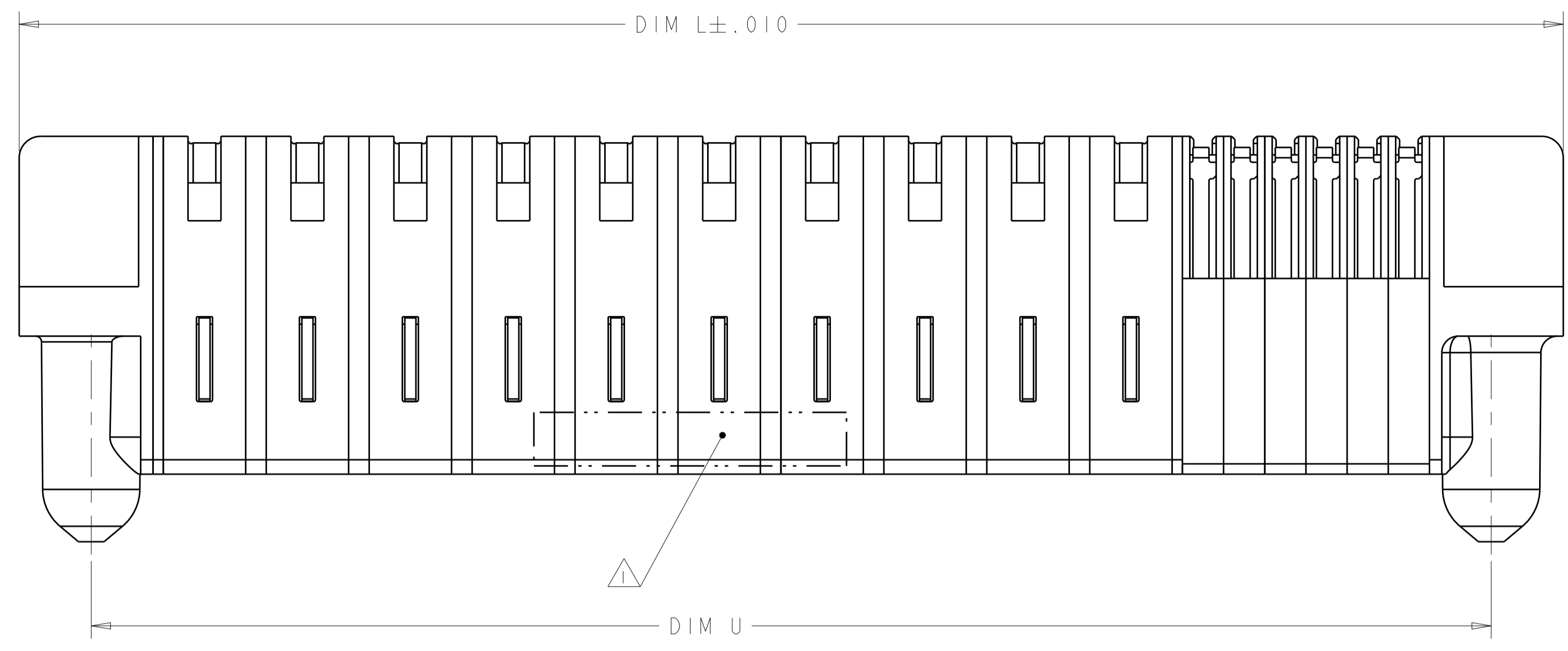
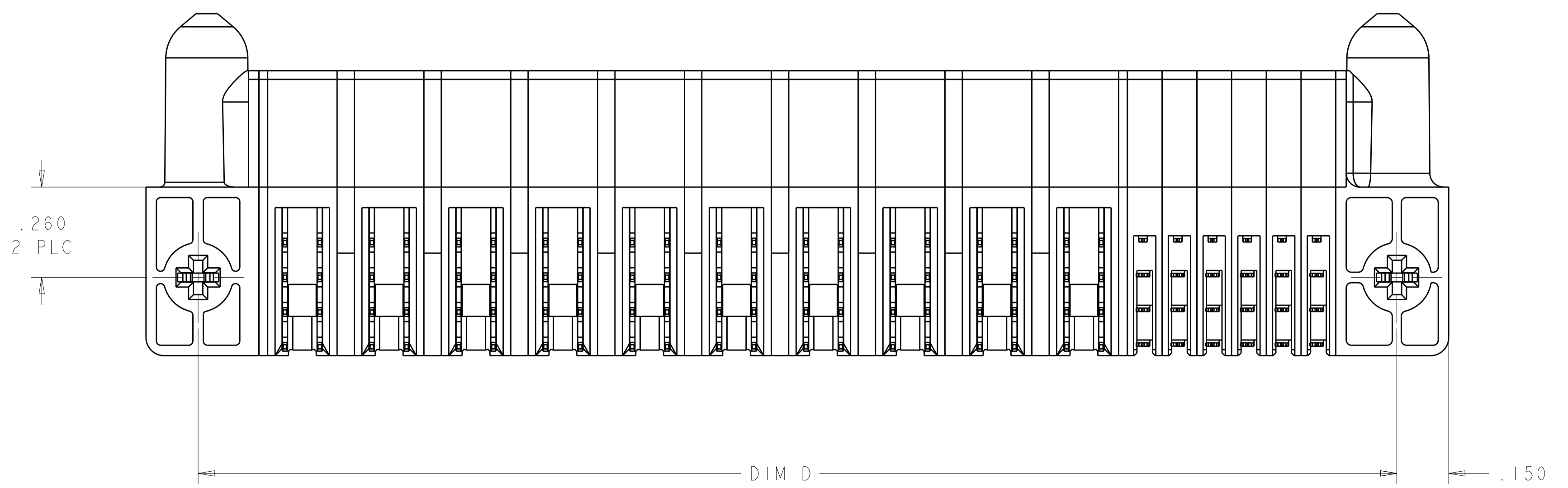
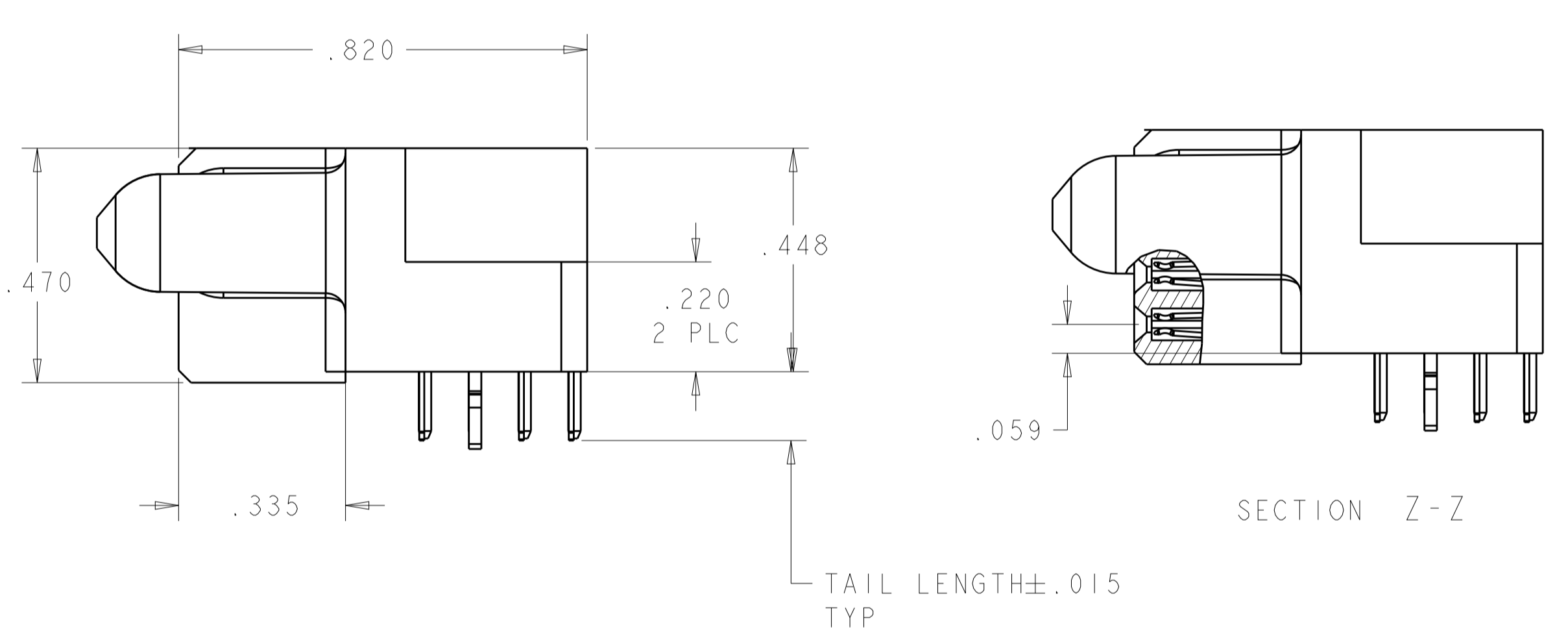
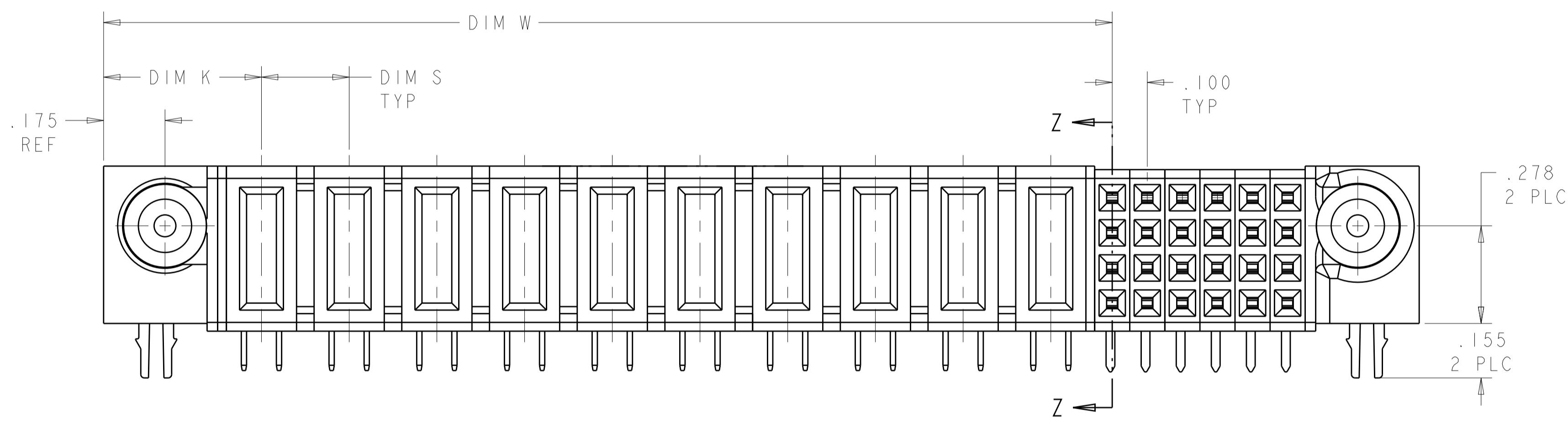


LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	DWN	APVD
ES	00	D5		REV PER ECR-12-018919	31OCT2012	ML	SZ
		D6		UPDATED	12NOV2012	ML	SZ



- 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 PLATING ON 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 RECEPTACLE ASSY HAS ONE MOUNTING HOLE AND ONE HOLD DOWN.
- 9 NOT RELEASED FOR PRODUCTION.



D4	2.400	.250	1.875	2.450	-	2.750	.450	24S + 6P	I-6450161-7
	1.600	.250	1.375	1.650	-	1.950	.450	12S + 4P	I-6450161-6
	1.600	.250	1.375	1.650	-	1.950	.450	12S + 4P	I-6450161-5
	1.700	.250	1.375	1.750	-	2.050	.450	16S + 4P	I-6450161-3
9	3.800	.250	2.875	3.850	-	4.150	.450	40S + 10P	I-6450161-1
	1.800	.250	1.375	1.850	-	2.150	.450	20S + 4P	I-6450161-0
	2.900	.250	2.375	2.950	-	3.250	.450	24S + 8P	6450161-6
	1.800	.250	1.375	1.850	-	2.150	.450	20S + 4P	6450161-5
8	4.400	.250	3.875	4.450	-	4.750	.450	24S + 14P	6450161-4
	3.400	.250	2.875	3.450	-	3.750	.450	24S + 10P	6450161-3
	2.400	.250	1.875	2.450	-	2.750	.450	24S + 6P	6450161-2
	1.700	.250	1.375	1.750	-	2.050	.450	16S + 4P	6450161-1
DIM U	DIM S	DIM W	DIM D	DIM M	DIM L	DIM K	DESCRIPTION	PART NUMBER	

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	±.0020

MATERIAL: 2

FINISH: 3

APPROVED: R. GRZYBOWSKI, M. PERCZERKE

NAME: M. PERCZERKE

PRODUCT SPEC: 108-1973

APPLICATION SPEC: 114-13038

WEIGHT: -

CUSTOMER DRAWING

SCALE: 4:1

SHEET 1 OF 6

REV D6

RESTRICTED TO

TE Connectivity

RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES, END MODULES MULTI-BEAM XL

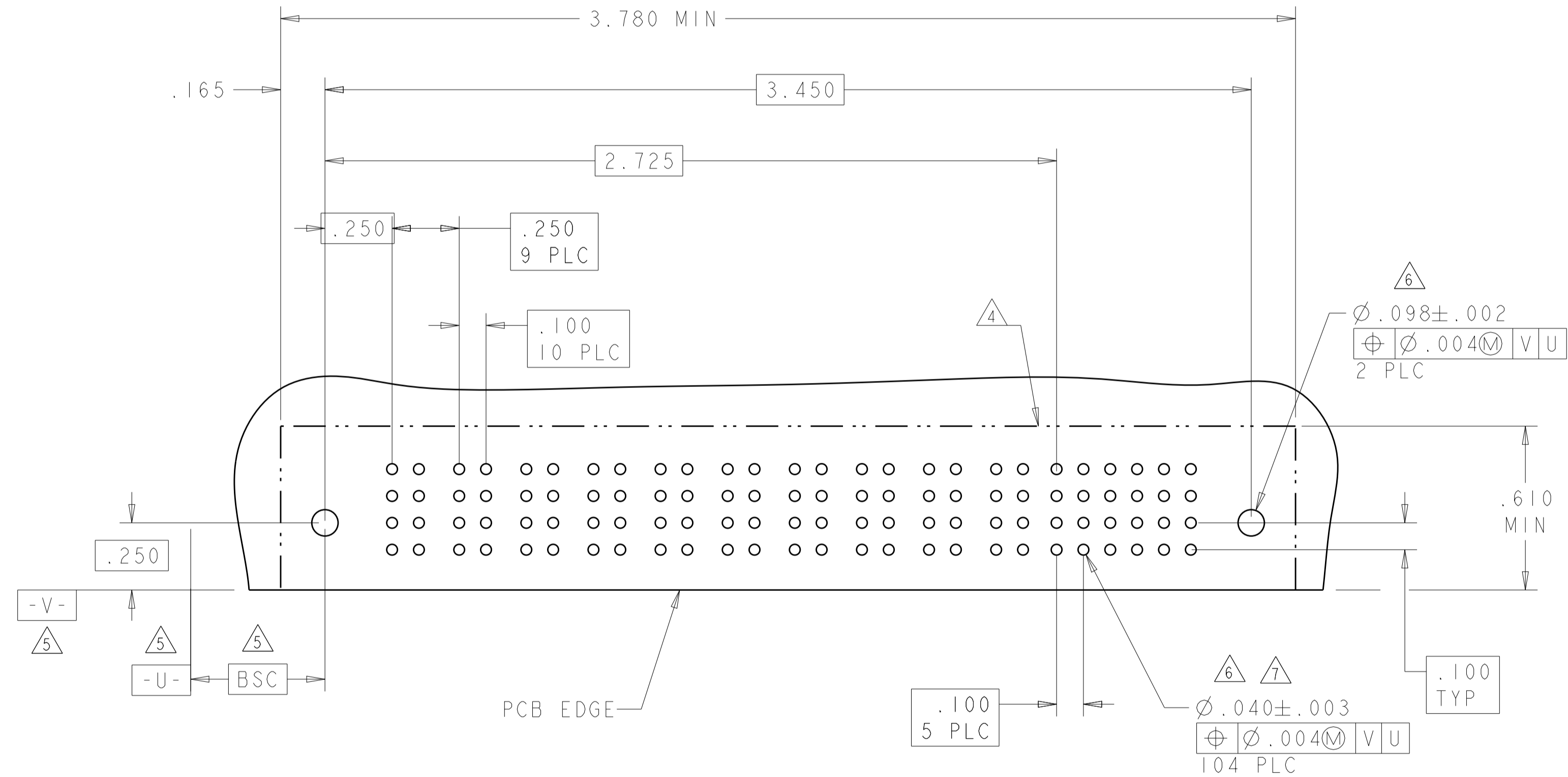
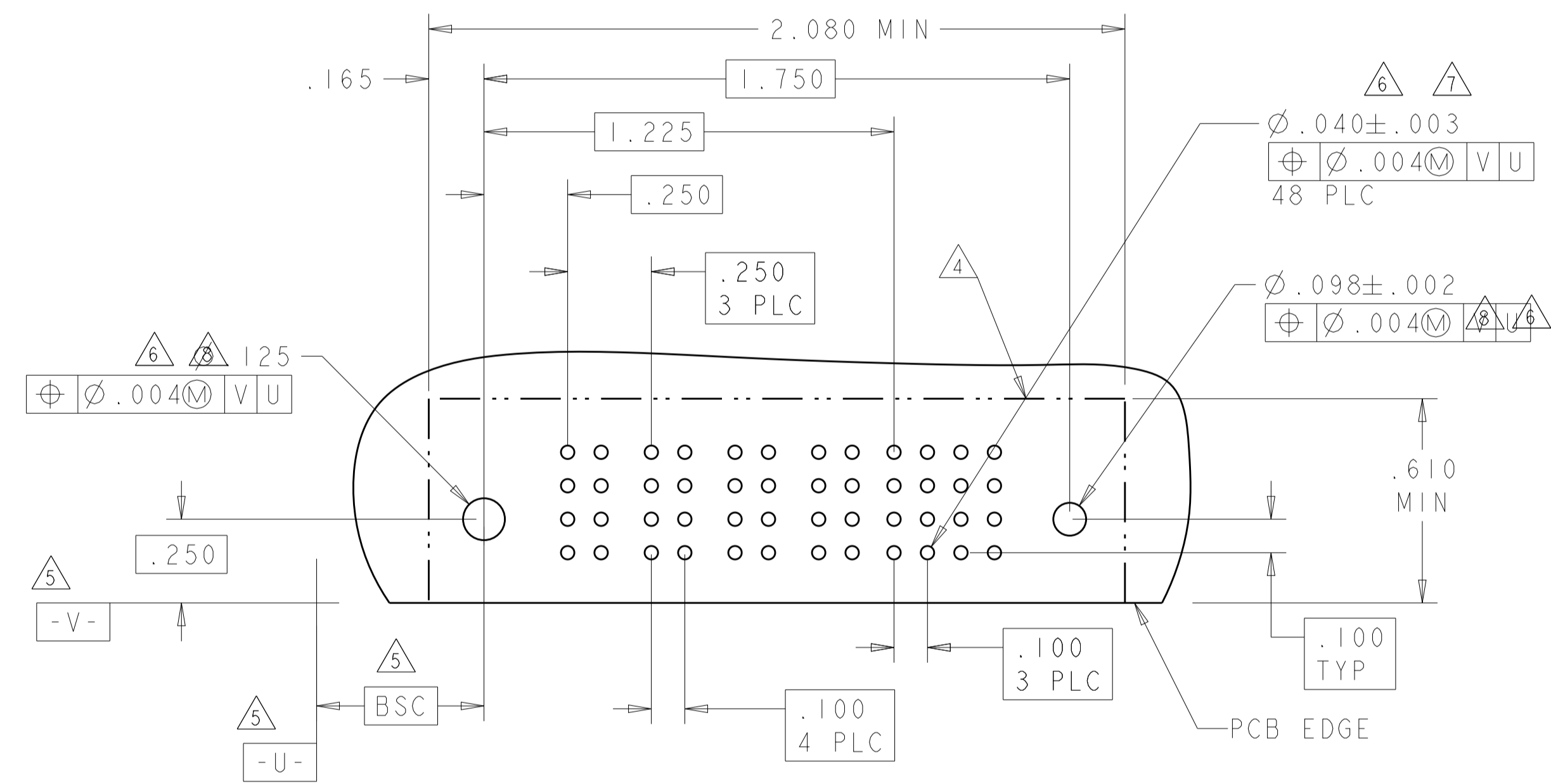
A100779C=6450161

LOC	DIST	REV	DATE	BY	APPD
ES	00				

REVISIONS		DATE	BY	APPD
-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER				SIGNAL				HD
		P4	P3	P2	P1	4	3	2	1	
6450161-1	D	RA	RA	RA	RA	H	H	H	H	HD
	C					G	G	G	G	
	B					F	F	F	F	
	A					E	E	E	E	
16S + 4P										

PART NUMBER	ROWS	POWER										SIGNAL					HD							
		P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	6	5	4	3	2		1						
6450161-3	D	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	H	H	H	H	H	H	HD
	C																	G	G	G	G	G	G	
	B																	F	F	F	F	F	F	
	A																	E	E	E	E	E	E	
24S + 10P																								



CODE	TAIL LENGTH	DESCRIPTION	CODE	TAIL LENGTH	ROW
RM	.135	STD	L	.090	D
RA	.135	MFBL	K	.090	C
RN	.090	STD	J	.090	B
RB	.090	MFBL	I	.090	A
			H	.135	D
			G	.135	C
			F	.135	B
			E	.135	A

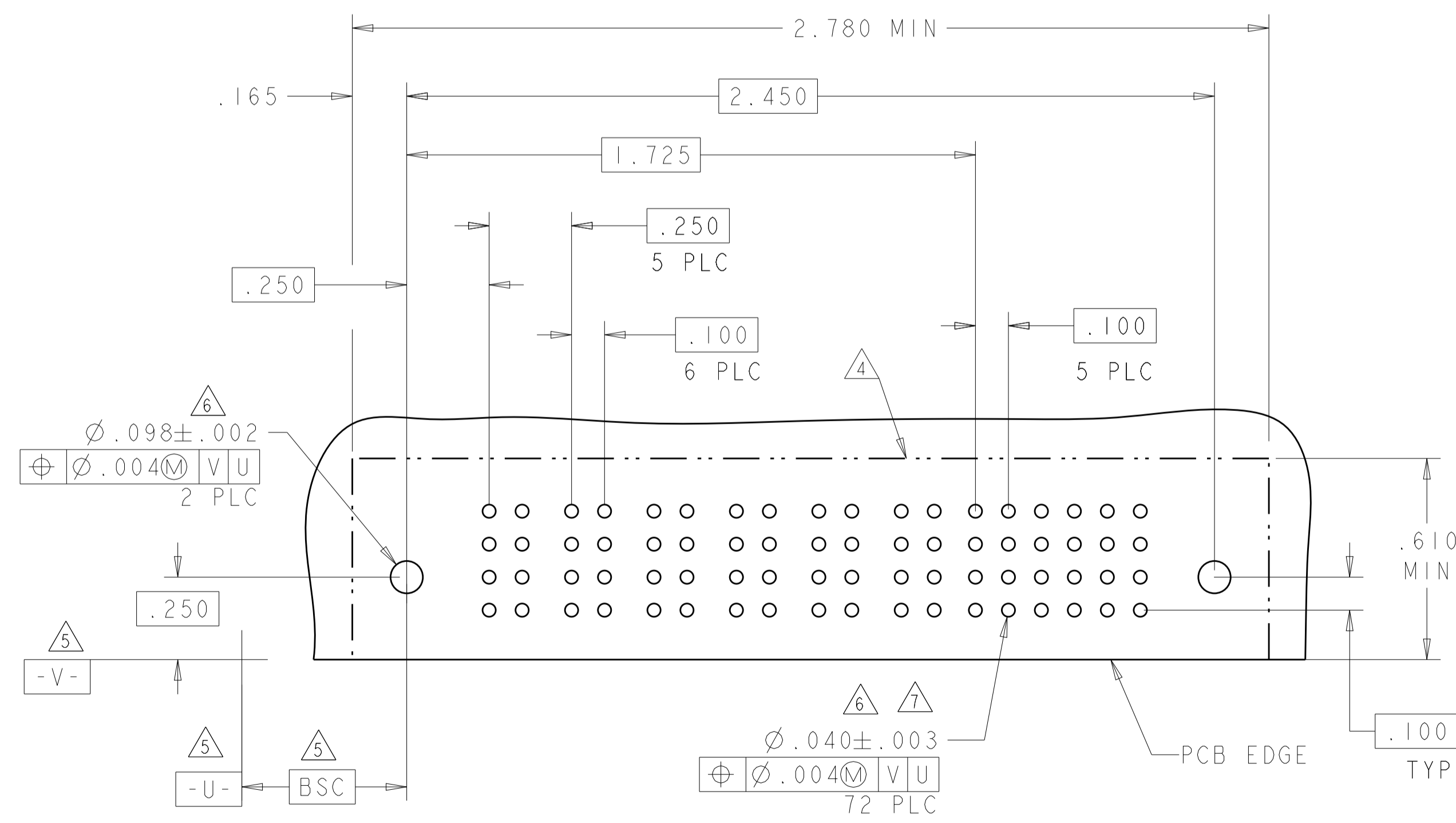
POWER CONTACT			SIGNAL CONTACT		
RM	.135	STD	L	.090	D
RA	.135	MFBL	K	.090	C
RN	.090	STD	J	.090	B
RB	.090	MFBL	I	.090	A

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: R. GRZYBOWSKI 21FEB05	 TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCERKE	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCERKE	NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES, END MODULES MULTI-BEAM XL PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: - FINISH: - CUSTOMER DRAWING
0 PLC ±.01		PRODUCT SPEC: 108-1973	
1 PLC ±.01		APPLICATION SPEC: 114-13038	
2 PLC ±.01		SIZE: CAGE CODE: DRAWING NO: A100779C=6450161	
3 PLC ±.01		RESTRICTED TO: -	SCALE: 4:1
4 PLC ±.005			SHEET: 2 OF 6
5 PLC ±.002			REV: D6
ANGLES ±.0020			

PART NUMBER	ROWS	POWER						SIGNAL					
		P6	P5	P4	P3	P2	P1	6	5	4	3	2	1
6450161-2	D C B A	RA RA RA RA RA RA						H H H H H H G G G G G G F F F F F F E E E E E E					
		24S + 6P											

PART NUMBER	ROWS	POWER						SIGNAL					
		P6	P5	P4	P3	P2	P1	6	5	4	3	2	1
1-6450161-7	D C B A	RA RA RA RA RA RA						H H H H H H G G G G G G F F F F F F E E E E E E					
		24S + 6P											

NO CONTACTS LOADED



PCB LAYOUT FOR PART NUMBER: 6450161-2, 1-6450161-7

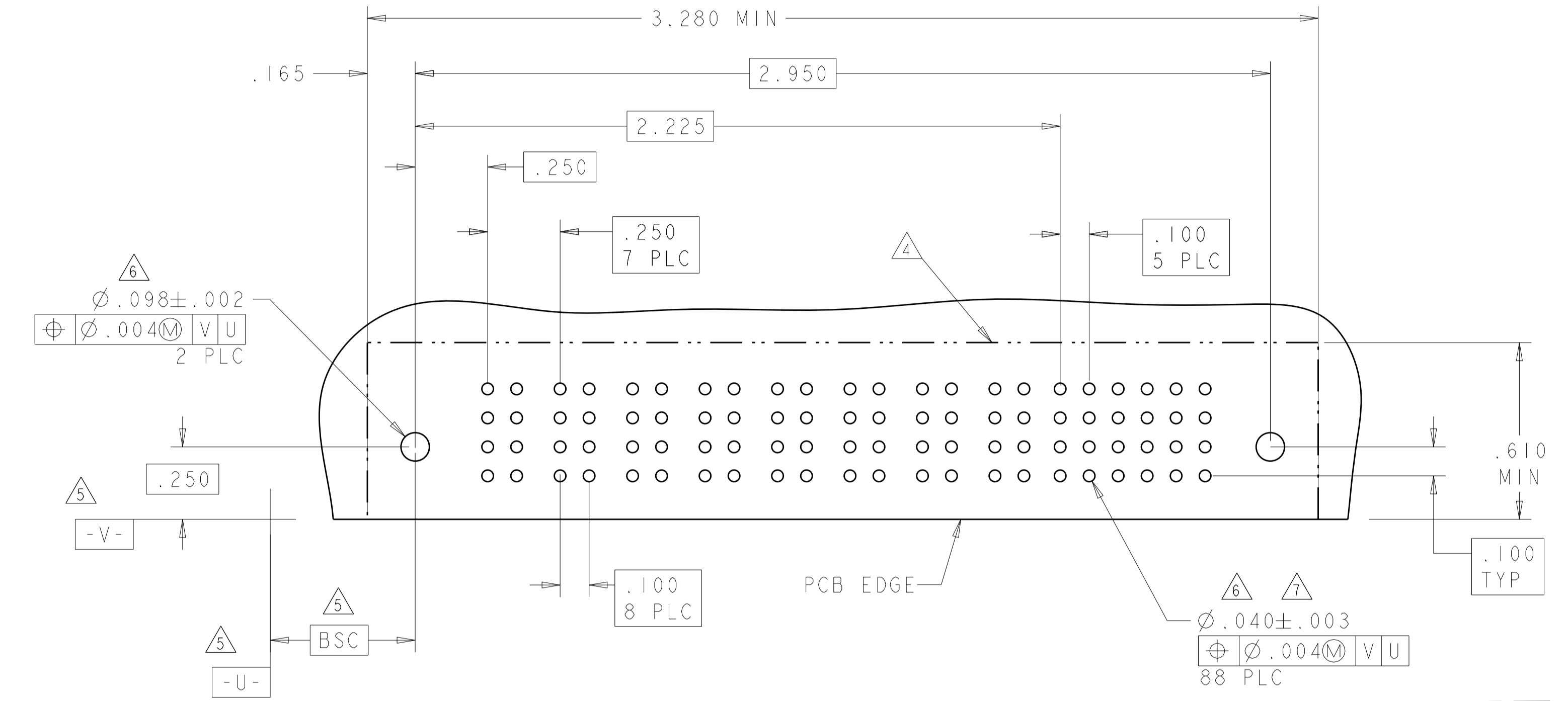
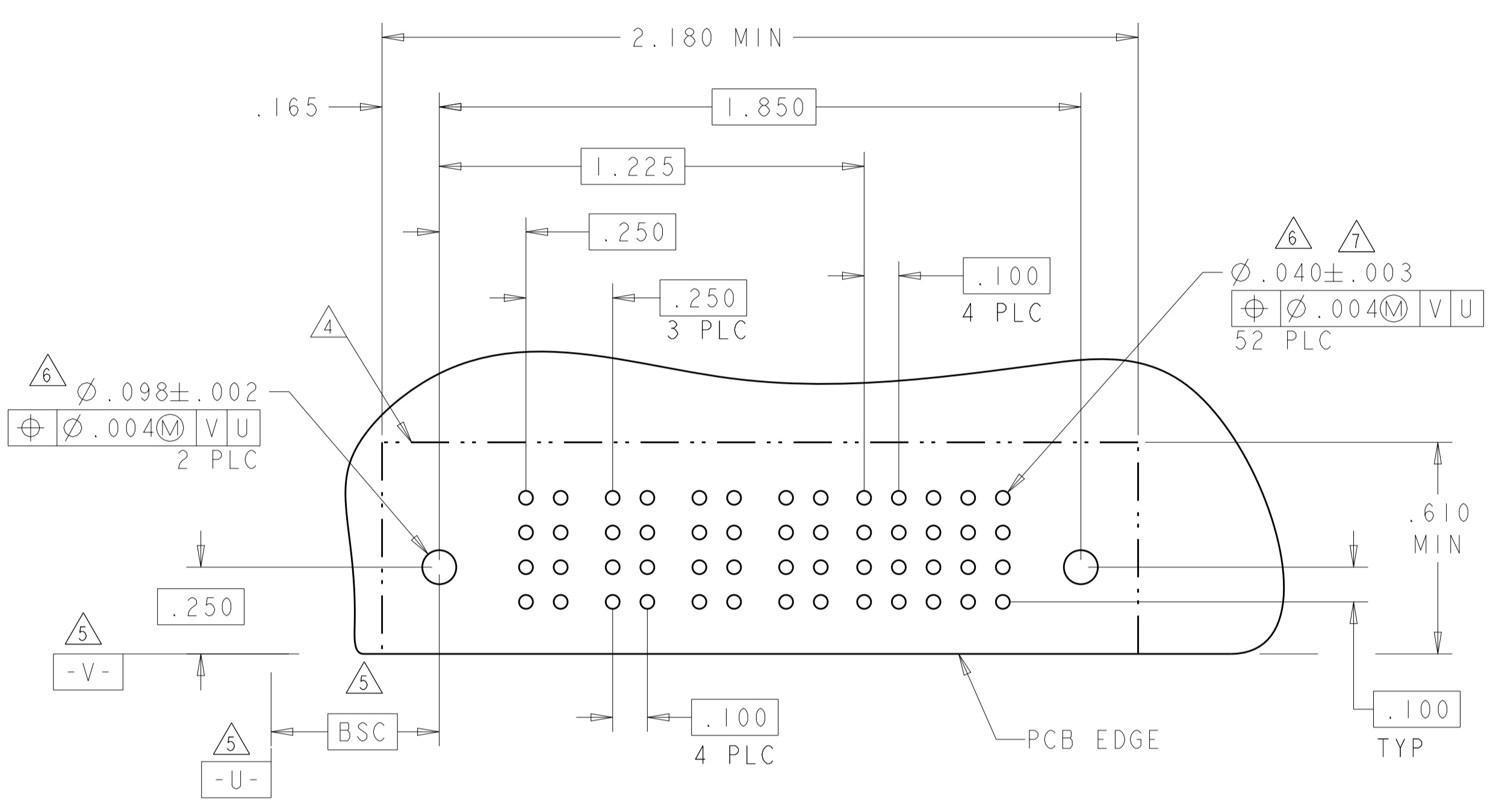
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN		
DIMENSIONS:		CHK		
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD	NAME	
	0 PLC ±	PRODUCT SPEC	PRODUCT SPEC	
	1 PLC ±	APPLICATION SPEC	APPLICATION SPEC	
	2 PLC ±	WEIGHT	WEIGHT	
MATERIAL	FINISH	SCALE	SHEET	OF

PART NUMBER	ROWS	POWER				SIGNAL				
		P4	P3	P2	P1	5	4	3	2	1
6450161-5	D C B A	RA	RA	RA	RA	H	H	H	H	H
						G	G	G	G	G
						F	F	F	F	F
						E	E	E	E	E

20S + 4P

PART NUMBER	ROWS	POWER								SIGNAL				
		P8	P7	P6	P5	P4	P3	P2	P1	6	5	4	3	2
6450161-6	D C B A	RA	RA	RA	RA	RA	RA	RA	RA	H	H	H	H	H
										G	G	G	G	G
										F	F	F	F	F
										E	E	E	E	E

24S + 8P

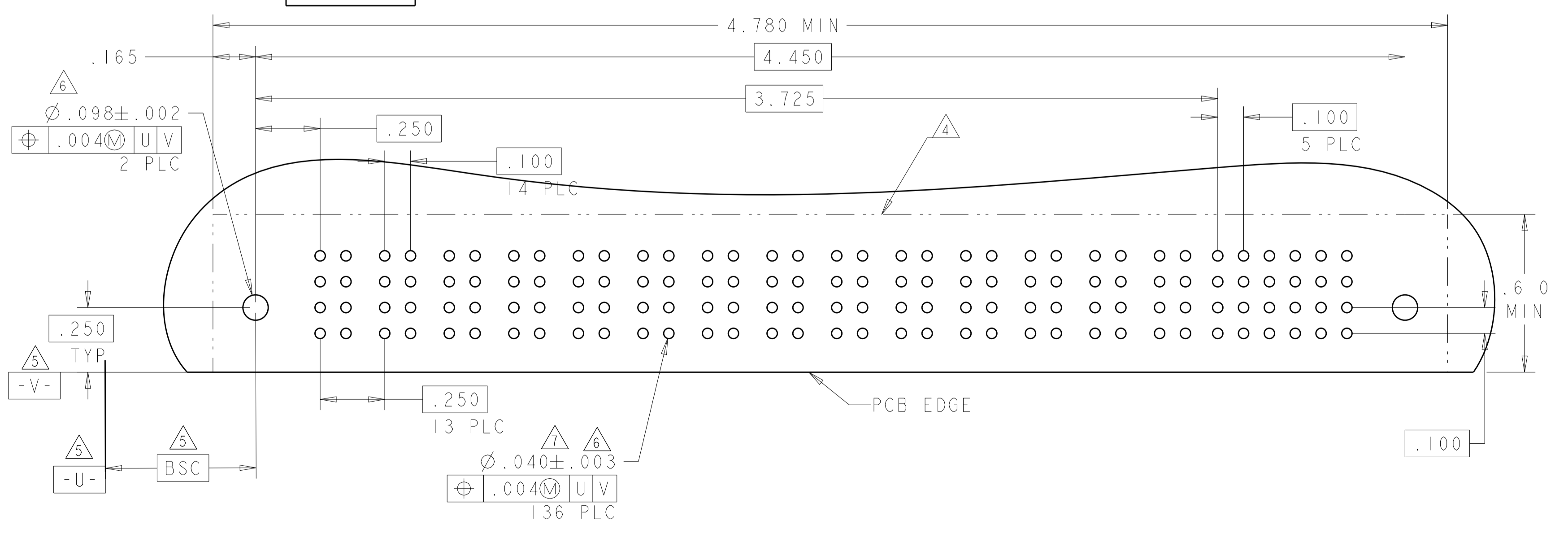
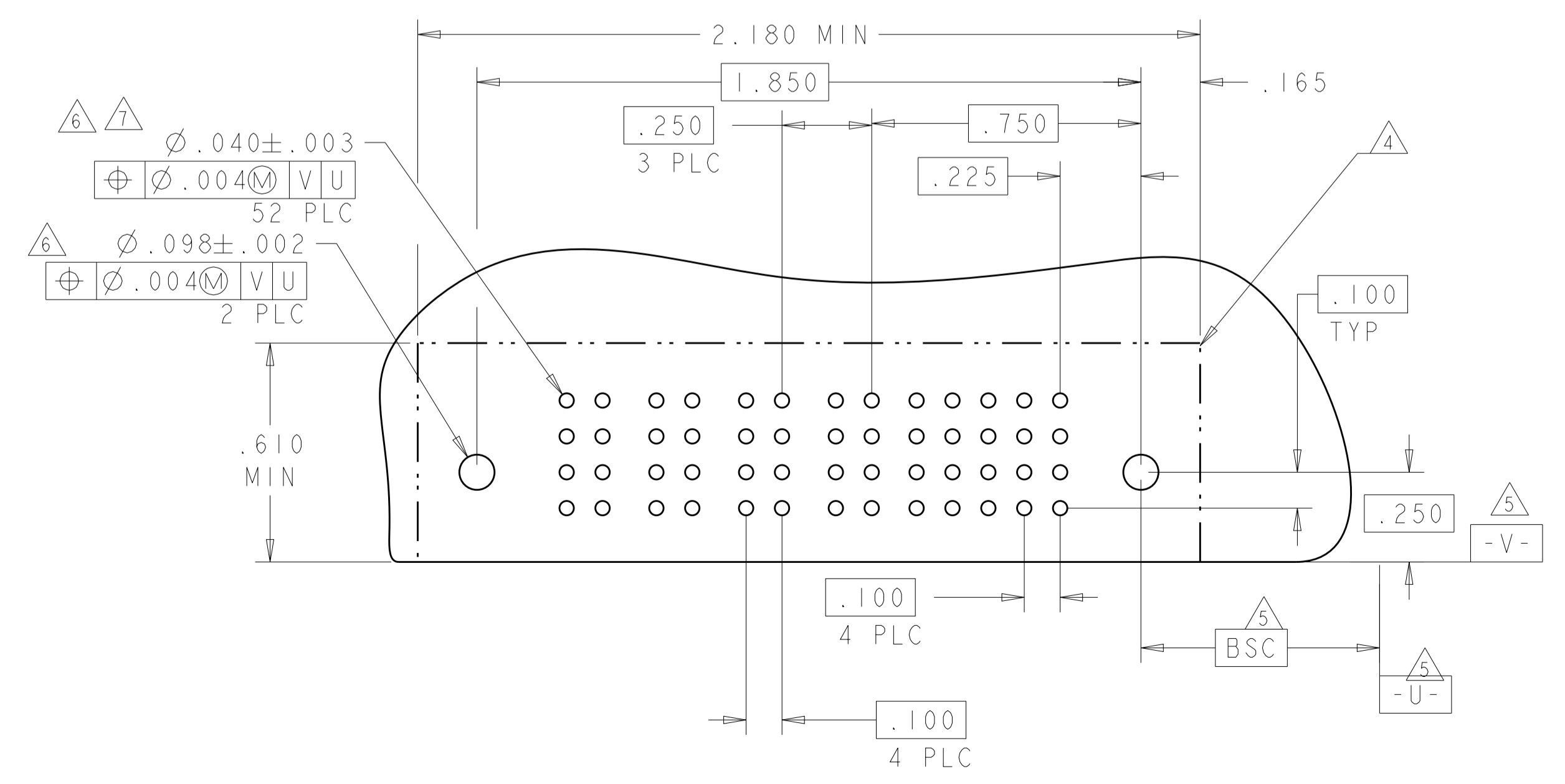


PART NUMBER	ROWS	POWER				SIGNAL				
		P4	P3	P2	P1	5	4	3	2	1
1-6450161-0	D C B A	RM	RM	RM	RM	H	H	H	H	H
						G	G	G	G	G
						F	F	F	F	F
						E	E	E	E	E

20S + 4P

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				
6450161-4	D C B A	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	H	H	H	H	H
																					G	G	G	G	G
																					F	F	F	F	F
																					E	E	E	E	E

24S + 14P

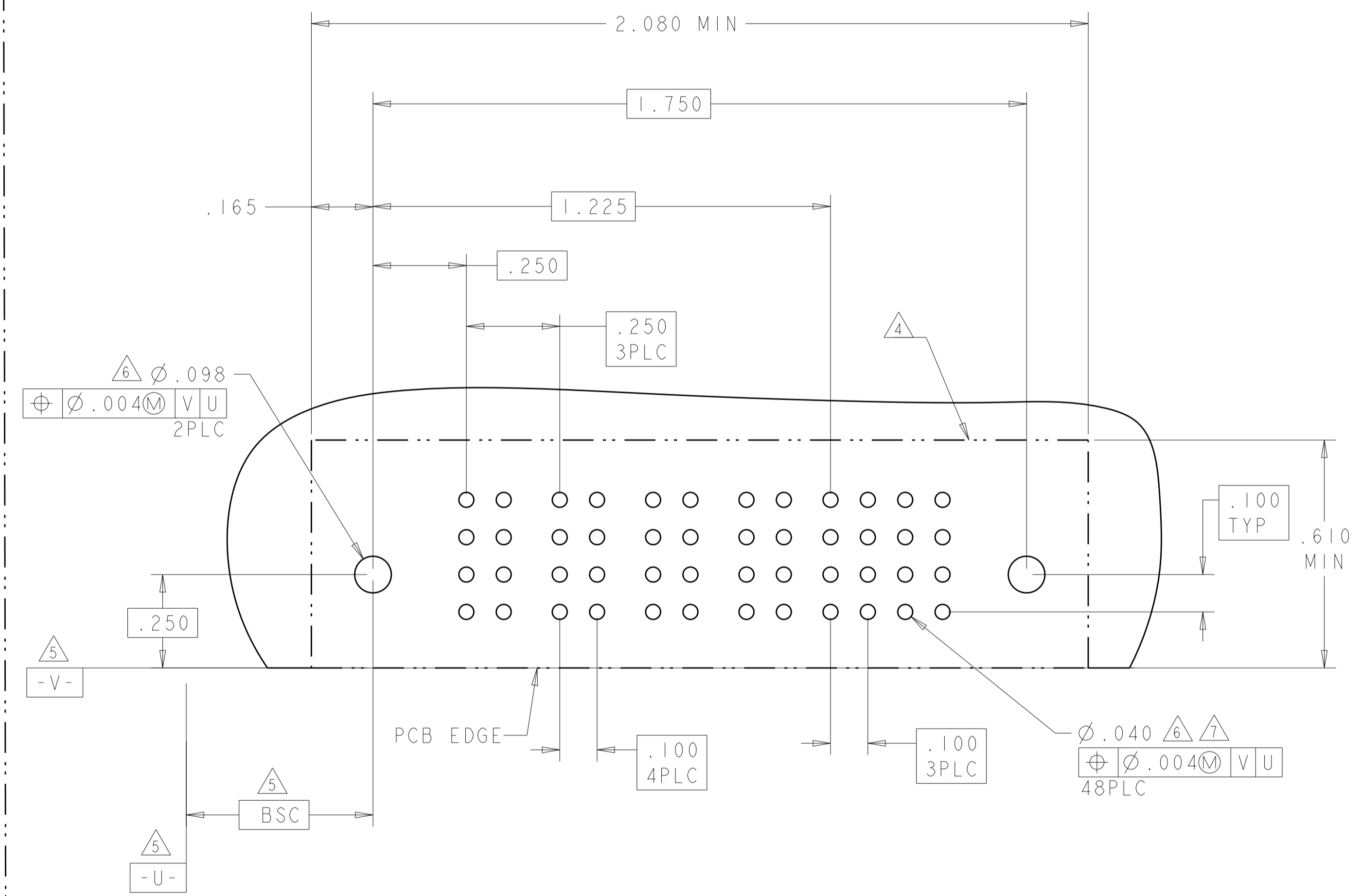
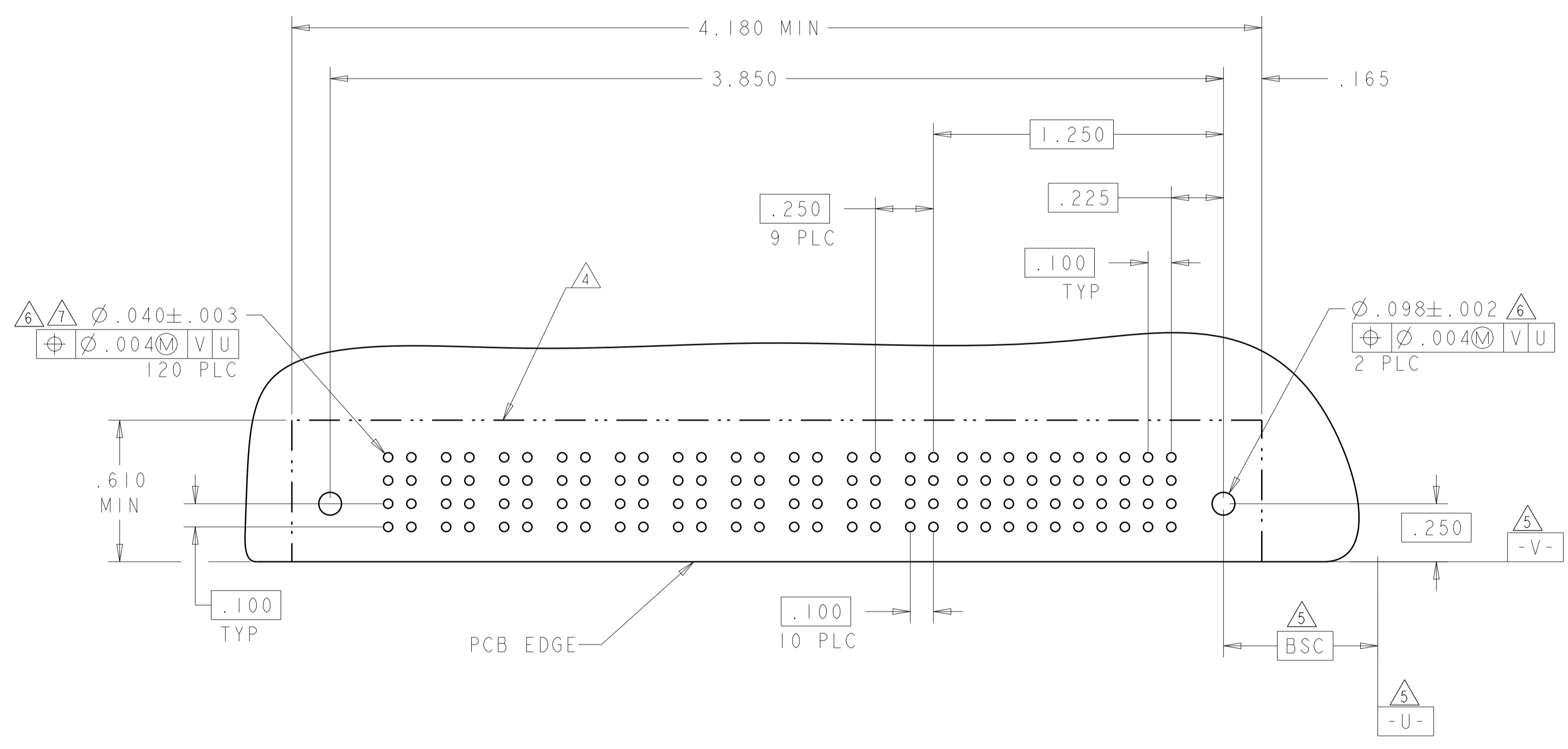


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: R. GRZYBOWSKI 21FEB05		TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCERKE		RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES, END MODULES MULTI-BEAM XL
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCERKE	RESTRICTED TO	
0 PLC ±.01		PRODUCT SPEC	SIZE: CAGE CODE: DRAWING NO: A100779C=6450161	
1 PLC ±.01		APPLICATION SPEC	SCALE: 4:1 SHEET 4 OF 6 REV: D6	
2 PLC ±.01		108-1973		
3 PLC ±.005		114-13038		
4 PLC ±.002		WEIGHT		
ANGLES ±.002		CUSTOMER DRAWING		
FINISH				

LOC	DIST	REVISIONS			
ES	00	REV	DATE	BY	APPV
		-	SEE SHEET 1	-	-

PART NUMBER	ROWS	POWER										SIGNAL									
		P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	I10	I9	I8	I7	I6	I5	I4	I3	I2	I1
1-6450161-1	D C B A	RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	H	H	H	H	H	H	H	H	H	H
		RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	G	G	G	G	G	G	G	G	G	G
		RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	F	F	F	F	F	F	F	F	F	F
		RM	RM	RM	RM	RM	RM	RM	RM	RM	RM	E	E	E	E	E	E	E	E	E	E

PART NUMBER	ROWS	POWER				SIGNAL			
		P4	P3	P2	P1	4	3	2	1
1-6450161-3	D C B A	RA	RA	RA	RA	H	H	H	H
		RA	RA	RA	RA	G	G	G	G
		RA	RA	RA	RA	F	F	F	F
		RA	RA	RA	RA	E	E	E	E



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN: R. GRZYBOWSKI	21FEB05
INCHES	0 PLC ± .01	CHK: M. PERCERKE	21FEB05
	1 PLC ± .01	APVD: M. PERCERKE	
	2 PLC ± .01	NAME:	
	3 PLC ± .005	PRODUCT SPEC:	
	4 PLC ± .002	APPLICATION SPEC:	
	ANGLES ± .0020	SIZE: 114-13038	RESTRICTED TO
MATERIAL:	FINISH:	WEIGHT:	

TE Connectivity

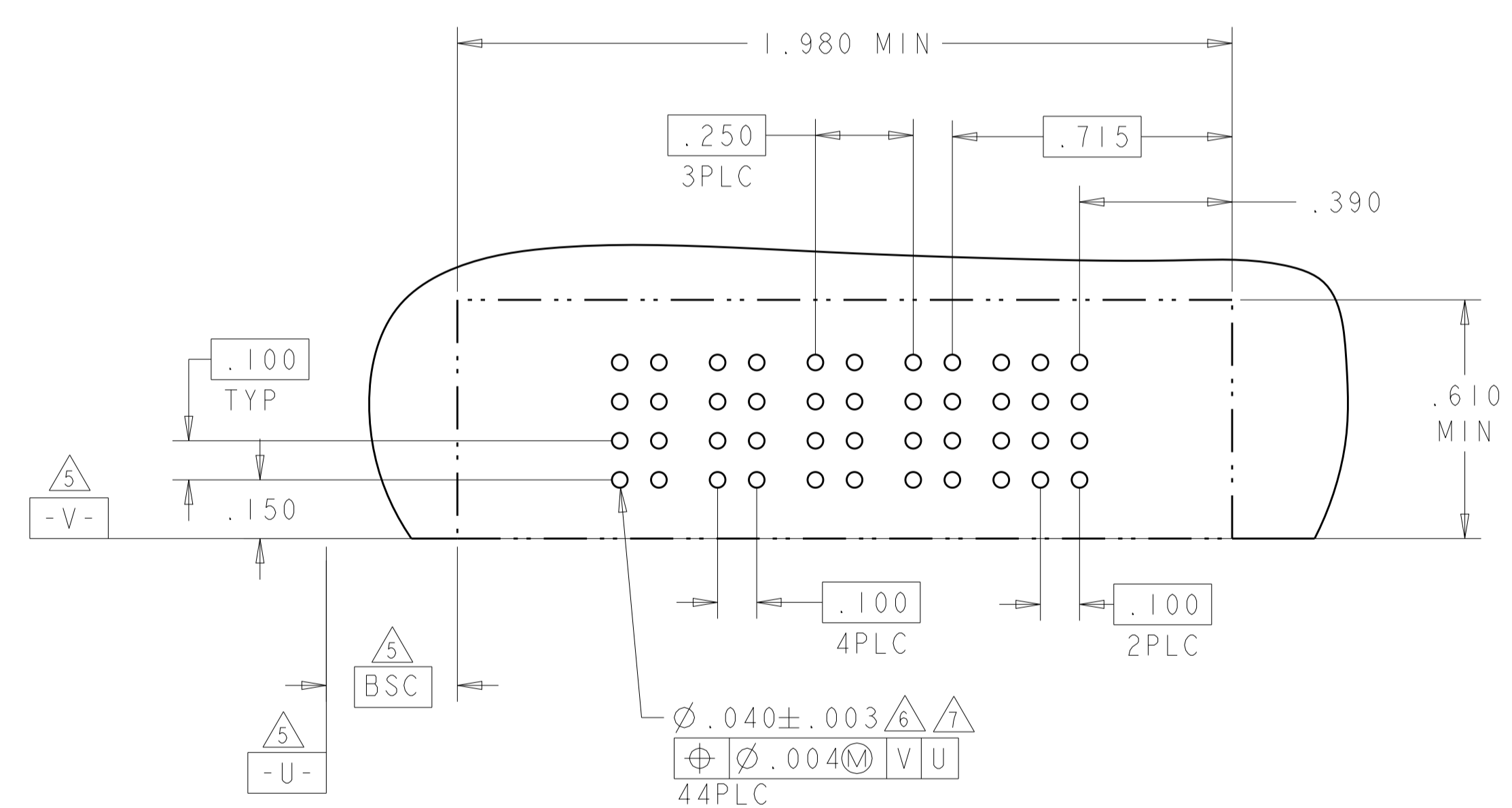
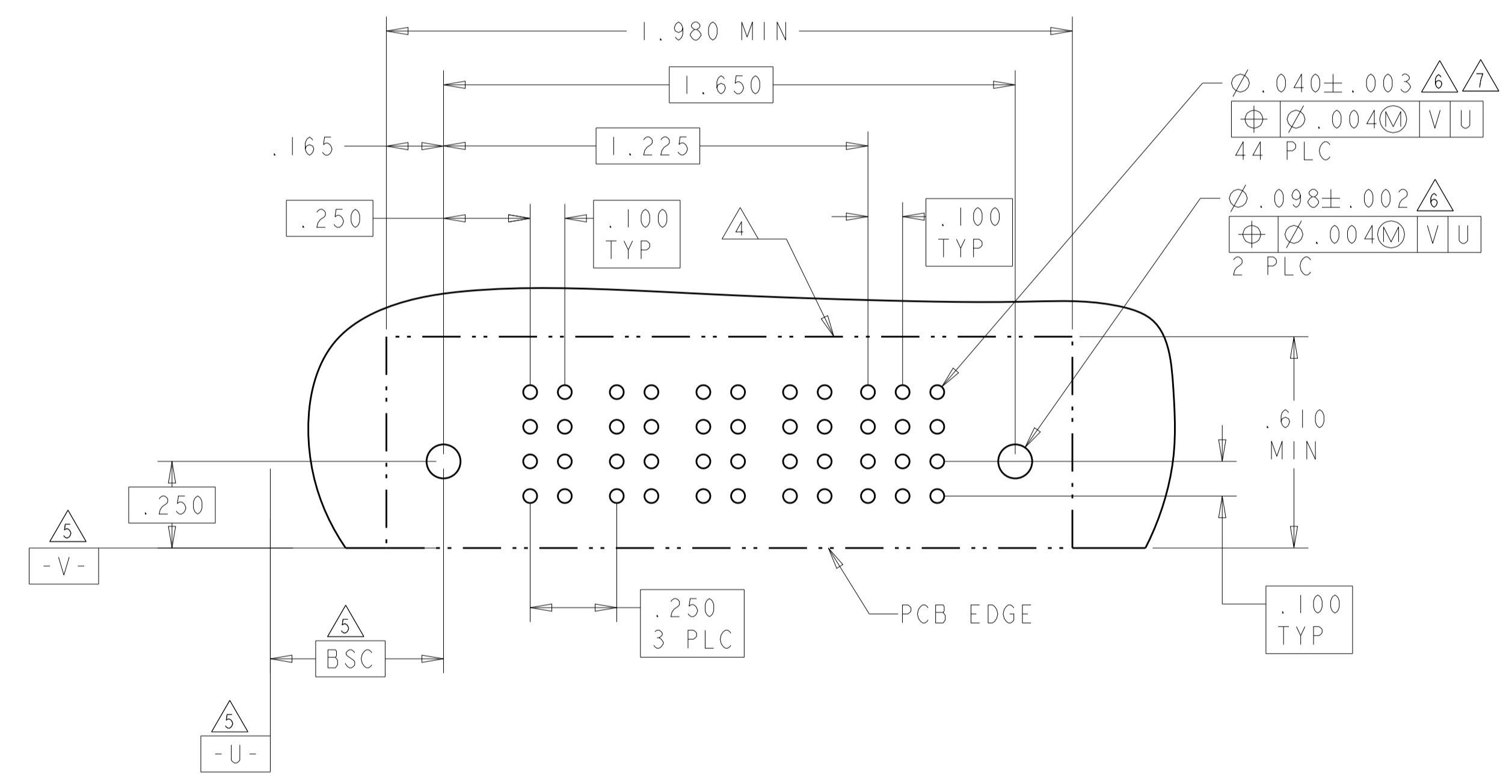
RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES, END MODULES MULTI-BEAM XL

SCALE: 4:1 SHEET 5 OF 6 REV: D6

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

PART NUMBER	ROWS	POWER				SIGNAL		
		P4	P3	P2	P1	3	2	1
1-6450161-5	D C B A	RM	RM	RM	RM	H G F E	H G F E	H G F E
12S + 4P		HD						HD

PART NUMBER	ROWS	POWER				SIGNAL		
		P4	P3	P2	P1	3	2	1
1-6450161-6	D C B A	RM	RM	RM	RM	H G F E	H G F E	H G F E
12S + 4P								



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: R. GRZYBOWSKI / 21FEB05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCZERKE / 21FEB05	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.		APVD: M. PERCZERKE	NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES, END MODULES MULTI-BEAM XL
MATERIAL: -		FINISH: -	RESTRICTED TO: -
CUSTOMER DRAWING		SCALE: 4:1	SHEET 6 OF 6 REV D6