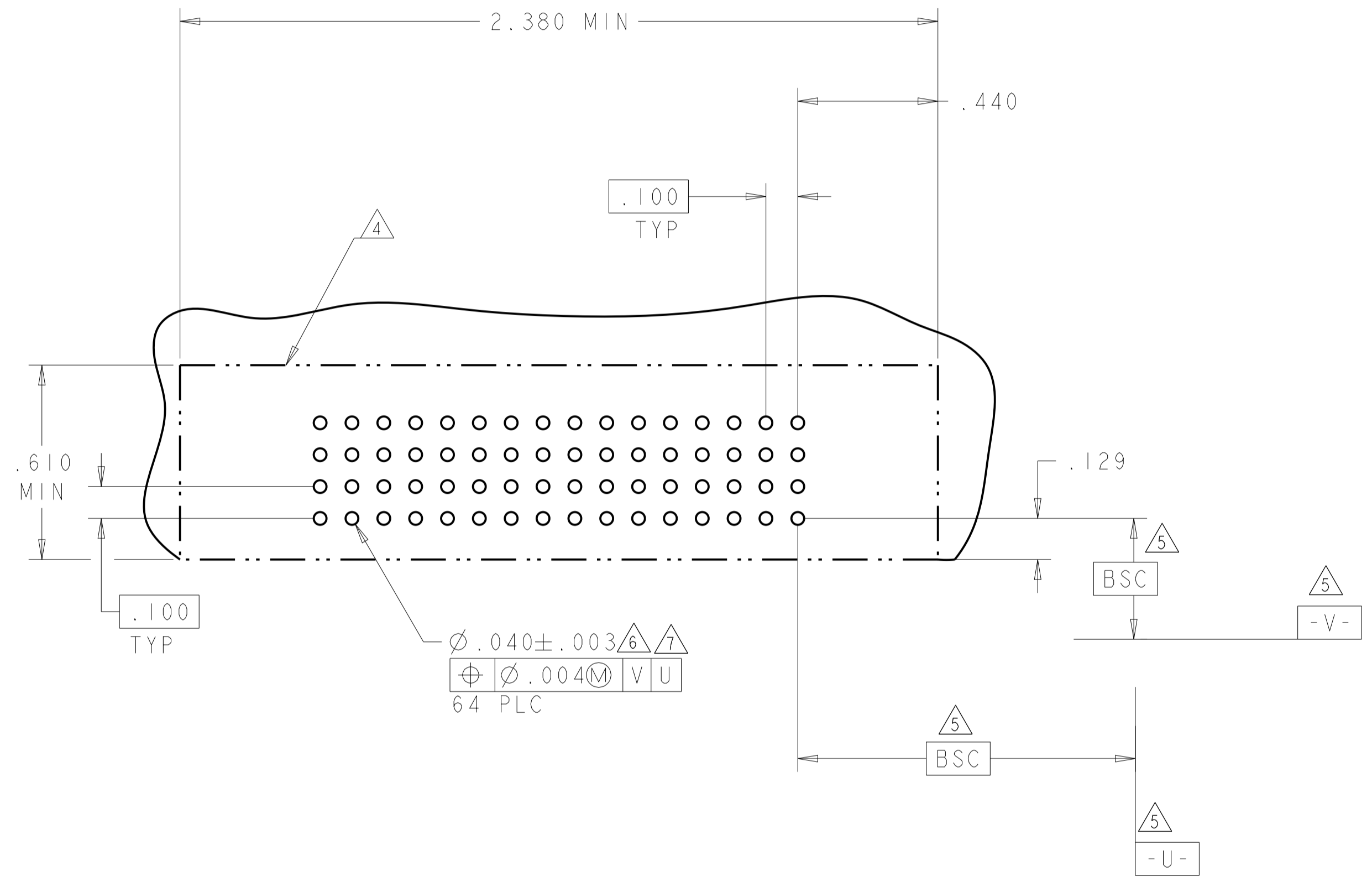
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020	OWN: B. GRZYBOWSKI 02MAY05 CHK: M. PERCHERKE 02MAY05 APVD: M. PERCHERKE 02MAY05	NAME: VERTICAL RECEPTACLE WITH GUIDES MULTI-BEAM XL
MATERIAL: -	FINISH: -	PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: -	SIZE: A1 CAGE CODE: 6450541 DRAWING NO: 100779
CUSTOMER DRAWING		SCALE: 4:1	SHEET 10 OF 12 REV E.4

4805 (3/11)

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
GP	00	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 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
64S																	

ASSY PART NUMBER	ROWS	POWER						SIGNAL					
		P6	P5	P4	P3	P2	PI	6	5	4	3	2	1
2-6450541-6	D C B A	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.		DMN R. GRZYBOWSKI	02MAY05	STE 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 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020 FINISH		PRODUCT SPEC	108-1973	
MATERIAL		APPLICATION SPEC	114-13038	SIZE CAGE CODE DRAWING NO
		RESTRICTED TO	100779	A100779
		CUSTOMER DRAWING	SCALE 4:1	SHEET 12 OF 12 REV E.4