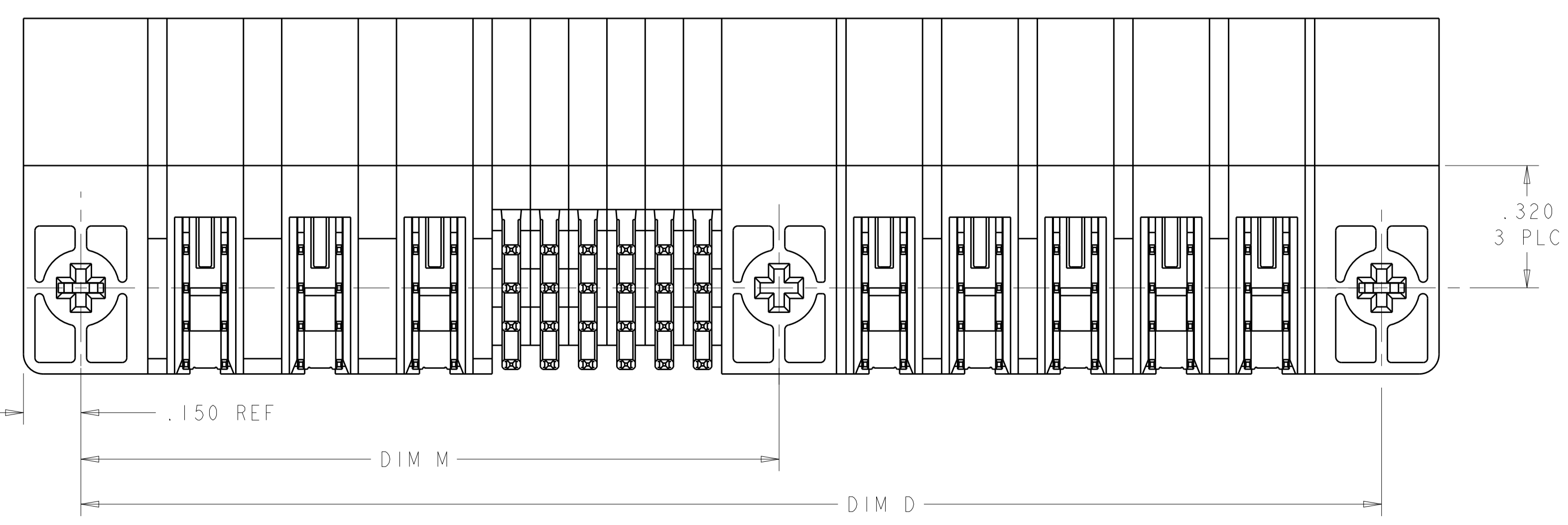
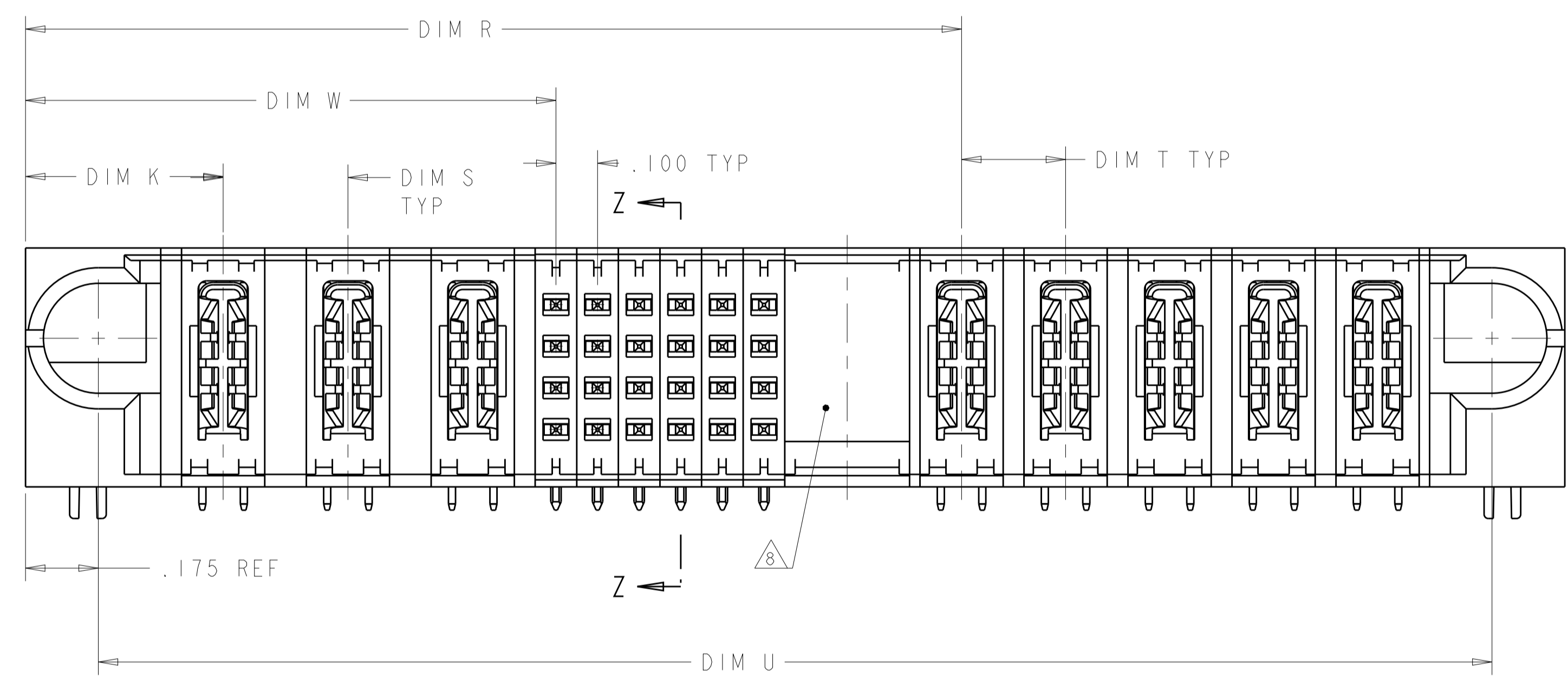
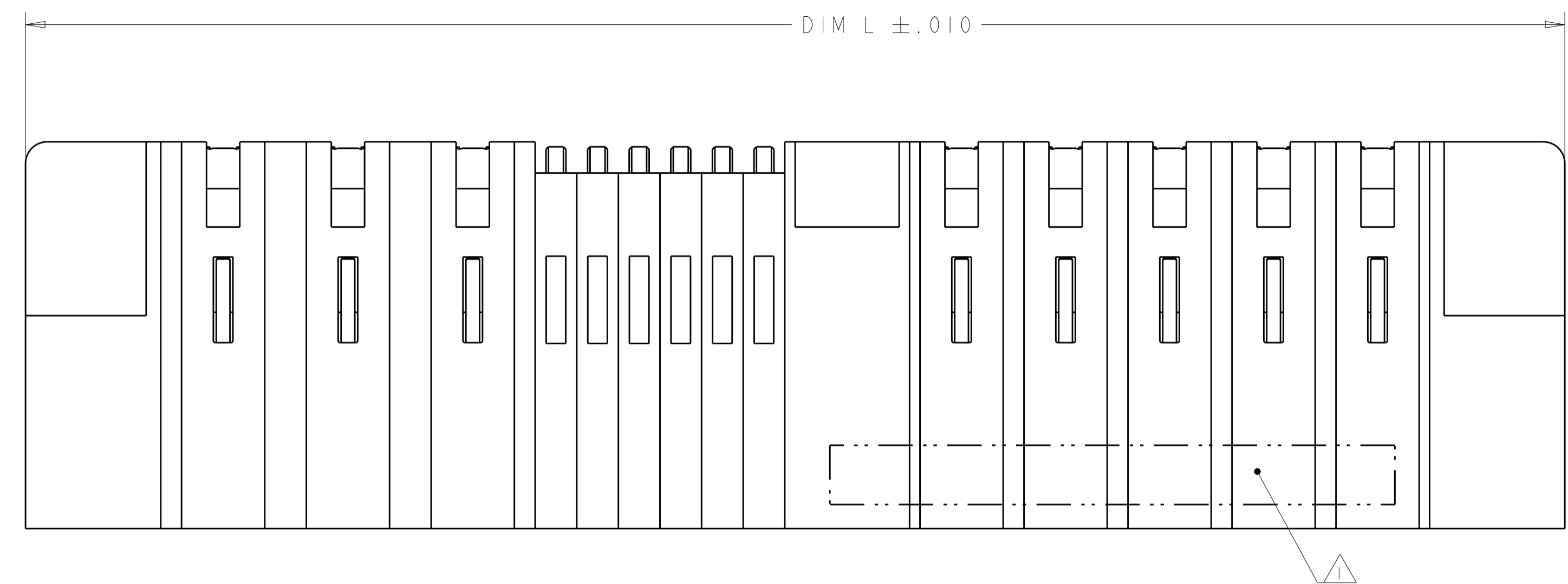
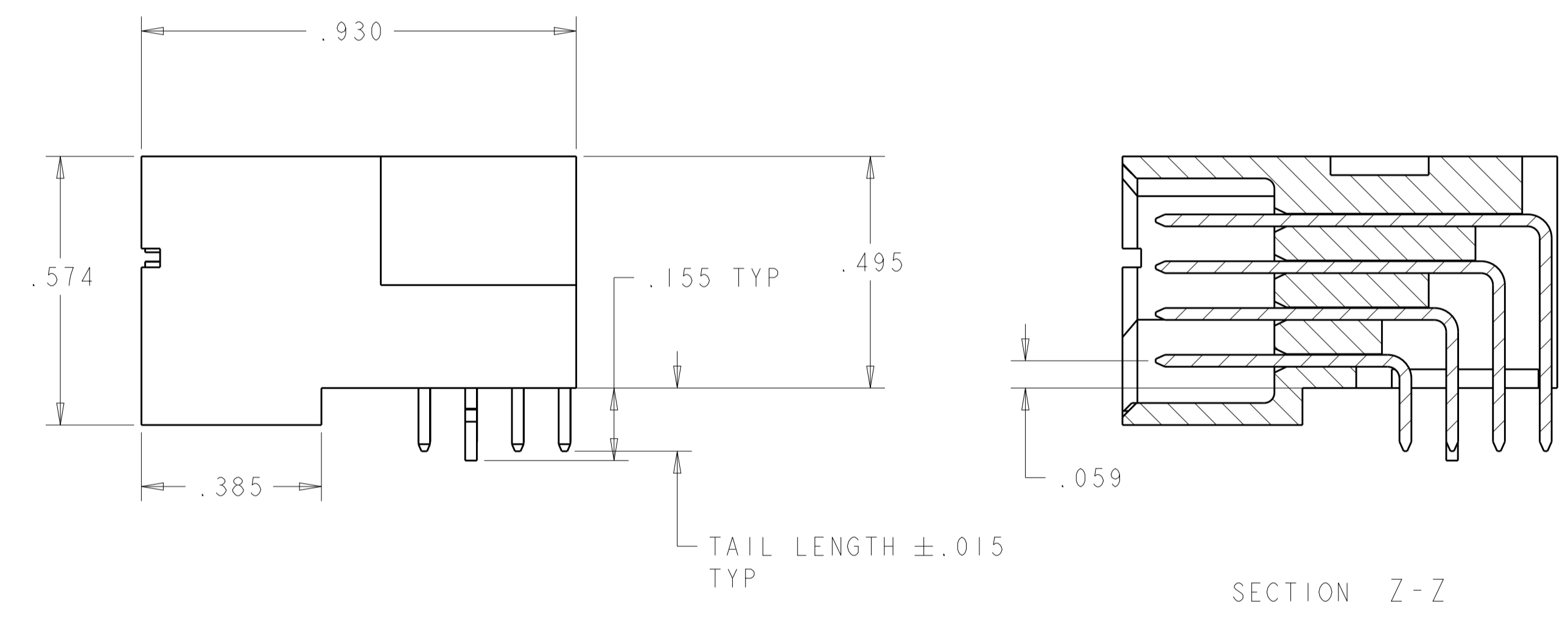


LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD		
K8		REVISED	16 JAN 2013	CZ	SZ		
L		ADDED NEW DASH NUMBER 6-4	31 JAN 2013	CZ	SZ		
L1		REVISED	15 MAR 2013	ML	SZ		



- 1 "AMP" PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN. PARTS UNDER 2.500 LONG MAY BE MARKED ON BOTH SIDES.
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL 94 V-0
 SIGNAL CONTACT - COPPER ALLOY
 POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.
- 3 CONTACT FINISHE:
 NOBLE METAL PLATED ON THE CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS.
- 4 MECHANICAL CONNECTOR KEEP OUT ZONE. WHEN PLACING CONNECTORS END-TO-END, ALLOW ADDITIONAL 0.1 CLEARANCE BETWEEN CONNECTORS FOR LATCH ACTIVATION.
- 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 Cu PLATING TO ACHIEVE A .040 DIA HOLE.
- 8 OPTIONAL CENTER MODULE WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE.



THIS DRAWING IS A CONTROLLED DOCUMENT.

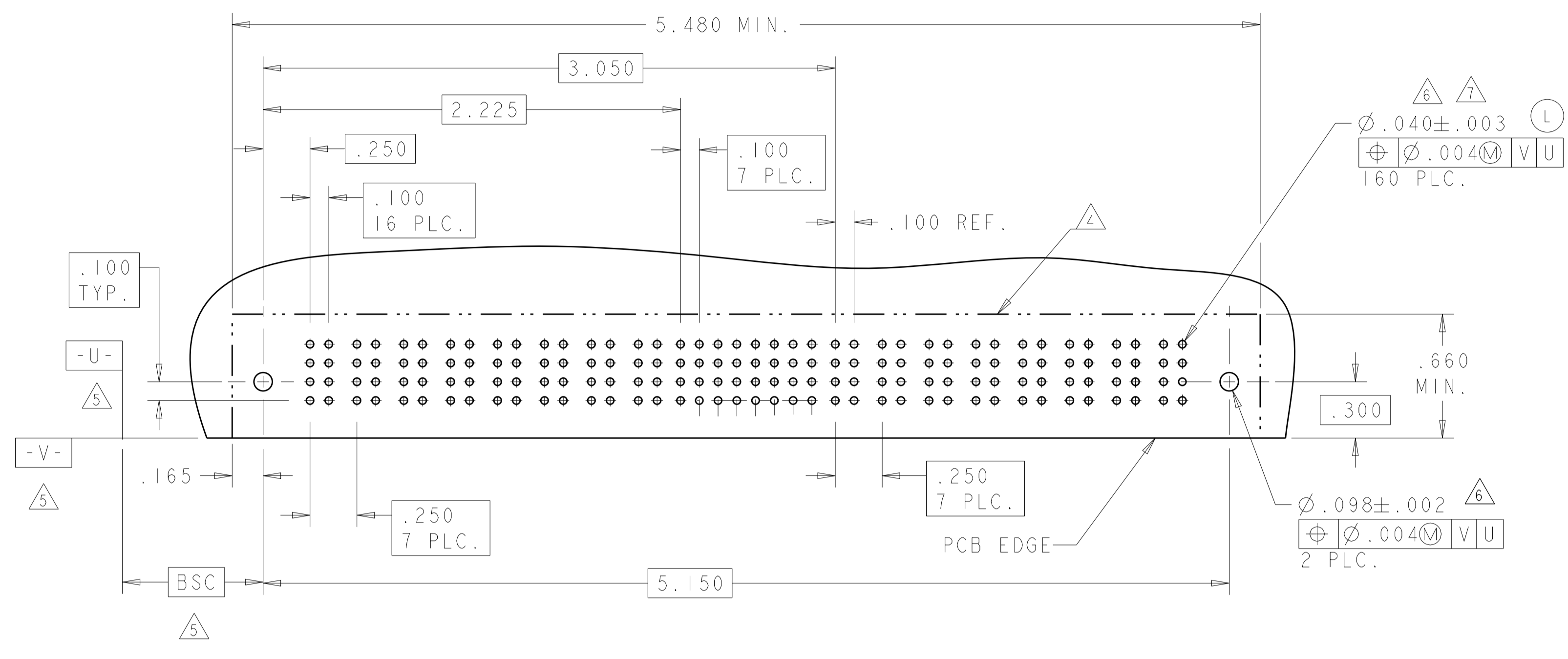
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	DMN: R.GRZYBOWSKI 02FEB05 CHK: M.PERCHEKKE 02FEB05 APVD: M.PERCHEKKE 02FEB05	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
MATERIAL:	FINISH:	PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: -	SIZE: A1 CAGE CODE: 6450120 DRAWING NO: 100779

STE TE Connectivity

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 21 REV L1

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

PART NUMBER	ROWS	POWER							SIGNAL								POWER												
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	7	8	P9	P10	P11	P12	P13	P14	P15	P16				
6450120-1	D	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM					
	K								K	K	K	K	K	K	K														
	N								N	N	N	N	N	N	N														
B	PM	PM	PM	PM	PM	PM	PM	S	S	S	S	S	S	S	S	PM	PM	PM	PM	PM	PM	PM	PM						
A								S	S	S	S	S	S	S															
8P + 32S + 8P																													



3.100	.250	.250	2.250	1.875	3.150	-	3.450	.450	6P + 12S + 4P	6-6450120-4
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.475	3P + 24S + 3P	6-6450120-1
3.000	.300	.250	1.650	1.325	3.050	-	3.350	.475	3ACP + 8S + 6P	6-6450120-0
1.900	.300	.250	1.550	1.275	1.950	-	2.250	.475	3ACP + 8S + 2P	5-6450120-9
2.800	-	-	-	0.375	2.850	-	3.150	-	100S	5-6450120-8
2.700	.250	.250	2.100	1.125	2.750	-	3.050	.450	3P + 36S + 3P	5-6450120-7
1.100	-	-	1.000	.625	1.150	-	1.450	.450	1P + 12S + 1P	5-6450120-6
3.250	.300	.250	2.525	2.175	3.300	-	3.600	.450	7P + 8S + 3ACP	5-6450120-5
2.400	.250	.250	1.550	.875	2.450	-	2.750	.450	2P + 24S + 4P	5-6450120-3
5.400	.300	.300	2.875	2.175	5.450	-	5.750	.475	6P + 24S + 9P	5-6450120-2
3.800	.250	.300	1.875	1.375	3.850	-	4.150	.450	4P + 16S + 7ACP	5-6450120-0
1.600	.250	.250	1.250	.875	1.650	-	1.950	.450	2P + 12S + 2P	4-6450120-9
2.900	.250	.250	2.050	1.375	2.950	-	3.250	.450	4P + 24S + 4P	4-6450120-8
1.900	.250	.250	1.550	0.875	1.950	-	2.250	.450	2P + 24S + 2P	4-6450120-7
2.000	.250	.250	1.400	1.125	2.050	-	2.350	.450	3P + 8S + 3P	4-6450120-6
2.900	.250	.250	3.550	2.875	5.950	-	6.250	.450	10P + 24S + 10P	4-6450120-5
3.700	.200	.300	2.700	2.025	3.750	-	4.050	.450	8P + 24S + 4ACP	4-6450120-4
2.900	.300	.250	2.050	1.575	2.950	-	3.250	.475	4ACP+16S+4P	4-6450120-3
4.375	.250	.300	3.375	2.375	4.425	3.100	4.725	.450	8P + 24S + 1M + 4ACP	4-6450120-2
4.100	.300	.250	2.250	1.575	4.150	-	4.450	.475	4ACP + 24S + 8P	4-6450120-0
3.800	.250	.250	3.450	.875	3.850	-	4.150	.450	2P + 100S + 2P	3-6450120-6
4.600	.250	.250	3.250	1.875	4.650	-	4.950	.450	6P + 52S + 6P	3-6450120-5
5.100	.250	.250	3.500	2.175	5.150	-	5.450	.450	7P + 48S + 7P	3-6450120-4
3.500	.250	.300	2.775	2.375	3.550	-	3.850	.450	8P + 12S + 3ACP	3-6450120-3
4.000	.200	.200	2.700	1.825	4.050	-	4.350	.450	7HDP + 32S + 7HDP	3-6450120-0
3.900	.250	.250	2.550	1.875	3.950	-	4.250	.450	6P + 24S + 6P	2-6450120-7
5.200	.300	.250	2.350	1.625	5.250	-	5.550	.475	4ACP + 24S + 12P	2-6450120-6
2.500	.250	.250	2.150	1.425	2.550	-	2.850	.450	4P + 24S + 2P	2-6450120-5
3.600	.250	.250	2.500	1.625	3.650	-	3.950	.450	5P + 32S + 5P	2-6450120-4
2.500	.250	.250	2.150	.875	2.550	-	2.850	.450	2P + 48S + 2P	2-6450120-3
4.500	.300	.250	1.650	.975	4.550	-	4.850	.475	2ACP + 24S + 12P	2-6450120-2
2.850	.250	.250	2.000	1.125	2.900	-	3.200	.450	3P + 32S + 4P	2-6450120-1
3.950	.200	.250	2.125	1.025	4.000	-	4.300	.425	3P + 40S + 8P	2-6450120-0
1.400	-	-	1.300	.625	1.450	-	1.750	.450	1P + 24S + 1P	1-6450120-6
2.000	.300	.300	1.575	.975	2.050	-	2.350	.475	2P + 20S + 2P	1-6450120-4
1.200	-	-	1.100	.625	1.250	-	1.550	.450	1P + 16S + 1P	1-6450120-3
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	1-6450120-2
2.675	.200	.200	2.375	1.650	2.725	-	3.025	.450	5P + 24S + 2P	1-6450120-1
4.350	.250	.250	3.500	2.625	4.400	-	4.700	.450	9P + 32S + 4P	1-6450120-0
4.150	.250	.250	2.800	2.125	4.200	-	4.500	.450	7P + 24S + 6P	6450120-9
2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	6450120-8
3.050	.300	.250	1.950	1.275	3.100	-	3.400	.475	3ACP + 24S + 5P	6450120-7
7.400	.250	.250	5.050	2.875	7.450	-	7.750	.450	10P + 84S + 10P	6450120-6
4.350	.250	.250	3.000	2.125	4.400	-	4.700	.450	7P + 32S + 6P	6450120-5
3.650	.250	.250	2.550	1.875	3.700	-	4.000	.450	6P + 24S + 5P	6450120-4
2.900	.250	.250	1.800	1.125	2.950	-	3.250	.450	3P + 24S + 5P	6450120-3
1.900	.250	.250	1.550	0.875	1.950	-	2.250	.450	2P + 24S + 2P	6450120-2
5.100	.250	.250	3.250	2.375	5.150	-	5.450	.450	8P + 32S + 8P	6450120-1

U	S	T	R	W	D	M	L	K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.01
 1 PLC ±.01
 2 PLC ±.01
 3 PLC ±.005
 4 PLC ±.002
 ANGLES ±.002

MATERIAL: .
 FINISH: .

DMN: R. GRZYBOWSKI 02FEB05
 CHK: M. PERCHERKE 02FEB05
 APVD: M. PERCHERKE 02FEB05

NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL

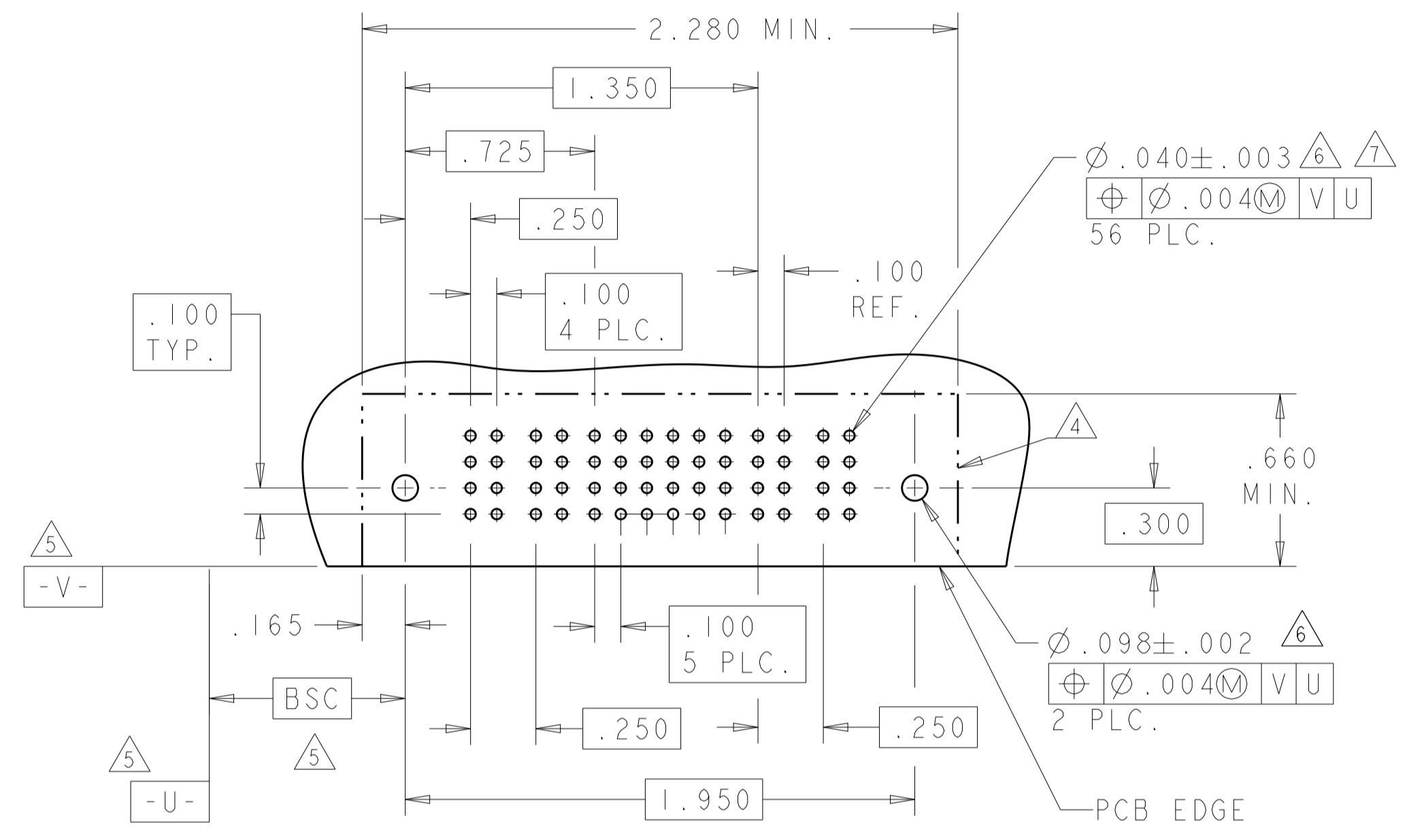
PRODUCT SPEC: 108-1973
 APPLICATION SPEC: 114-13038

SIZE: A100779
 CAGE CODE: 6450120
 DRAWING NO: 6450120

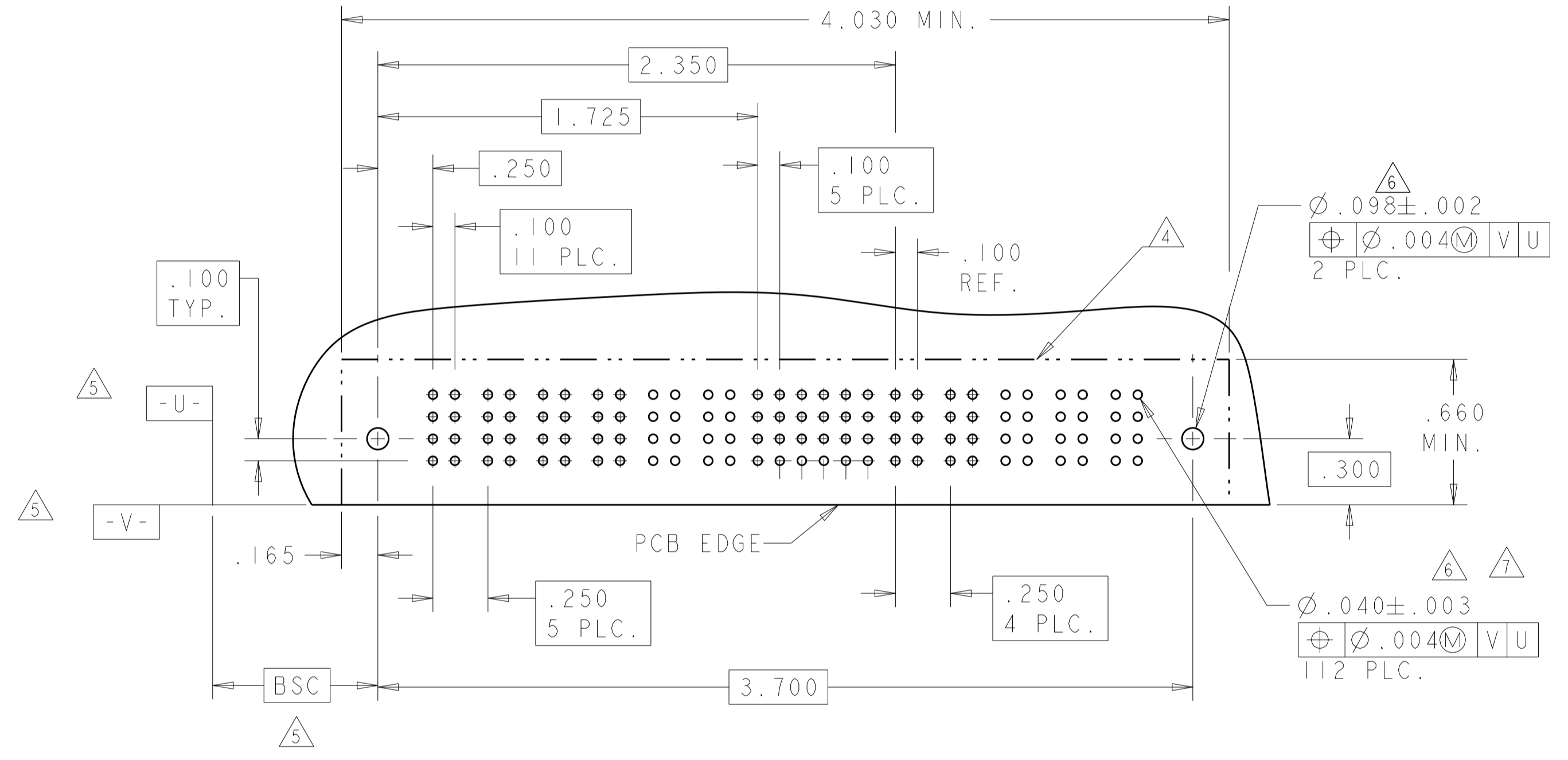
RESTRICTED TO: .
 SCALE: 4:1
 SHEET: 2 OF 21
 REV: L1

LOC	DIST	REV	DATE	BY	APPV
ES	00				

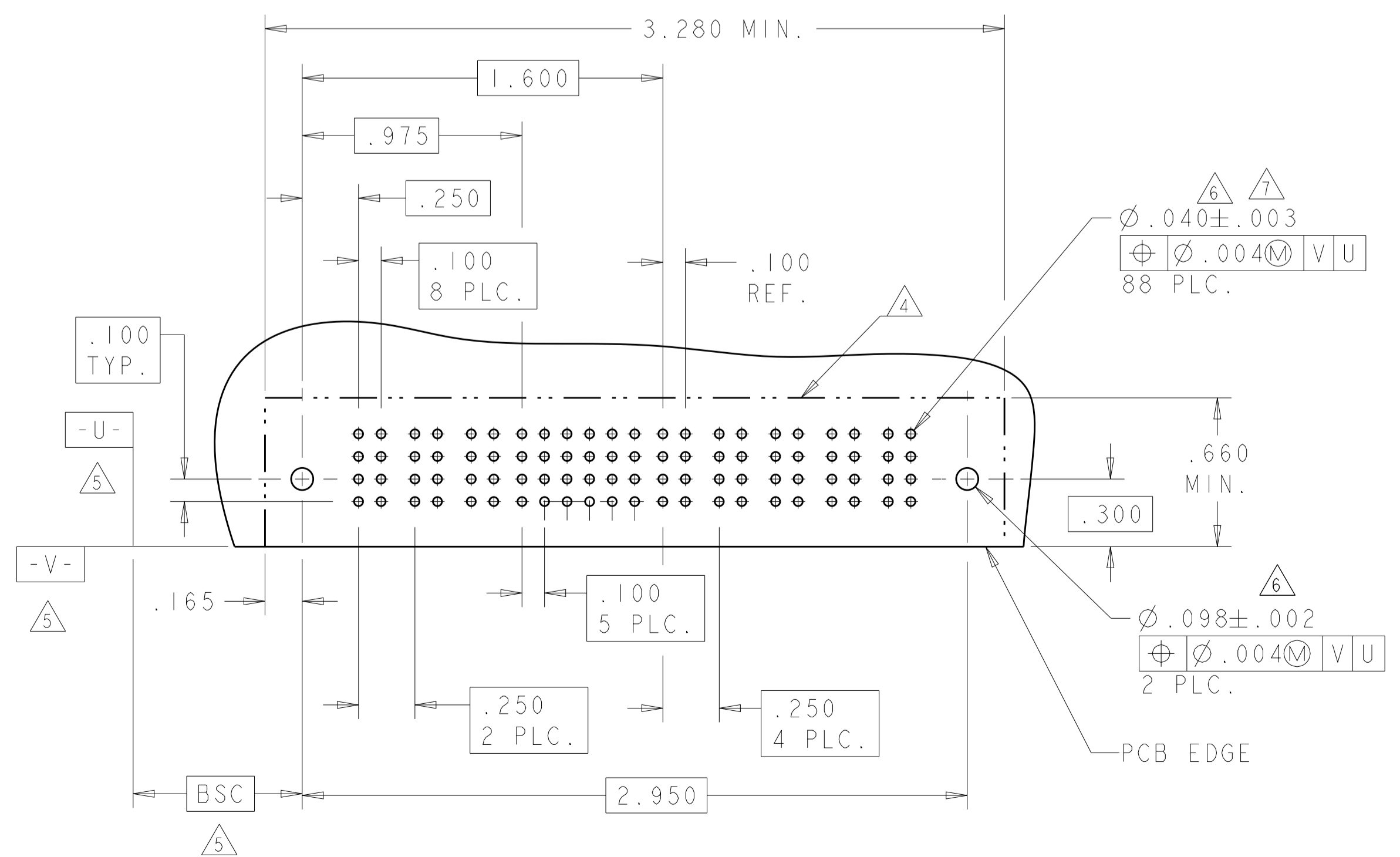
PART NUMBER	ROWS	POWER		SIGNAL						POWER			
		P1	P2	1	2	3	4	5	6	P3	P4		
6450120-2	D C B A	PM	PM	J	J	J	J	J	J	PM	PM	HD	HD
				K	K	K	K	K	K				
				N	N	N	N	N	N				
				S	S	S	S	S	S				
2P + 24S + 2P													



PART NUMBER	ROWS	POWER						SIGNAL						POWER											
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	P7	P8	P9	P10	P11							
6450120-4	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM						
																				J	J	J	J	J	J
																				K	K	K	K	K	K
																				N	N	N	N	N	N
6P + 24S + 5P																									



PART NUMBER	ROWS	POWER			SIGNAL						POWER						
		P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	P7	P8		
6450120-3	D C B A	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM
					K	K	K	K	K	K							
					N	N	N	N	N	N							
					S	S	S	S	S	S							
3P + 24S + 5P																	



H	MLBF	.135	A
G	MLBF	.135	B
F	MLBF	.135	C
E	MLBF	.135	D
L4	STD	.165	D
L3	STD	.165	B
L2	STD	.165	C
L1	STD	.165	A
Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
F	MLBF	.135	C
G	MLBF	.135	B
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL CONTACT			

PD	.165
PA	.090
PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

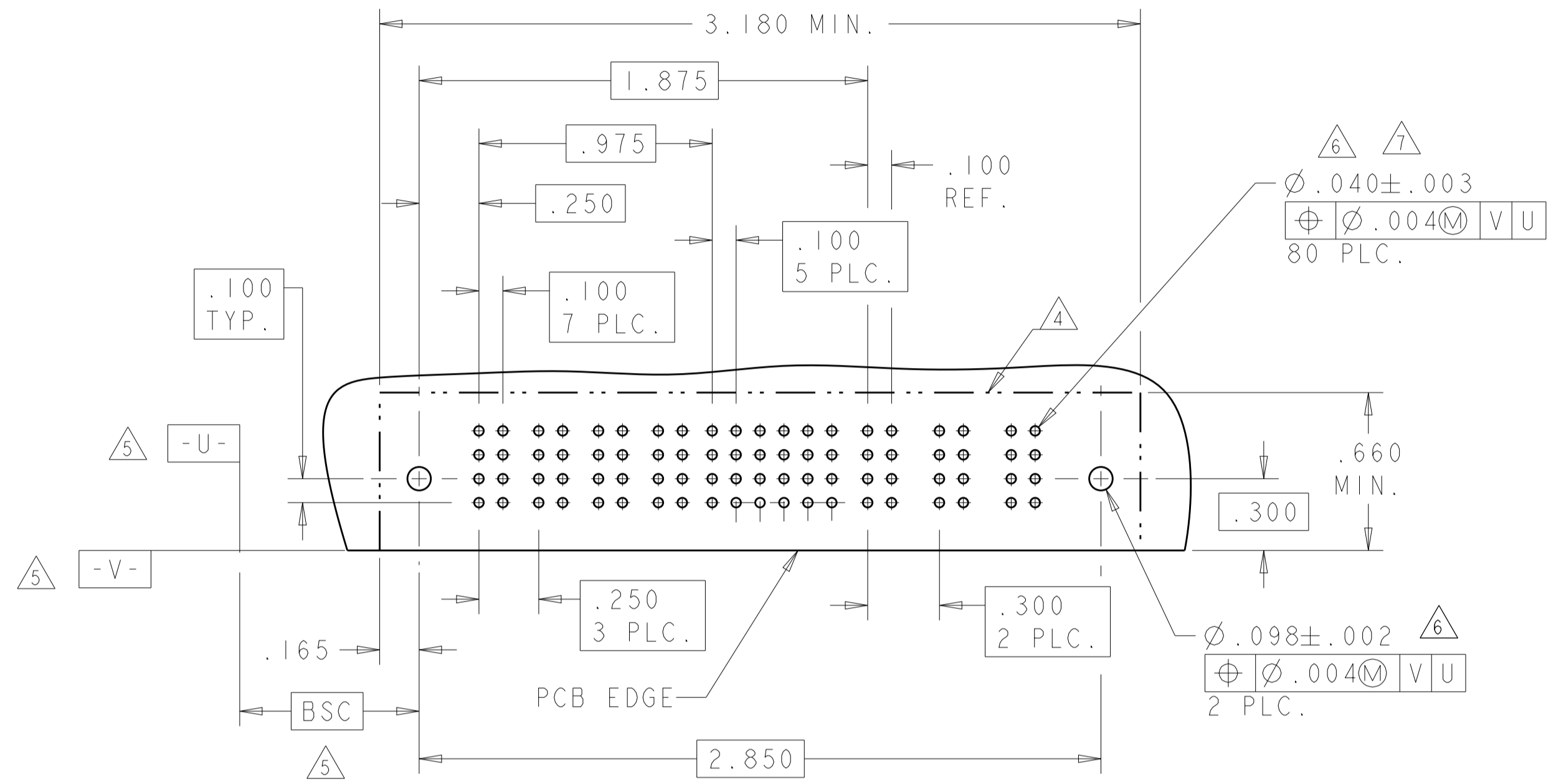
THIS DRAWING IS A CONTROLLED DOCUMENT. **STE** TE Connectivity

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ±.01	1 PLC ±.01	2 PLC ±.01	3 PLC ±.01	4 PLC ±.01	5 PLC ±.01	6 PLC ±.01	7 PLC ±.01	8 PLC ±.01	9 PLC ±.01	10 PLC ±.01	11 PLC ±.01	12 PLC ±.01	13 PLC ±.01	14 PLC ±.01	15 PLC ±.01	16 PLC ±.01	17 PLC ±.01	18 PLC ±.01	19 PLC ±.01	20 PLC ±.01	21 PLC ±.01	22 PLC ±.01	23 PLC ±.01	24 PLC ±.01	25 PLC ±.01	26 PLC ±.01	27 PLC ±.01	28 PLC ±.01	29 PLC ±.01	30 PLC ±.01
--------------------	--	------------	------------	------------	------------	------------	------------	------------	------------	------------	------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

DWG: R.GRZYBOWSKI 02FEB05
 CHK: M.PERCHEK 02FEB05
 APVD: M.PERCHEK 02FEB05
 PRODUCT SPEC: 108-1973
 APPLICATION SPEC: 114-13038
 WEIGHT: -
 MATERIAL: -
 FINISH: -
 CUSTOMER DRAWING: A100779
 SCALE: 4:1
 SHEET: 3 OF 21
 REV: L1

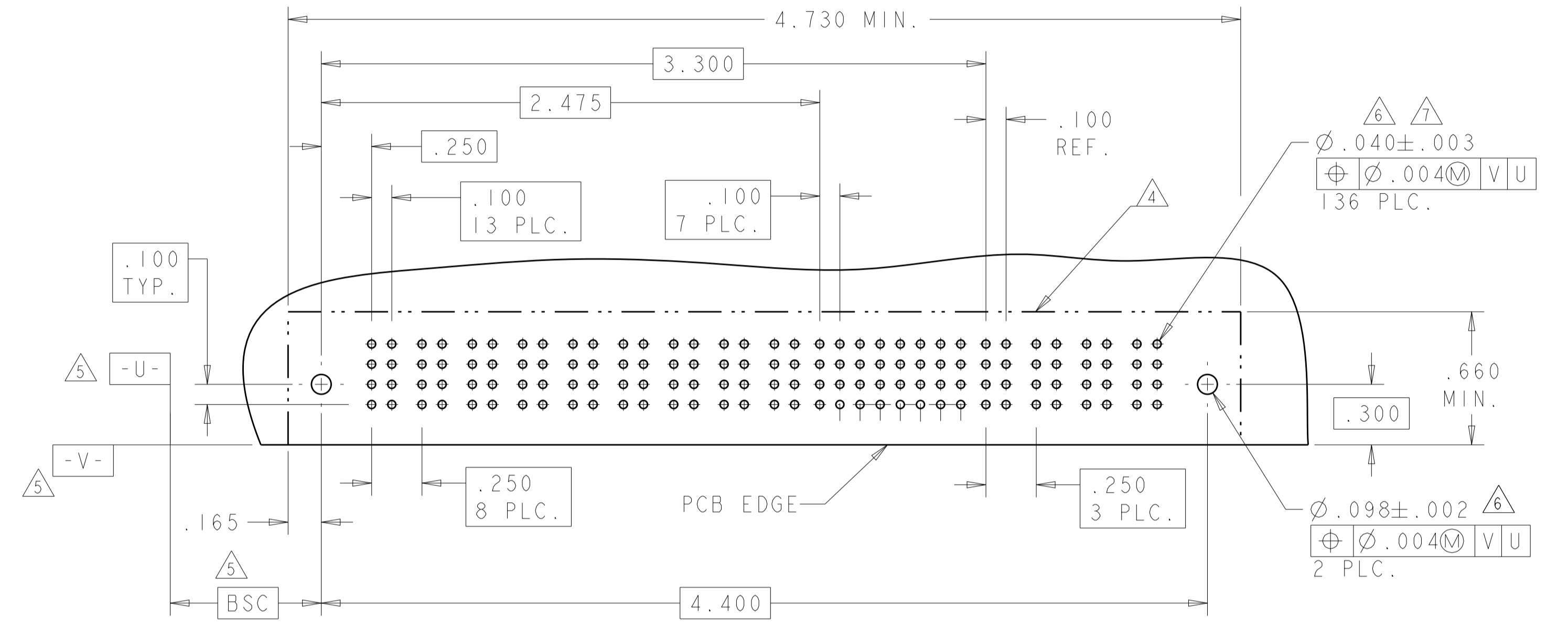
PART NUMBER	ROWS	POWER				SIGNAL						POWER		
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7
6450120-8	D C B A	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM
						K	K	K	K	K	K			
						N	N	N	N	N	N			
						S	S	S	S	S	S			

4P + 24S + 3ACP



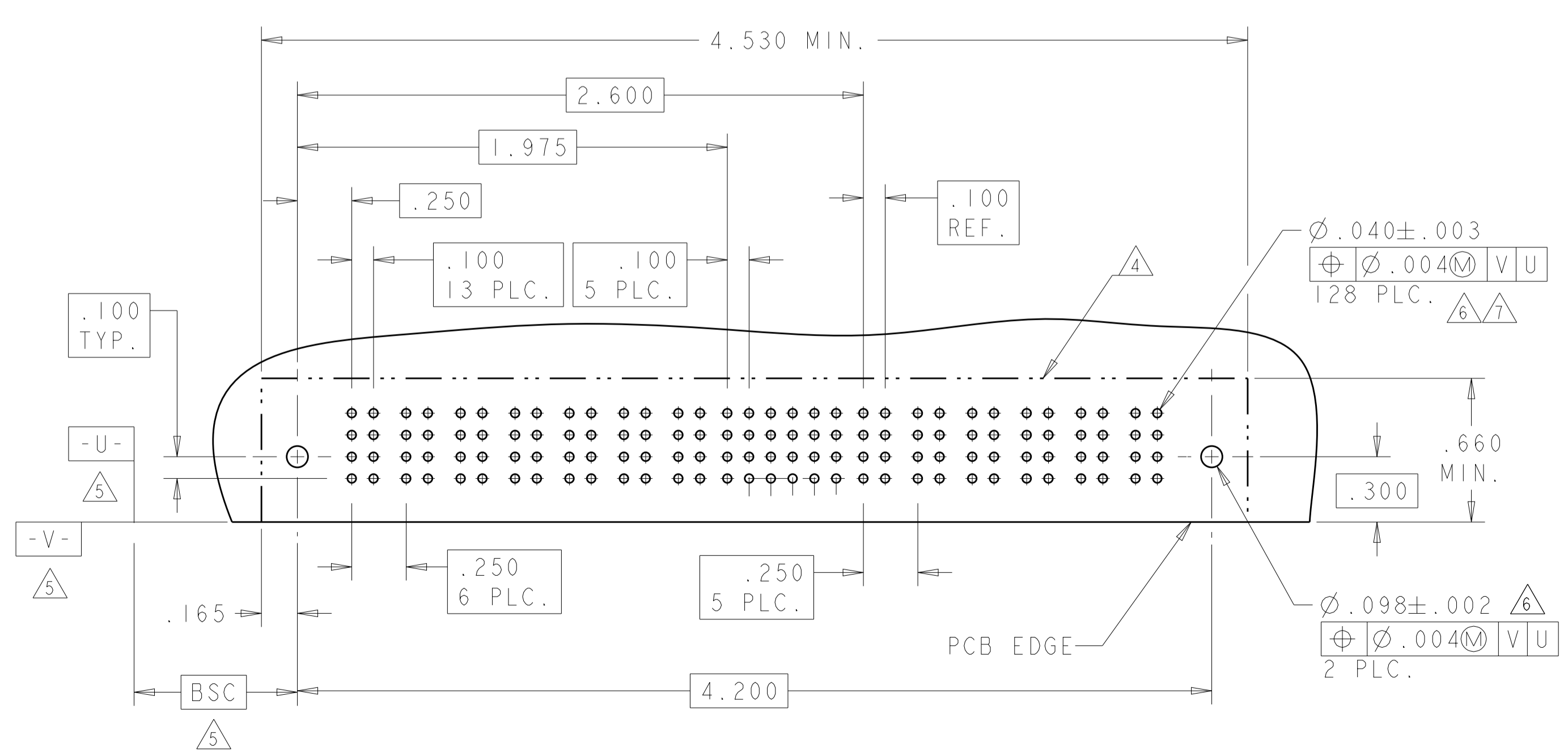
PART NUMBER	ROWS	POWER									SIGNAL								POWER			
		P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	7	8	P10	P11	P12	P13
1-6450120-0	D C B A	PM	PM		PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	J	J	PM	PM	PM	PM
											K	K	K	K	K	K	K	K				
											N	N	N	N	N	N	N	N				
											S	S	S	S	S	S	S	S				

9P + 32S + 4P



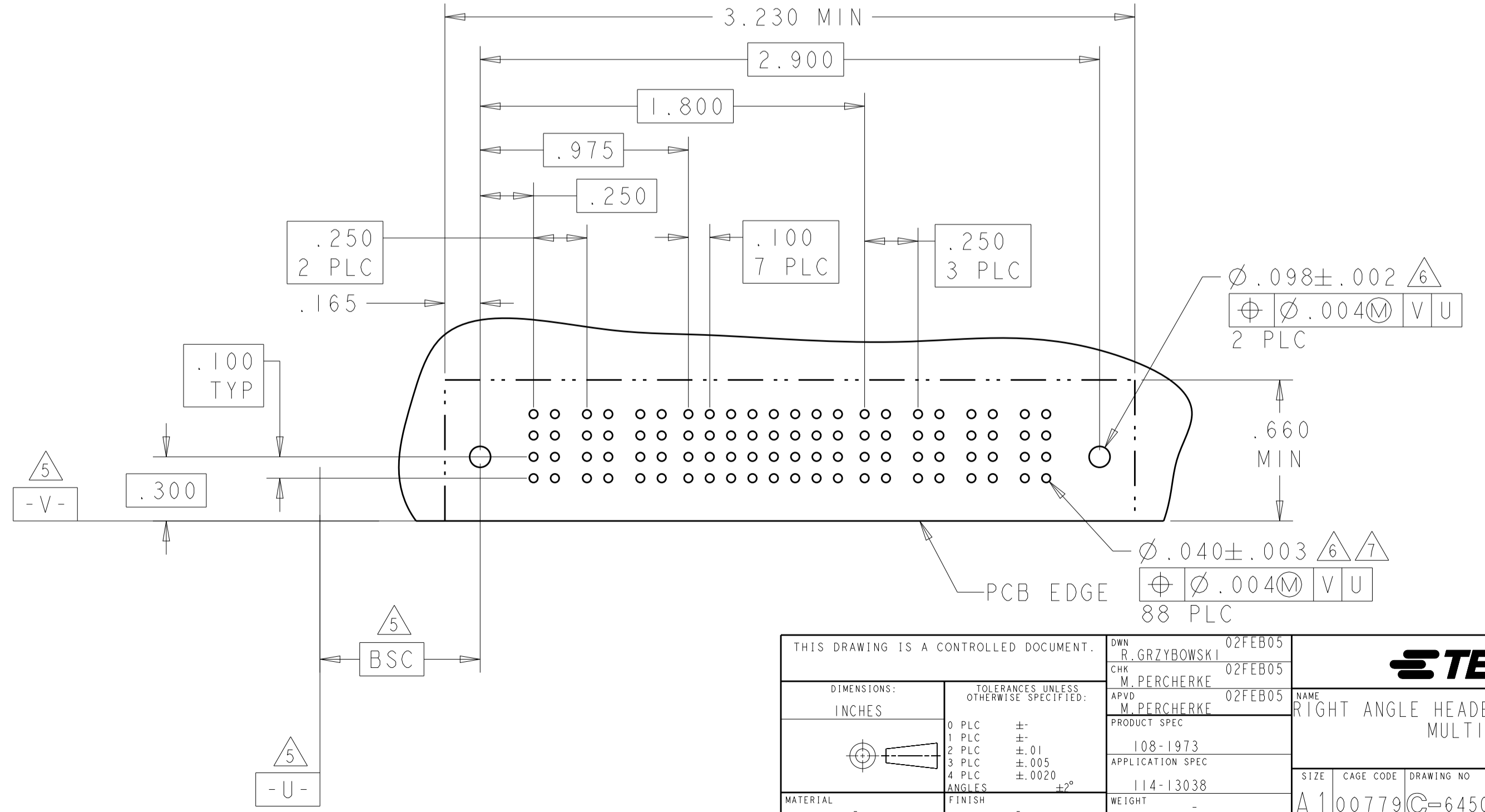
PART NUMBER	ROWS	POWER							SIGNAL						POWER					
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6450120-9	D C B A	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM
									K	K	K	K	K	K						
									N	N	N	N	N	N						
									S	S	S	S	S	S						

7P + 24S + 6P



PART NUMBER	ROWS	POWER			SIGNAL								POWER				
		P1	P2	P3	1	2	3	4	5	6	7	8	P4	P5	P6	P7	
2-1450120-1	4 3 2 1	PM	PM	PM	J	J	J	J	J	J	J	J	J	PM	PM	PM	PM
					K	K	K	K	K	K	K	K	K				
					N	N	N	N	N	N	N	N	N				
					S	S	S	S	S	S	S	S	S				

3P + 32S + 4P

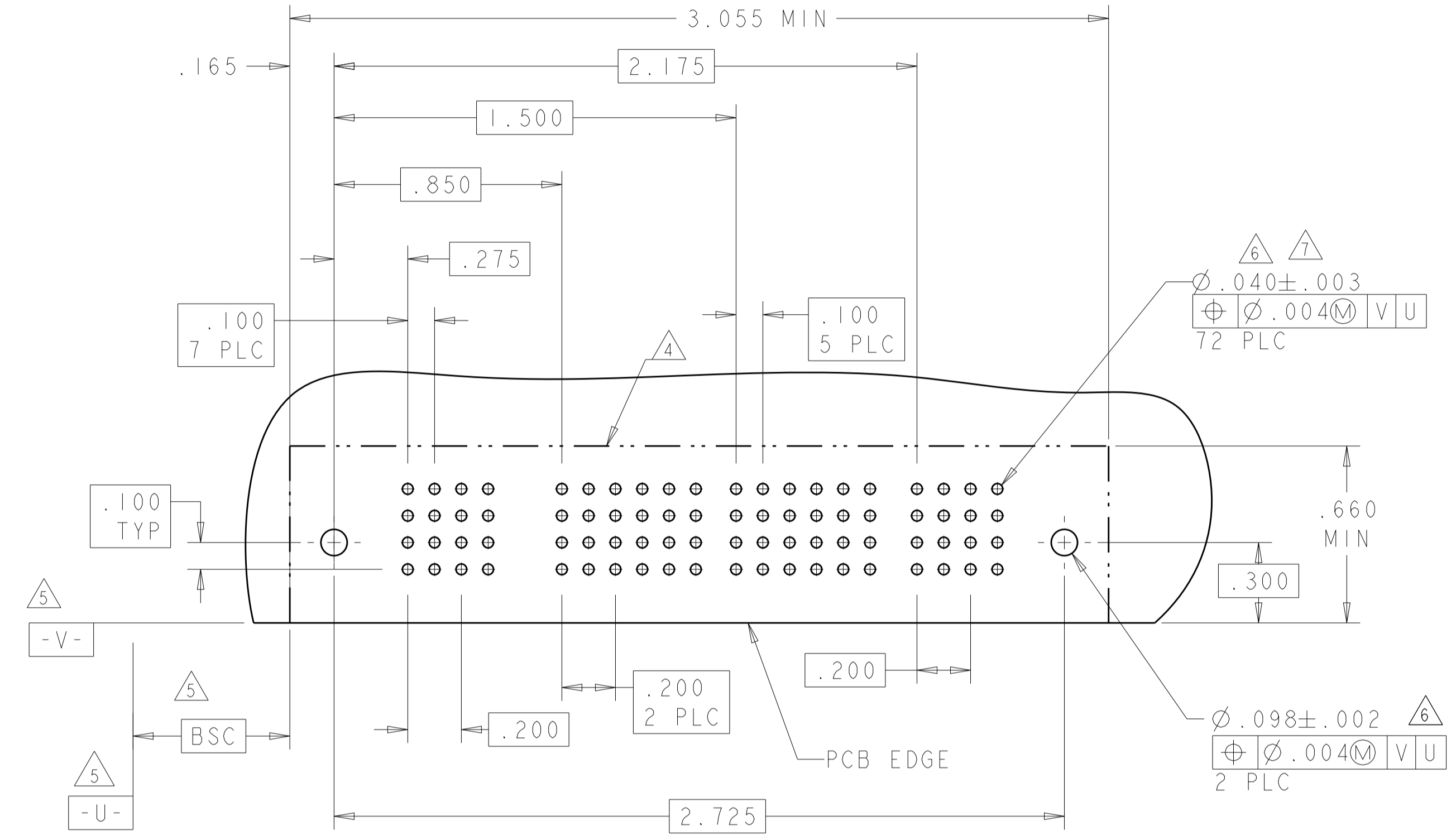


THIS DRAWING IS A CONTROLLED DOCUMENT.

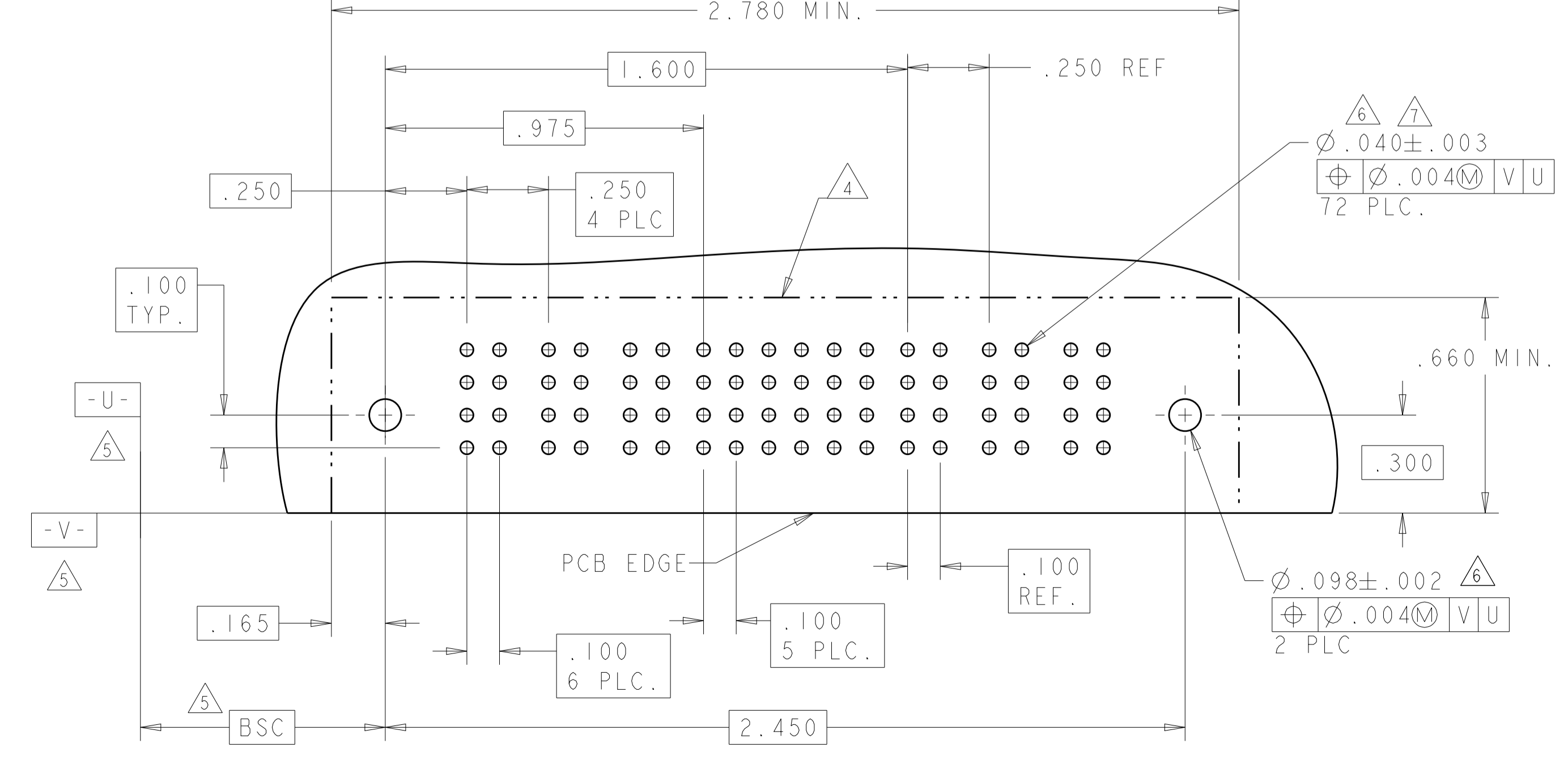
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN: R. GRZYBOWSKI	02FEB05
INCHES:	0 PLC ±.01	CHK: M. PERCHERKE	02FEB05
	1 PLC ±.01	APVD: M. PERCHERKE	02FEB05
	2 PLC ±.01	PRODUCT SPEC:	108-1973
	3 PLC ±.01	APPLICATION SPEC:	114-13038
	4 PLC ±.01	WEIGHT:	A100779
	ANGLES ±.0020	FINISH:	C=6450120

STE TE Connectivity
 RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
 SCALE 4:1 SHEET 5 OF 21

PART NUMBER	ROWS	POWER					SIGNAL						POWER	
		P1	P2	P3	P4	P5	1	2	3	4	5	6	P6	P7
I-6450120-1	D	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	HD
	C					K	K	K	K	K	K			
	B					N	N	N	N	N	N			
A	S	S	S	S	S	S								
5P + 24S + 2P														

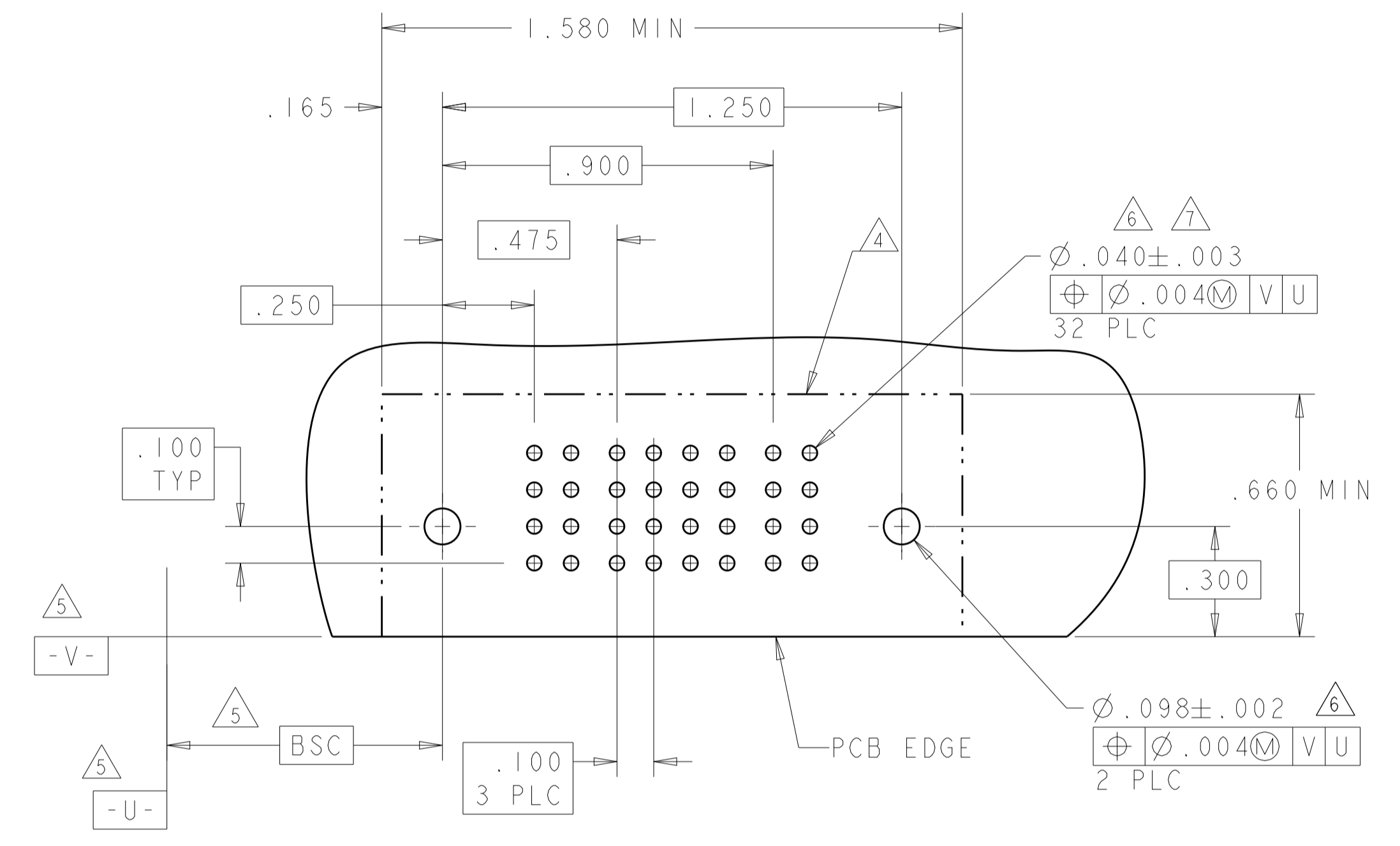


PART NUMBER	ROWS	POWER			SIGNAL						POWER		
		P1	P2	P3	1	2	3	4	5	6	P4	P5	P6
I-6450120-2	D	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM
	C				K	K	K	K	K				
	B				N	N	N	N	N				
A	S	S	S	S	S	S							
3P + 24S + 3P													

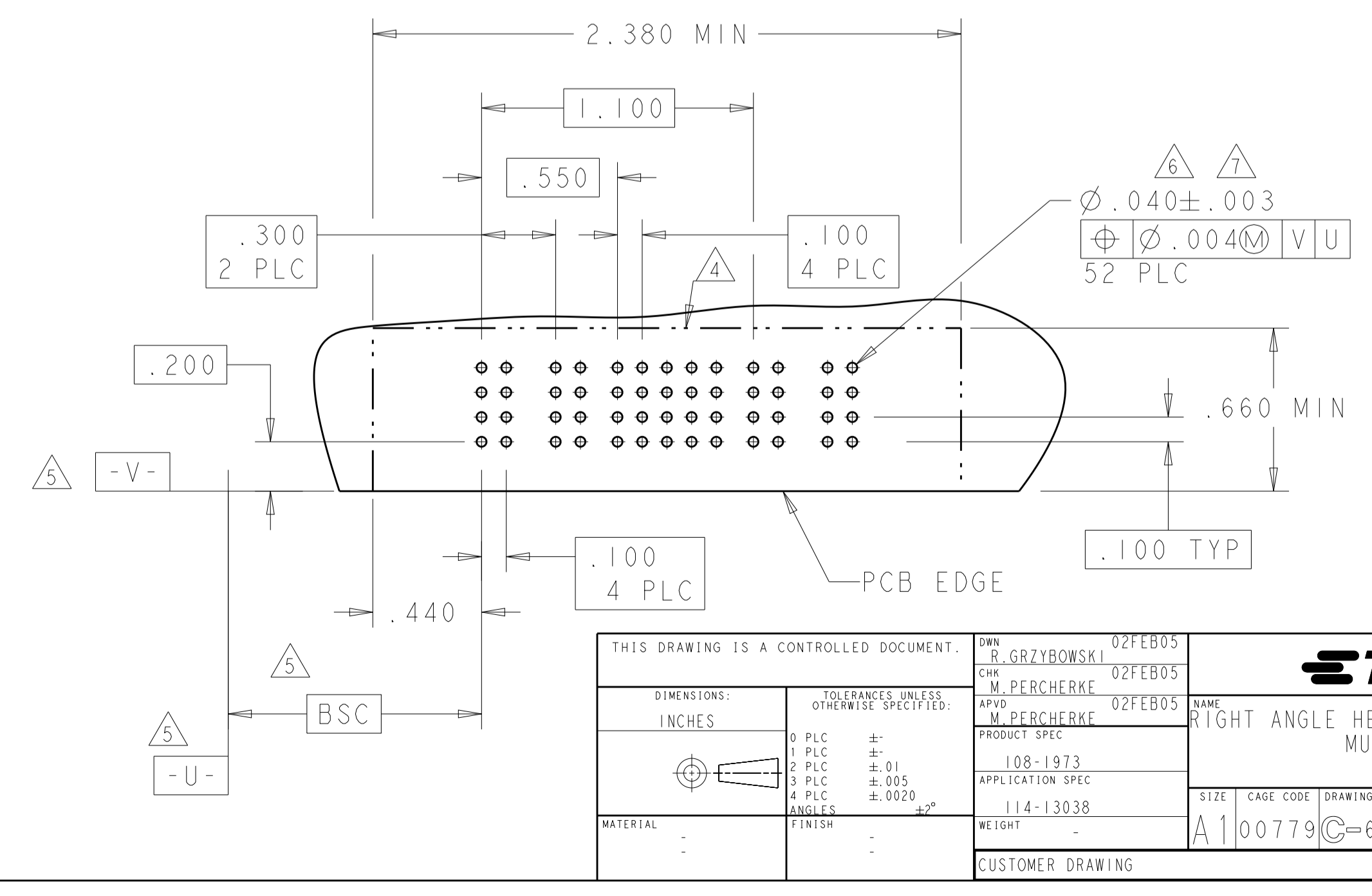


LOC	DIST	REVISIONS			
ES	00	REV	DATE	BY	APPD
		1			
		2			

PART NUMBER	ROWS	POWER		SIGNAL				POWER
		P1	P2	1	2	3	4	P2
I-6450120-3	D	PM	PM	J	J	J	J	PM
	C			K	K	K	K	
	B			N	N	N	N	
A	S	S	S	S				
IP + 16S + IP								



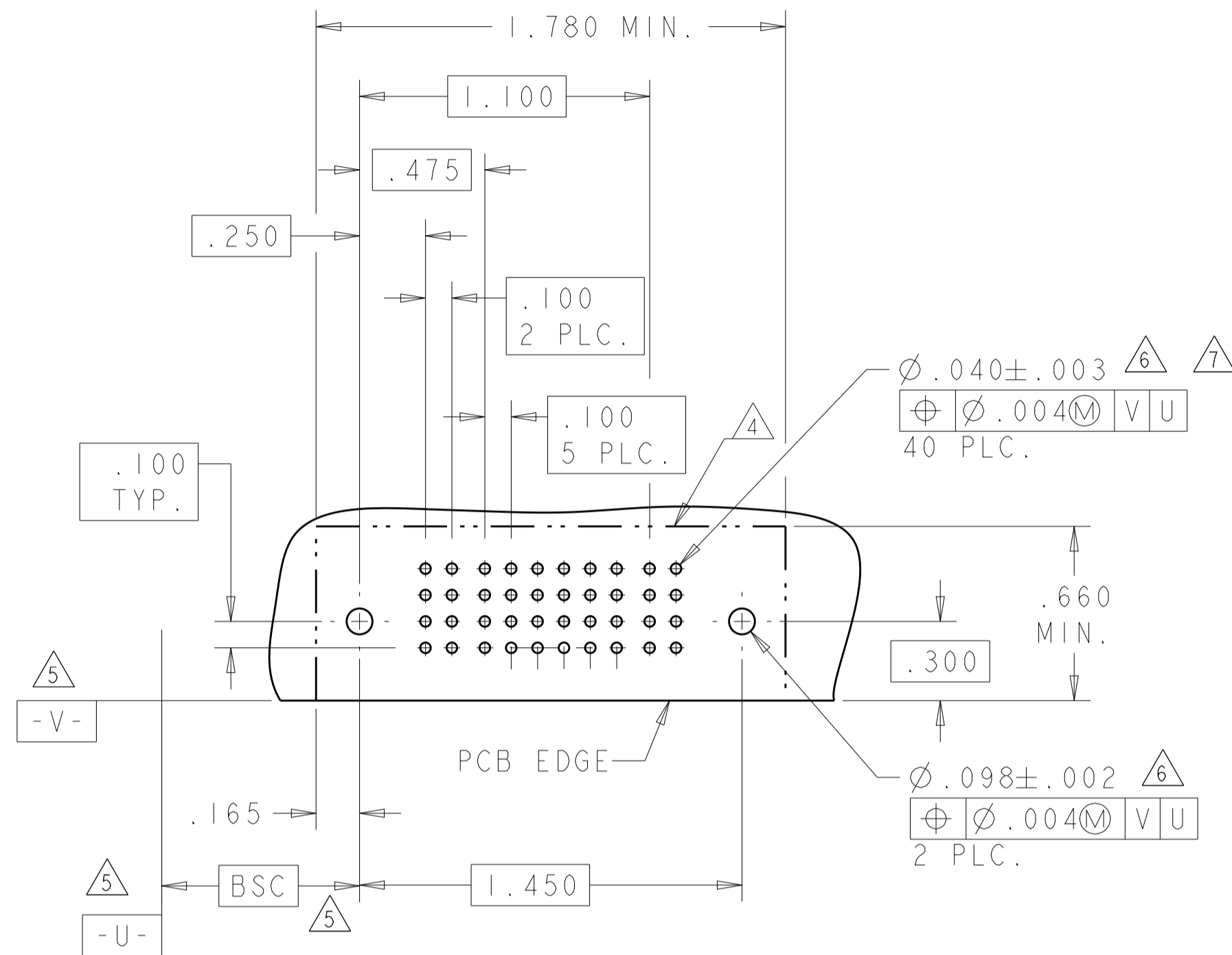
PART NUMBER	ROWS	POWER		SIGNAL					POWER	
		P1	P2	1	2	3	4	5	P3	P4
I-6450120-4	D	PM	PM	J	J	J	J	J	PM	PM
	C			K	K	K	K			
	B			N	N	N	N			
A	S	S	S	S						
2P + 20S + 2P										



THIS DRAWING IS A CONTROLLED DOCUMENT.

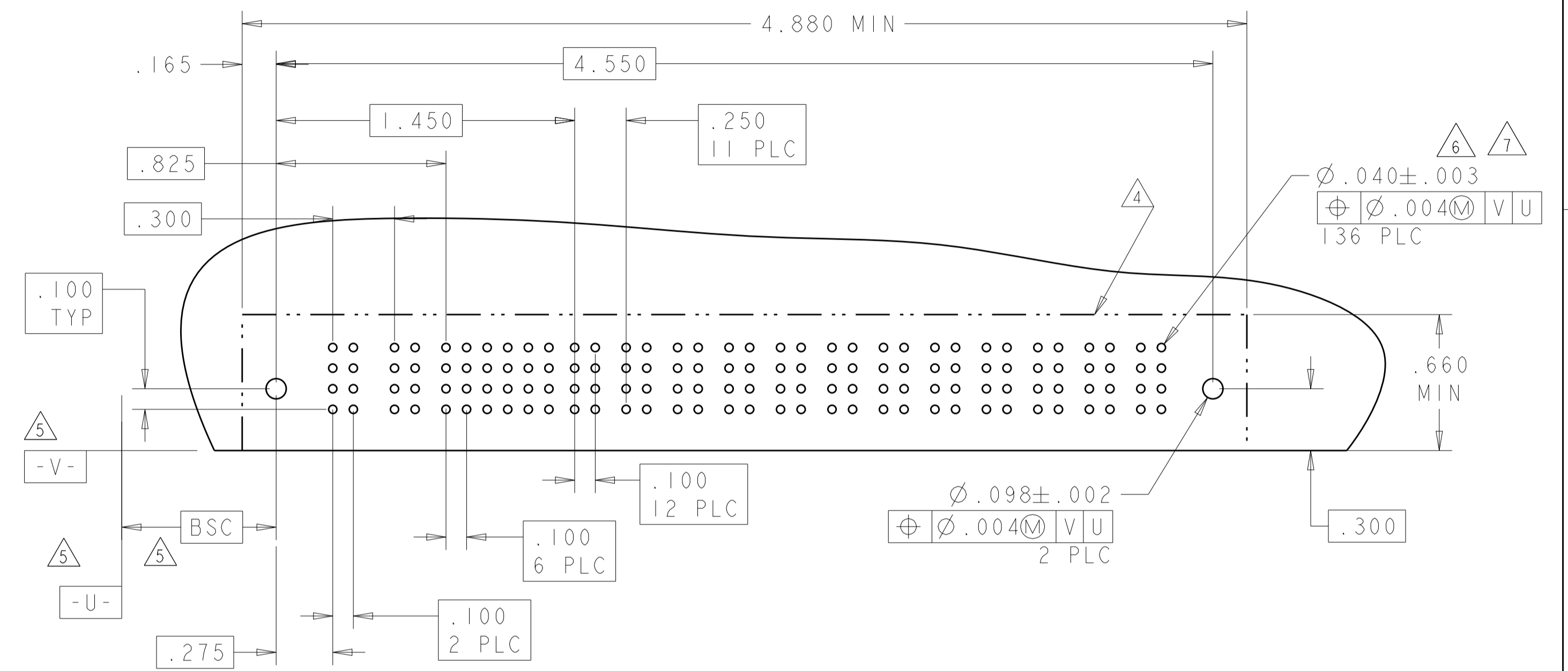
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN: R. GRZYBOWSKI	02FEB05	 TE Connectivity
	0 PLC ± .01	CHK: M. PERCHERKE	02FEB05	
	1 PLC ± .01	APPD: M. PERCHERKE	02FEB05	
	2 PLC ± .01	PRODUCT SPEC		
MATERIAL:	FINISH:	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	SIZE: CAGE CODE: DRAWING NO: A100779	RESTRICTED TO:
		APPLICATION SPEC	108-1973	
		ANGLES: ± .002	114-13038	
		WEIGHT:	SCALE: 4:1	SHEET 6 OF 21
		CUSTOMER DRAWING	SCALE: 4:1	REV: L1

PART NUMBER	ROWS	POWER		SIGNAL						POWER			
		P1	P2	1	2	3	4	5	6	P7	P8		
1-6450120-6	D	PA	PA	Z	Z	Z	Z	Z	Z	PA	PA	HD	HD
	C			Y	Y	Y	Y	Y	Y				
	B			R	R	R	R	R	R				
A	O	O	O	O	O	O							
IP + 24S + IP													

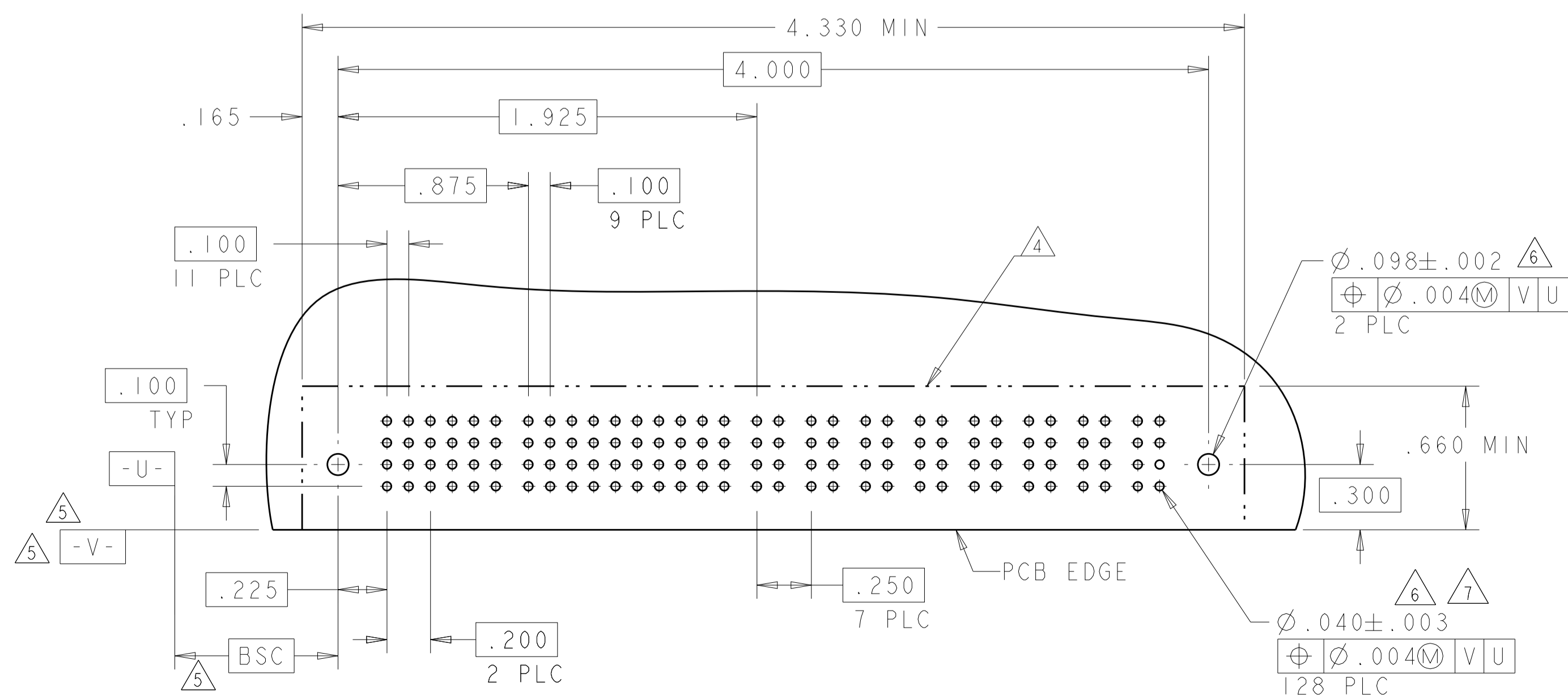


LOC	DIST	REV	DATE	BY	APPV
ES	00				

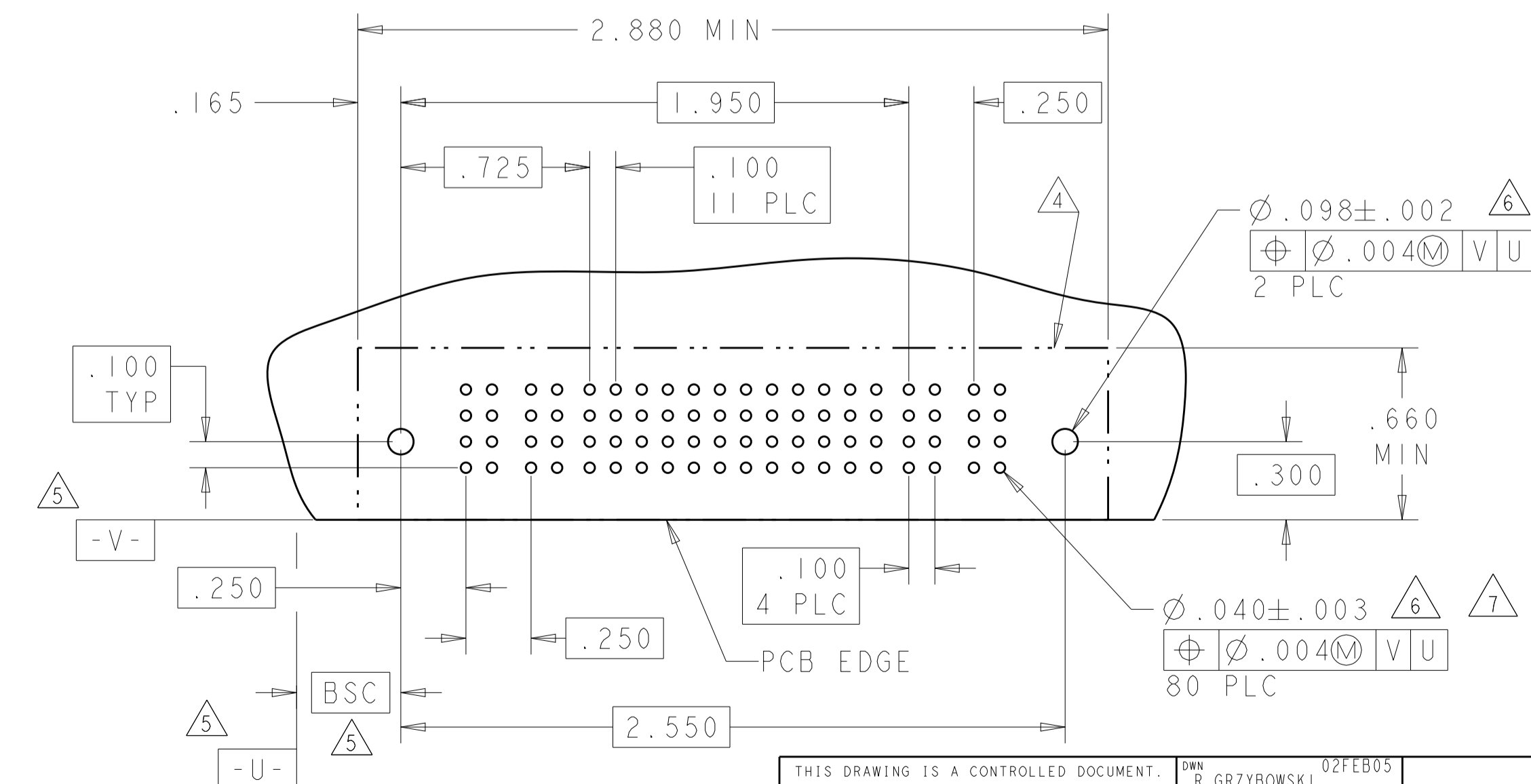
PART NUMBER	ROWS	POWER		SIGNAL						POWER														
		P1	P2	1	2	3	4	5	6	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14			
2-6450120-2	D	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
	C			K	K	K	K	K	K															
	B			N	N	N	N	N	N															
A	S	S	S	S	S	S																		
2ACP + 24S + 12P																								



PART NUMBER	ROWS	POWER			SIGNAL										POWER										
		P1	P2	P3	1	2	3	4	5	6	7	8	9	10	P4	P5	P6	P7	P8	P9	P10	P11			
2-6450120-0	D	PM	PM	PM	J	J	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
	C				K	K	K	K	K	K	K	K	K												
	B				N	N	N	N	N	N	N	N	N	N											
A	S	S	S	S	S	S	S	S	S	S															
3P + 40S + 8P																									



PART NUMBER	ROWS	POWER		SIGNAL												POWER	
		P1	P2	1	2	3	4	5	6	7	8	9	10	11	12	P3	P4
2-6450120-3	D	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	PM	PM
	C			K	K	K	K	K	K	K	K	K	K	K			
	B			N	N	N	N	N	N	N	N	N	N	N	N		
A	S	S	S	S	S	S	S	S	S	S	S	S					
2P + 48S + 2P																	

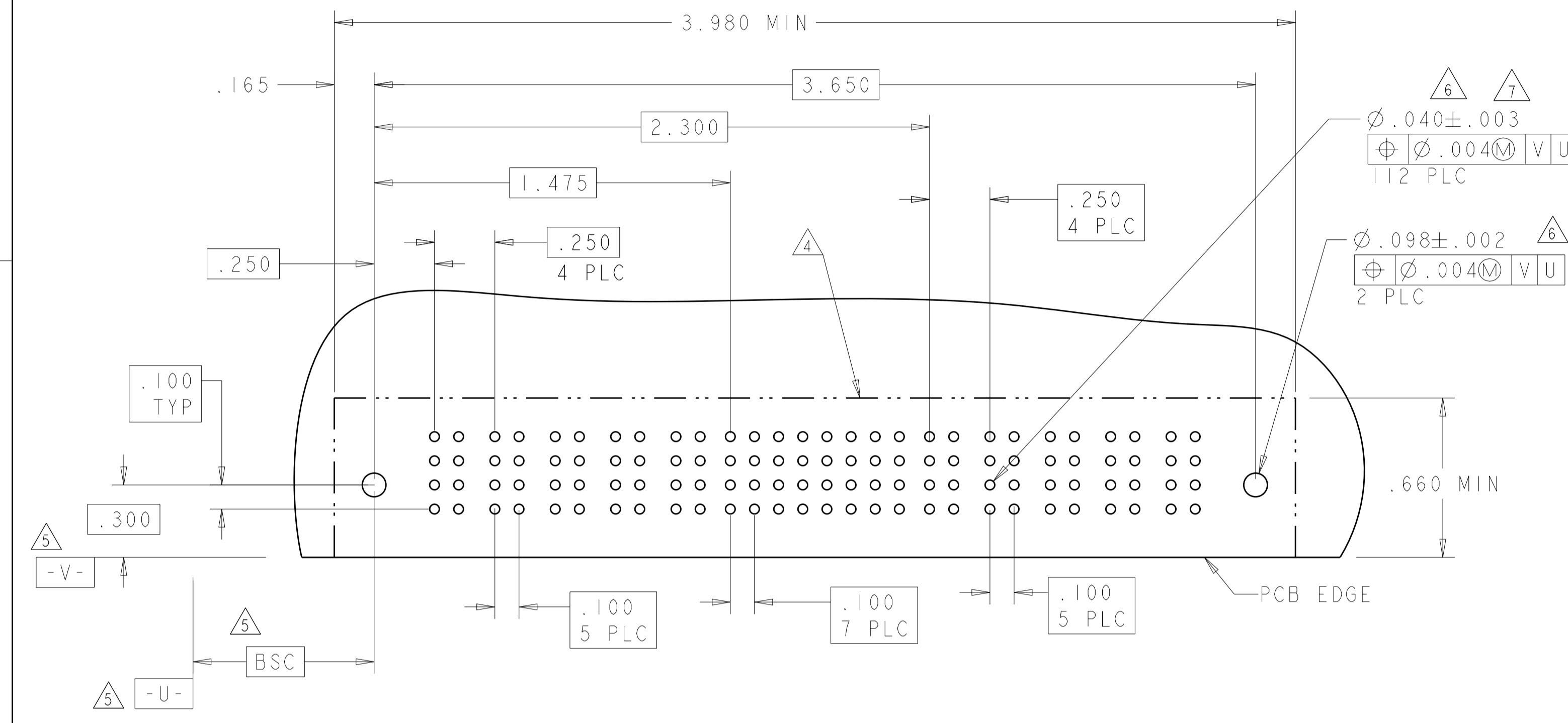


THIS DRAWING IS A CONTROLLED DOCUMENT.

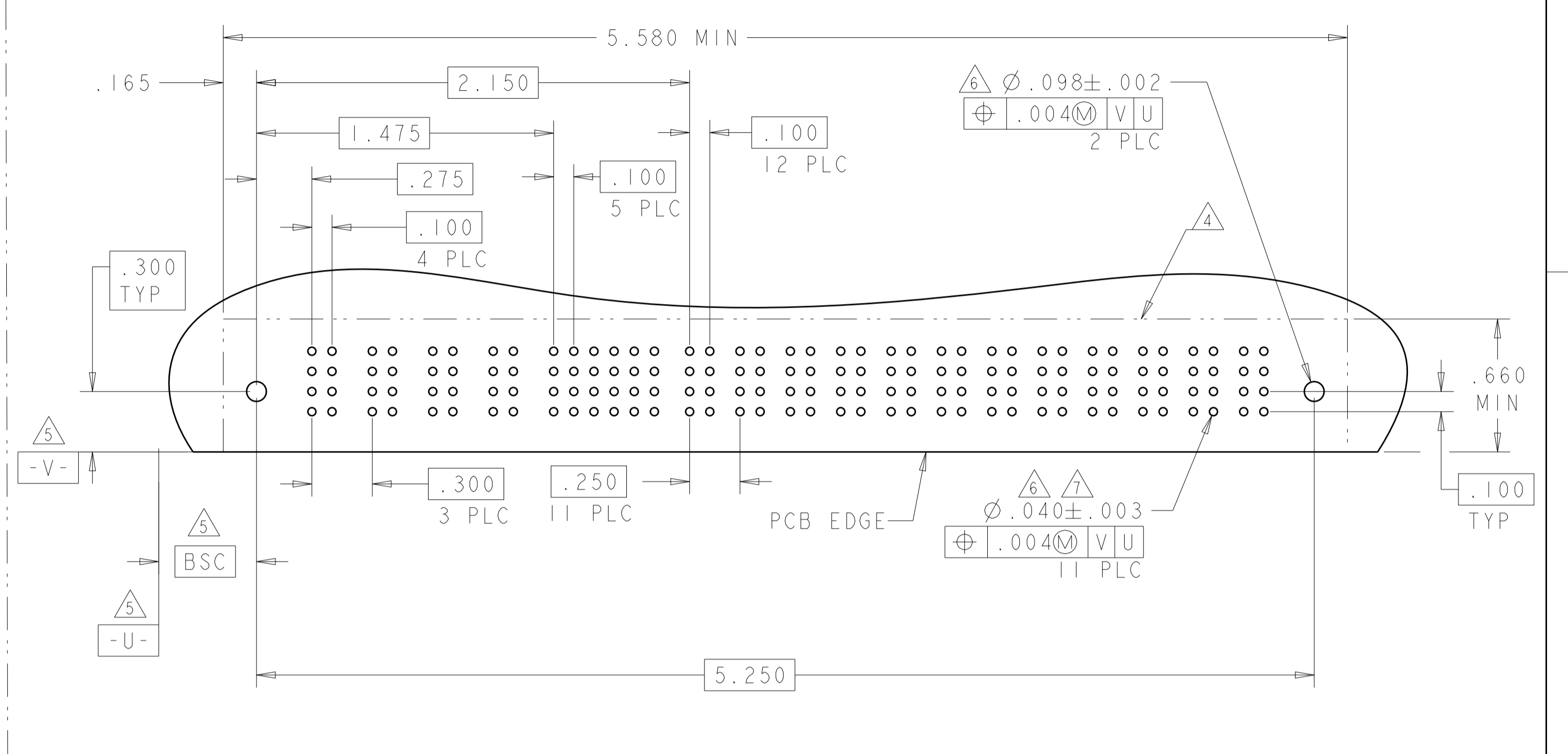
OWN: R. GRZYBOWSKI	02FEB05	 TE Connectivity
CHK: M. PERCHERKE	02FEB05	
APPV: M. PERCHERKE	02FEB05	
PRODUCT SPEC		
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
INCHES:	0 PLC ± .01	SIZE: A1
	1 PLC ± .01	CAGE CODE: 6450120
	2 PLC ± .01	DRAWING NO: 108-1973
	3 PLC ± .01	APPLICATION SPEC: 114-13038
	4 PLC ± .005	WEIGHT: 114-13038
	5 PLC ± .005	CUSTOMER DRAWING
	6 PLC ± .002	SCALE: 4:1
	ANGLES ± .002	SHEET: 7 OF 21
MATERIAL:	FINISH:	REV: L1

LOC	DIST	REVISONS	
P	LTM	DESCRIPTION	DATE
ES	00	SEE SHEET 1	

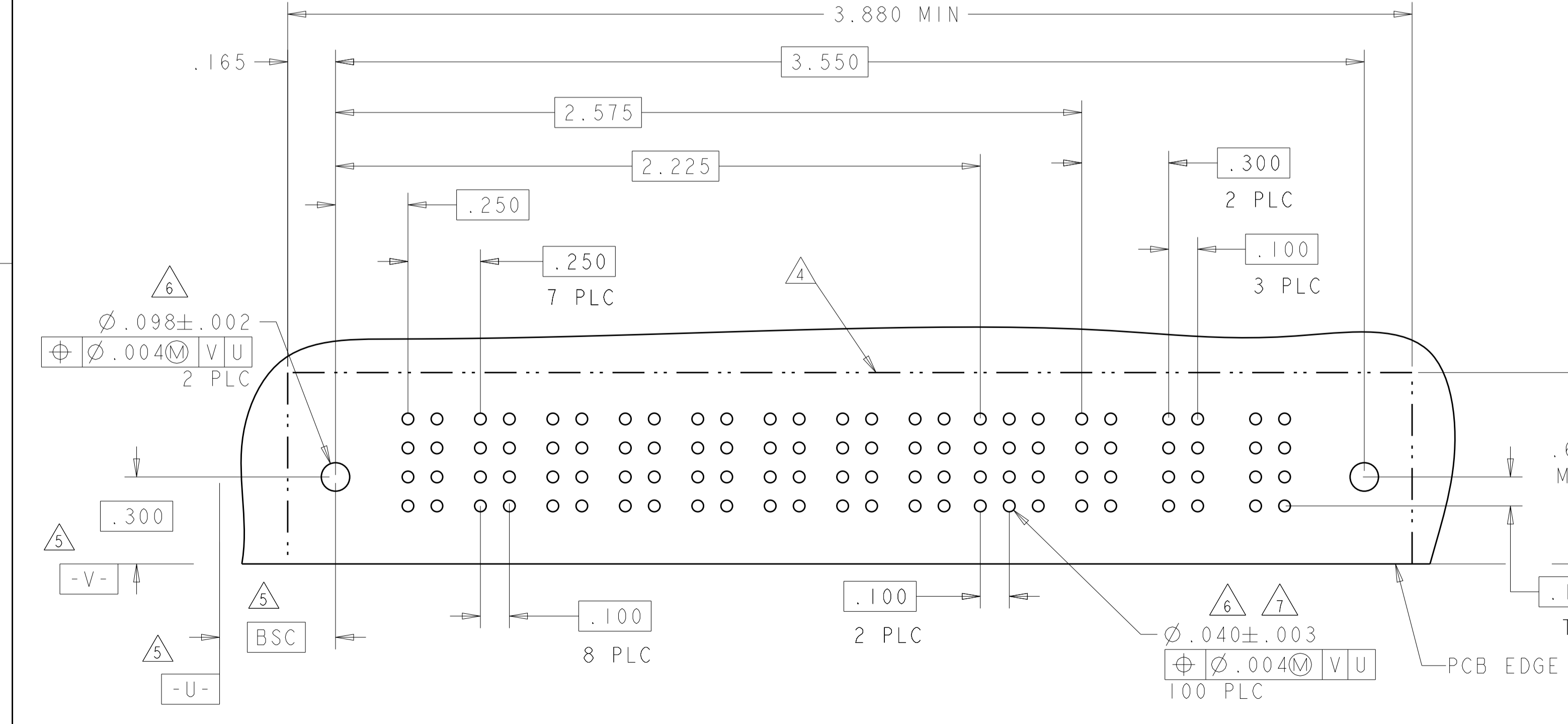
PART NUMBER	ROWS	POWER					SIGNAL								POWER								
		P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	P6	P7	P8	P9	P10				
2-6450120-4	D C B A	PM	PM	PM	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM
							K	K	K	K	K	K	K	K	K	K	K	K					
							N	N	N	N	N	N	N	N	N	N	N	N					
5P + 32S + 5P																							



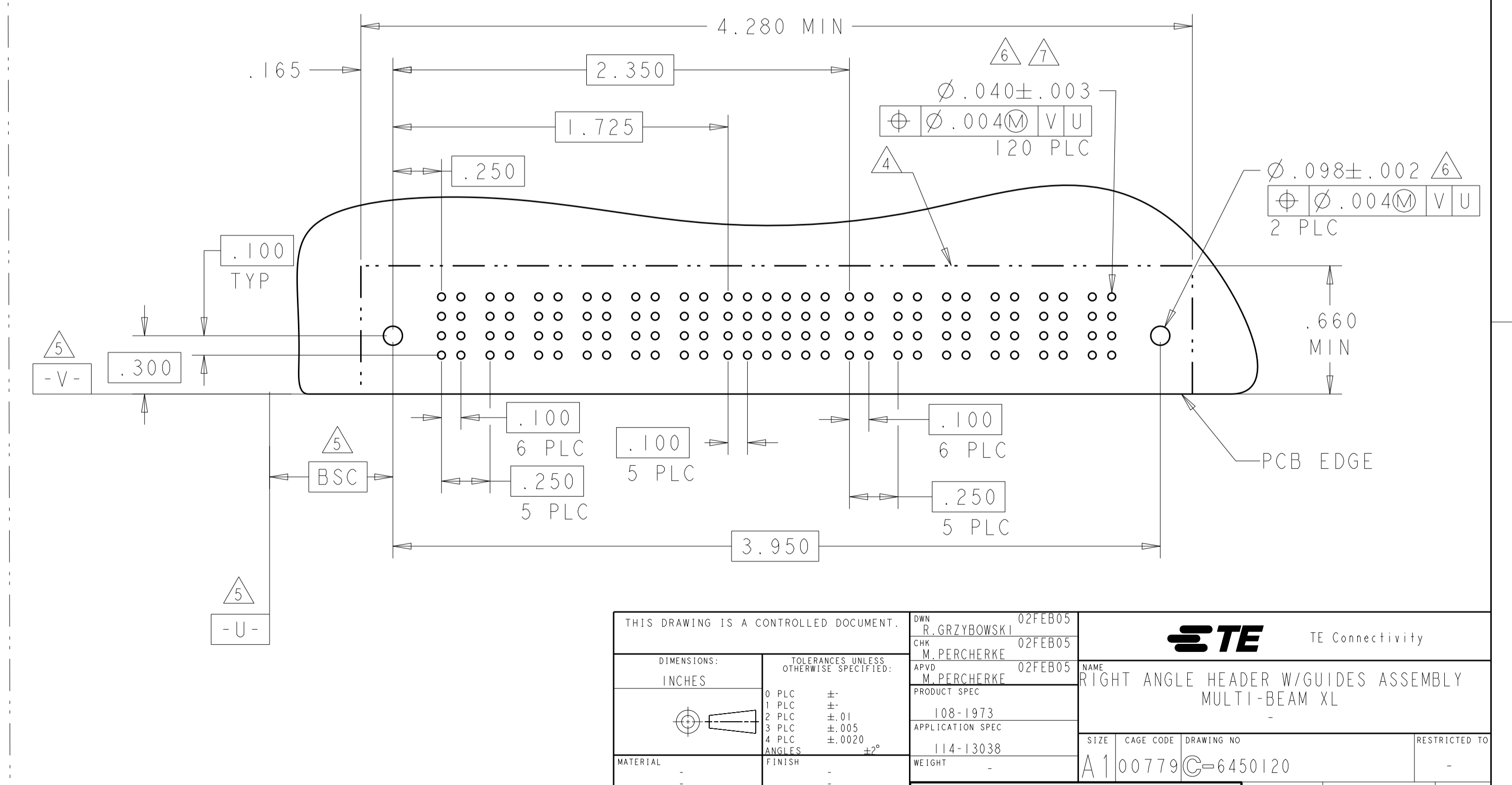
PART NUMBER	ROWS	AC POWER				SIGNAL						POWER														
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16			
2-6450120-6	D C B A	PM	PM	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	
						K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
						N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4ACP + 24S + 12P																										



PART NUMBER	ROWS	POWER								SIGNAL			POWER		
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	P9	P10	P11
3-6450120-3	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	PM	PM	PM
										K	K	K			
										N	N	N			
8P + 12S + 3ACP															



PART NUMBER	ROWS	POWER						SIGNAL						POWER								
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	P7	P8	P9	P10	P11	P12			
2-6450120-7	D C B A	PM	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM				
							K	K	K	K	K	K							K	K	K	K
							N	N	N	N	N	N							N	N	N	N
6P + 24S + 6P																						

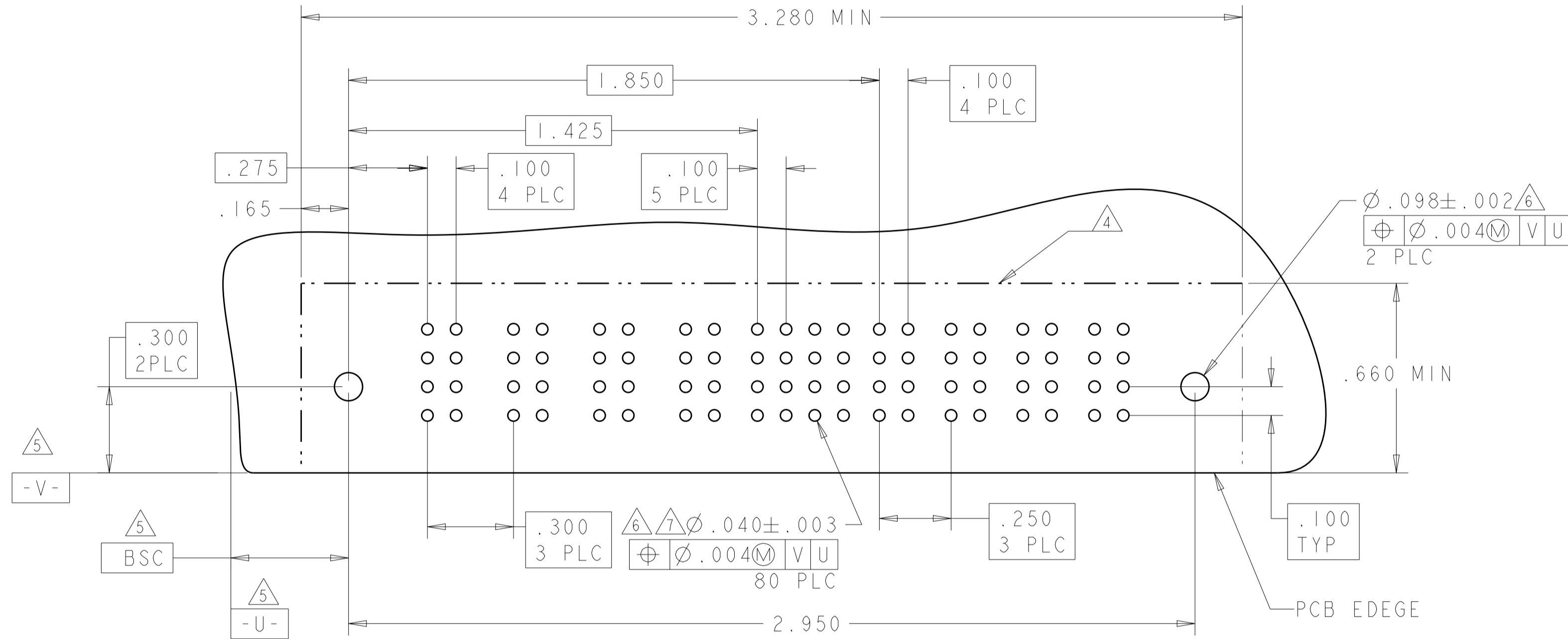


THIS DRAWING IS A CONTROLLED DOCUMENT. DIMENSIONS: INCHES. TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.01, 1 PLC ±.01, 2 PLC ±.01, 3 PLC ±.01, 4 PLC ±.01, 5 PLC ±.01, 6 PLC ±.01, 7 PLC ±.01, 8 PLC ±.01, 9 PLC ±.01, 10 PLC ±.01, 11 PLC ±.01, 12 PLC ±.01, 13 PLC ±.01, 14 PLC ±.01, 15 PLC ±.01, 16 PLC ±.01. MATERIAL: . FINISH: .

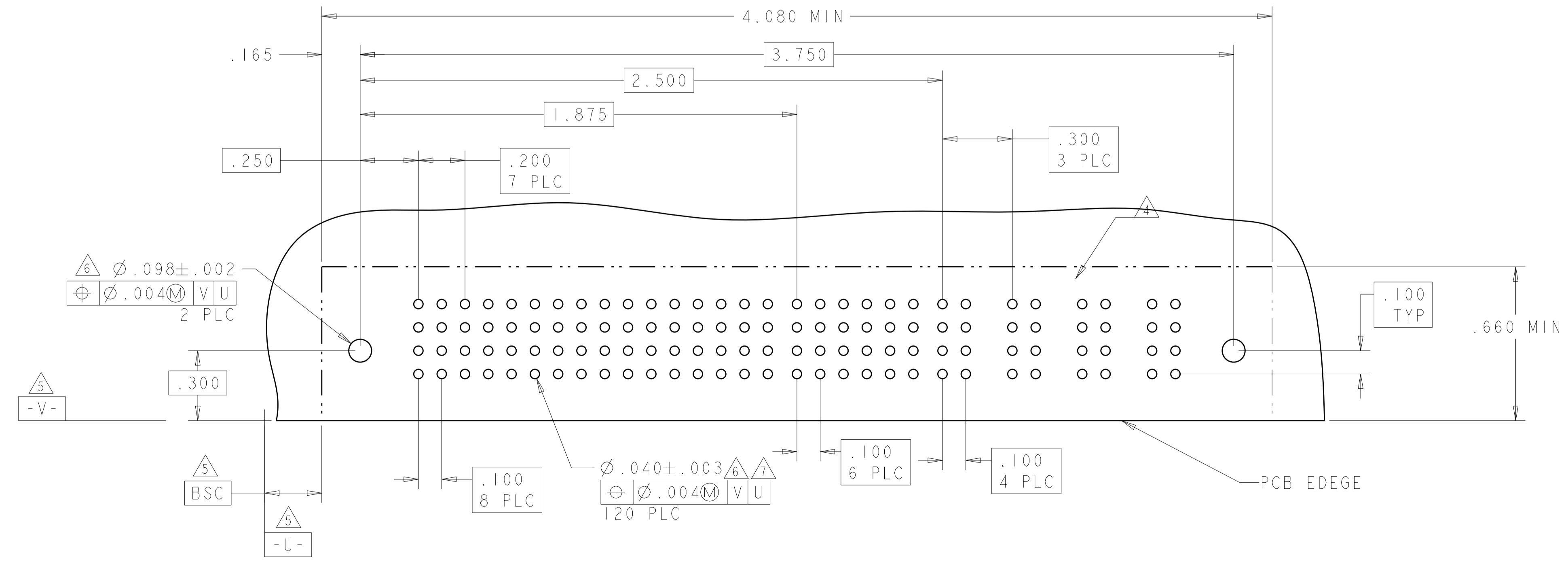
OWN: R. GRZYBOWSKI	02FEB05	STE TE Connectivity
CHK: M. PERCHERKE	02FEB05	
APPV: M. PERCHERKE	02FEB05	
PRODUCT SPEC		NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
APPLICATION SPEC		SIZE: CAGE CODE: DRAWING NO: RESTRICTED TO
MATERIAL: . FINISH: .		A1100779C=6450120
CUSTOMER DRAWING		SCALE: 4:1 SHEET 8 OF 21 REV: L

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

PART NUMBER	ROWS	POWER				SIGNAL				POWER			
		P1	P2	P3	P4	1	2	3	4	P5	P6	P7	P8
4-6450120-3	D C B A	PM	PM	PM	PM	J	J	J	J	PM	PM	PM	PM
						K	K	K	K				
						N	N	N	N				
						S	S	S	S				
4ACP + 16S + 4P													



PART NUMBER	ROWS	POWER								SIGNAL						POWER			
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	P9	P10	P11	P12
4-6450120-4	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM
										K	K	K	K	K	K				
										N	N	N	N	N	N				
										S	S	S	S	S	S				
8P + 24S + 4ACP																			



THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R. GRZYBOWSKI 02FEB05
 CHK: M. PERCHERKE 02FEB05
 APVD: M. PERCHERKE 02FEB05

STE TE Connectivity

NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL

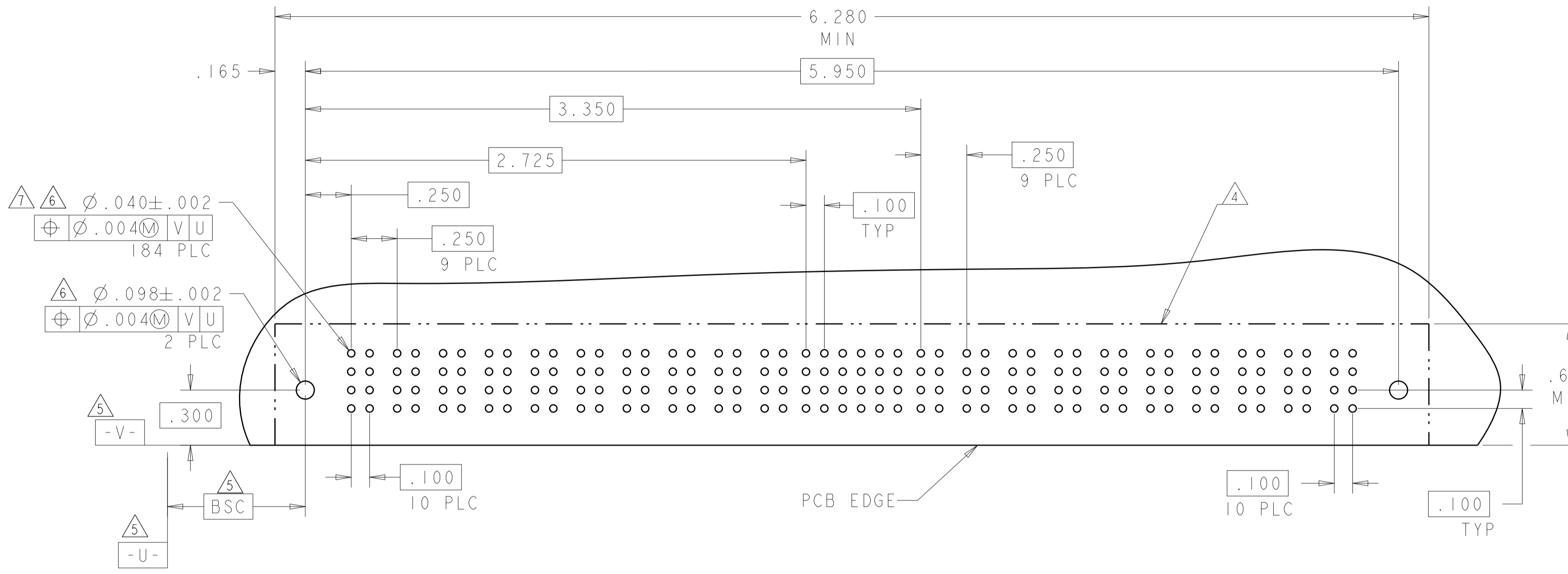
PRODUCT SPEC: 108-1973
 APPLICATION SPEC: 114-13038

SIZE: A1 CAGE CODE: 6450120 DRAWING NO: 100779
 RESTRICTED TO: -

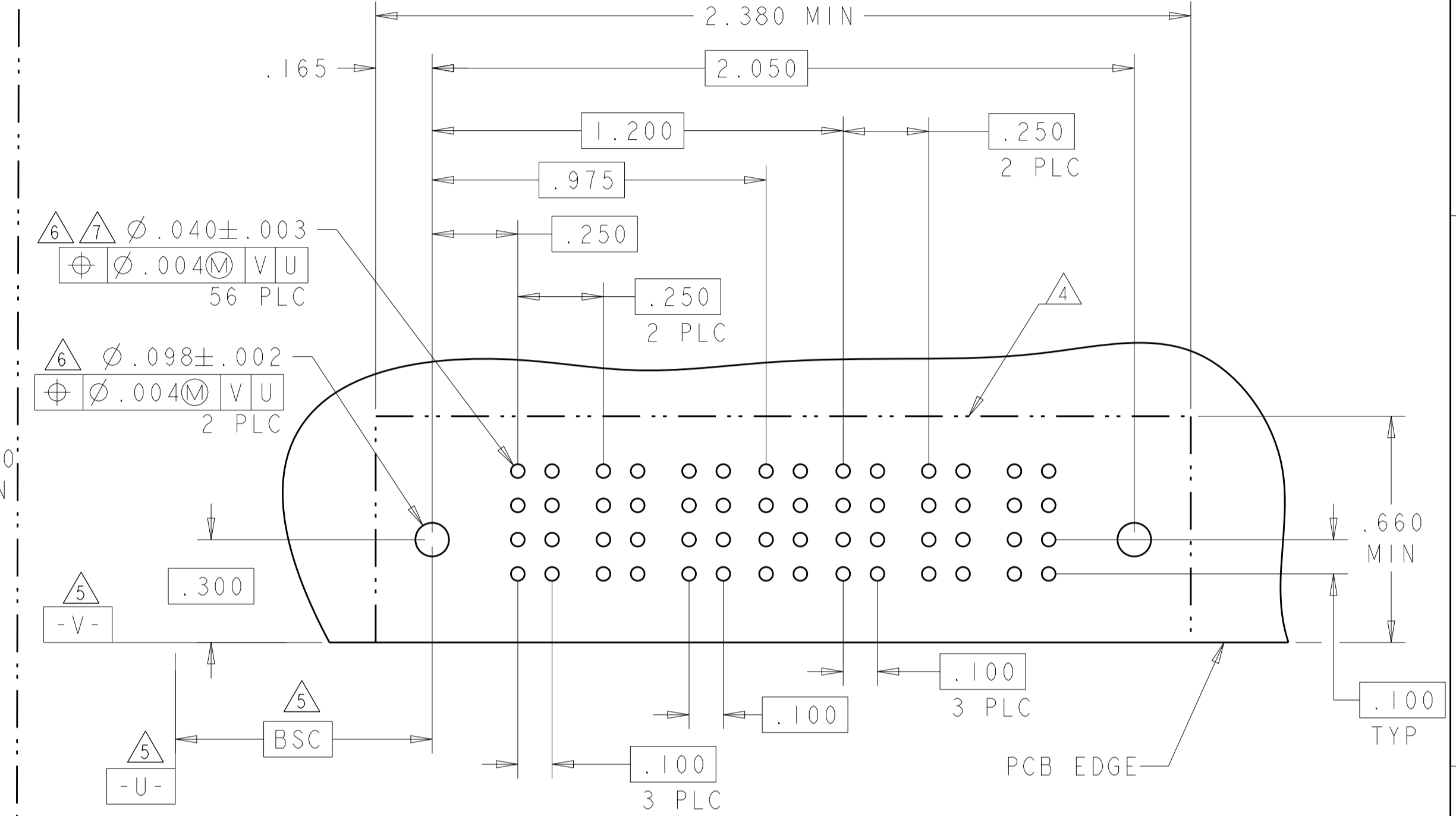
MATERIAL: - FINISH: - WEIGHT: -
 CUSTOMER DRAWING SCALE: 4:1 SHEET 12 OF 21 REV: -

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

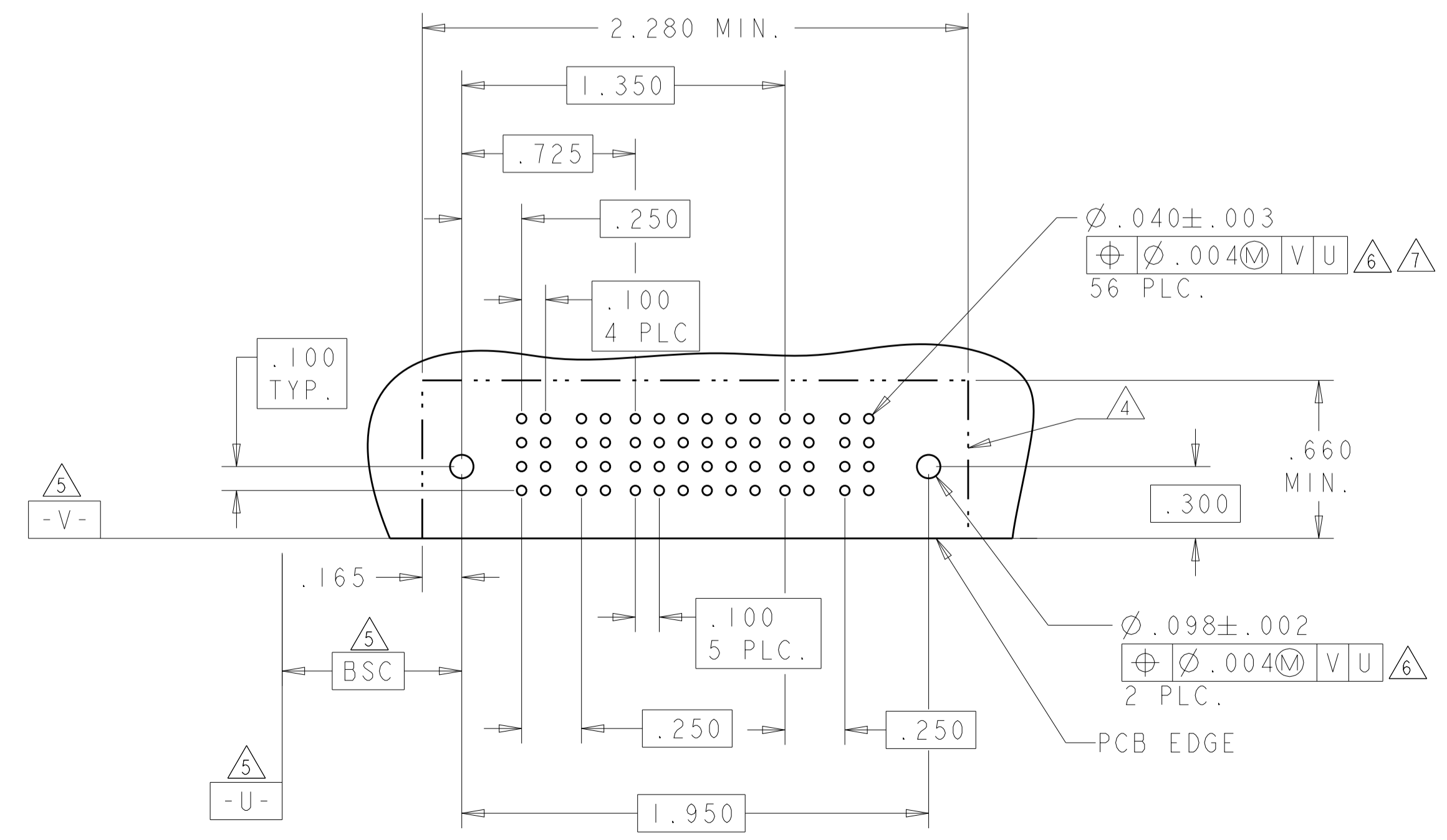
PART NUMBER	ROWS	POWER										SIGNAL						POWER									
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5	6	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20
4-6450120-5	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
		PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	K	K	K	K	K	K	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
		PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	N	N	N	N	N	N	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
											S	S	S	S	S	S											
10P + 24S + 10P																											



PART NUMBER	ROWS	POWER			SIGNAL		POWER			
		P1	P2	P3	1	2	P4	P5	P6	
4-6450120-6	D C B A	PM	PM	PM	J	J	PM	PM	PM	
		PM	PM	PM	K	K	PM	PM	PM	
		PM	PM	PM	N	N	PM	PM	PM	
					S	S				
3P + 8S + 3P										



PART NUMBER	ROWS	POWER		SIGNAL						POWER		
		P1	P2	1	2	3	4	5	6	P3	P4	
4-6450120-7	D C B A	PM	PM	J	J	J	J	J	J	PM	PM	
		PM	PM	K	K	F	K	K	K	PM	PM	
		PM	PM	N	N	G	N	N	N	PM	PM	
				S	S	S	S	S	S			
2P + 24S + 2P												



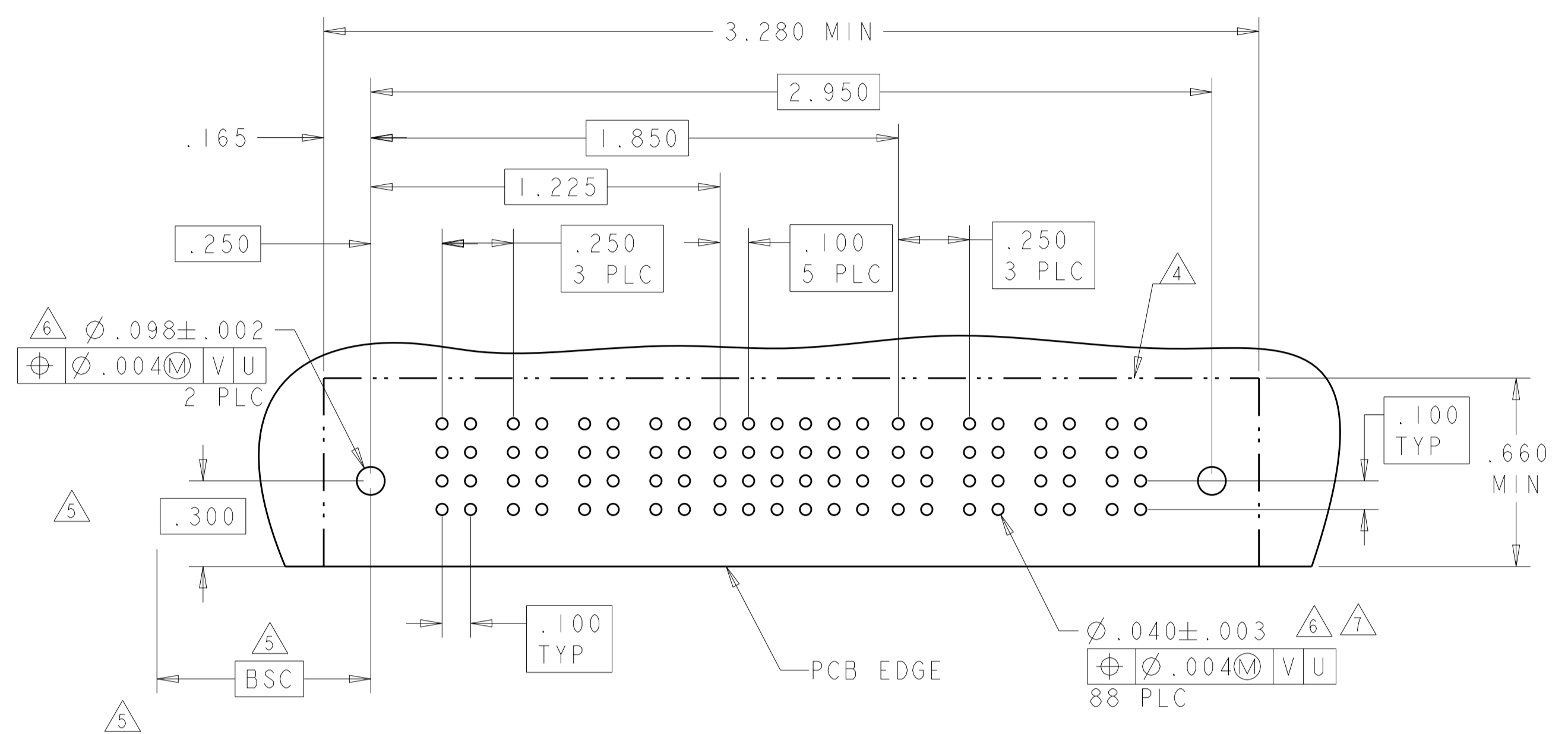
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DMN: R. GRZYBOWSKI 02FEB05	CHK: M. PERCHERKE 02FEB05	APVD: M. PERCHERKE 02FEB05	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
INCHES	0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.01 4 PLC ±.005 ANGLES ±.002	PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038	WEIGHT: -	RESTRICTED TO: -
MATERIAL: -	FINISH: -	SIZE: A1	CAGE CODE: 100779	DRAWING NO: C=6450120	SCALE: 4:1
CUSTOMER DRAWING		SHEET 13 OF 21		REV L1	

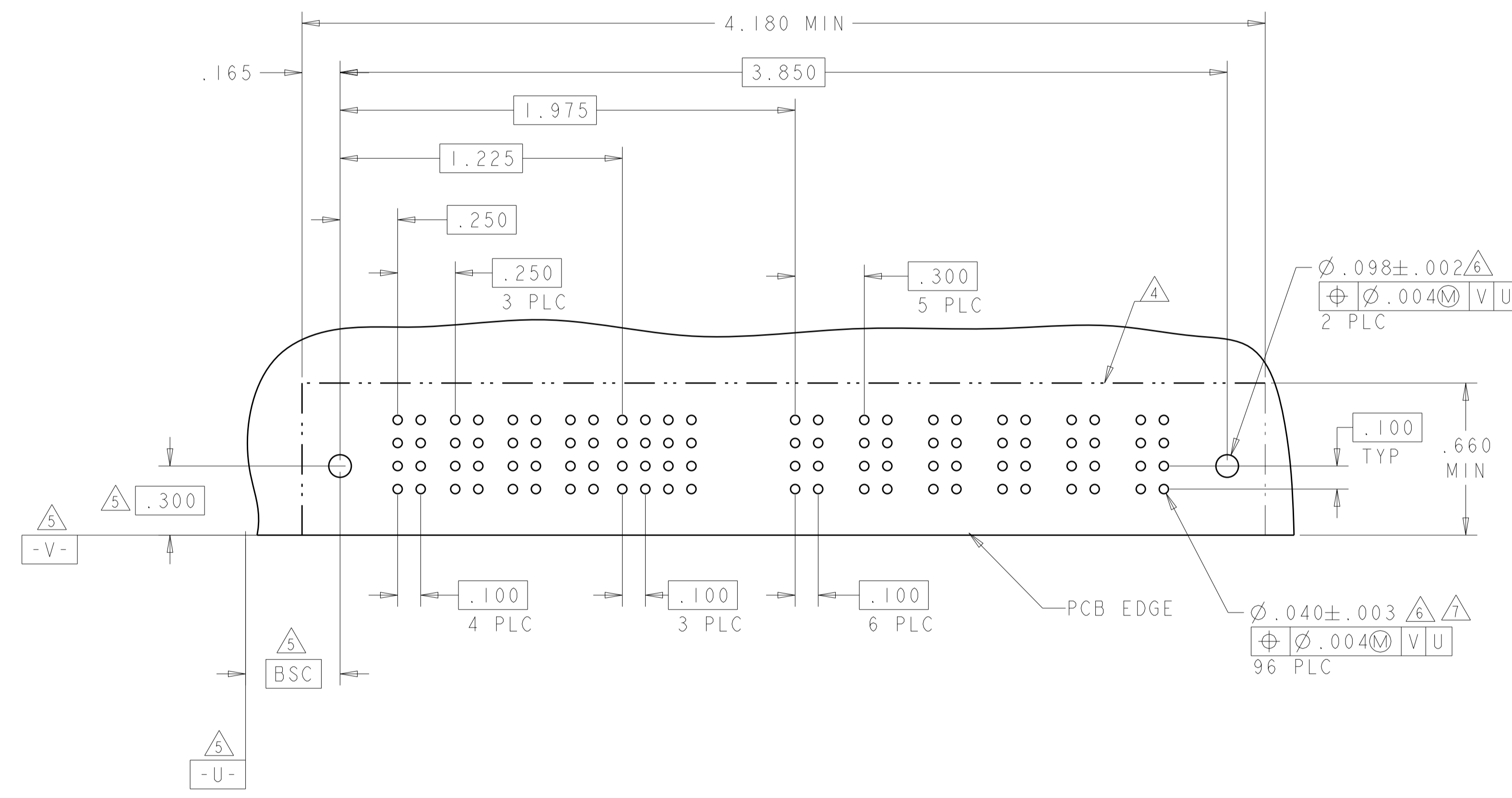
STE TE Connectivity

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

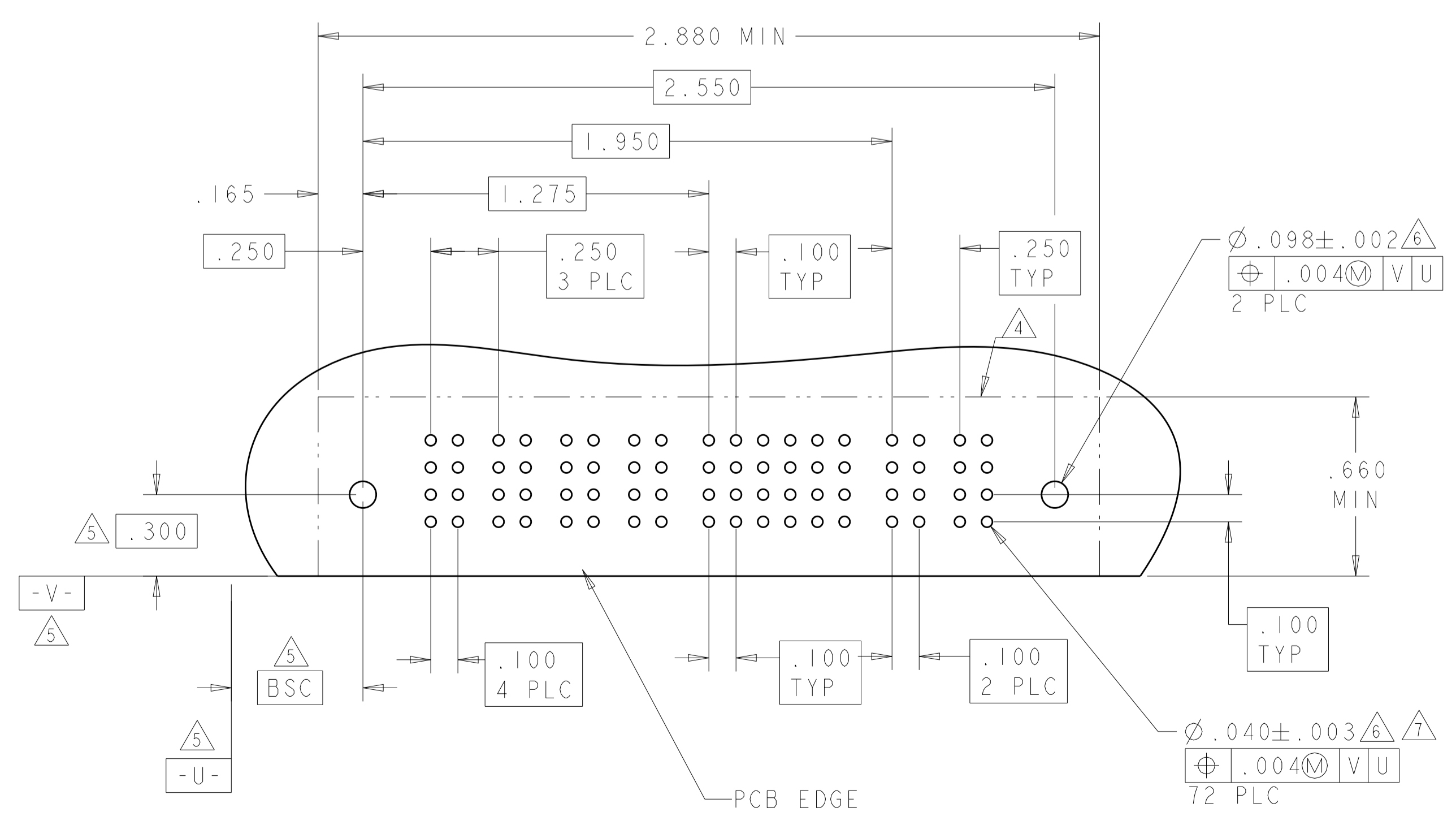
PART NUMBER	ROWS	POWER				SIGNAL						POWER			
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7	P8
4-6450120-8	D	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM
	C					K	K	K	K	K					
	B					N	N	N	N	N					
	A					S	S	S	S	S					
4P + 24S + 4P															



PART NUMBER	ROWS	POWER				SIGNAL				POWER						
		P1	P2	P3	P4	1	2	3	4	P5	P6	P7	P8	P9	P10	P11
5-6450120-0	D	PM	PM	PM	PM	J	J	J	J	PM	PM	PM	PM	PM	PM	
	C					K	K	K	K							
	B					N	N	N	N							
	A					S	S	S	S							
4P + 16S + 7ACP																



PART NUMBER	ROWS	POWER				SIGNAL						POWER	
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6
2-6450120-5	D	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM
	C					K	K	K	K	K			
	B					N	N	N	N	N			
	A					S	S	S	S	S			
4P + 24S + 2P													



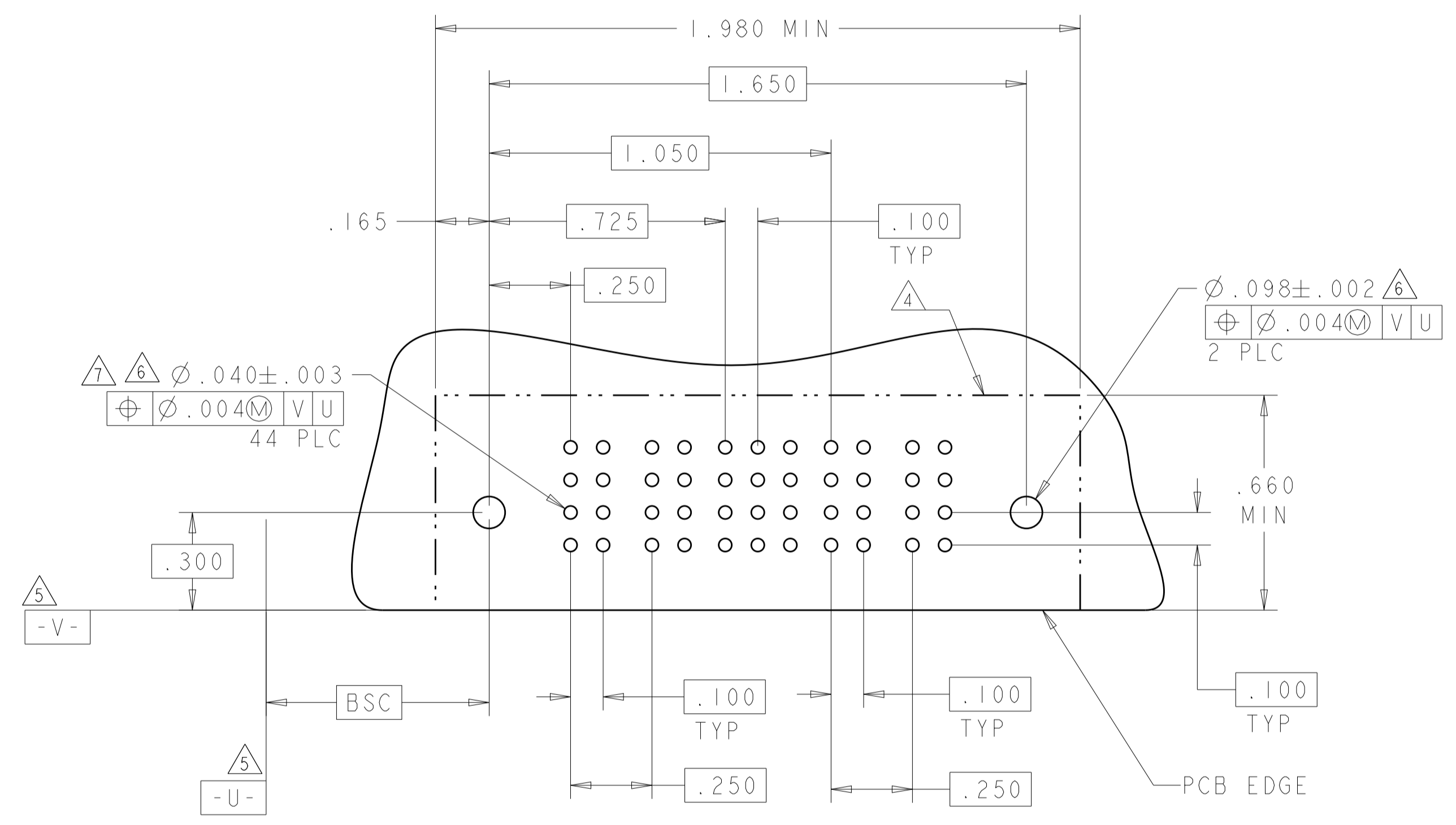
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DMN: R. GRZYBOWSKI 02FEB05	CHK: M. PERCHERKE 02FEB05	APVD: M. PERCHERKE 02FEB05	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.01 4 PLC ±.0020 ANGLES ±.020		PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: -		SIZE: A1 CAGE CODE: 6450120 DRAWING NO: 100779 SCALE: 4:1 SHEET: 14 OF 21 REV: -	
MATERIAL: -		FINISH: -		CUSTOMER DRAWING	

STE TE Connectivity

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

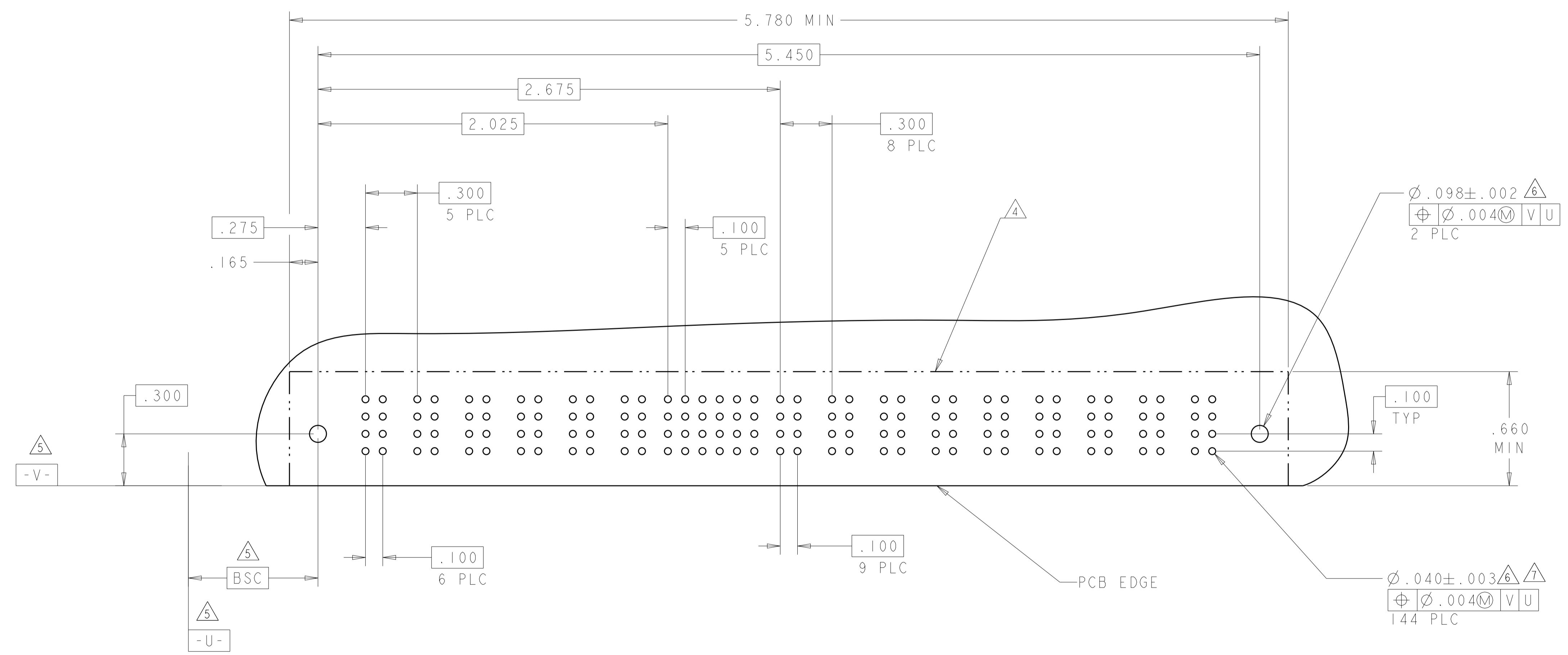
PART NUMBER	ROWS	POWER		SIGNAL			POWER	
		P1	P2	1	2	3	P3	P4
4-6450120-9	D	PM	PM	J	J	J	PM	PM
	C			K	K	K		
	B			N	N	N		
	A			S	S	S		
2P + 12S + 2P		HD					HD	



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI	02FEB05	STE TE Connectivity
DIMENSIONS: INCHES		CHK M. PERCHERKE	02FEB05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
0 PLC ± .01		PRODUCT SPEC		SIZE 108-1973
1 PLC ± .01		APPLICATION SPEC		RESTRICTED TO
2 PLC ± .005		114-13038		A100779C=6450120
3 PLC ± .0020		WEIGHT		SCALE 4:1 SHEET 15 OF 21 REV L1
ANGLES ± .2°		FINISH		CUSTOMER DRAWING
MATERIAL		CUSTOMER DRAWING		

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

PART NUMBER	ROWS	POWER						SIGNAL						POWER										
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	P7	P8	P9	P10	P11	P12	P13	P14	P15		
5-6450120-2	D C B A	[HD]	[]	[PM]	[PM]	[PM]	[]	[PM]	J	J	[]	J	E	[]	[]	[PM]	[PM]	[PM]	[]	[PM]	[PM]	[PM]	[]	[HD]
			[]	[]	[]	[]	[]	[]	K	K	[]	K	K	[]	[]	[]	[]	[]	[]	[]	[]	[]		
			[]	[]	[]	[]	[]	[]	N	N	[]	N	N	[]	[]	[]	[]	[]	[]	[]	[]	[]		
			[]	[]	[]	[]	[]	[]	S	S	[]	S	H	[]	[]	[]	[]	[]	[]	[]	[]	[]		
6P + 24S + 9P																								



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: R. GRZYBOWSKI 02FEB05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 02FEB05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCHERKE 02FEB05	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
0 PLC ±.01	1 PLC ±.01	PRODUCT SPEC: 108-1973	SIZE: A1
2 PLC ±.01	3 PLC ±.005	APPLICATION SPEC: 114-13038	CAGE CODE: C=6450120
4 PLC ±.0020	ANGLES ±.0020	WEIGHT: -	RESTRICTED TO: -
MATERIAL: -		CUSTOMER DRAWING	SCALE: 4:1 SHEET 16 OF 21 REV: L1

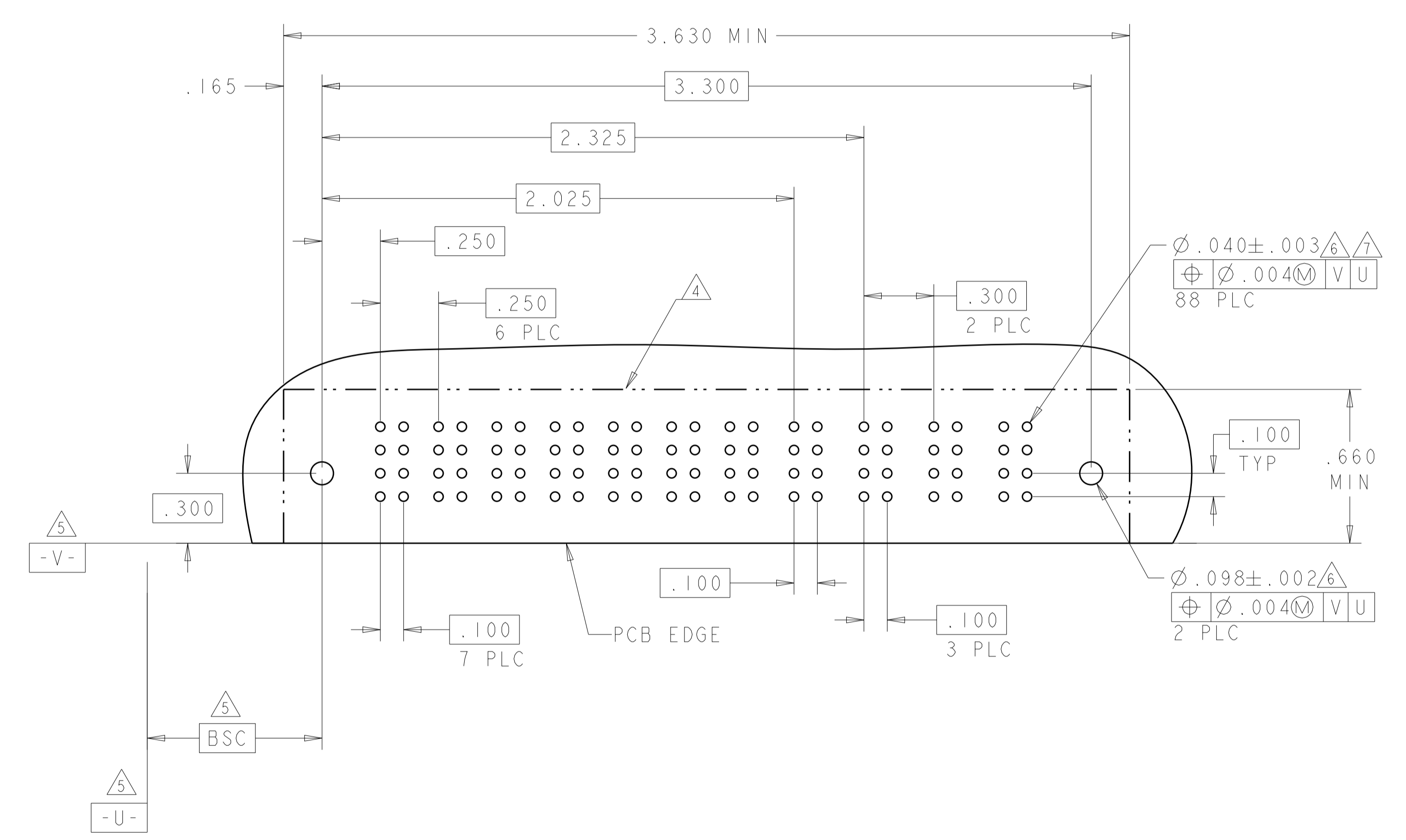
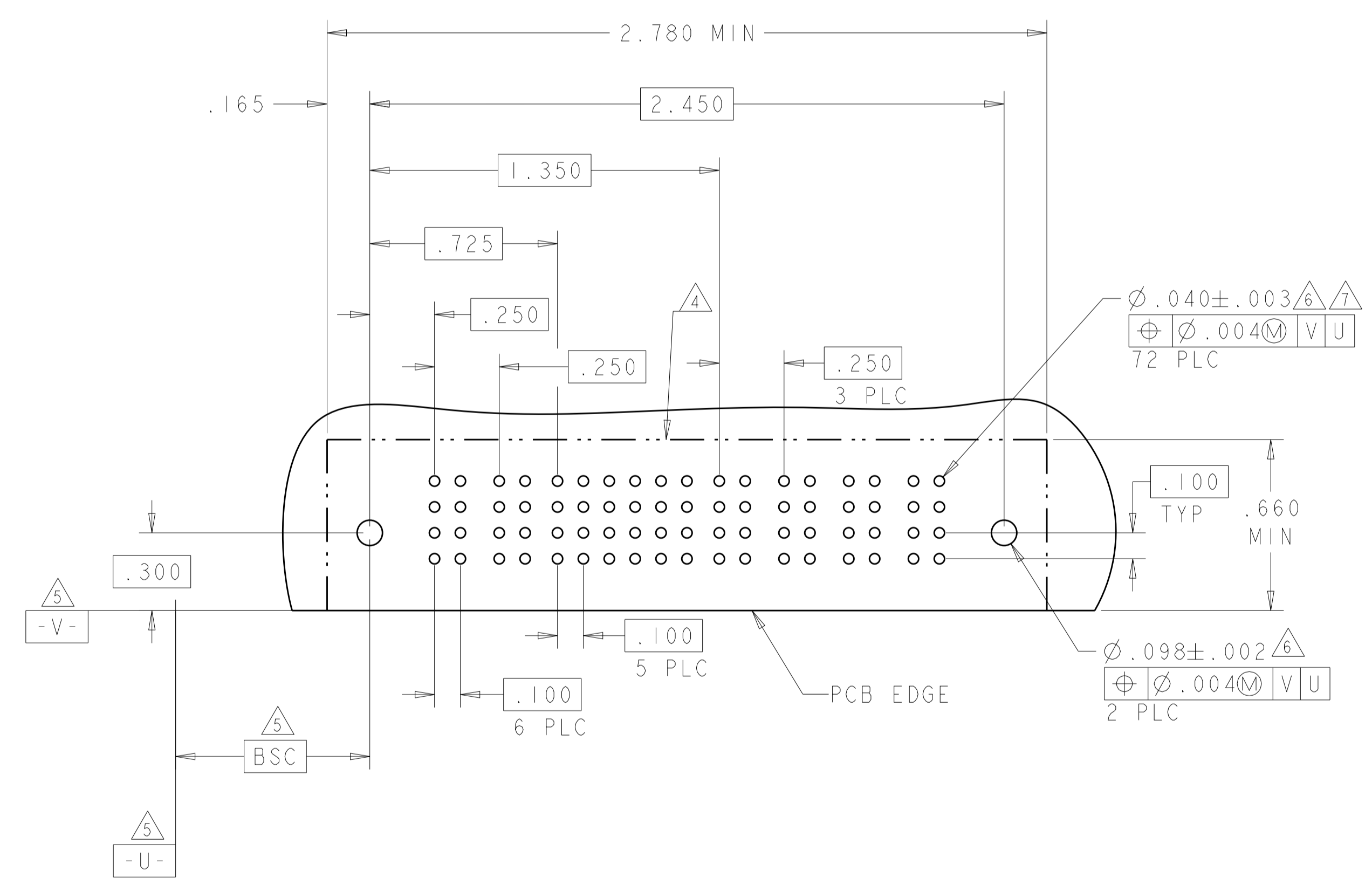
LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
ES	00	SEE SHEET 1			

PART NUMBER	ROWS	POWER		SIGNAL						POWER			
		P1	P2	1	2	3	4	5	6	P3	P4	P5	P6
5-6450120-3	D	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM
	C			K	K	K	K	K	K				
	B			N	N	N	N	N	N				
	A			S	S	S	S	S	S				

2P + 24S + 4P

PART NUMBER	ROWS	POWER							SIGNAL		POWER		
		P1	P2	P3	P4	P5	P6	P7	I	J	P8	P9	P10
5-6450120-5	D	PM	PM	PM	PM	PM	PM	PM	J	J	PM	PM	PM
	C								K	K			
	B								N	N			
	A								S	S			

7P + 8S + 3ACP



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
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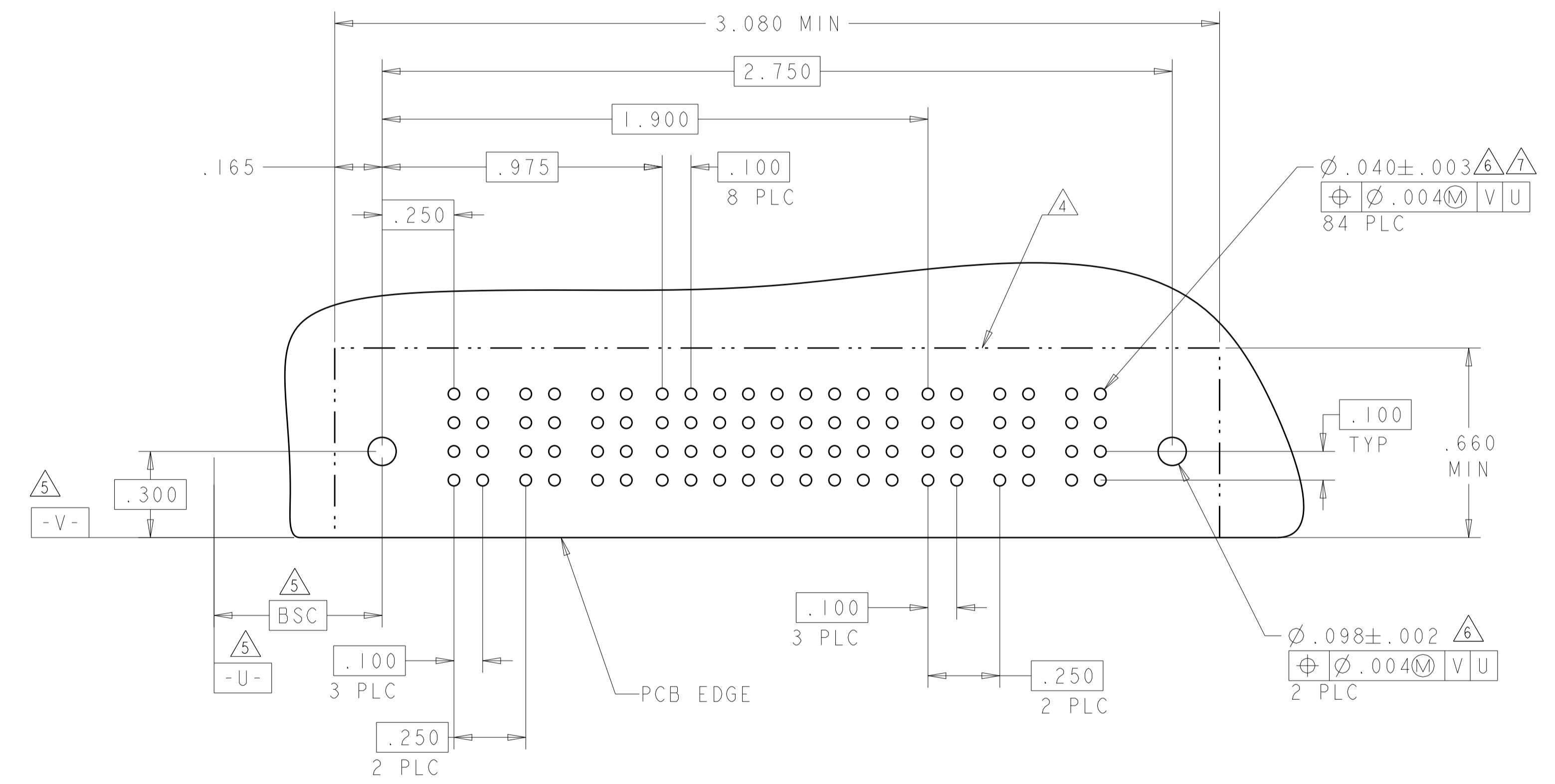
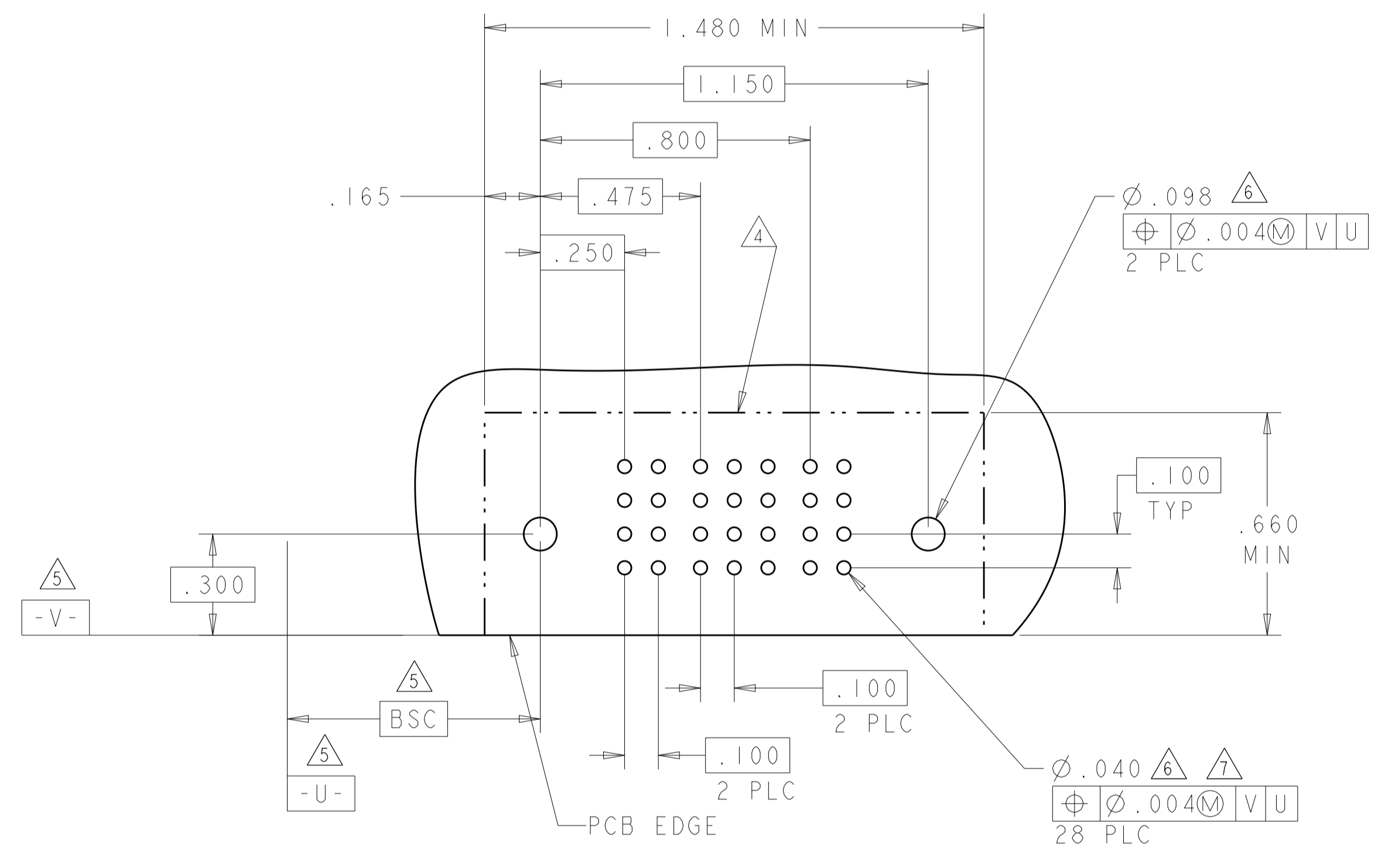
OWN: R. GRZYBOWSKI 02FEB05	CHK: M. PERCHERKE 02FEB05	APVD: M. PERCHERKE 02FEB05	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
PRODUCT SPEC: 108-1973			SIZE: CAGE CODE DRAWING NO: A100779C=6450120
APPLICATION SPEC: 114-13038			RESTRICTED TO: -
WEIGHT: -			SCALE: 4:1 SHEET 17 OF 21 REV: L1
CUSTOMER DRAWING			

4805 (3/11)

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

PART NUMBER	ROWS	POWER			SIGNAL			POWER		
		P1	1	2	3	P2				
5-6450120-6	D C B A	PM	J	J	J	PM	HD	HD		
			K	K	K					
			N	N	N					
			S	S	S					
IP + 12S + IP										

PART NUMBER	ROWS	POWER			SIGNAL									POWER						
		P1	P2	P3	1	2	3	4	5	6	7	8	9	P4	P5	P6				
5-6450120-7	D C B A	PM	PM	PM	HD	HD	HD	J	J	J	J	J	J	J	J	J	J	PM	PM	PM
								K	K	K	K	K	K	K	K	K	K			
								N	N	N	N	N	N	N	N	N	N			
								S	S	S	S	S	S	S	S	S	S			
3P + 36S + 3P																				



THIS DRAWING IS A CONTROLLED DOCUMENT. **STE** TE Connectivity

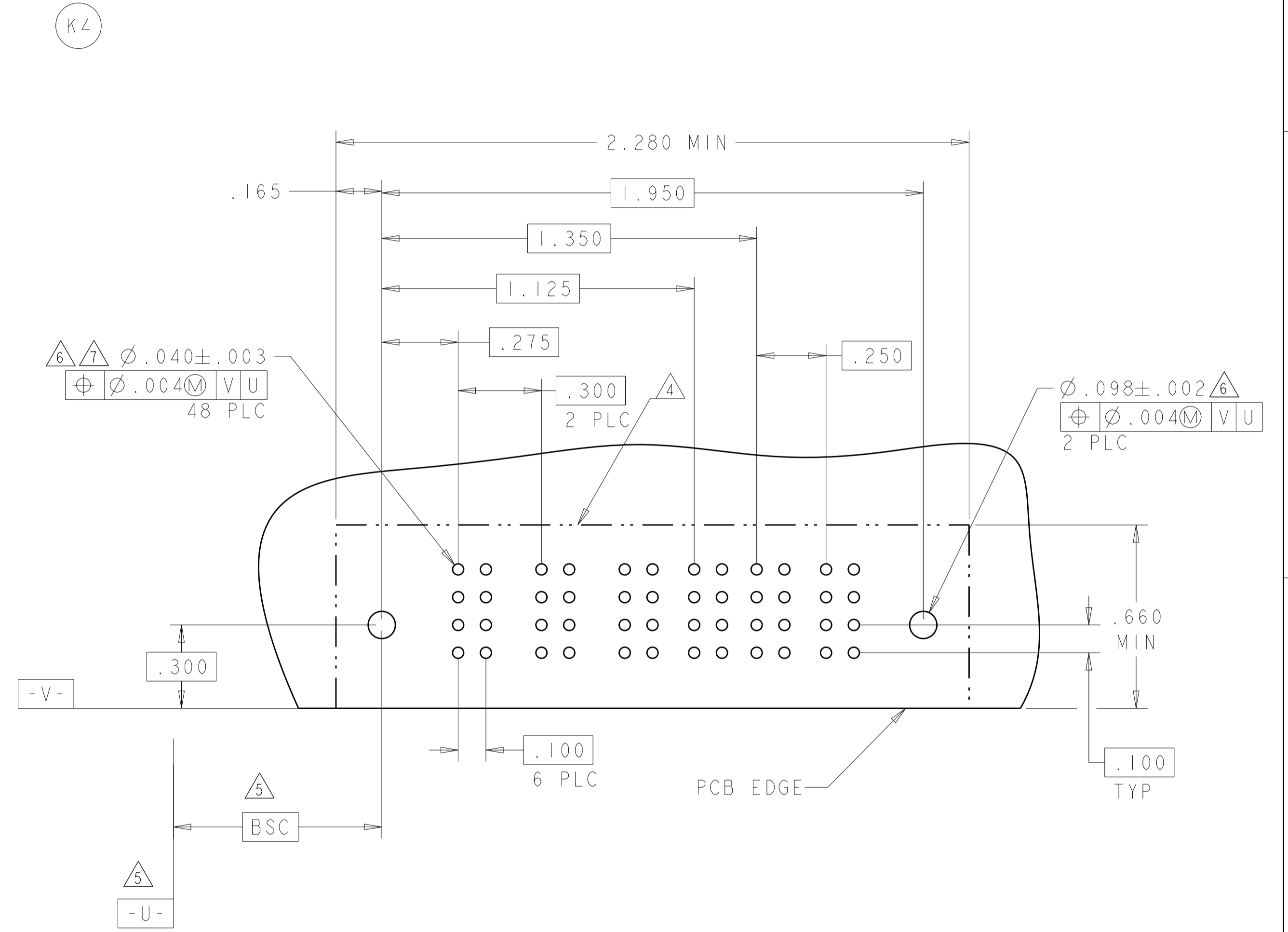
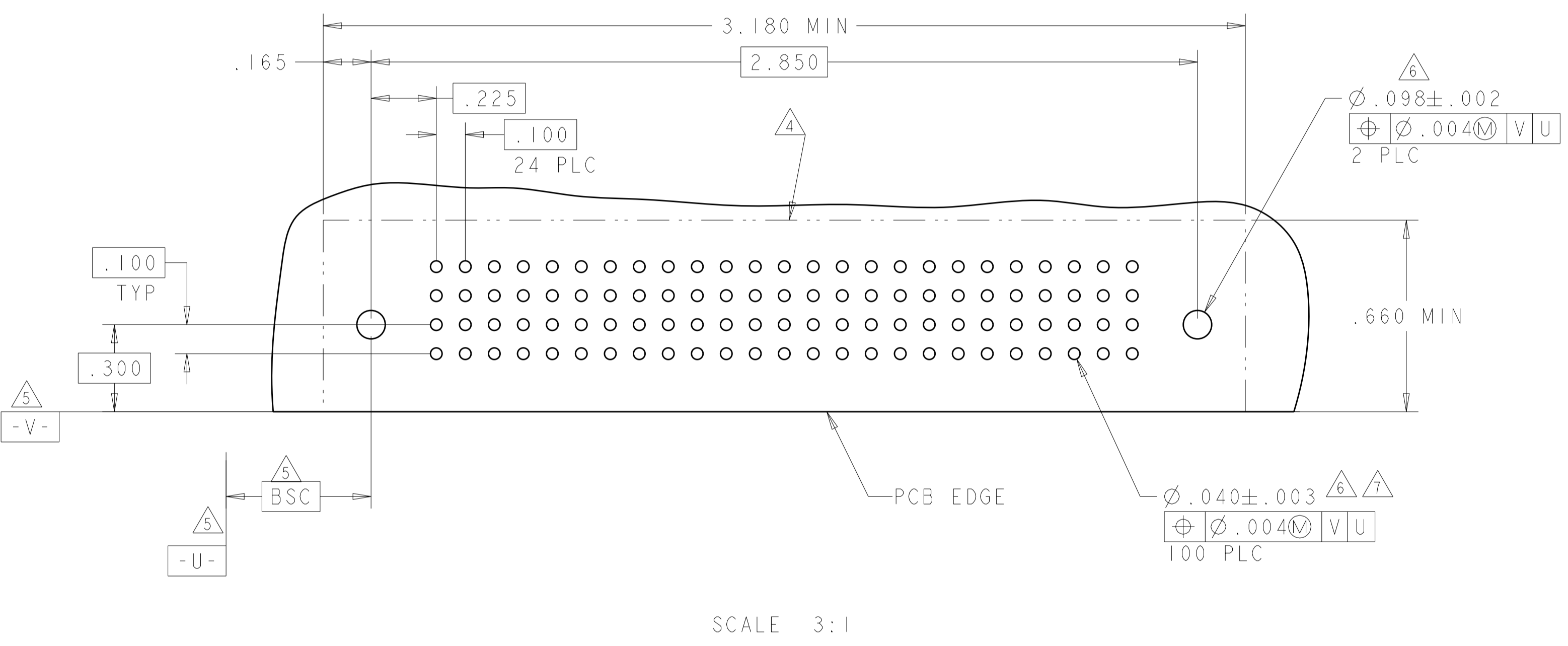
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.005 3 PLC ±.0020 ANGLES ±.7°	FINISH	FINISH
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DMN: R. GRZYBOWSKI 02FEB05	CHK: M. PERCHERKE 02FEB05	APVD: M. PERCHERKE 02FEB05	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038	WEIGHT: -	RESTRICTED TO: -
CUSTOMER DRAWING	SCALE: 4:1	SHEET: 18	OF: 21

LOC	DIST	REV	DATE	APPV
ES	00			
DESCRIPTION			DATE	APPV
SEE SHEET 1				

PART NUMBER	ROWS	SIGNAL																								
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
5-6450120-8	D	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J
	C	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K
	B	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
A	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	
100S		HD																								HD

PART NUMBER	ROWS	POWER			SIGNAL		POWER	
		P1	P2	P3	1	2	P4	P5
5-6450120-9	D	PM	PM	PM	J	J	PM	PM
	C				K	K		
	B				N	N		
A				H	S			
3ACP + 8S + 2P		HD				HD		



THIS DRAWING IS A CONTROLLED DOCUMENT.

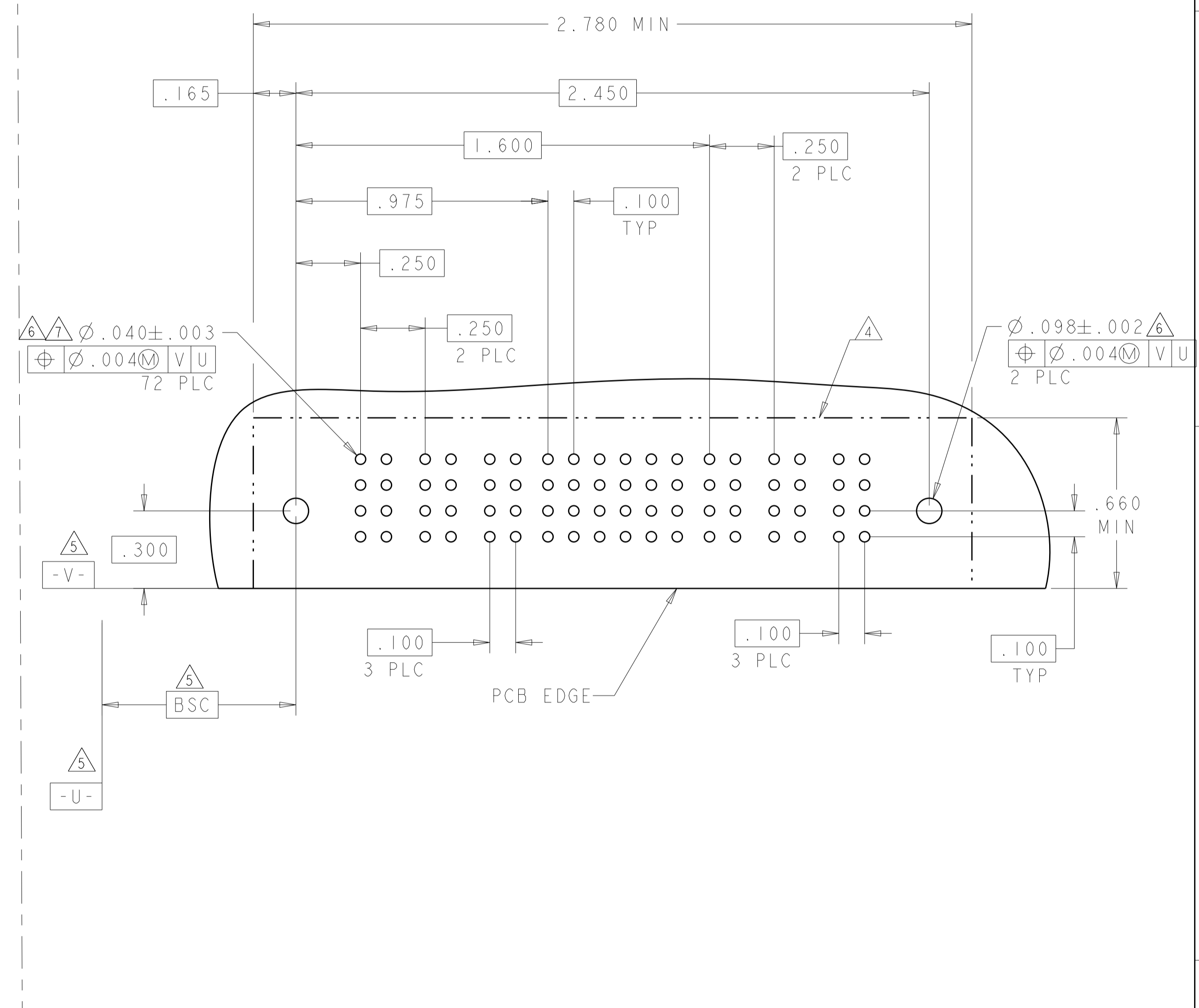
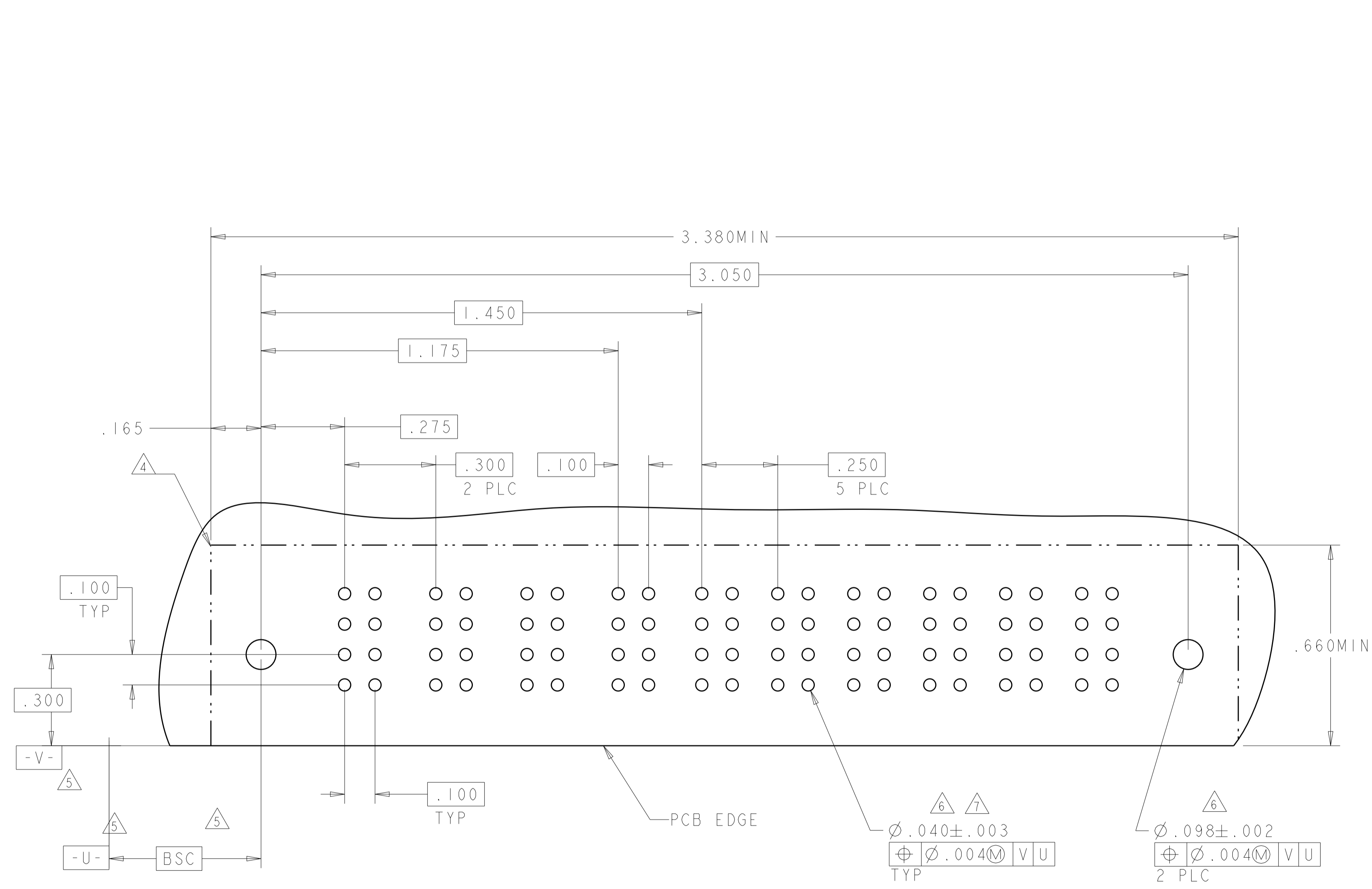
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN: R. GRZYBOWSKI 02FEB05	CHK: M. PERCHERKE 02FEB05	APV: M. PERCHERKE 02FEB05	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
INCHES	0 PLC ± .01 2 PLC ± .01 3 PLC ± .005 4 PLC ± .002	PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038	WEIGHT: -	SIZE: A1
MATERIAL: -	FINISH: -	CAGE CODE: 6450120	DRAWING NO: 100779	SCALE: 4:1	SHEET 19 OF 21

STE TE Connectivity

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

PART NUMBER	ROWS	POWER			SIGNAL		POWER					
		P1	P2	P3	1	2	P4	P5	P6	P7	P8	P9
6-6450120-0	D	PM	PM	PM	J	J	PM	PM	PM	PM	PM	PM
	C				K	K						
	B				N	N						
	A				H	S						
3ACP + 8S + 6P												

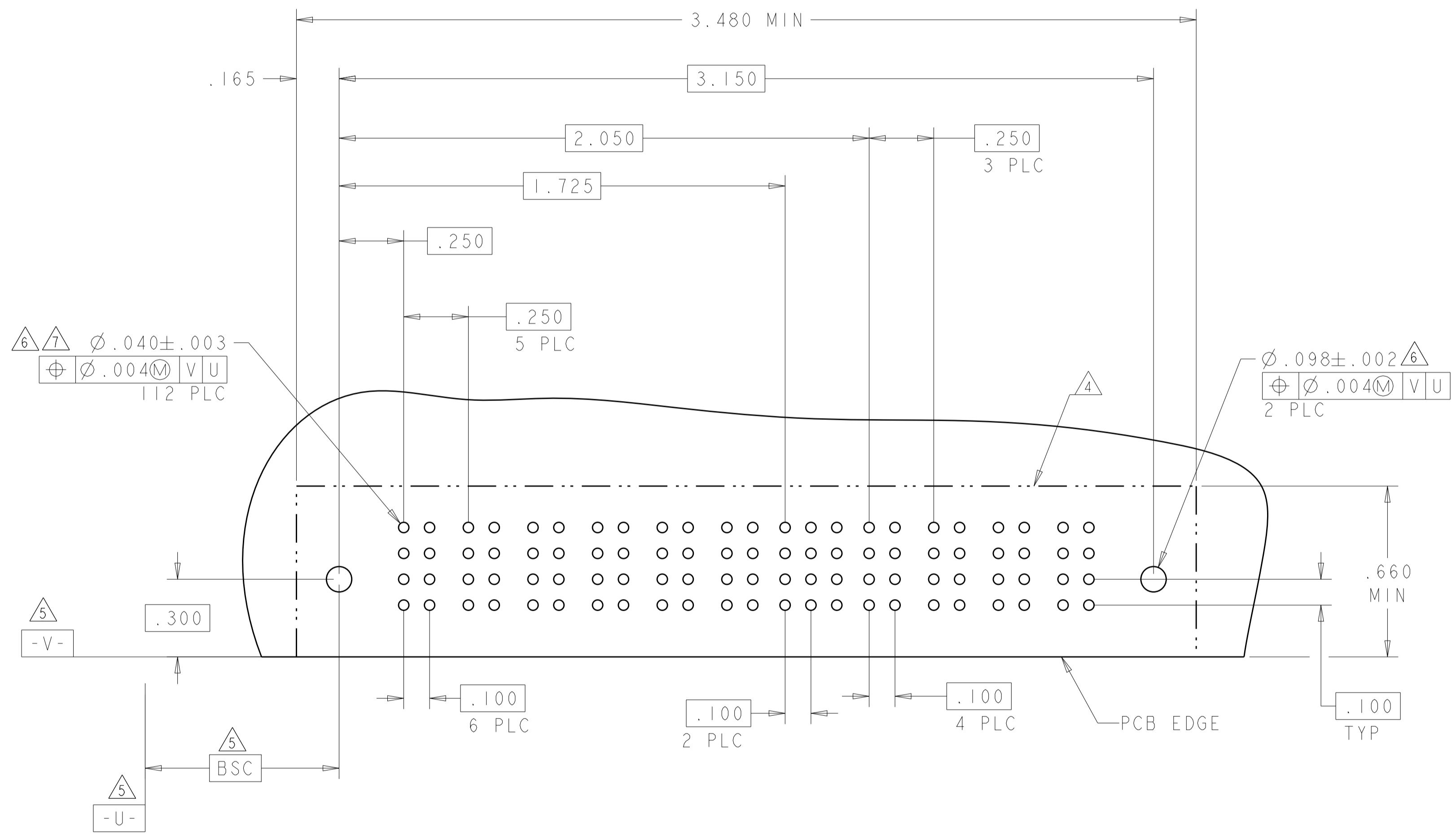
PART NUMBER	ROWS	POWER			SIGNAL						POWER		
		P1	P2	P3	1	2	3	4	5	6	P4	P5	P6
6-6450120-1	D	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM
	C				K	K	F	F	K	K			
	B				N	N	G	G	N	N			
	A				S	S	S	S	S	S			
3P + 24S + 3P													



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. GRZYBOWSKI	02FEB05	STE TE Connectivity
DIMENSIONS: INCHES		CHK M. PERCHERKE	02FEB05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
0 PLC ± .01		PRODUCT SPEC	108-1973	
1 PLC ± .01		APPLICATION SPEC	114-13038	SIZE A100779
2 PLC ± .005		WEIGHT		CAGE CODE C=6450120
3 PLC ± .002		FINISH		RESTRICTED TO
4 PLC ± .0020				SCALE 4:1
ANGLES ± .2°				SHEET 20 OF 21
MATERIAL				REV L1
CUSTOMER DRAWING				

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

PART NUMBER	ROWS	POWER						SIGNAL			POWER			
		P1	P2	P3	P4	P5	P6	1	2	3	P7	P8	P9	P10
6-6450120-4	D C B A	PM	PM	PM	PM	PM	J	J	E	PM	PM	PM	PM	
							K	K	F					
							N	N	N					
							S	S	S					
6P + 12S + 4P		HD											HD	



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN R. GRZYBOWSKI	02FEB05		TE Connectivity
DIMENSIONS: INCHES		CHK M. PERCHERKE	02FEB05		NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	02FEB05	PRODUCT SPEC	
0 PLC ±.01		108-1973		APPLICATION SPEC	
1 PLC ±.01		114-13038		RESTRICTED TO	
2 PLC ±.005		A100779		C=6450120	
3 PLC ±.002		SCALE 4:1		SHEET 21 OF 21	
4 PLC ±.0020		REV L1			
ANGLES ±.2°		CUSTOMER DRAWING			
FINISH					