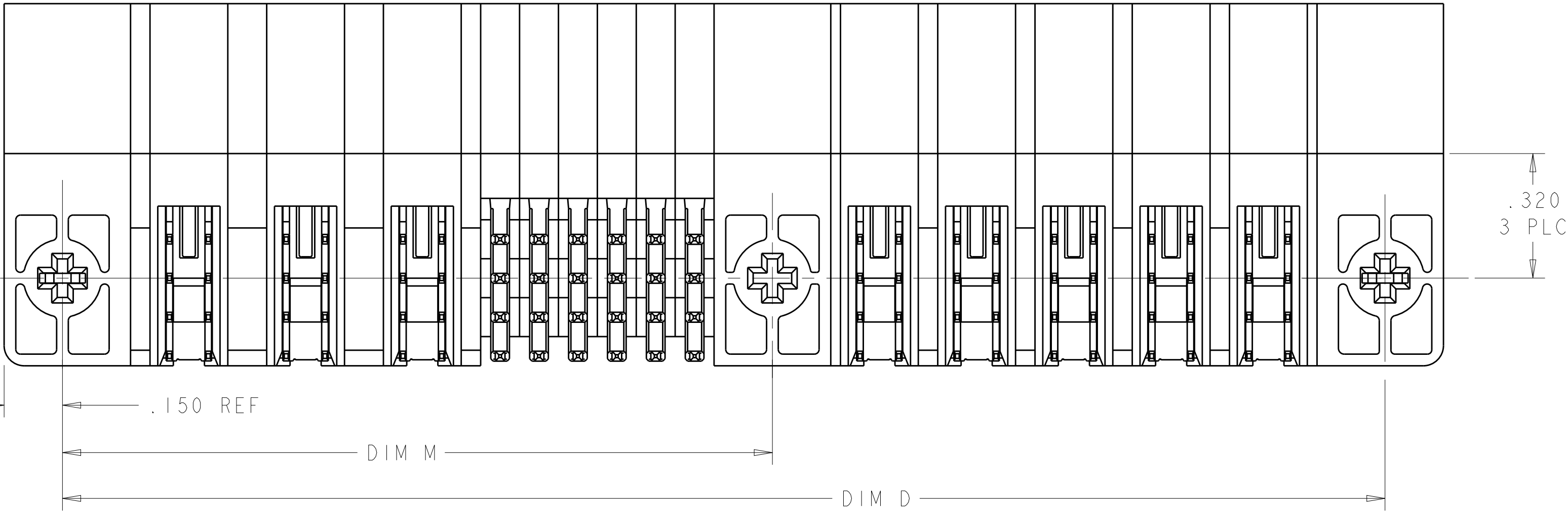
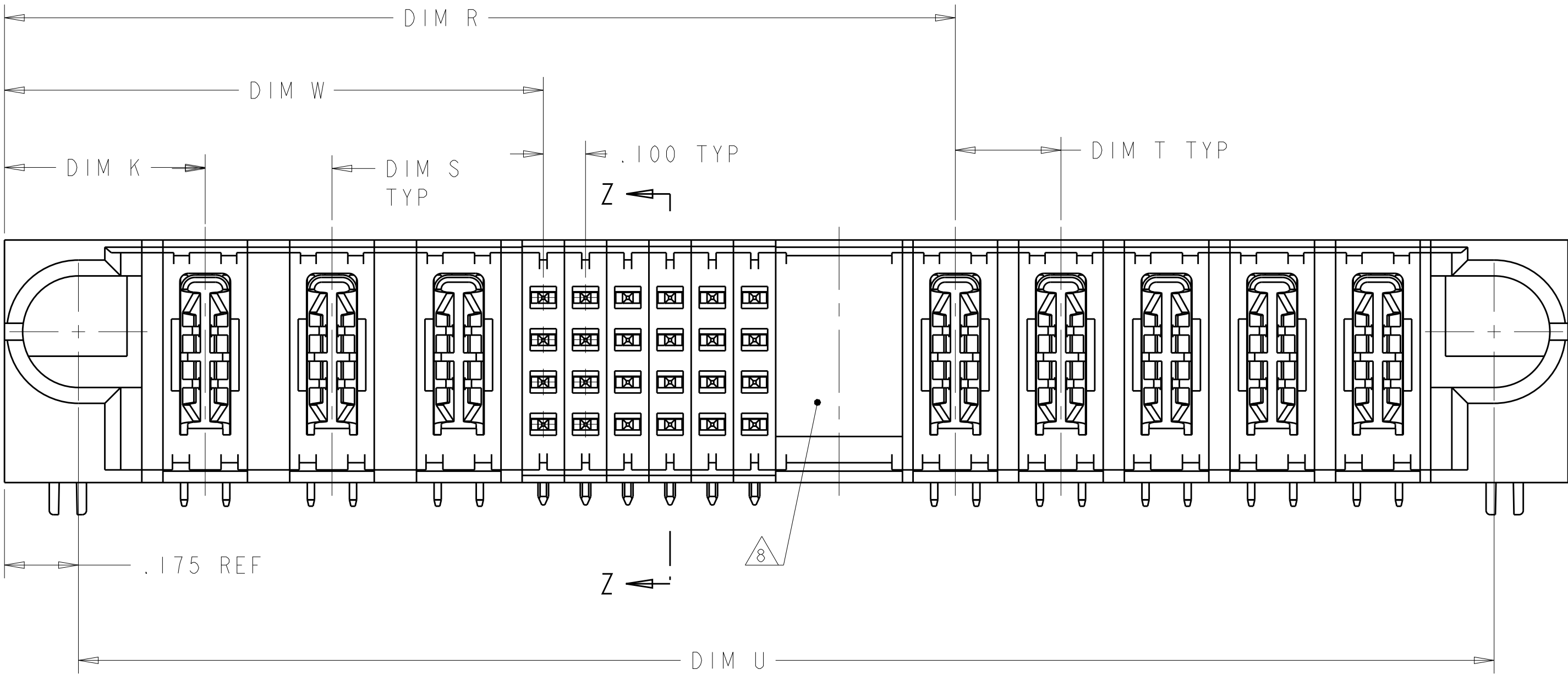
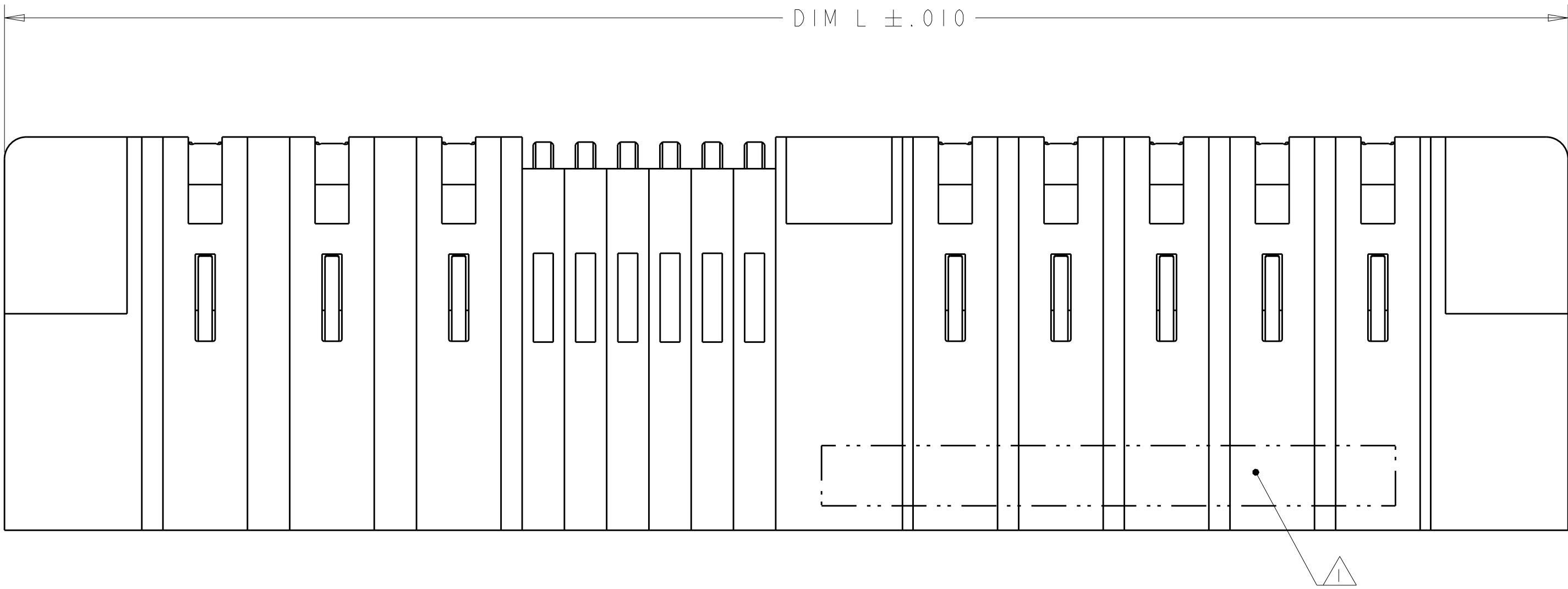
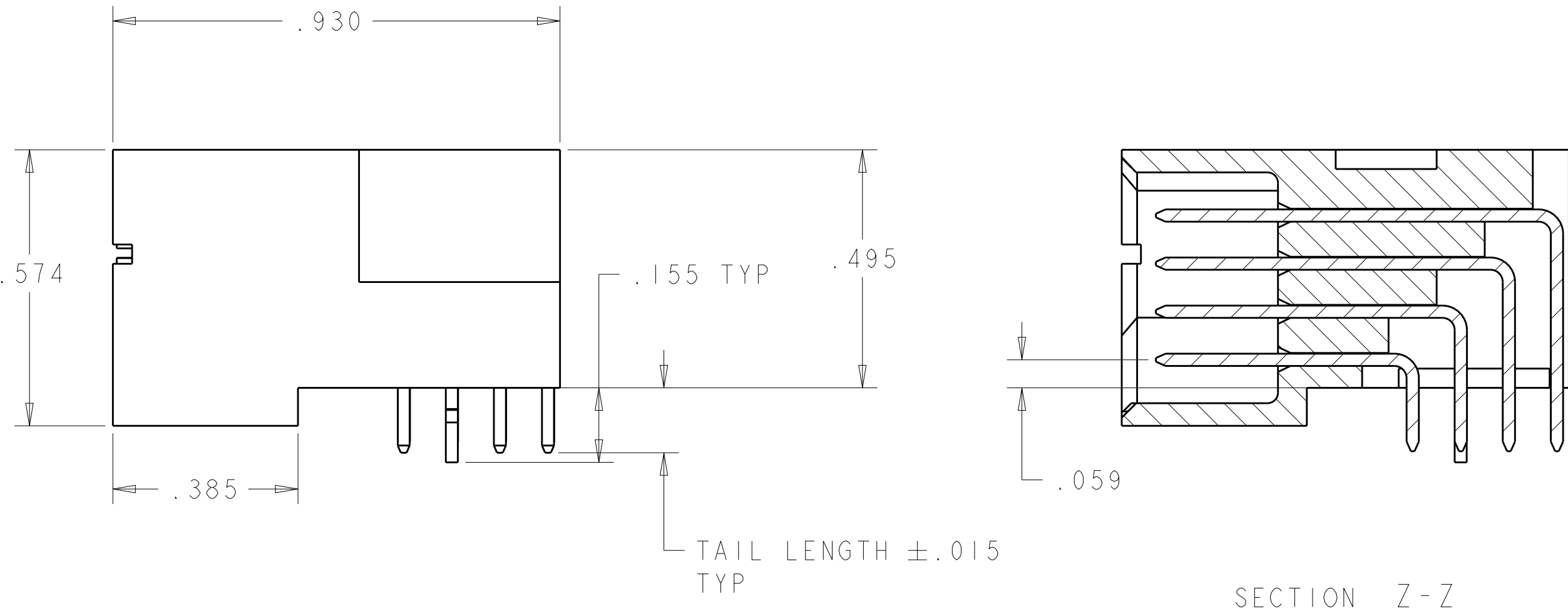


LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			M1	ADD NEW DASH NUMBER 7-0	08FEB2014	AL	SZ
			M2	ADD NEW DASH NUMBER	21MAR2014	AL	SZ



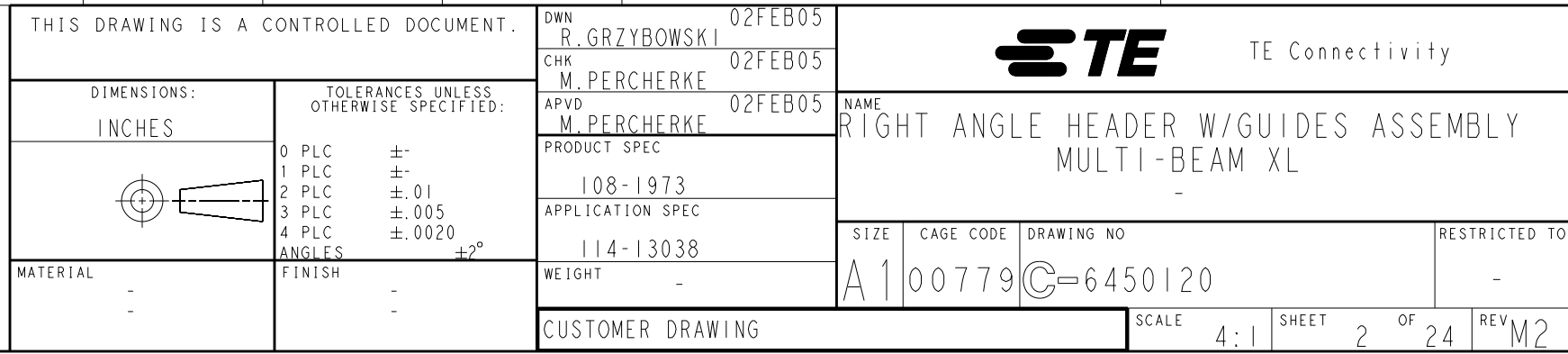
- 1 "AMP" PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN. PARTS UNDER 2.500 LONG MAY BE MARKED ON BOTH SIDES.
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL 94 V-0
SIGNAL CONTACT - COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.
- 3 CONTACT FINISHE:
NOBLE METAL PLATED 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.



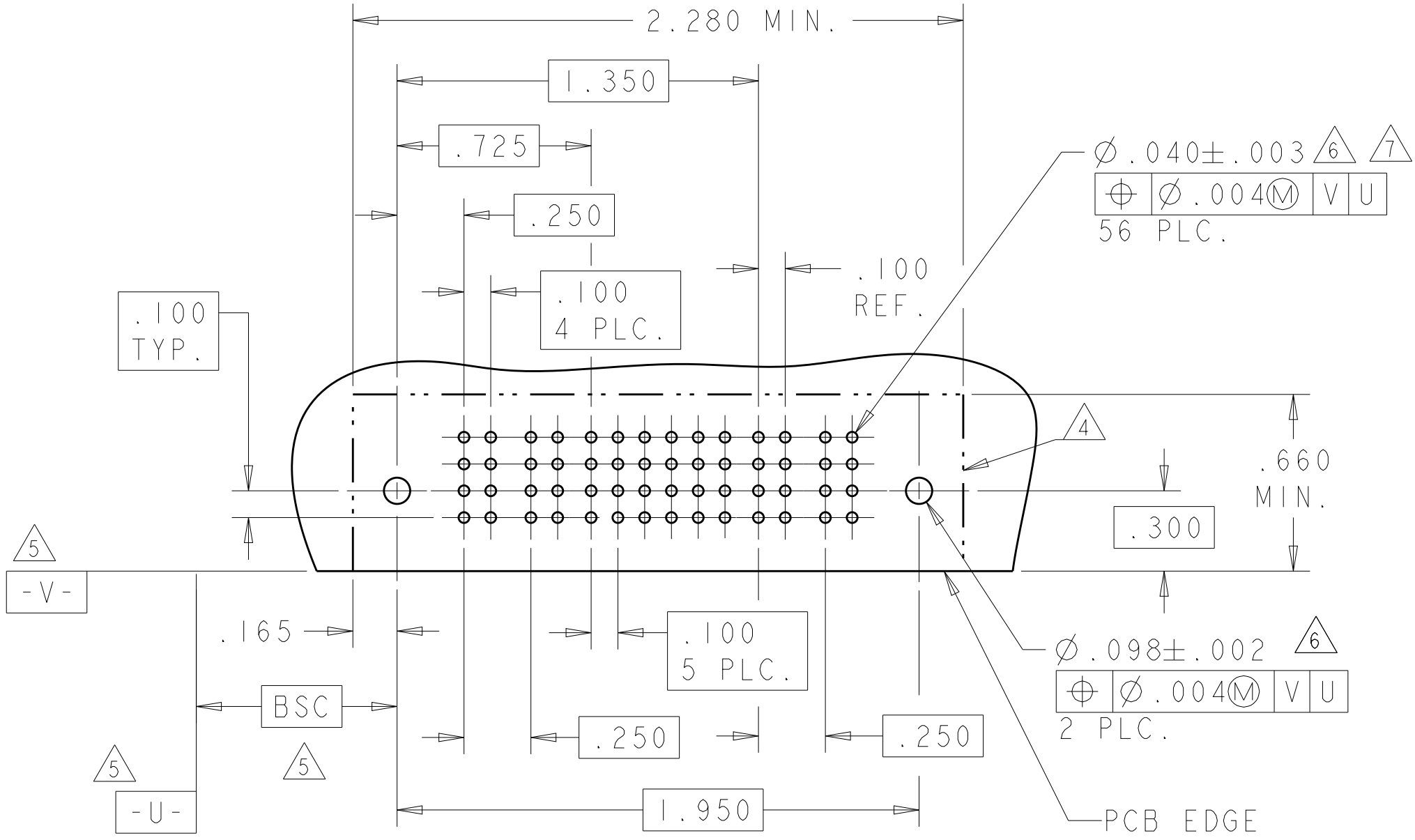
SECTION Z-Z

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	02FEB05	TE Connectivity	
		CHK M.PERCHERKE	02FEB05		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	
MATERIAL : 2		FINISH : 3		SIZE A100779	
		CUSTOMER DRAWING		DRAWING NO C=6450120	
				RESTRICTED TO -	
				SCALE 4:1	
				SHEET 1	
				OF 24	
				REV M2	

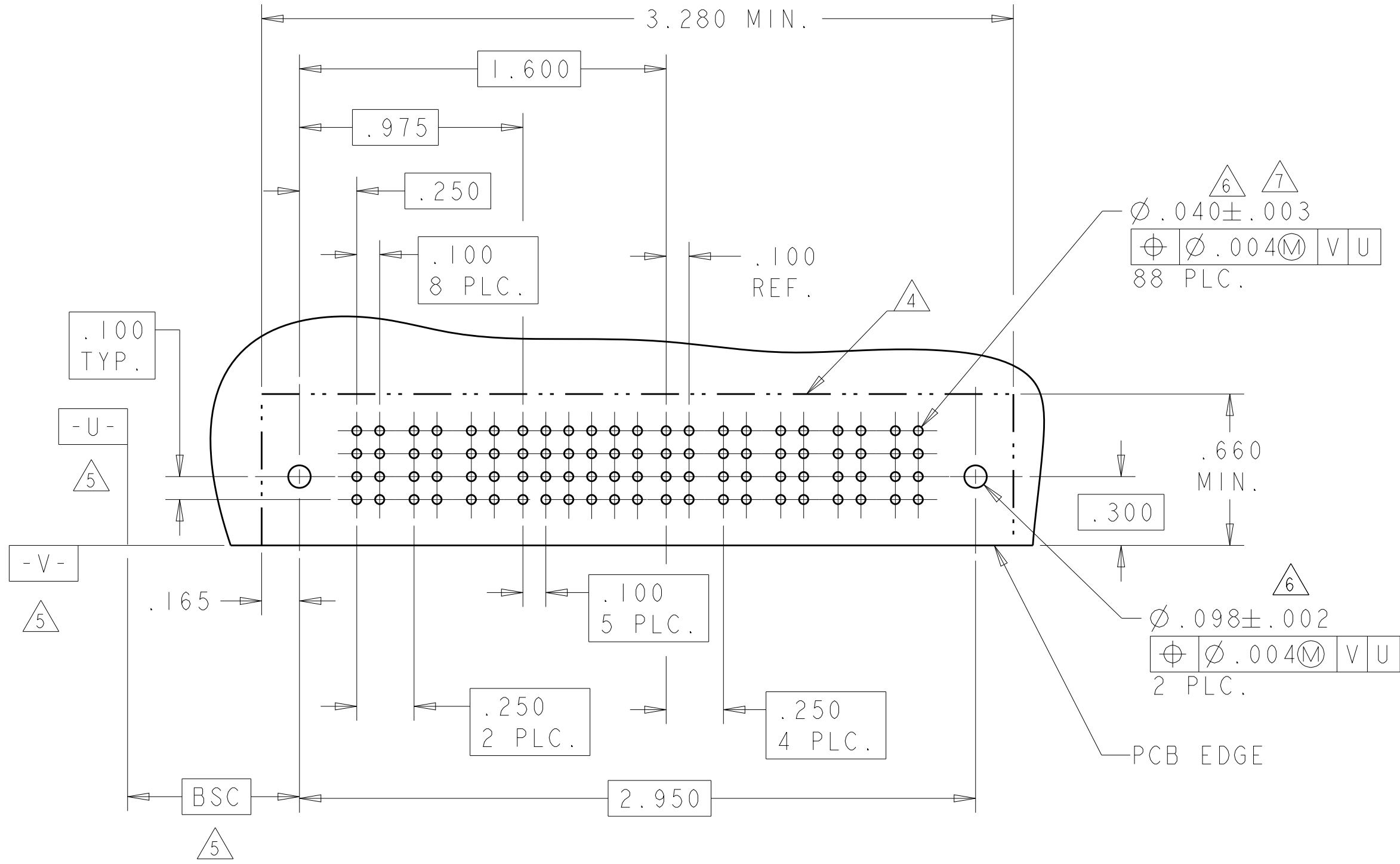
1.700	.250	.250	1.300	.875	1.750	-	2.050	.450	2P+16S+2P	7-6450120-1
2.700	.200	-	2.600	1.425	2.750	-	3.050	.450	5P + 44S + 1P	7-6450120-0
1.100	-	-	1.000	.625	1.150	-	1.450	.450	1P+12S+1P	6-6450120-9
1.000	-	-	.900	.625	1.050	-	1.350	.450	1P + 8S + 1P	6-6450120-8
2.850	.300	.200	2.125	1.825	2.900	-	3.200	.450	7HDP + 8S + 3ACP	6-6450120-7
2.650	.250	.200	1.550	.875	2.700	-	3.000	.450	2P + 24S + 6P	6-6450120-6
2.300	.300	.250	1.950	1.275	2.350	-	2.650	.475	3ACP + 24S + 2P	6-6450120-5
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



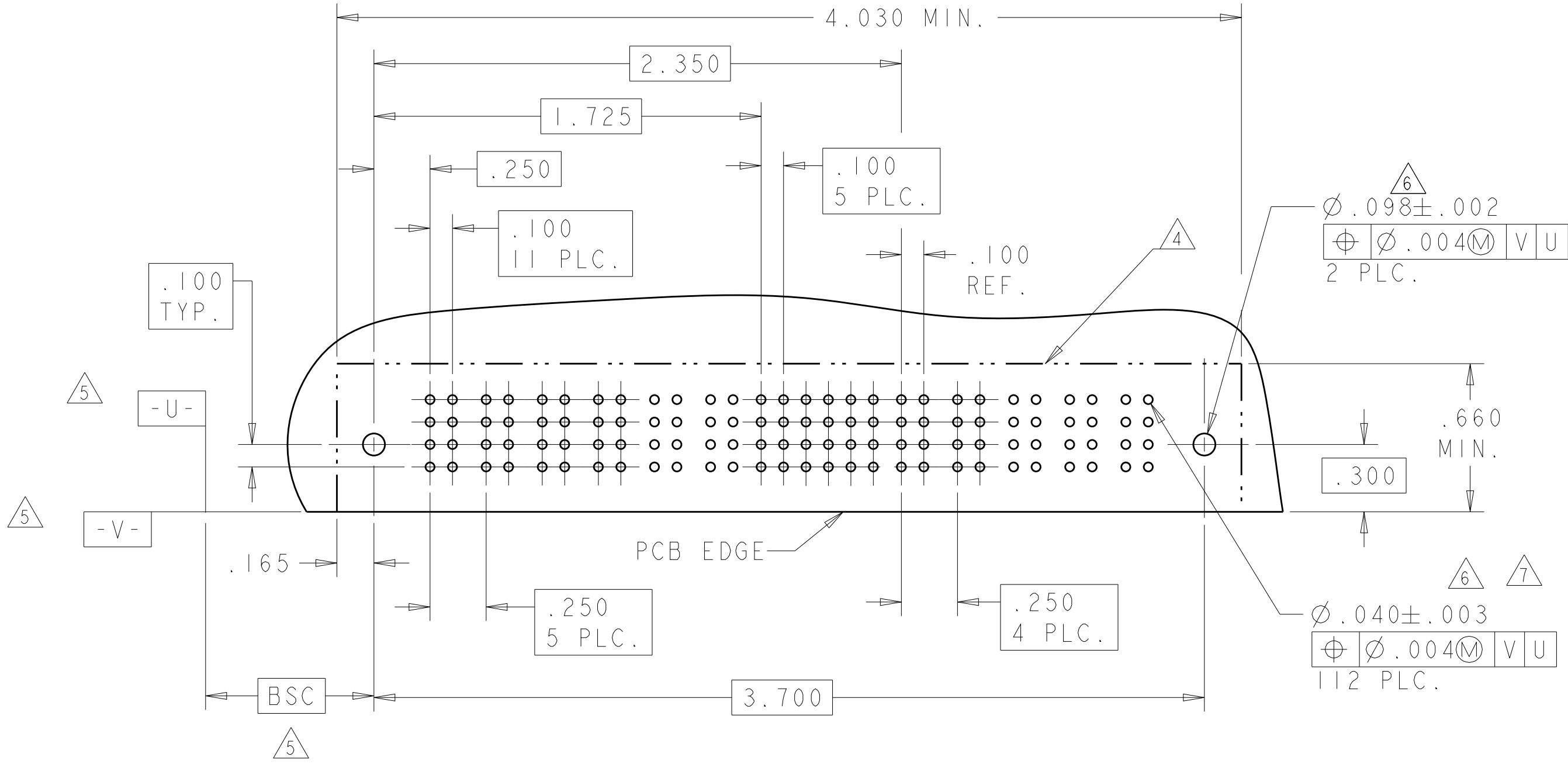
PART NUMBER	ROWS		POWER		SIGNAL						POWER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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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	
						K	K	K	K	K	K						
						N	N	N	N	N	N						
						S	S	S	S	S	S						
3P + 24S + 5P																	



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	J	J	J	J	J	J	PM	PM	PM	PM	PM	
									K	K	K	K	K	K						
									N	N	N	N	N	N						
									S	S	S	S	S	S						
6P + 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.

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

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±.01
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES ±.2°

MATERIAL: -

FINISH: -

PRODUCT SPEC: 108-1973

APPLICATION SPEC: 114-13038

WEIGHT: -

CUSTOMER DRAWING

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

SIZE: A100779

CAGE CODE: -

DRAWING NO: 6450120

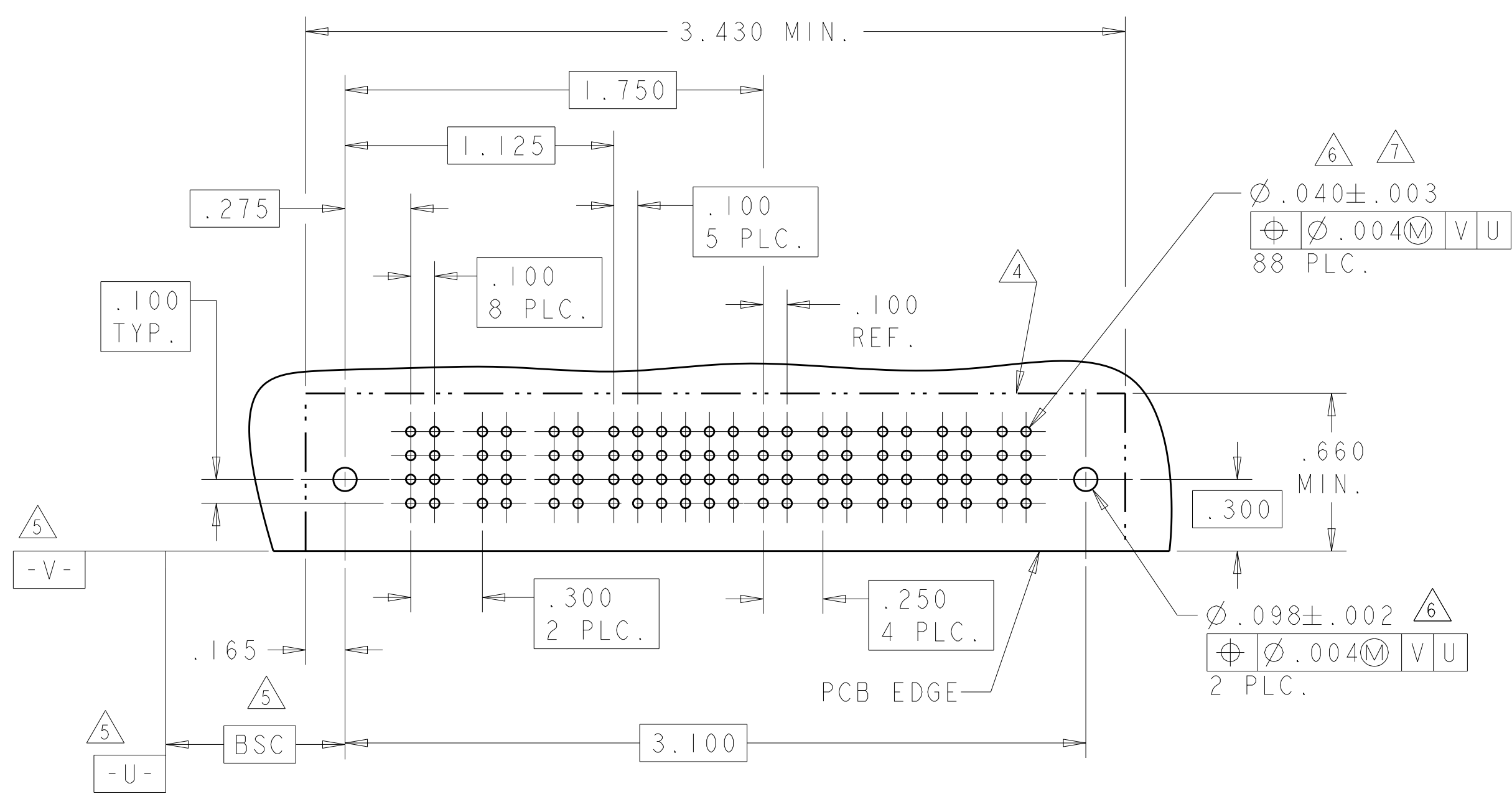
RESTRICTED TO: -

SCALE: 4:1

SHEET: 3 OF 24

REV: M2

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



7.780 MIN.

4.850

2.725

.250

.100
20 PLC.

.100
20 PLC.

.100 REF.

Ø .040 ± .003
⊕ Ø .004 (M) V U
244 PLC. ⚠ ⚠

.660 MIN.

.300

PCB EDGE

.250
9 PLC.

Ø .098 ± .002
⊕ Ø .004 (M) V U
2 PLC. ⚠

.165

.100 TYP.

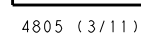
-U- ⚠

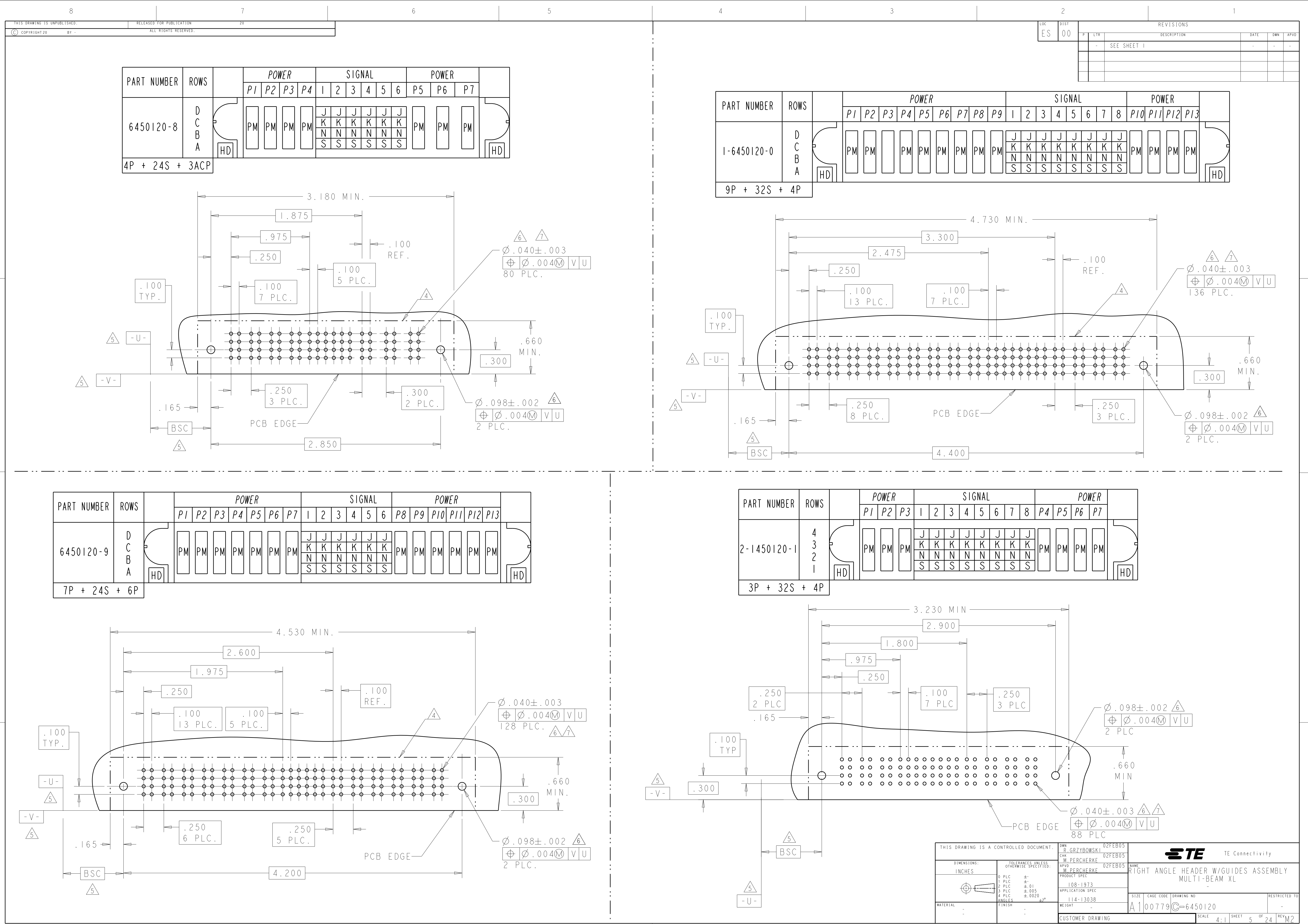
-V- ⚠

BSC

7.450

⚠





.165
 2.175
 1.500
 .850
 .275
 .100
 7 PLC
 .100
 5 PLC
 3.055 MIN
 72 PLC
 $\varnothing .040 \pm .003$
 $\varnothing .004 (M)$ V U
 .660 MIN
 .300
 .200
 2 PLC
 .200
 .200
 PCB EDGE
 $\varnothing .098 \pm .002$
 $\varnothing .004 (M)$ V U
 2 PLC
 .725
 .100
 7 PLC
 .100
 5 PLC
 .660 MIN
 .300
 .200
 2 PLC
 .200
 .200
 PCB EDGE
 $\varnothing .098 \pm .002$
 $\varnothing .004 (M)$ V U
 2 PLC
 .725

2.780 MIN.

1.600

.250 REF

.975

.250
4 PLC

.100 TYP.

-U-

5

-V-

5

.165

.100
6 PLC.

PCB EDGE

.100
5 PLC.

.100 REF.

.660 MIN.

.300

6

7

$\varnothing .040 \pm .003$
72 PLC.

6

$\varnothing .098 \pm .002$
2 PLC

5

BSC

2.450

.165
 1.580 MIN
 1.250
 .900
 .475
 .250
 .100 TYP
 .660 MIN
 .300
 .098 ± .002
 .040 ± .003
 .004 (M) V U
 32 PLC
 2 PLC
 PCB EDGE
 BSC
 .100 3 PLC
 -V-
 -U-

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:
INCHES		
0 PLC	± .	
1 PLC	± .	
2 PLC	± .01	
3 PLC	± .005	

PCB EDGE

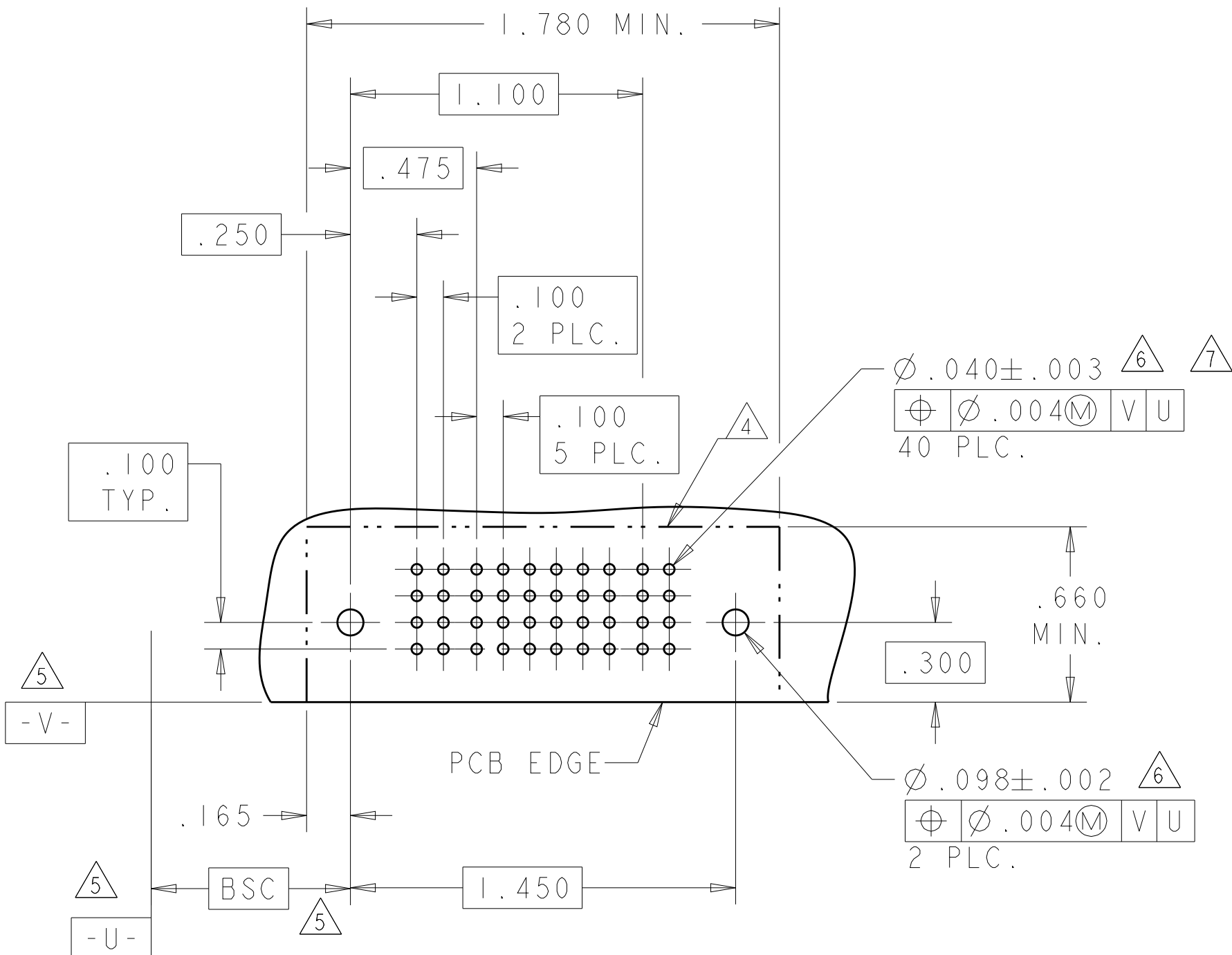
MANUFACTURING SPECIFICATIONS:

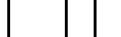
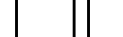
DWN	CHK	APVD	PRODUCT SPEC	APPLICATION SPEC
R GRZYBOWSKI	M PERCZERKE	M PERCZERKE	108-1973	

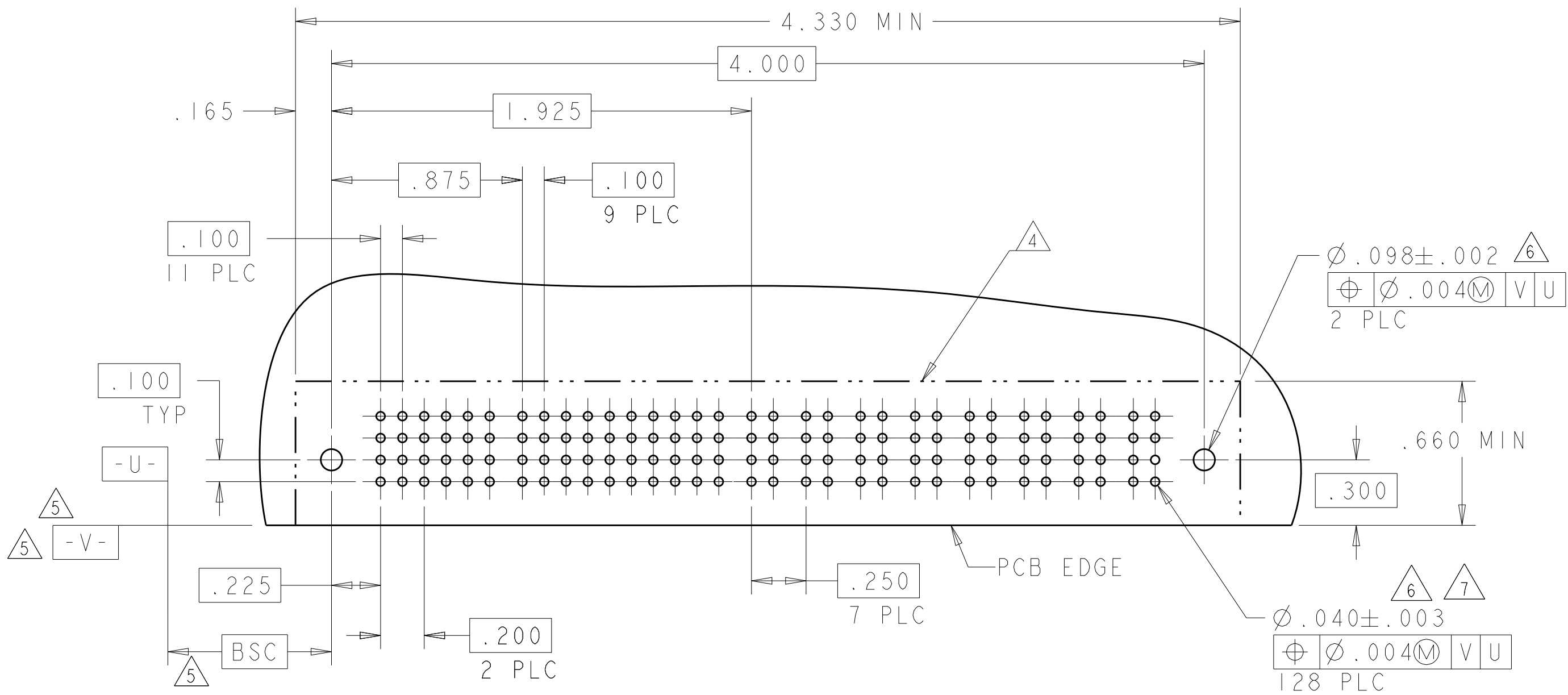
DATE: 02FEB05
NAME: RIGHT ANGLE

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG R.GRZYBOWSKI	02FEB05		TE Connectivity	
		CWK M.PERCHEKKE	02FEB05			
		APPROV M.PERCHEKKE	02FEB05			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	
	0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0025	PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
MATERIAL	FINISH	WEIGHT	A1	00779	C-6450120	-
		CUSTOMER DRAWING	SCALE		4 : 1	SHEET 6 OF 24 REV M2

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

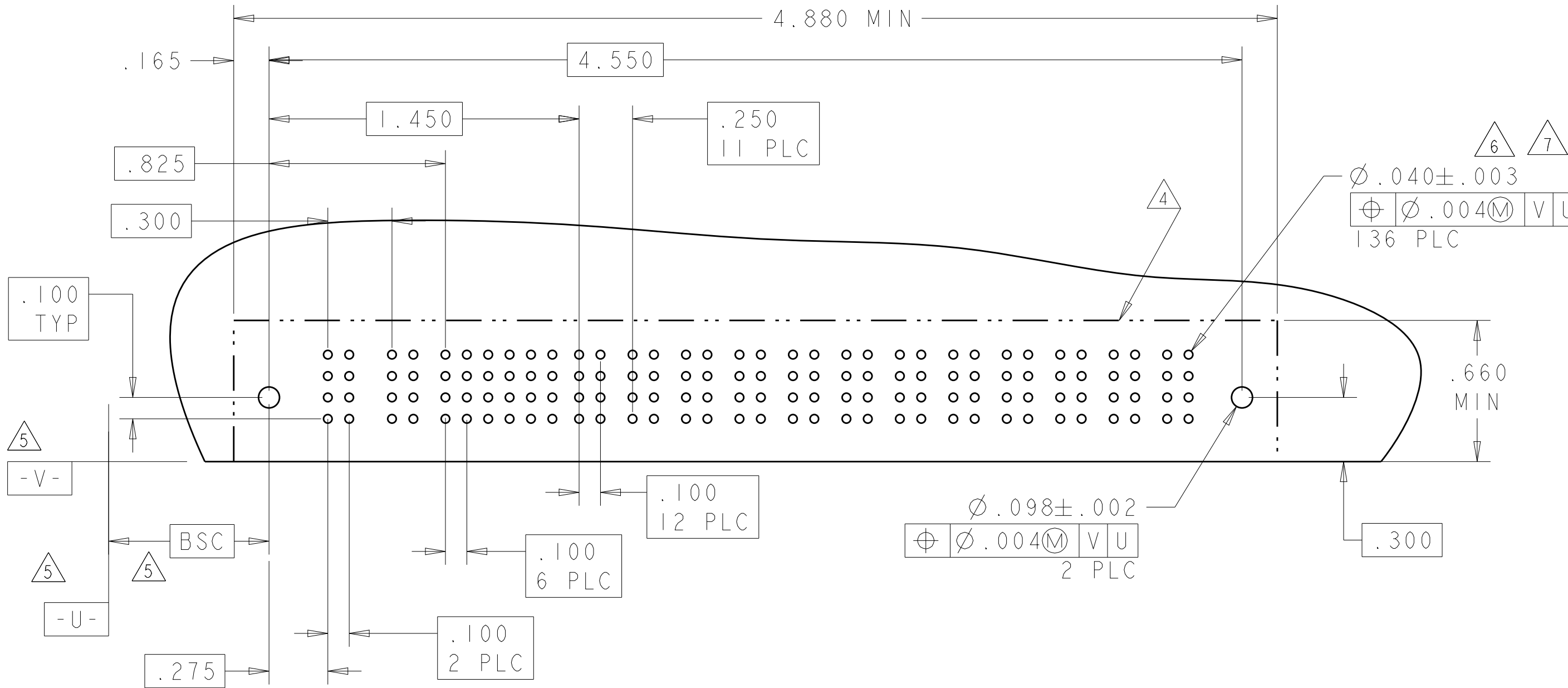


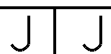
PART NUMBER	ROWS		POWER			SIGNAL										POWER								
			P1	P2	P3	1	2	3	4	5	6	7	8	9	10	P4	P5	P6	P7	P8	P9	P10	P11	
2-6450120-0	D C B A				J	J	J	J	J	J	J	J	J	J										
					K	K	K	K	K	K	K	K	K	K										
					N	N	N	N	N	N	N	N	N	N									N	
					S	S	S	S	S	S	S	S	S	S									S	
3P + 40S + 8P																								

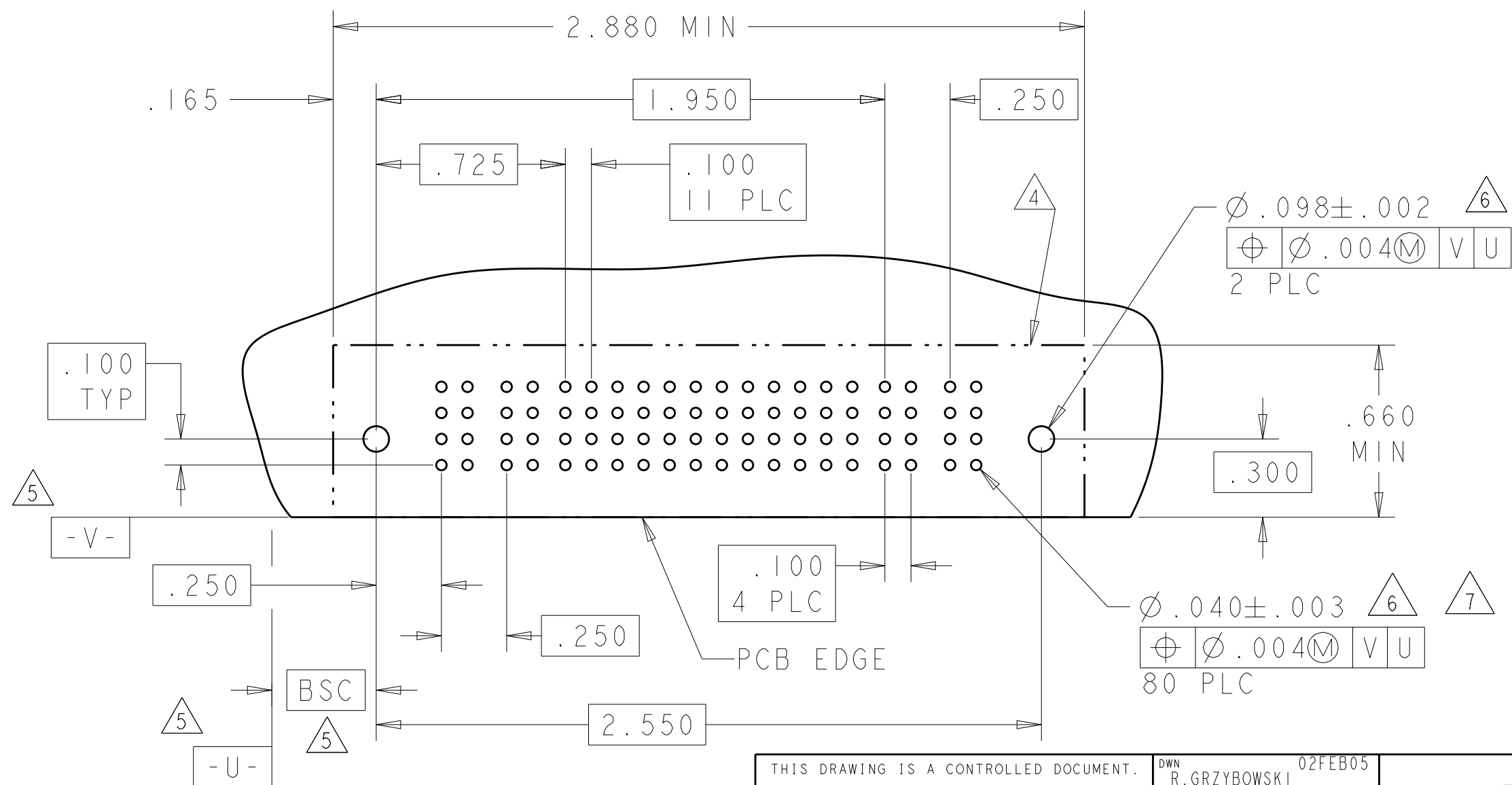


LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION		DATE	DWN	APVD	
ES	00	-	SEE SHEET 1	-	-	-	

PART NUMBER	ROWS		POWER		SIGNAL						POWER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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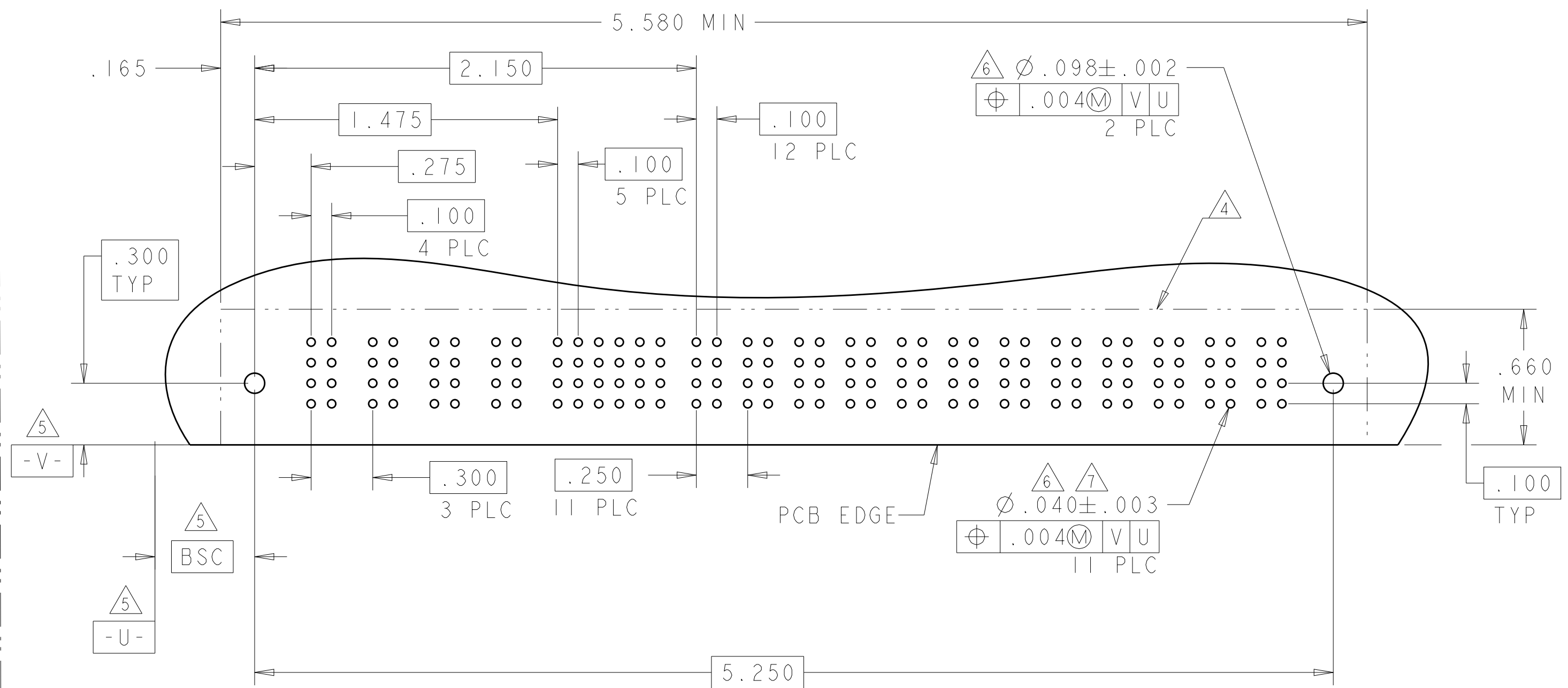


PART NUMBER	ROWS		POWER		SIGNAL												POWER				
			P1	P2	1	2	3	4	5	6	7	8	9	10	11	12	P3	P4			
2-6450120-3	D C B A					J	J	J	J	J	J	J	J	J	J	J					
						K	K	K	K	K	K	K	K	K	K	K				K	
						N	N	N	N	N	N	N	N	N	N	N				N	N
						S	S	S	S	S	S	S	S	S	S	S				S	S
2P + 48S + 2P																					

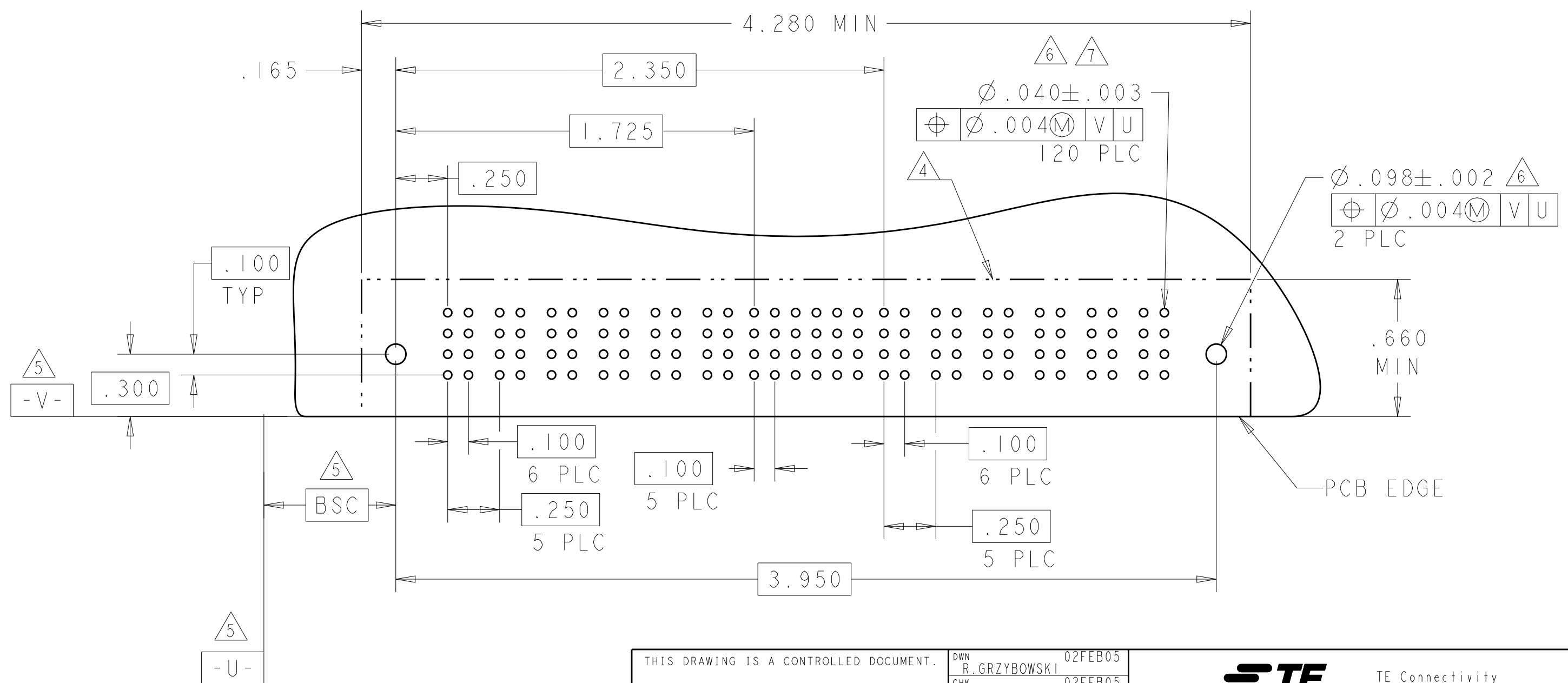


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 02FEB05	TE Connectivity	
DIMENSIONS: INCHES		CHK M.PERCHEKKE 02FEB05	RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD W.PERCHEKKE 02FEB05	NAME	
0 PLC ±.01		PRODUCT SPEC	SIZE	
1 PLC ±.01		108-1973	CAGE CODE	
2 PLC ±.005		APPLICATION SPEC	DRAWING NO	
3 PLC ±.002		114-13038	RESTRICTED TO	
4 PLC ±.002		WEIGHT	A100779	
FINISH		CUSTOMER DRAWING	SCALE 4:1	
MATERIAL		SHEET 7 OF 24		REV M2

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	
2-64501020-6	D C B A		PM	PM	PM	PM	K J K J K J K J						PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
							N N N N N N N N																		
							S S S S S S S S																		
4ACP + 24S + 12P																									



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																					
																						
6P + 24S + 6P																						

4805 (3/11)

[illegible][illegible]4805 (3/11)

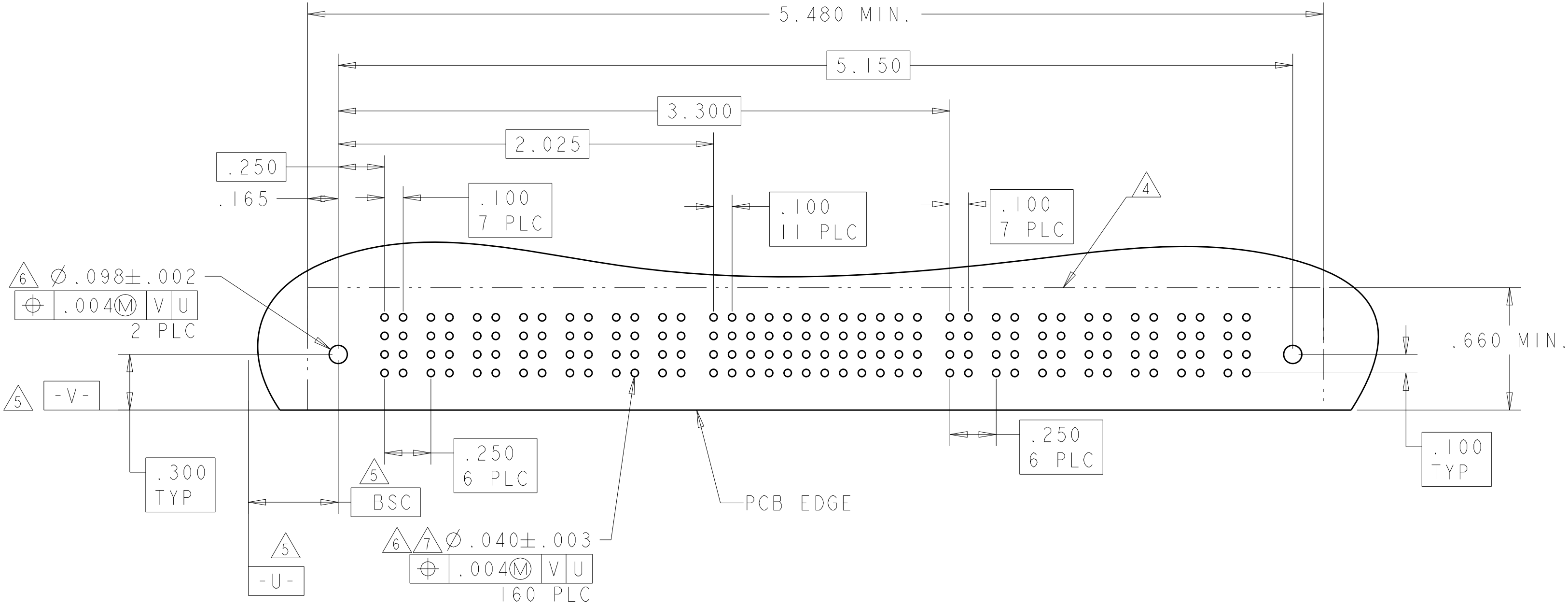
Top view drawing of a PCB assembly. The drawing includes the following dimensions and tolerances:

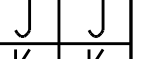
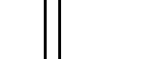
- Overall width: 4.480 MIN
- Overall height: .660 MIN
- Left side dimensions: .165, 2.050, 1.425, .275, .300 (3 PLC)
- Right side dimensions: .250 (7 PLC), .100 (TYP)
- Bottom dimensions: .300 (5), .100 (4 PLC), .100 (8 PLC), .100 (TYP)
- Internal dimensions: .100 (TYP), .250 (7 PLC), .300 (3 PLC)
- Feature 1 (Left): $\varnothing .040 \pm .003$, $\varnothing .004$ (120 PLC), V, U
- Feature 2 (Right): $\varnothing .098 \pm .002$, $\varnothing .004$ (2 PLC), V, U
- Feature 3 (Bottom): .100 (TYP), 8 PLC
- Feature 4 (Top): .100 (TYP), 7 PLC
- Feature 5 (Left): .300 (5), BSC
- Feature 6 (Right): .100 (TYP)
- Feature 7 (Bottom): .100 (4 PLC)
- Feature 8 (Top): .250 (7 PLC)
- Feature 9 (Left): .275
- Feature 10 (Right): .250 (7 PLC)
- Feature 11 (Bottom): .100 (TYP)
- Feature 12 (Top): .100 (TYP)
- Feature 13 (Left): .300 (3 PLC)
- Feature 14 (Right): .300 (3 PLC)
- Feature 15 (Bottom): .100 (TYP)
- Feature 16 (Top): .100 (TYP)
- Feature 17 (Left): .100 (TYP)
- Feature 18 (Right): .100 (TYP)
- Feature 19 (Bottom): .100 (TYP)
- Feature 20 (Top): .100 (TYP)
- Feature 21 (Left): .100 (TYP)
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- Feature 183 (Bottom): .100 (TYP)
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- Feature 185 (Left): .100 (TYP)
- Feature 186 (Right): .100 (TYP)
- Feature 187 (Bottom): .100 (TYP)</

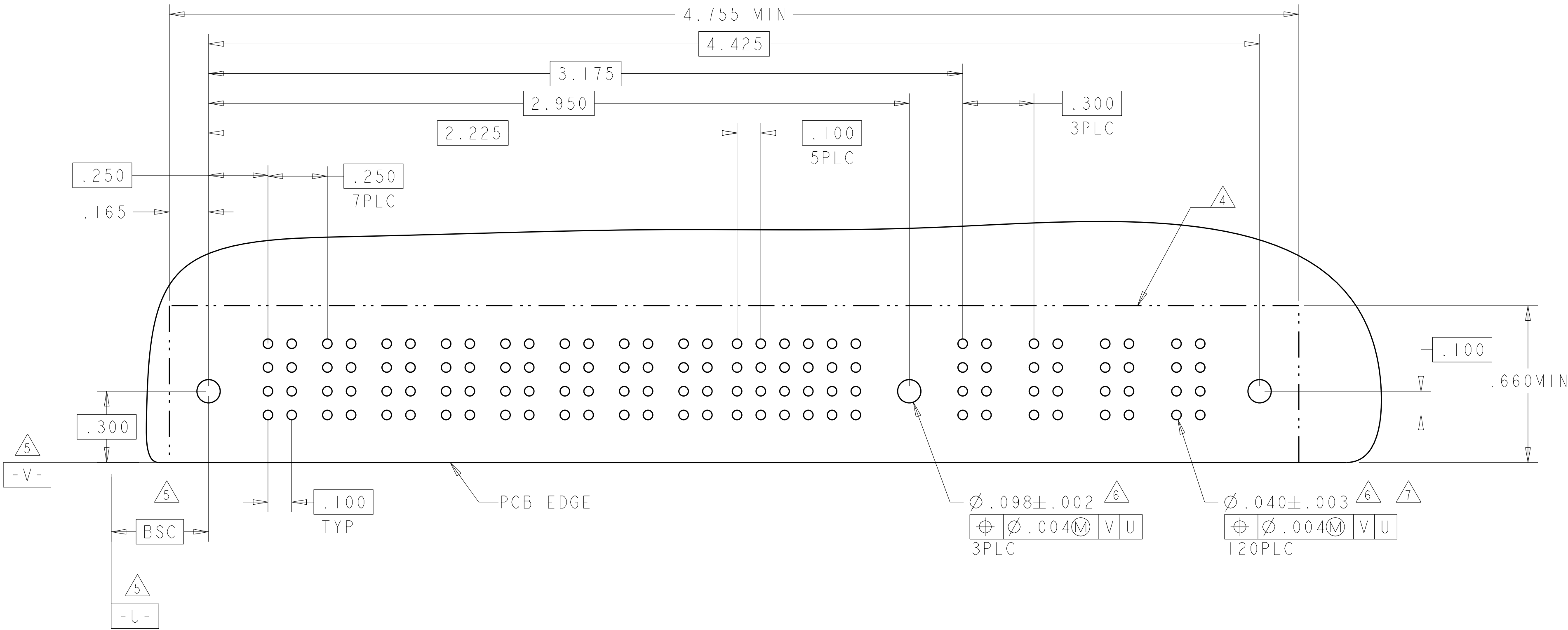
[illegible]4805 (3/11)

LOC	DIST	REVISONS				
		P	LTR	DESCRIPTION	DATE	DWN
ES	00	-	-	SEE SHEET 1	-	-

PART NUMBER	ROWS		POWER							SIGNAL												POWER									
			P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6	7	8	9	10	11	12	P8	P9	P10	P11	P12	P13	P14			
3-6450120-4	D C B A									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	
										N	N	N	N	N	N	N	N	N	N	N	N								N	N	N
										S	S	S	S	S	S	S	S	S	S	S	S								S	S	S
7P + 48S + 7P																															



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



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
R.GRZYBOWSKI
CHK
M.PERCHEKKE
APVD
M.PERCHEKKE

02FEB05
02FEB05
02FEB05

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

108-1973
APPLICATION SPEC
114-13038

WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

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

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=6450120

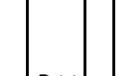
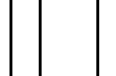
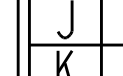
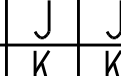
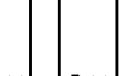
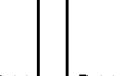
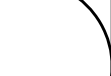
RESTRICTED TO
-

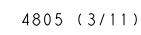
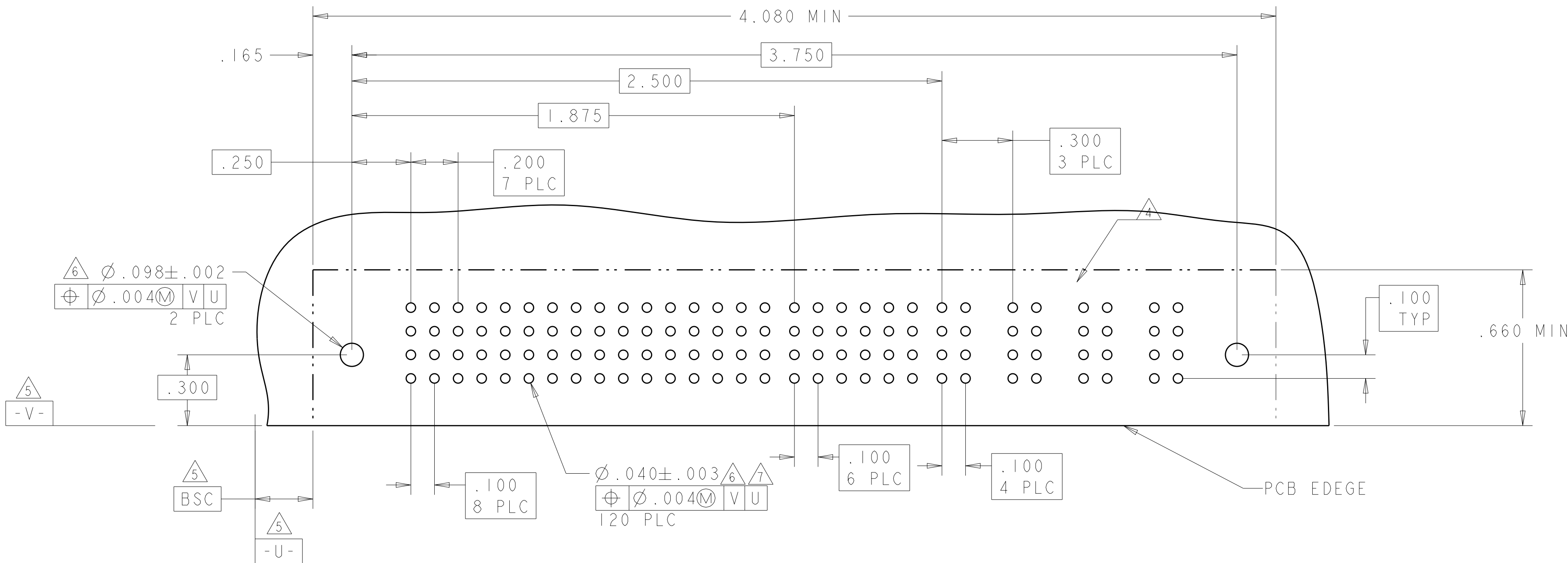
SCALE
4:1

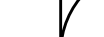
SHEET
11

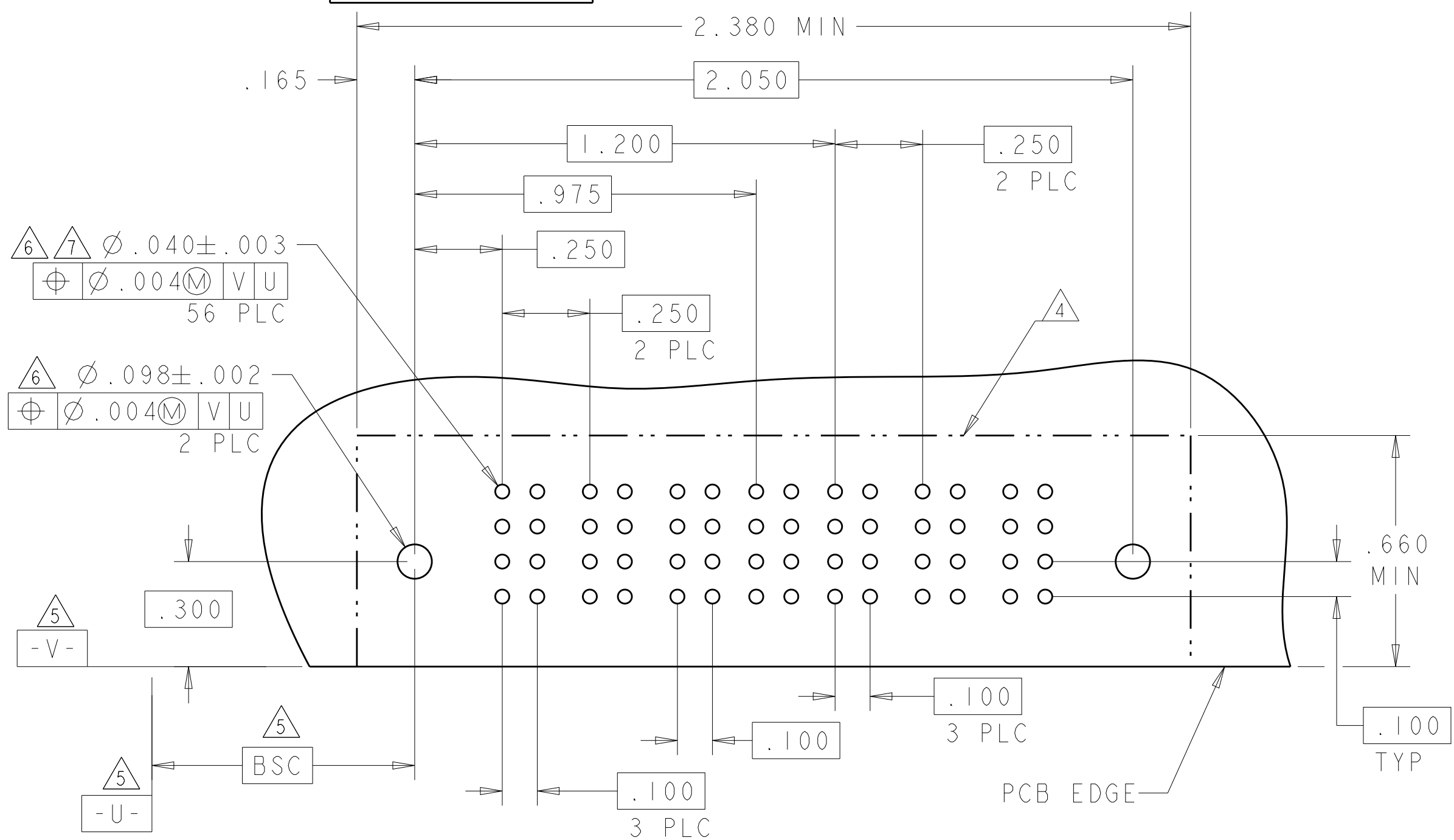
OF
24

REV
M2

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									J	J	J	J	J	J						
										K	K	K	K	K	K						
										N	N	N	N	N	N						
										S	S	S	S	S	S						
8P + 24S + 4ACP																					



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



2.280 MIN.

1.350

.725

.250

.100
4 PLC

Ø .040 ± .003
56 PLC.

.100 TYP.

4

.660 MIN.

.300

5
-V-

.165

5
BSC

.100
5 PLC.

.250

.250

Ø .098 ± .002
2 PLC.

PCB EDGE

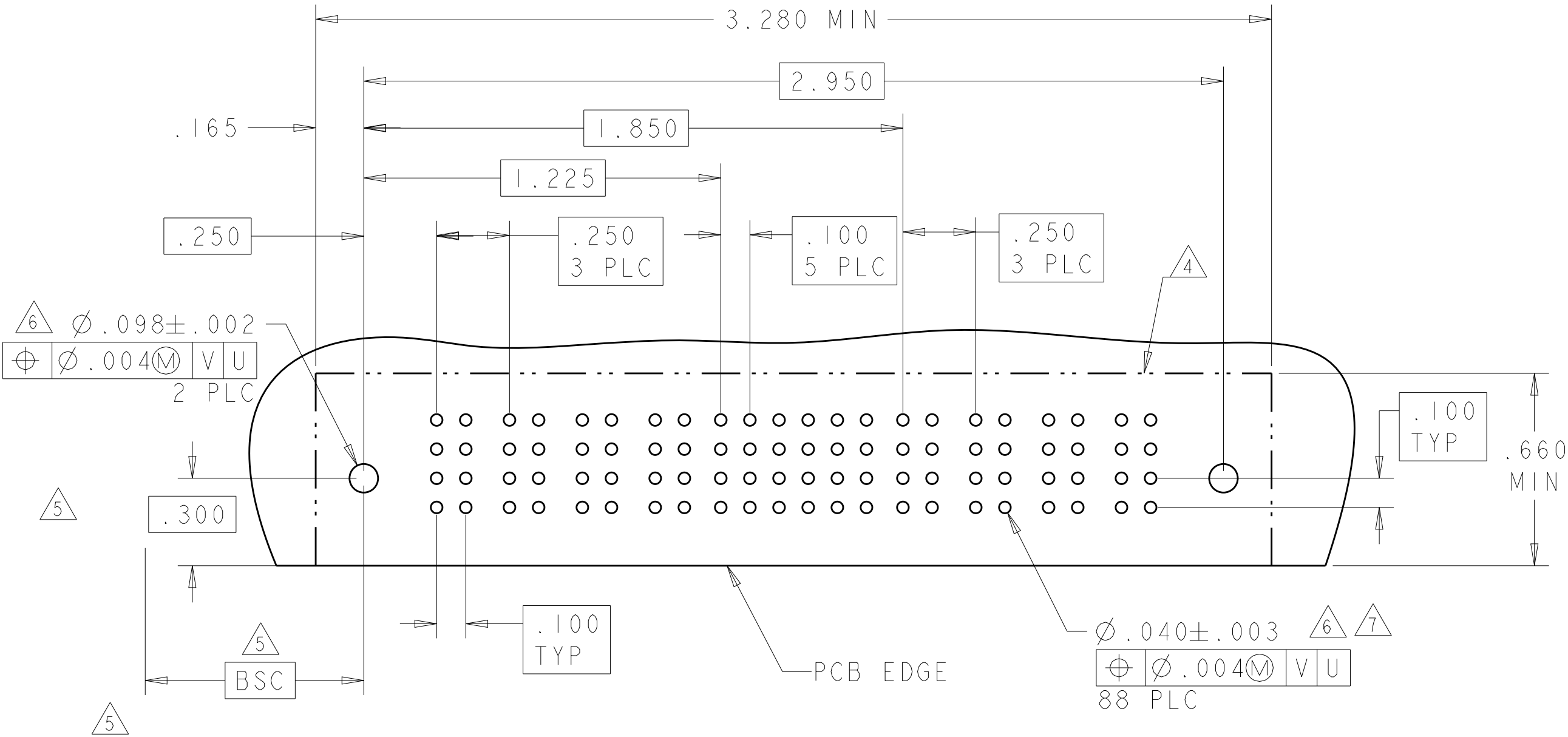
5
-U-

1.950

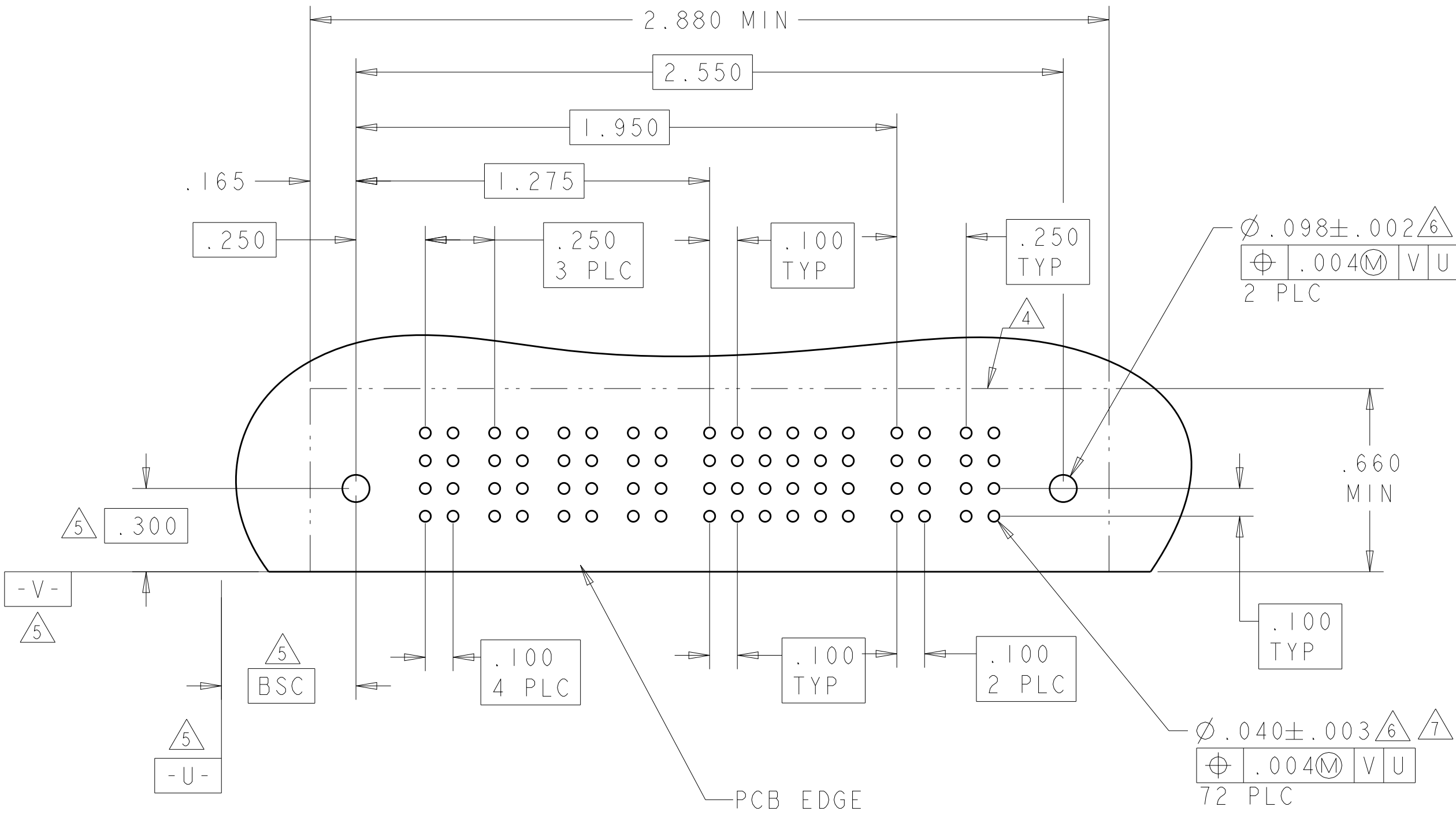
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN. GRZYBOWSKI 02FEB05 CHG. M. PERCHERKE 02FEB05 APPR. M. PERCHERKE 02FEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	
		0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±0°		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	
MATERIAL -		FINISH -		SIZE CAGE CODE DRAWING NO RESTRICTED TO A100779C6450120 -	
		WEIGHT -		CUSTOMER DRAWING -	
				SCALE 4:1 SHEET 13 OF 24 REV M	

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

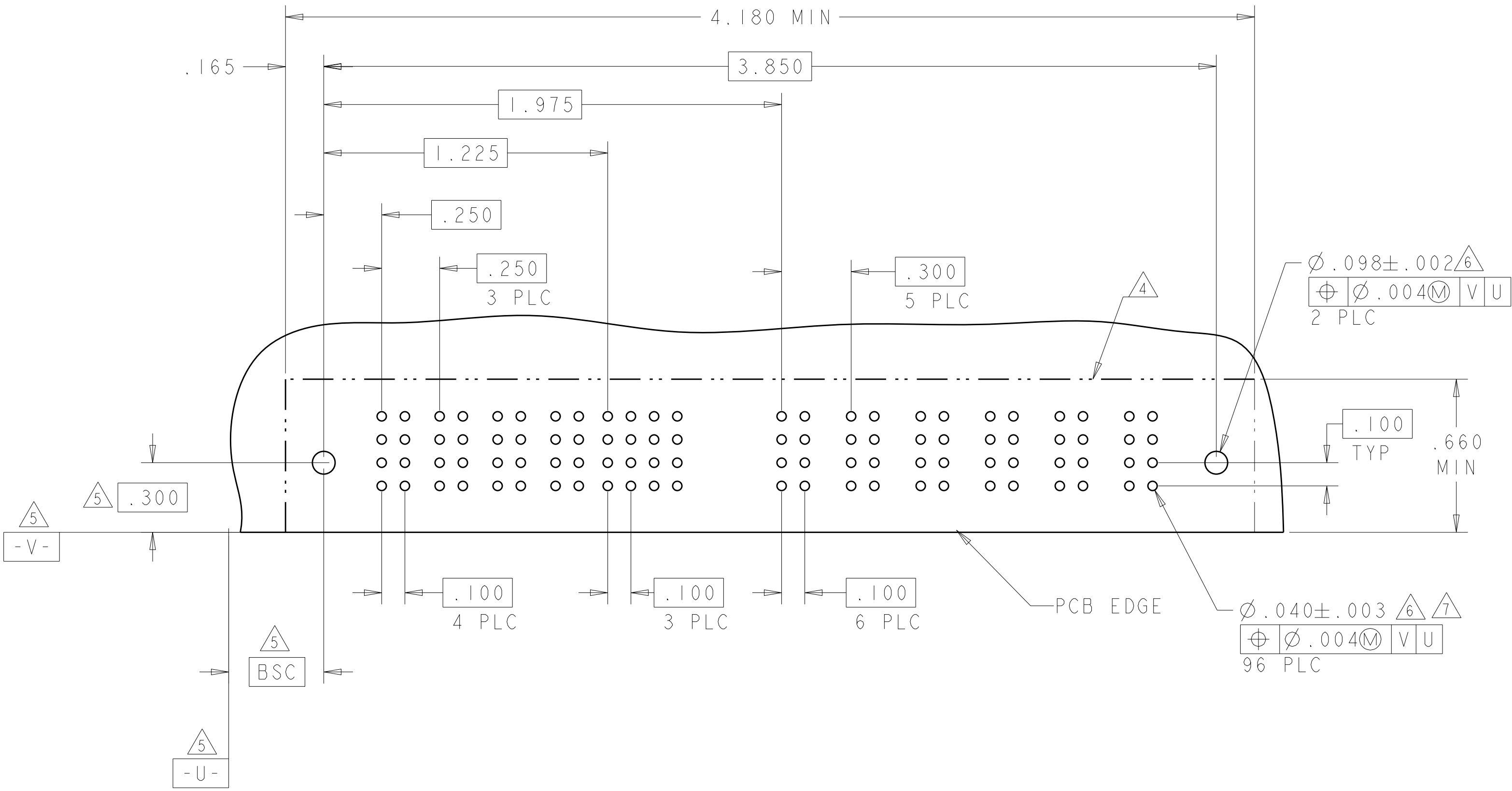
PART NUMBER	ROWS	POWER				SIGNAL						POWER					
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7	P8		
4-6450120-8	D		PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	
	C						K	K	K	K	K	K					
	B						N	N	N	N	N	N					
	A						S	S	S	S	S	S					
4P + 24S + 4P																	



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	K			
	B						N	N	N	N	N	N			
	A						S	S	S	S	S	S			
4P + 24S + 2P															



PART NUMBER	ROWS		POWER				SIGNAL				POWER							
			P1	P2	P3	P4	1	2	3	4	P5	P6	P7	P8	P9	P10		
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																		



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: R.GRZYBOWSKI 02FEB05
CHK: M.PERCHEKKE 02FEB05
APVD: M.PERCHEKKE 02FEB05

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

CUSTOMER DRAWING

SCALE 4:1

SHEET 14 OF 24

REV M2

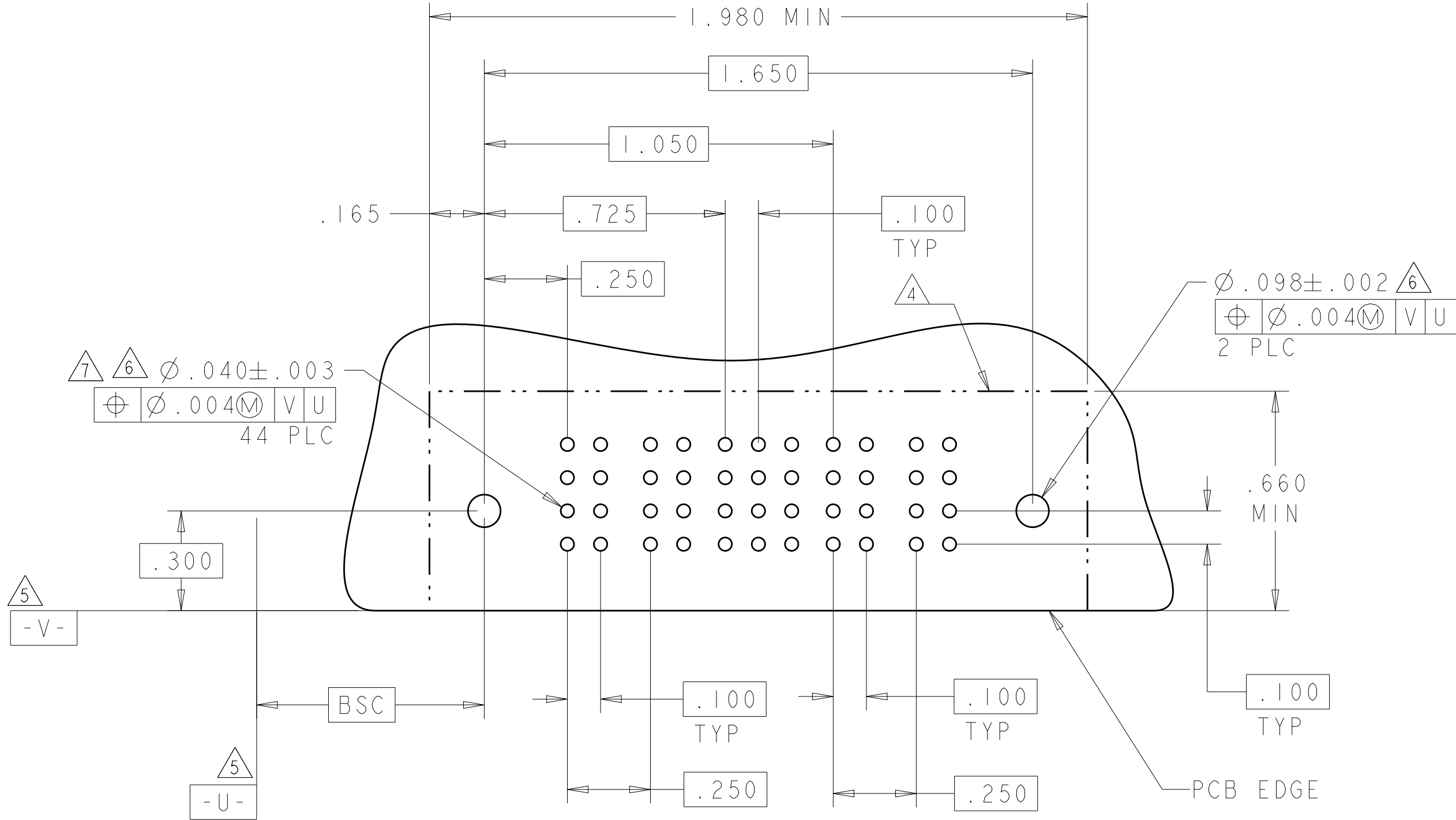
TE Connectivity

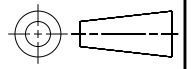
RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL

NAME -
SIZE CAGE CODE DRAWING NO A100779C=6450120

LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	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										

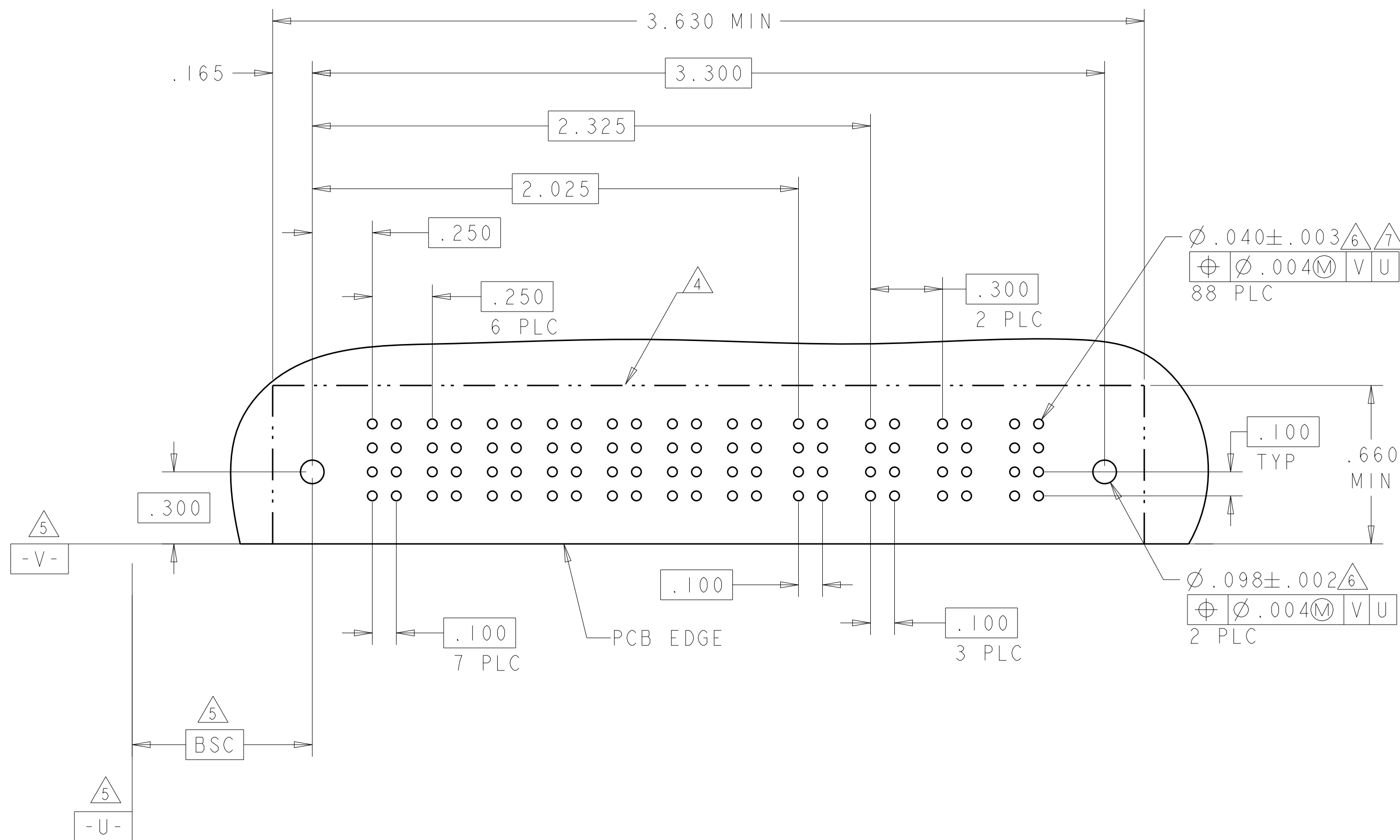


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	02FEB05	 TE Connectivity	
		CHK M.PERCHERKE	02FEB05		
DIMENSIONS: INCHES		APVD M.PERCHERKE	02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2° FINISH		APPLICATION SPEC	
MATERIAL -		WEIGHT -		RESTRICTED TO -	
CUSTOMER DRAWING		SCALE 4:1		SHEET 15 OF 24	
				REV M2	

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PART NUMBER	ROWS		POWER							SIGNAL		POWER			
			P1	P2	P3	P4	P5	P6	P7	I	2	P8	P9	P10	
5-6450120-5	D		PM	PM	PM	PM	PM	PM	PM	J	J	PM	PM	PM	
	K									K					
	N									N					
	A	HD													
7P + 8S + 3ACP															

4805 (3/11)

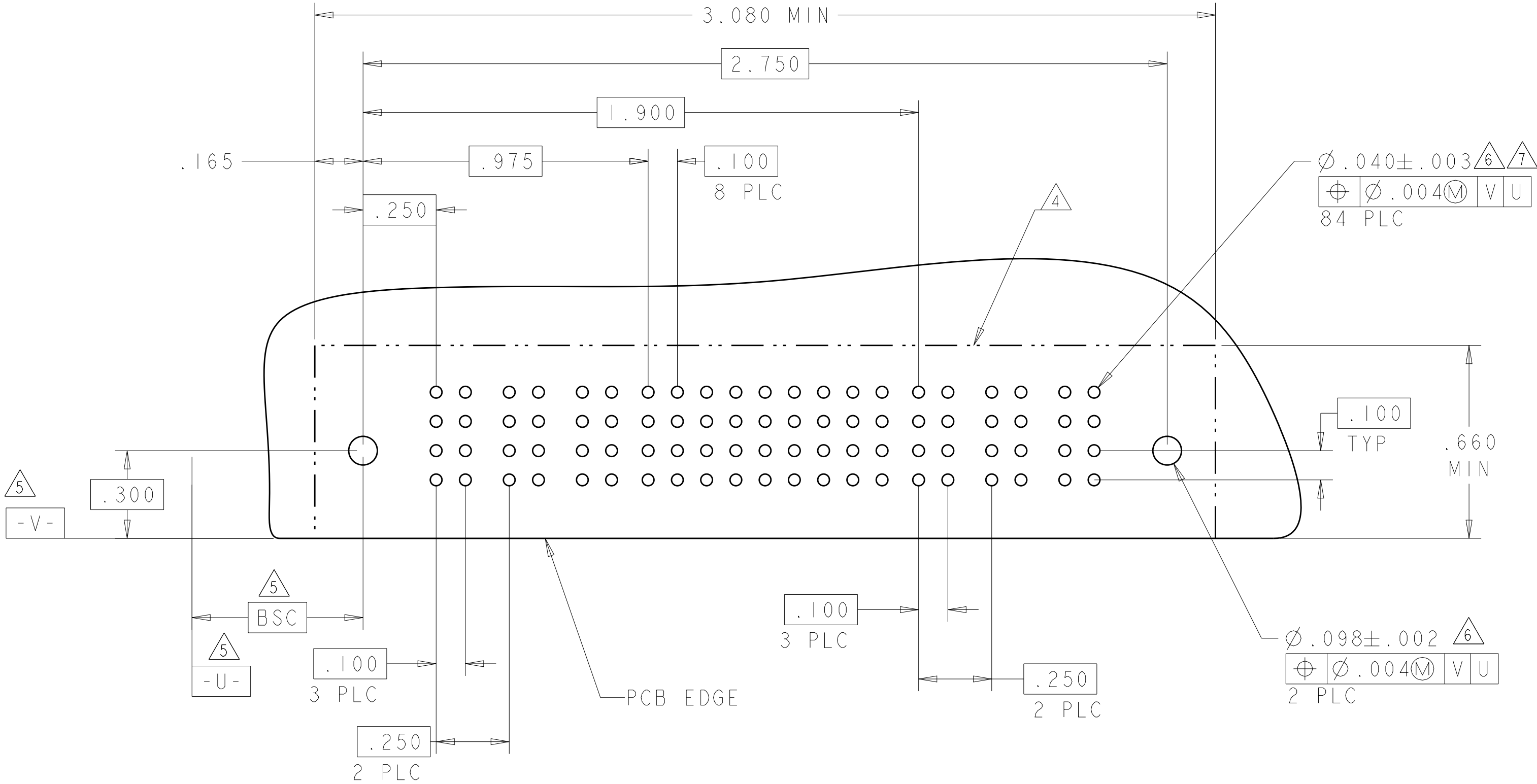
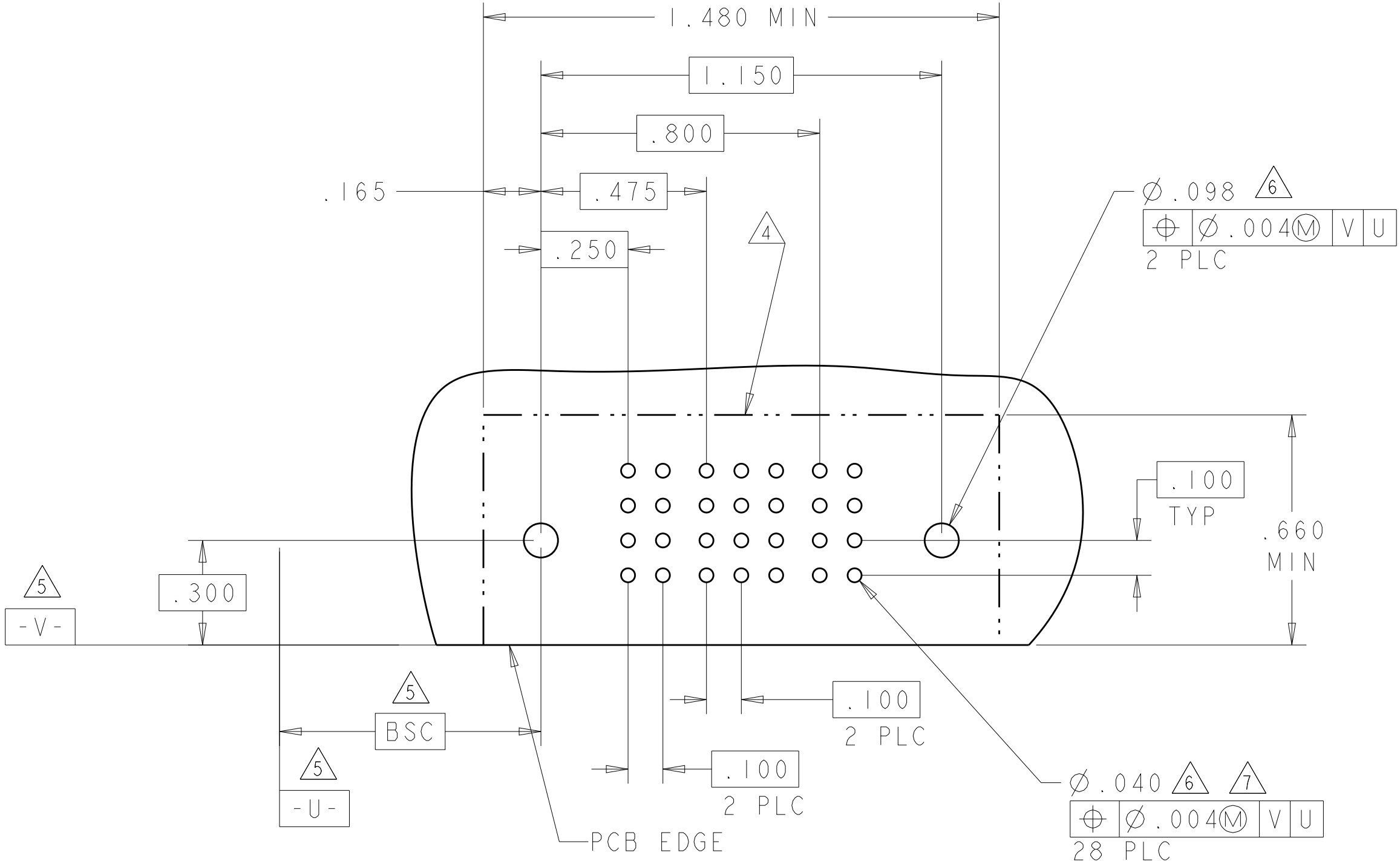
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-

L9

PART NUMBER	ROWS	POWER		SIGNAL			POWER	
		PI	I	2	3	P2		
6-6450120-9	D	PM	J	J	E	PM		
	C		K	K	K			
	B		N	N	N			
	A		H	S	S			
IP + 12S + IP		HD				HD		

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

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	HD	PM	PM	PM	J	J	J	J	J	J	J	J	J	PM	PM	PM	HD
						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 + 36S + 3P																		

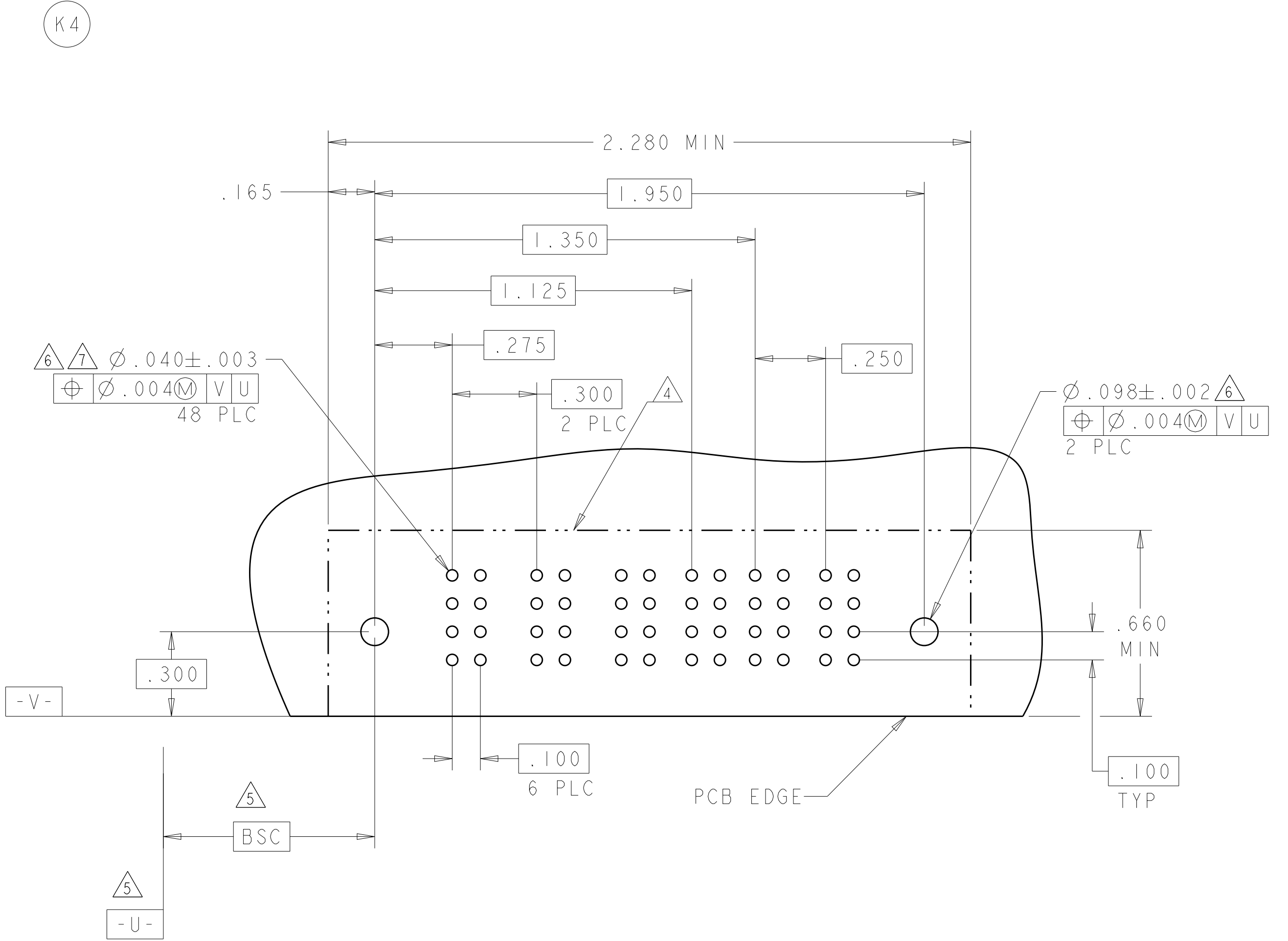
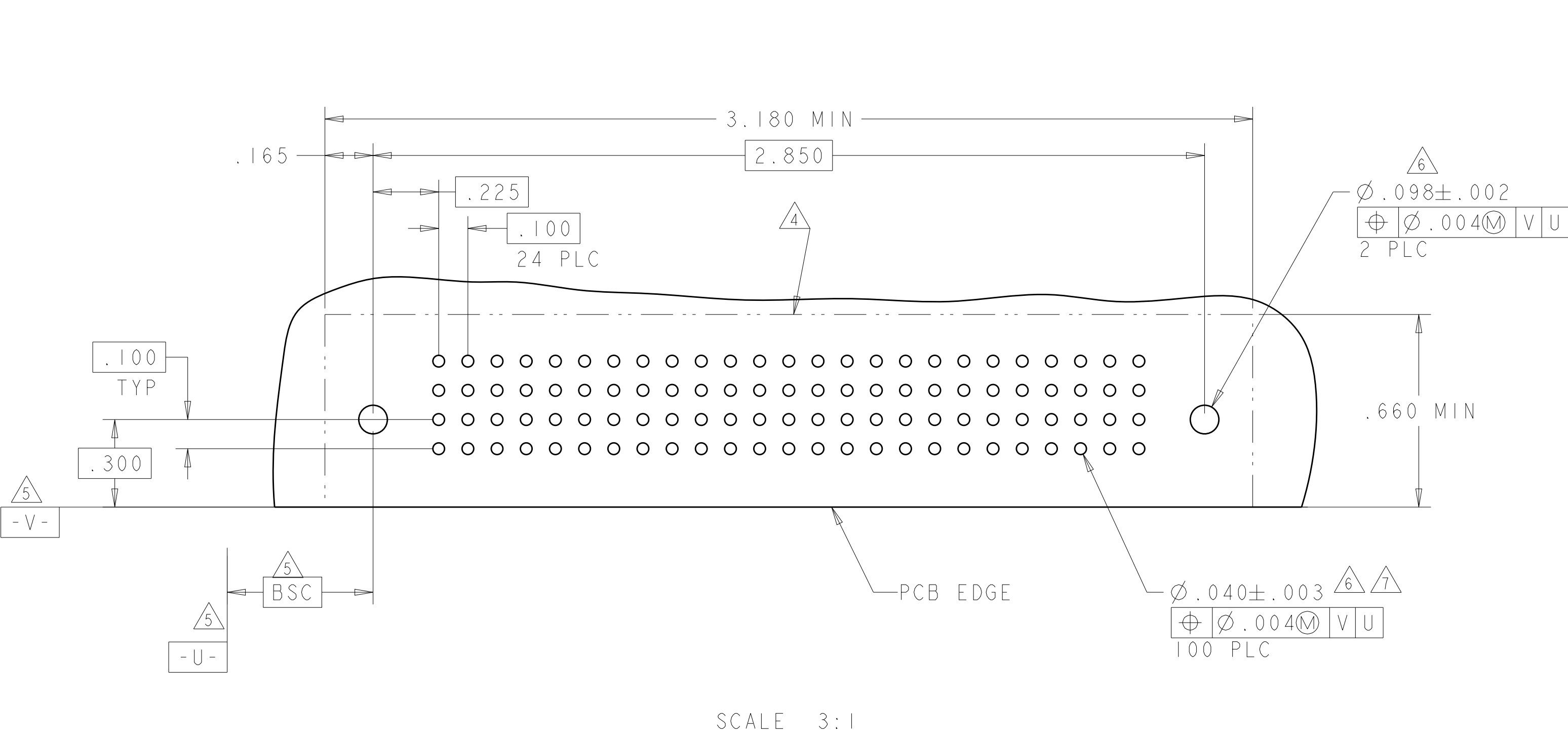


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 02FEB05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 02FEB05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE 02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	
0 PLC ±.01		PRODUCT SPEC 108-1973	SIZE CAGE CODE DRAWING NO	
1 PLC ±.01		APPLICATION SPEC 114-13038	RESTRICTED TO	
2 PLC ±.005		WEIGHT	A100779C=6450120	
3 PLC ±.0020		CUSTOMER DRAWING	SCALE 4:1 SHEET 18 OF 24 REV M2	
4 PLC ±.0020				
ANGLES #2°				
FINISH				

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

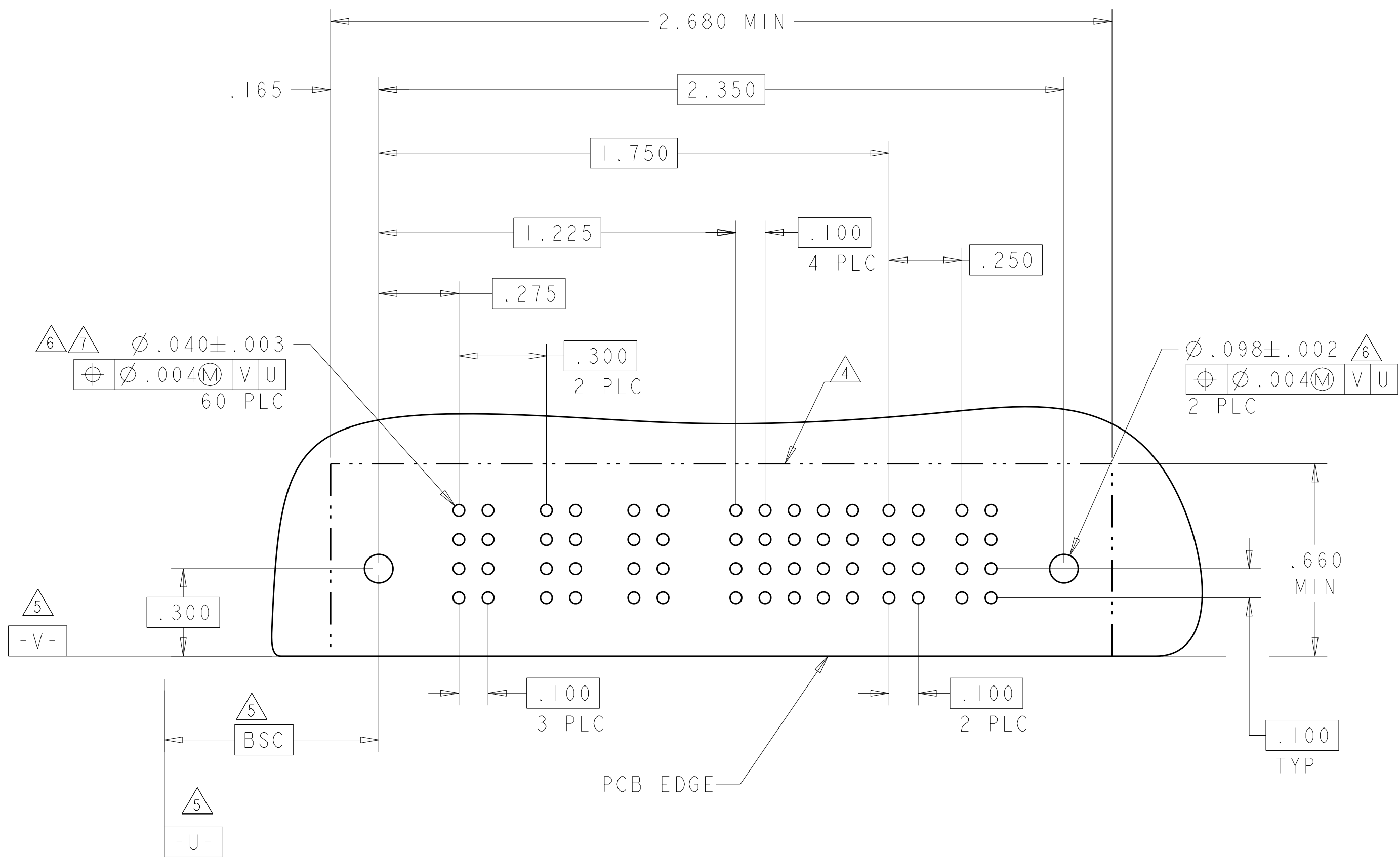
PART NUMBER	ROWS		SIGNAL																										
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
5-6450120-8	D C B A		J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J		
			K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K		
			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N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

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



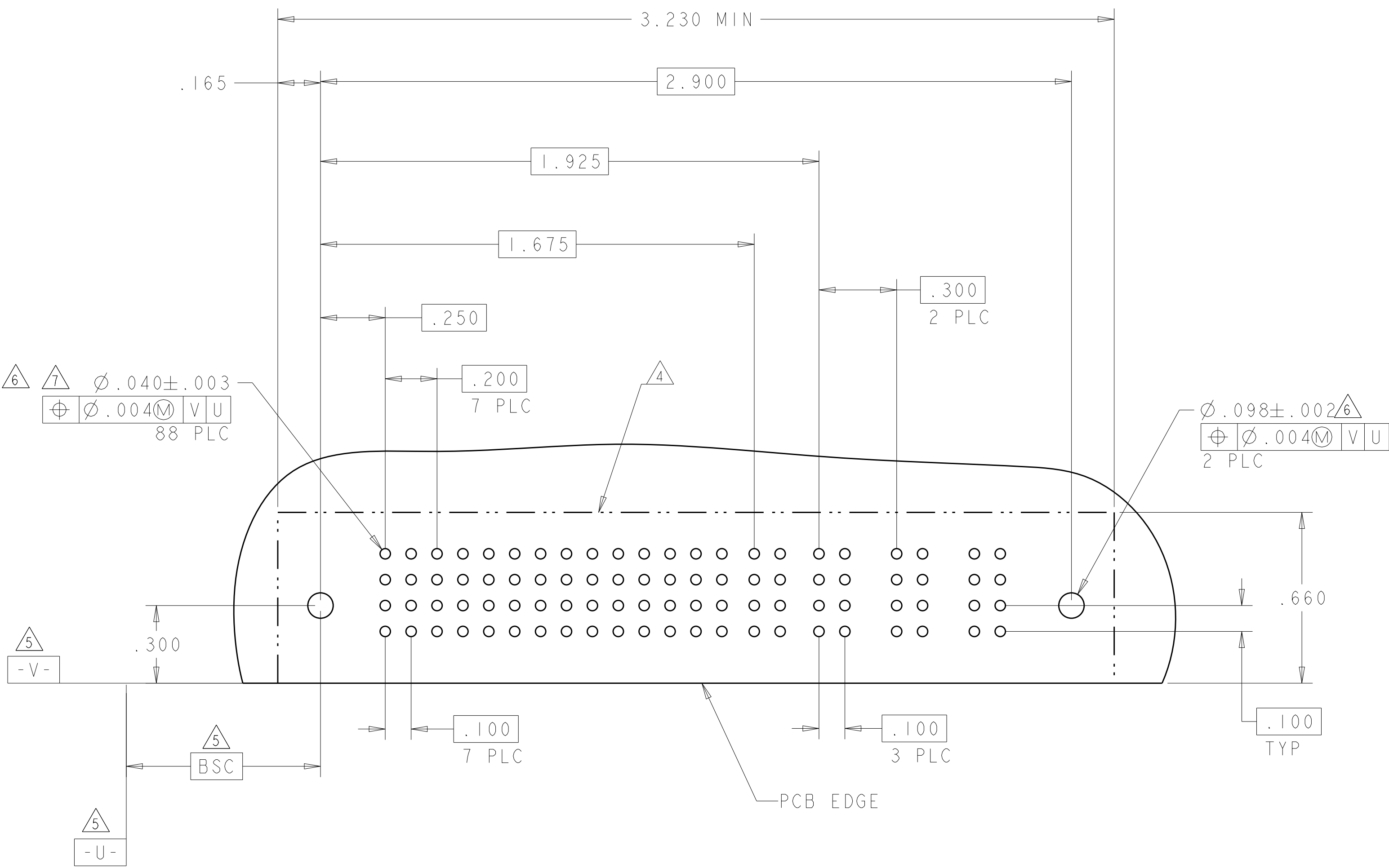
PART NUMBER	ROWS		POWER			SIGNAL						POWER			
			PI	P2	P3	1	2	3	4	5	6	P4	P5		
6-6450120-5	D C B A	 HD1	 PM	 PM	 PM		 J	 J	 J	 J	 J		 PM	 PM	 HD
3ACP + 24S + 2P			        												

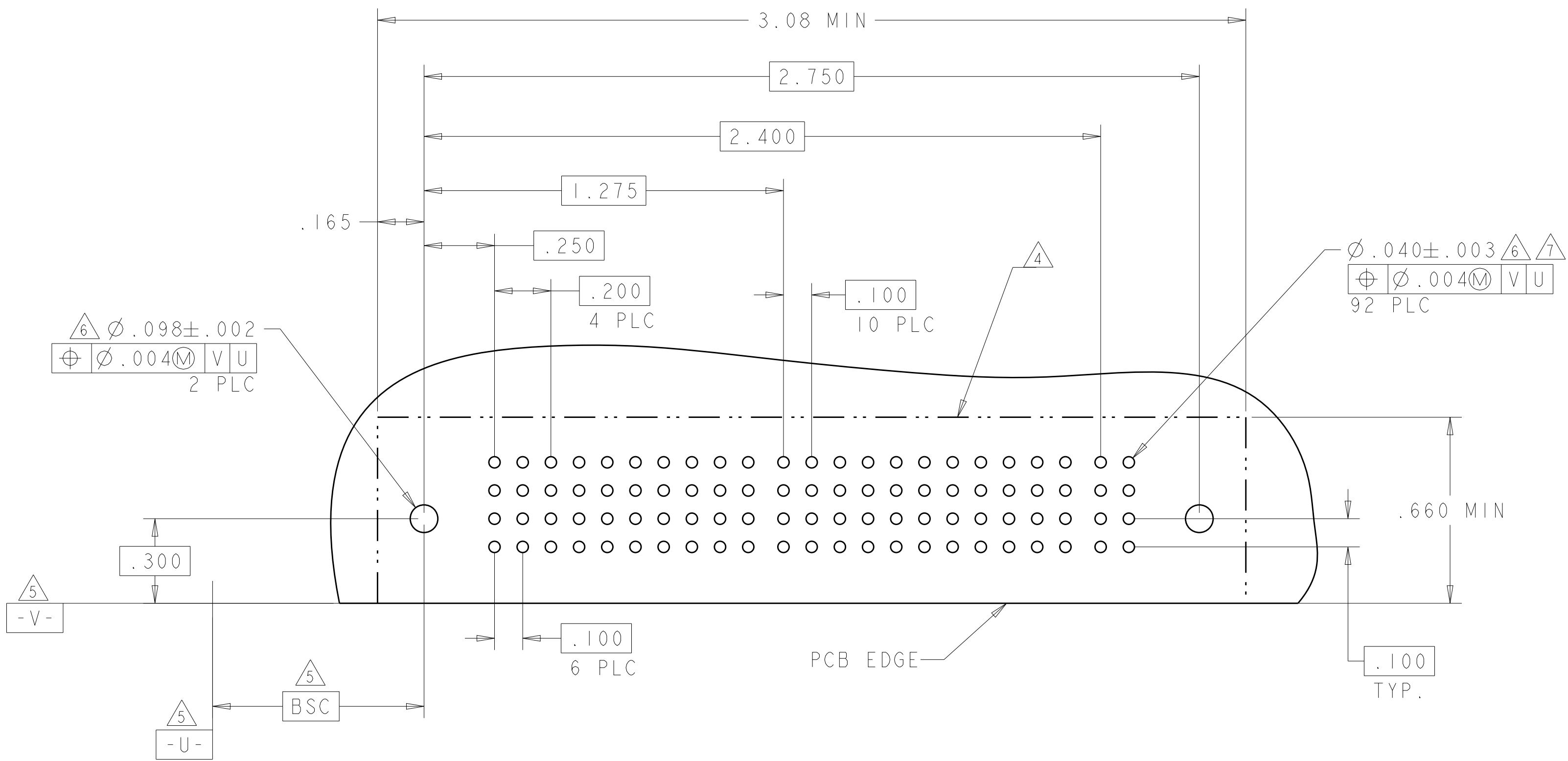
(L3)

4805 (3/11)

[illegible]

(L5)

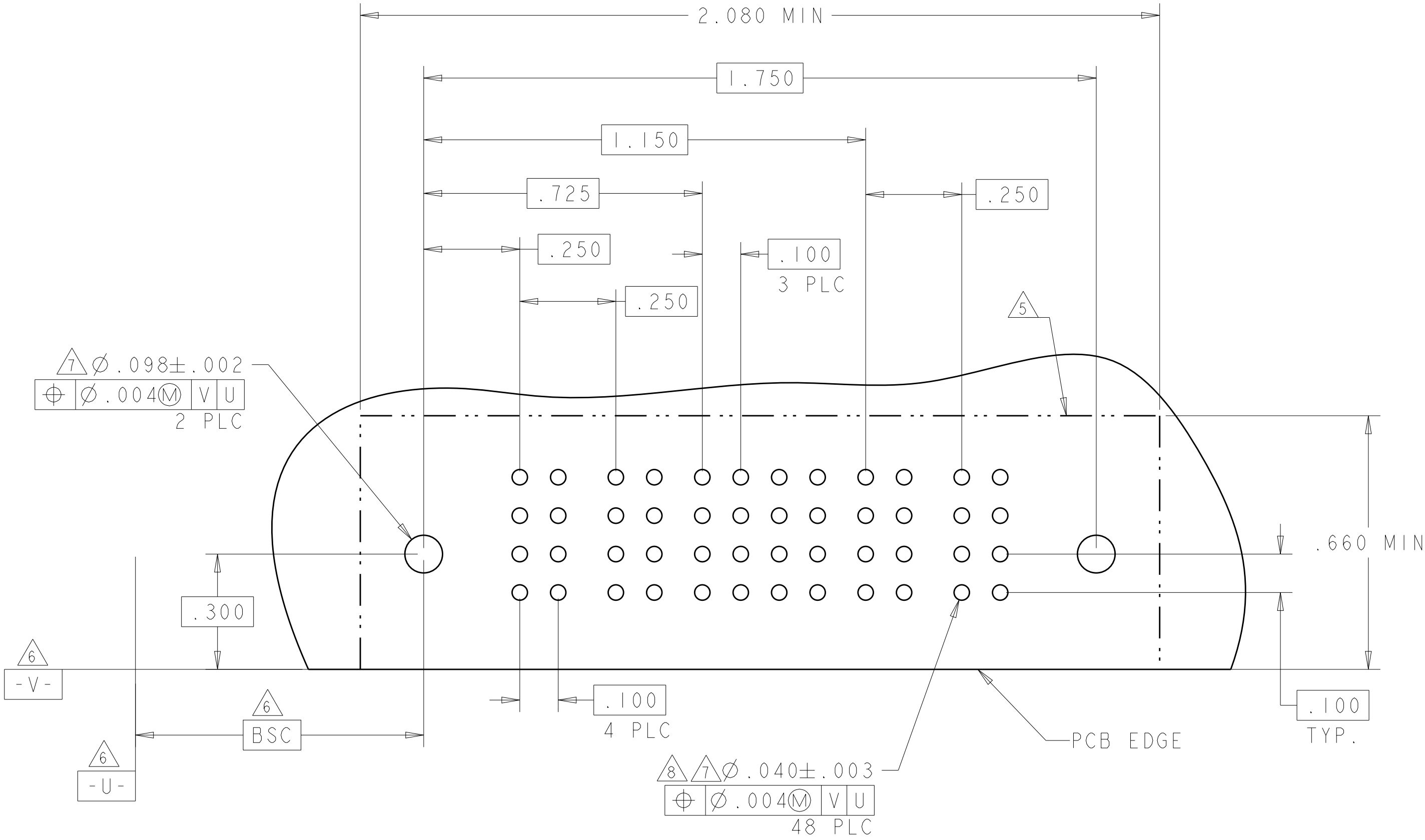
4805 (3/11)

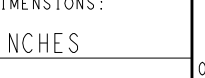
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LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-

M2

PART NUMBER	ROWS		POWER		SIGNAL				POWER		
			P1	P2	1	2	3	4	P3	P4	
7-6450120-1	D		PM	PM	E	E	E	E	PM	PM	
	C				F	F	F	F			
	B				N	N	N	N			
	A				H	H	H	H			
2P + 16S + 2P											



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	02FEB05	 TE Connectivity			
		CHK M.PERCHEKKE	02FEB05				
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL		
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES #2°		PRODUCT SPEC			
						APPLICATION SPEC	SIZE A100779C6450120
						WEIGHT	
		MATERIAL				CAGE CODE	
						CUSTOMER DRAWING	
						SCALE	4:1
						SHEET	24
						OF	24
						REV	M2