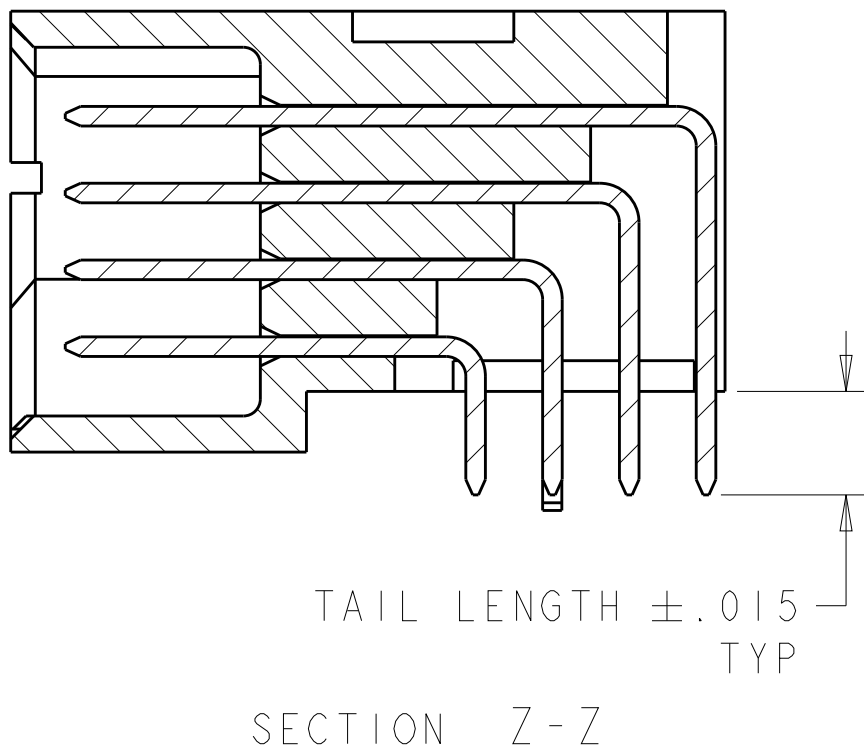
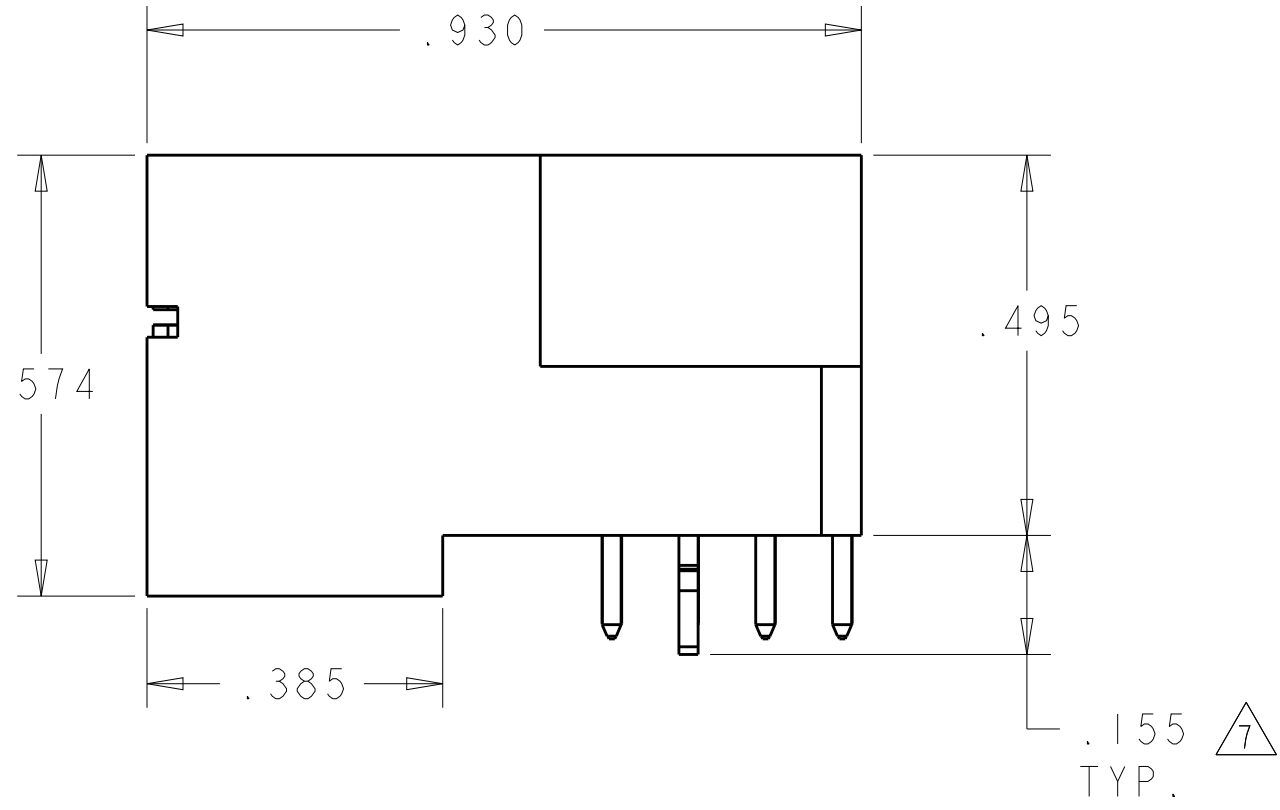
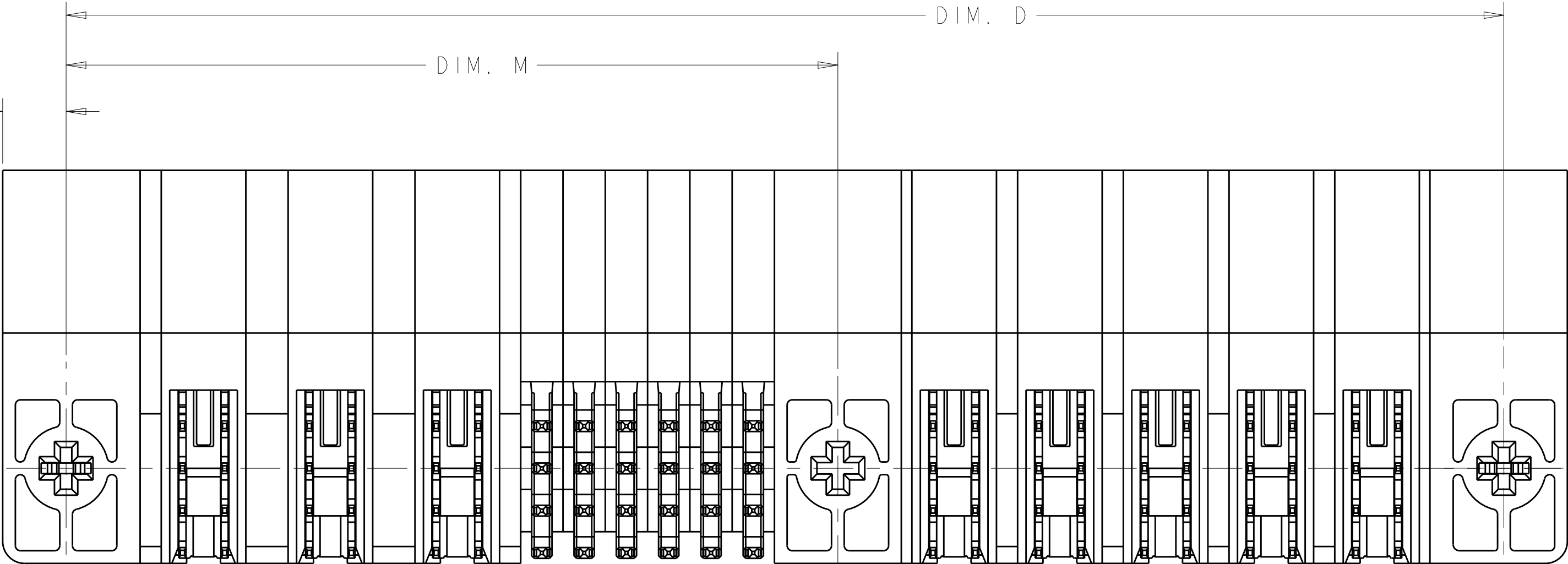
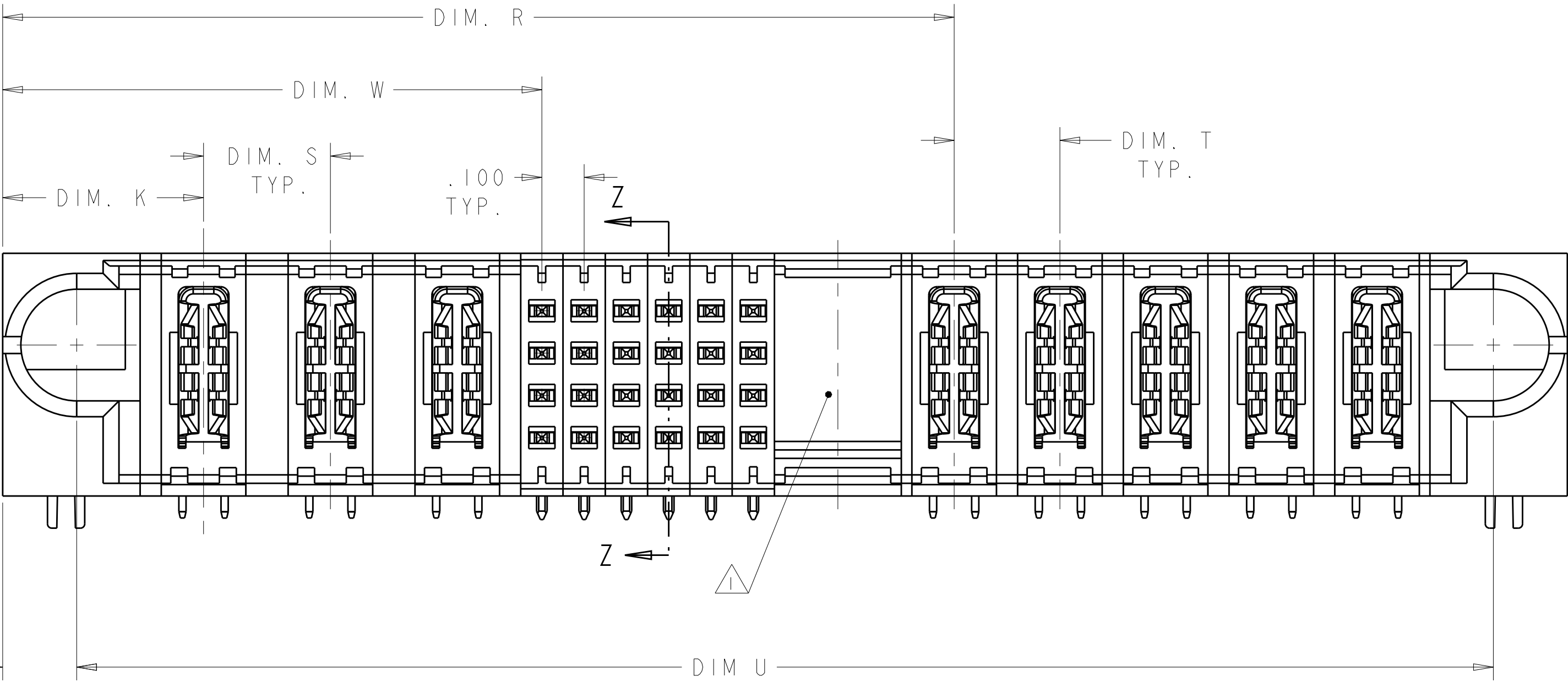
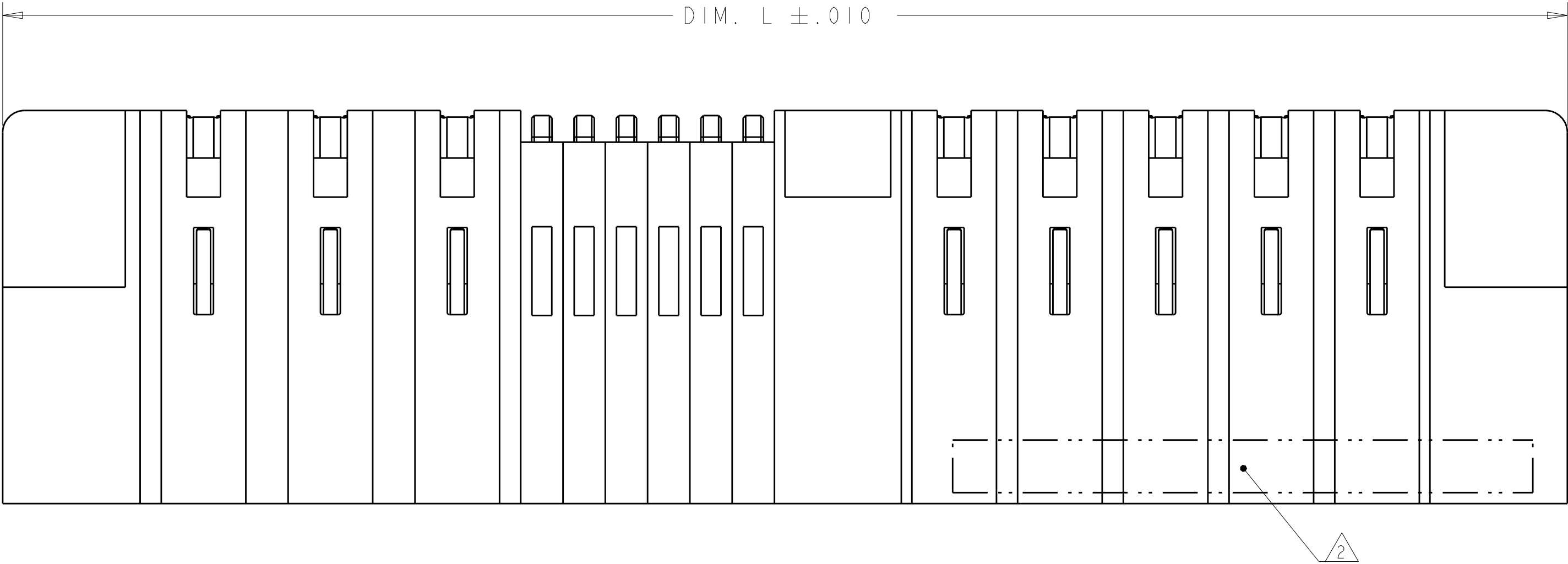


LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			L9	REV PER ECR-12-010228	07JUN2012	AY	SZ
			M1	ADD 5-6450130-3	25JULY2012	OL	SZ



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI CHK M.PERCHEKKE APVD M.PERCHEKKE	4FEB2005 14FEB2005	TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL	
0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2° FINISH		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT		SIZE A100779C=6450130	
MATERIAL 3		Customer Drawing		RESTRICTED TO SCALE 4:1 SHEET 1 OF 28 REV M2	

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

- △1
- OPTIONAL CENTER MODULE WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE.
- △2
- "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- △3
- MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
SIGNAL CONTACT - COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- △4
- CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA
OF SIGNAL CONTACTS AND POWER CONTACTS.
- △5
- MECHANICAL CONNECTOR KEEP OUT ZONE.
- △6
- DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- △7
- HOLD DOWN SEATING DEPTH DIMENSION FOR 6450130-4 IS .185 TYP
- △8
- PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- △9
- PCB - .0453 +/- .0010 DRILLED HOLES PLATES WITH .0003 MIN Sn OVER
.0001 TO .003 Cu PLATING TO ACHIEVE A .040±.003 DIA HOLE.
- △10
- VARIABLE DIMS. SHOWN ON VIEW

L9

PART IS SHEET 27

2.350	.250	.250	1.250	.875	2.400	-	2.700	.450	2P + 12S + 5P	9-6450130-2			
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	9-6450130-0			
1.200	-	-	1.100	.625	1.250	-	1.550	.450	1P + 16S + 1P	8-6450130-9			
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	8-6450130-8			
2.900	.250	.250	2.550	.875	2.950	-	3.250	.450	2P + 64S + 2P	8-6450130-7			
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	8-6450130-6			
1.300	-	-	1.200	.675	1.350	-	1.650	.450	1P + 16S + 1P	8-6450130-5			
2.800	.250	.250	1.700	1.125	2.850	-	3.150	.450	3P + 20S + 5P	8-6450130-4			
2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	8-6450130-2			
2.850	.250	.250	2.500	1.875	2.900	-	3.200	.450	6P + 20S + 2P	8-6450130-0			
2.600	.250	.250	2.250	1.625	2.650	-	2.950	.450	5P + 20S + 2P	7-6450130-9			
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	7-6450130-8			
4.800	.250	.250	3.450	1.875	4.850	-	5.150	.450	6P + 60S + 6P	7-6450130-7			
3.050	.300	.250	1.950	1.275	3.100	-	3.400	.475	3ACP + 24S + 5P	7-6450130-6			
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	7-6450130-5			
6.250	.250	△10	5.050	4.375	6.300	-	6.600	.450	16P + 24S + 2P + 3ACP	7-6450130-4			
2.000	.300	.250	1.650	1.325	2.050	-	2.350	.475	3ACP + 8S + 2P	7-6450130-1			
2.500	.250	.250	2.150	.875	2.550	-	2.850	.450	2P + 48S + 2P	6-6450130-9			
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	6-6450130-7			
2.500	.250	.250	2.150	1.425	2.550	-	2.850	.450	4P + 24S + 2P	5-6450130-8			
6.300	△10	△10	3.925	3.275	6.350	-	6.650	.425	14P + 24S + 12P	5-6450130-6			
3.100	.200	.200	2.225	1.375	3.150	-	3.450	.425	5P + 32S + 5P	5-6450130-5			
2.400	.200	.200	1.900	1.225	2.450	-	2.750	.450	4HDP + 24S + 3HDP	5-6450130-3			
2.300	.300	.250	1.950	1.275	2.350	-	2.650	.450	3ACP + 24S + 2P	5-6450130-1			
4.000	.300	.300	2.675	1.925	4.050	-	4.350	.475	5ACP + 24S + 5ACP	5-6450130-0			
3.000	.250	.250	2.150	1.425	3.050	-	3.350	.450	4P + 24S + 4P	4-6450130-9			
3.300	.250	.250	2.450	1.375	3.350	-	3.650	.450	4P + 40S + 4P	4-6450130-8			
3.100	.200	.200	2.225	1.375	3.150	-	3.450	.425	5P + 32S + 5P	4-6450130-5			
2.100	.300	.250	1.750	1.275	2.150	-	2.450	.475	3ACP + 16S + 2P	4-6450130-3			
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	4-6450130-2			
2.100	.200	.200	1.425	1.175	2.150	-	2.450	.425	4P + 8S + 4P	4-6450130-0			
2.100	.300	.250	1.750	1.275	2.150	-	2.450	.475	3ACP + 16S + 2P	3-6450130-9			
4.675	.250	.300	3.950	3.375	4.725	-	5.025	.450	12P + 20S + 3ACP	3-6450130-6			
3.500	.250	.250	2.900	1.625	3.550	-	3.850	.450	5P + 48S + 3P	3-6450130-2			
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	2-6450130-9			
3.250	.250	.250	2.900	1.125	3.300	-	3.600	.450	3P + 68S + 2P	2-6450130-8			
2.300	.300	.250	1.950	1.275	2.350	-	2.650	.475	3ACP + 24S + 2P	2-6450130-6			
2.600	.200	.200	1.925	1.175	2.650	-	2.950	.425	4HDP + 28S + 4HDP	2-6450130-4			
3.200	.200	.200	2.125	1.575	3.250	-	3.550	.425	6P + 20S + 6P	2-6450130-3			
2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	2-6450130-2			
3.500	.200	.200	2.225	1.775	3.550	-	3.850	.425	7P + 16S + 7P	2-6450130-1			
5.450	△10	△10	3.075	2.425	5.500	-	5.800	.425	10P + 24S + 12P	2-6450130-0			
4.400	.250	.250	4.050	.875	4.450	-	4.750	.450	2P + 124S +2P	1-6450130-9			
4.275	△10	.250	3.175	2.500	4.325	-	4.625	.475	2ACP + 6P + 24S + 5P	1-6450130-8			
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	1-6450130-7			
3.300	.300	.250	1.950	1.275	3.350	-	3.650	.475	3ACP + 24S + 6P	1-6450130-4			
4.050	.250	-	3.950	.875	4.100	-	4.400	.450	2P + 120S + 1P	1-6450130-3			
3.250	.250	-	3.150	.875	3.300	-	3.600	.450	2P + 88S + 1P	1-6450130-2			
1.400	-	-	1.300	.625	1.450	-	1.750	.450	1P + 24S + 1P	1-6450130-1			
2.900	.250	.250	2.550	.875	2.950	-	3.250	.450	2P + 64S + 2P	1-6450130-0			
2.550	.250	.300	1.825	1.125	2.600	-	2.900	.450	3P + 24S + 3ACP	6450130-9			
2.675	.200	.200	2.375	1.650	2.725	-	3.025	.450	5P + 24S + 2P	6450130-8			
3.650	.250	.250	2.550	1.875	3.700	-	4.000	.450	6P + 24S + 5P	6450130-7			
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	6450130-6			
4.350	.250	.250	3.500	2.625	4.400	-	4.700	.450	9P + 32S + 4P	6450130-5			
2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	6450130-4			
3.050	.300	.250	1.950	1.275	3.100	-	3.400	.475	3ACP + 24S + 5P	6450130-3			
2.550	.300	.250	2.200	1.525	2.600	-	2.900	.475	3ACP + 1P + 24S + 2P	6450130-2			
3.650	.300	.250	2.550	1.275	3.700	-	4.000	.475	3ACP + 48S + 5P	6450130-1			
DIM U	DIM S	△1	DIM T	△2	DIM R	DIM W	DIM D	DIM M	DIM L	△4	DIM K	DESCRIPTION	PART NUMBER

L8	1.600	-	-	1.500	.625	1.650	-	1.950	.450	1P + 32S + 1P	9-6450130-9
L7	2.400	.250	.250	1.550	.875	2.450	-	2.750	.450	2P + 24S + 4P	9-6450130-8
L5	2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	9-6450130-7
	1.300	-	-	1.200	.625	1.350	-	1.650	.450	1P + 20S + 1P	9-6450130-6
L3	2.300	.250	.300	1.575	.875	2.350	-	2.650	.450	2P + 24S + 3ACP	9-6450130-5
K6	2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	9-6450130-4
	1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	9-6450130-3
	DIM U	DIM S 	DIM T 	DIM R	DIM W	DIM D	DIM M	DIM L 	DIM K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.
DIMENSIONS:
INCHES

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

DWN
R. GRZYBOWSKI
CHK
M. PERCHERKE
APVD
M. PERCHERKE

4FEB2005
4FEB2005
4FEB2005

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

Customer Drawing

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

SIZE
A1

CAGE CODE
00779

DRAWING NO
6450130

RESTRICTED TO
-

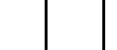
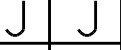
SCALE
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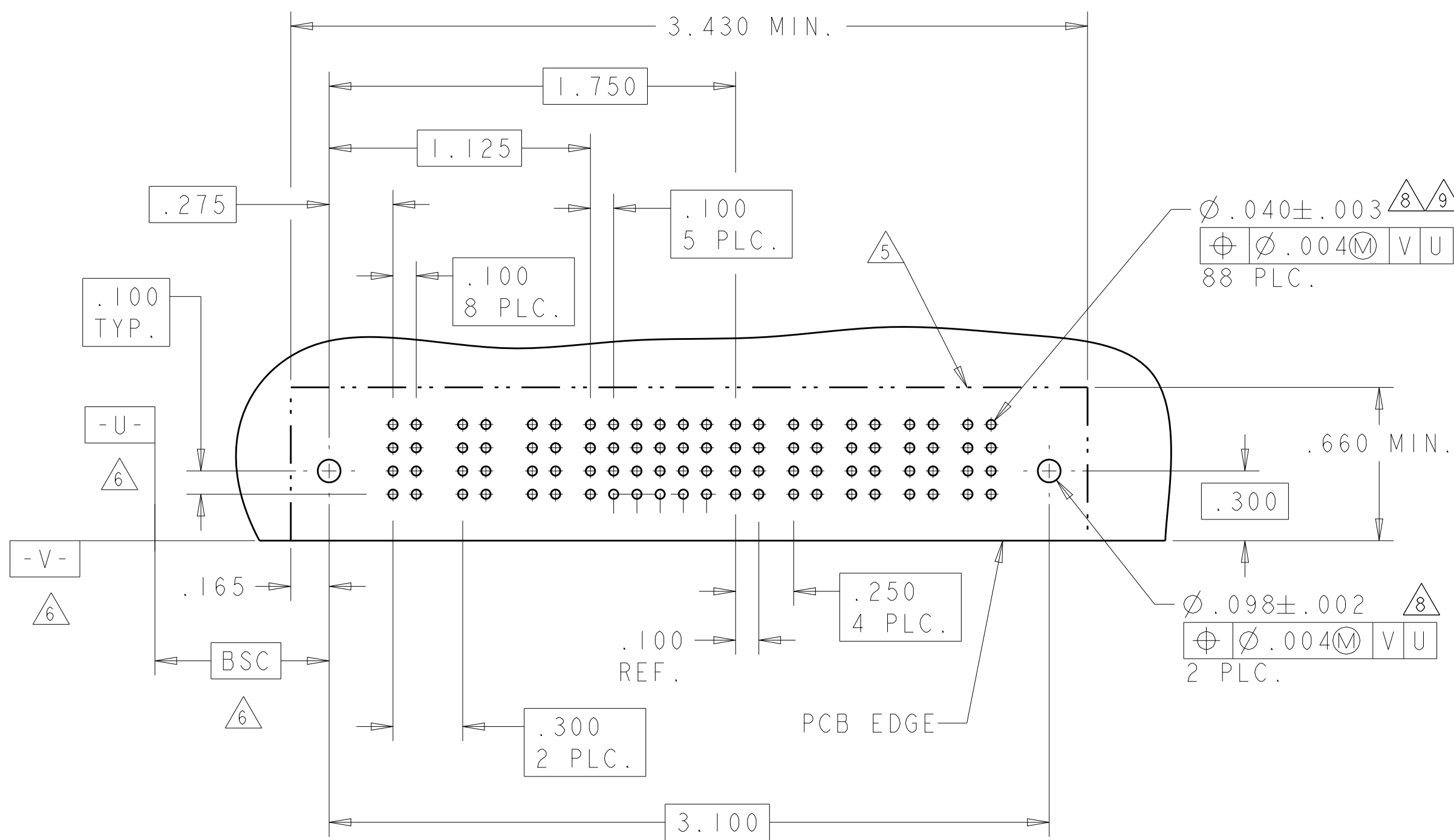
SHEET
2

OF
28

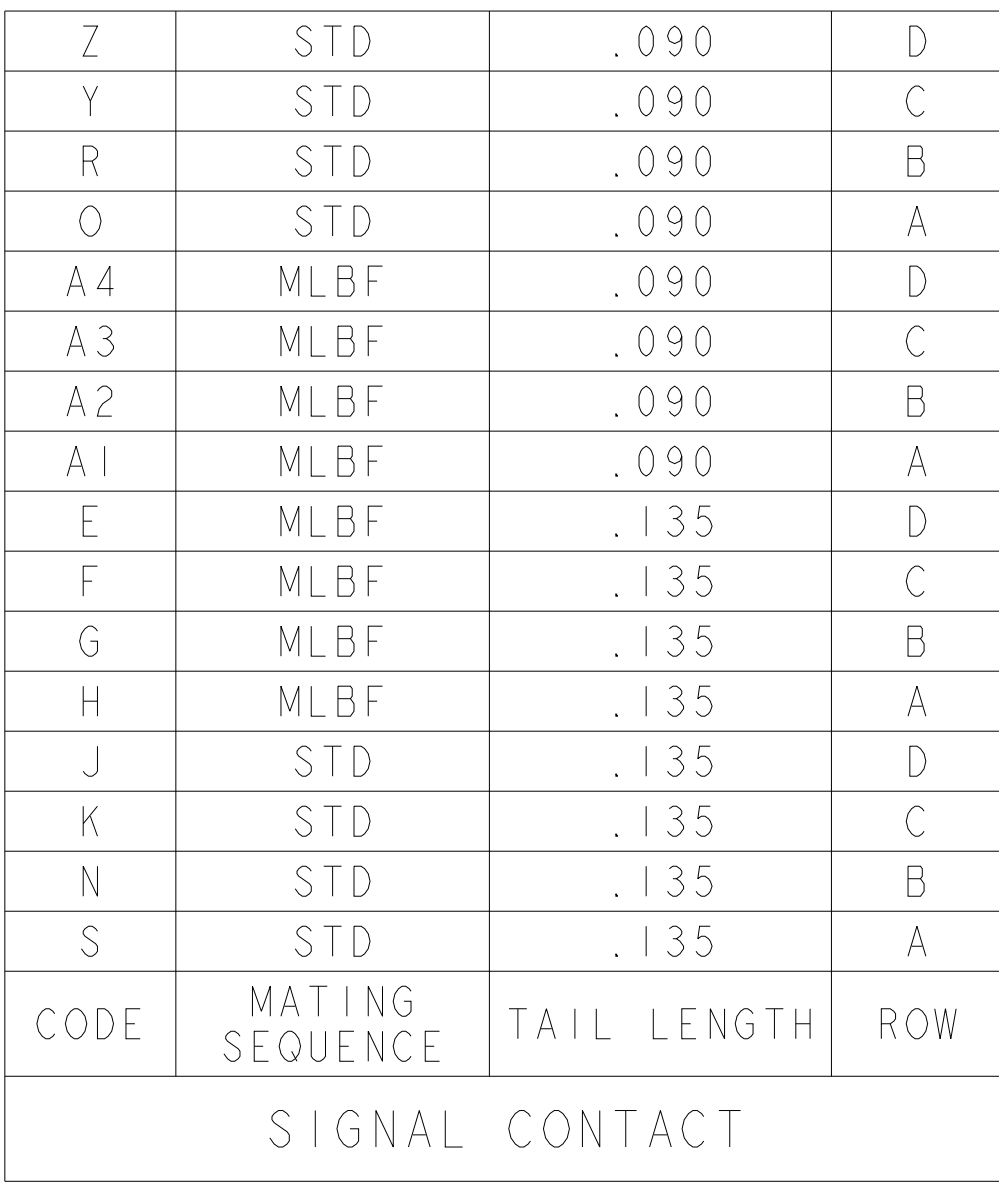
REV
M2

4805 (3/11)

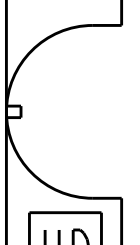
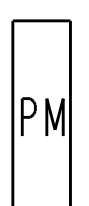
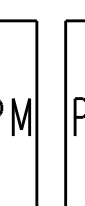
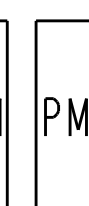
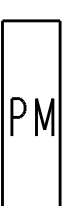
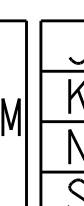
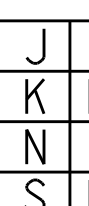
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			P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	P7	P8		
6450130-3	D C B A					J	J	J	J	E	J							
						K	K	F	K	K	K							
						N	N	N	N	N	N							G
						S	S	H	S	S	S							
3ACP + 24S + 5P																		



PM	.135	MULTI-BEAM
PA	.090	MULTI-BEAM
CODE	TAIL LENGTH	DESCRIPTION
POWER CONTACT		

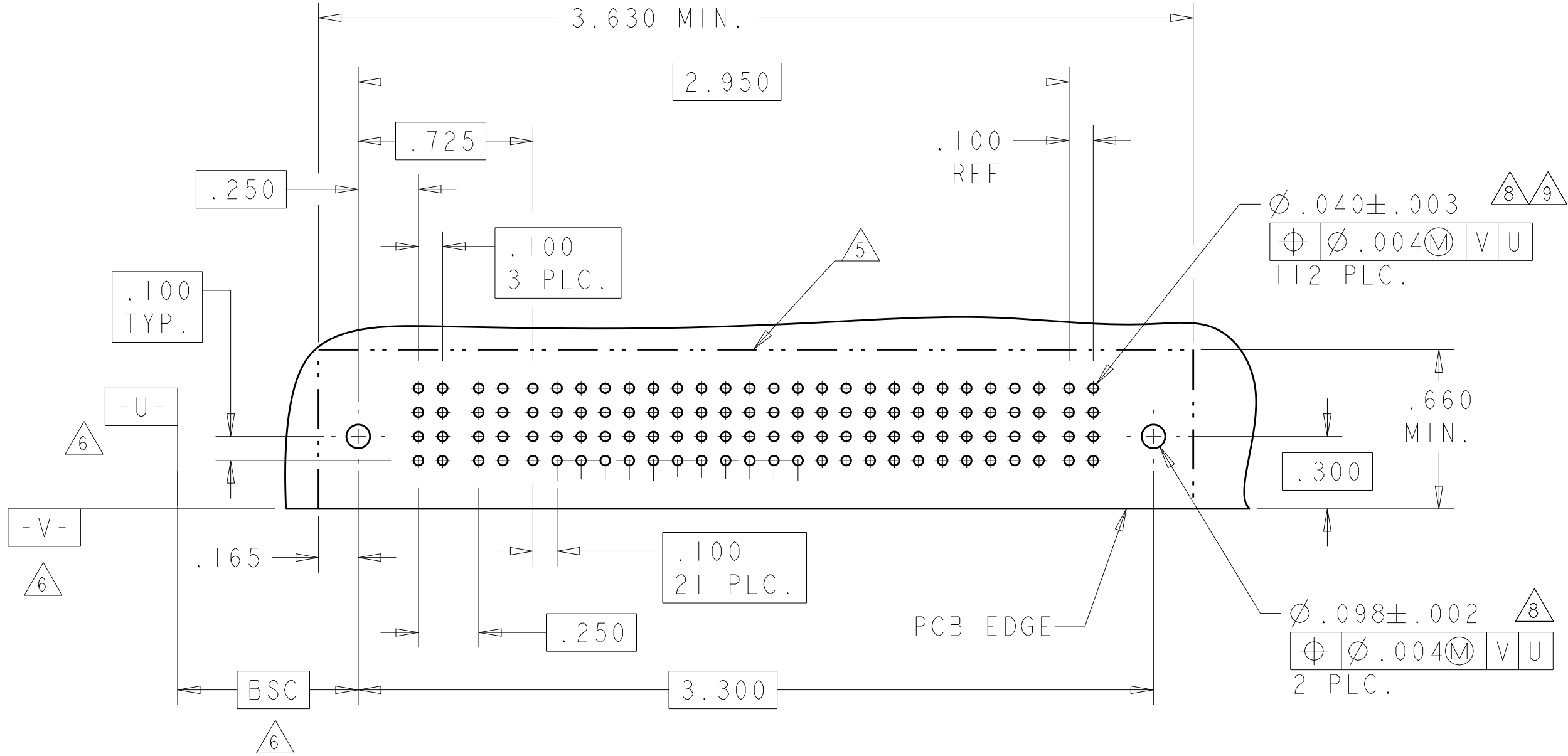
4805 (3/11)

NO CONTACT LOADED																						
ROWS		POWER									SIGNAL								POWER			
		P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	7	8	P10	P11	P12	
D		PM	PM		PM	PM	PM	PM	PM	PM	J	J	J	J	J	E	E	E		PM	PM	PM
C											K	K	K	K	K	K	K	K				
B											N	N	N	N	N	N	N	N				
A		HD									S	S	S	S	S	S	S	S				
+ 4P																						

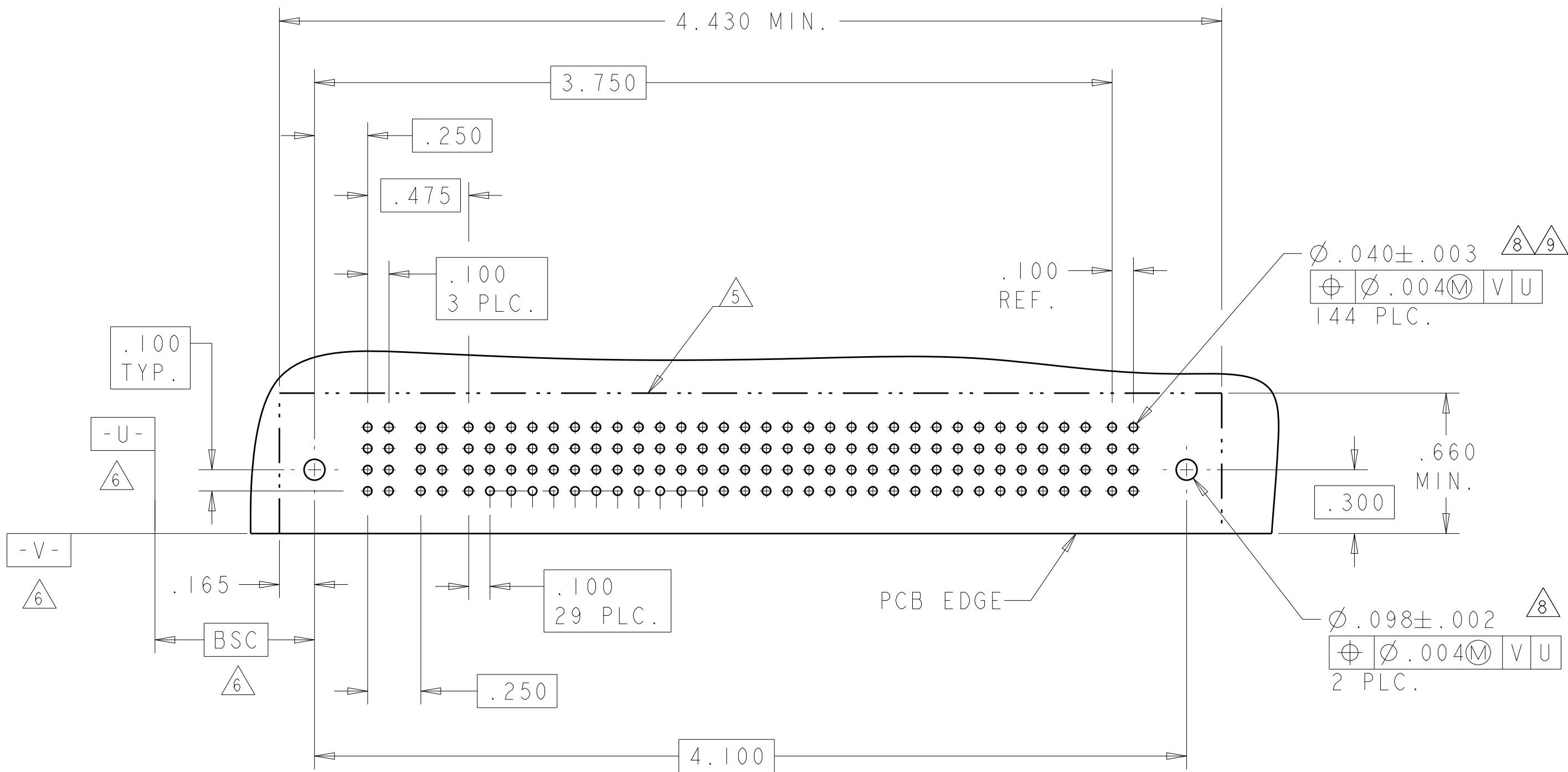
NUMBER	ROWS		POWER						SIGNAL						POWER				
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	P7	P8	P9	P10	
0-7	D C B A								   	   	  	   	   	   					
24S + 5P																			

	THIS DRAWING IS A CONTROLLED DOCUMENT		DWN 14FEB2005 R. GRZYBOWSKI CHW 14FEB2005 M. PERCZERKE 14FEB2005		 RIGHT ANGLE HEADER MULTI-B
	DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		
	INCHES		0 PLC ±: 1 PLC ±: 2 PLC H: 01 3 PLC H: 005 4 PLC H: 0020 ANGLES 42°		
			PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		
MATERIAL		FINISH		WEIGHT - Customer Drawing	
-		-		SIZE A1 CAGE CODE 100779 DRAWING NO. C645013 SCALE	

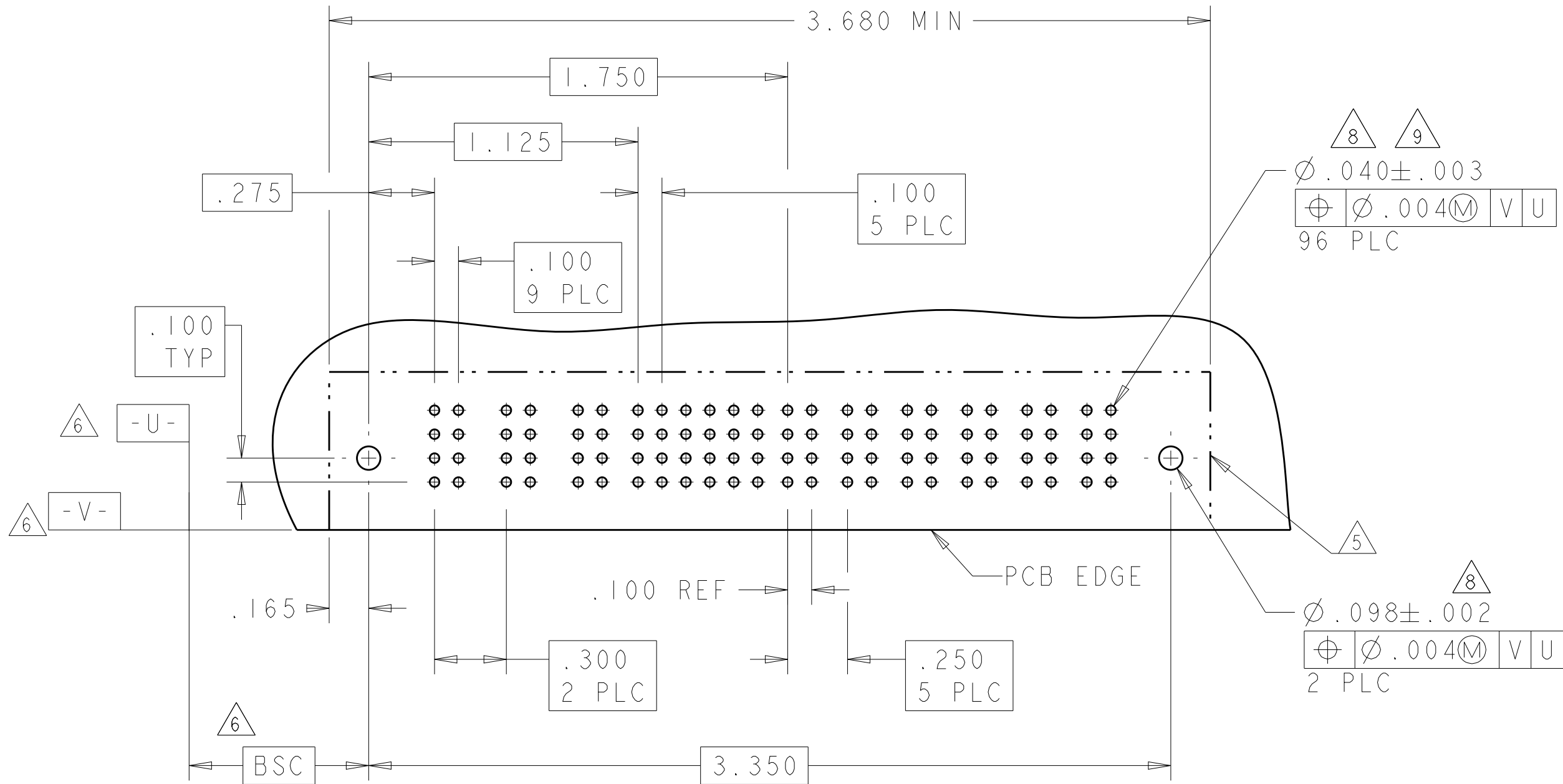
PART NUMBER	ROWS		POWER		SIGNAL																						POWER			
			P1	P2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	P3			
1-6450130-2	D C B A		PA	PA	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	PA			
					Y	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3		A3		A3
					A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2		A2		A2
					O	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1		A1		A1
2P + 88S + 1P																														



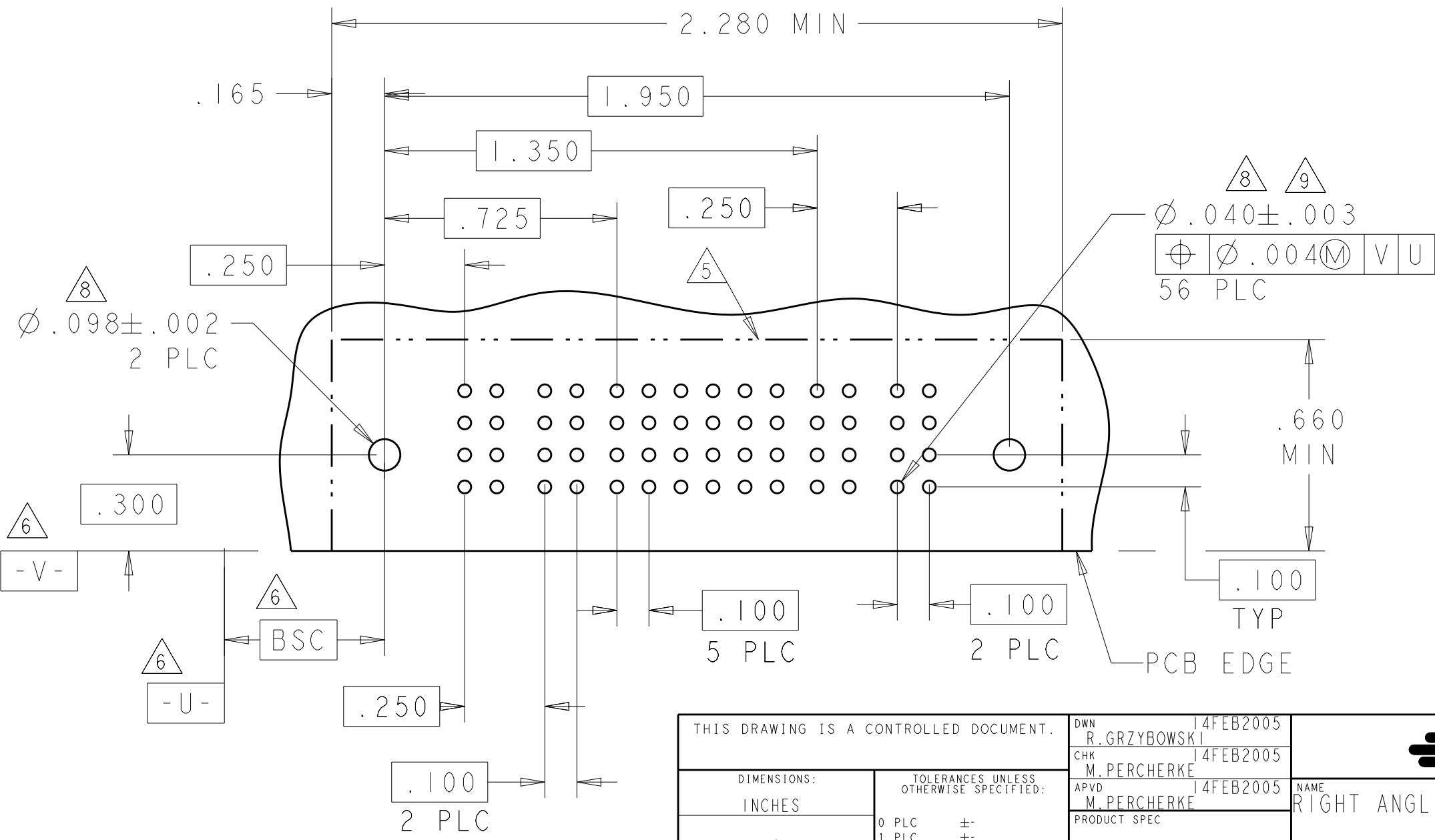
PART NUMBER	ROWS		POWER		SIGNAL																														POWER		
			P1	P2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	P3		
1-6450130-3	D C B A	 HD	PA	PA	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	PA		
					Y	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	PA
					A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	PA
2P + 120S + 1P					O	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	O	HD		



PART NUMBER	ROWS		POWER			SIGNAL						POWER						
			P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	P7	P8	P9	
1-6450130-4	D C B A	 HD	 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							
						H	S	S	S	S	S							
3ACP + 24S + 6P			 HD															



PART NUMBER	ROWS		POWER		SIGNAL						POWER		
			P1	P2	1	2	3	4	5	6	P3	P4	
1-6450130-7	D C B A				E	J	J	J	J	E			
					K	K	K	K	K	K			
					N	N	N	N	N	N			
					S	S	S	S	S	S			
2P + 24S + 2P													



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: R. GRZYBOWSKI 4FEB2005
CHK: M. PERCHERKE 14FEB2005
APVD: M. PERCHERKE 14FEB2005

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: -

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

Customer Drawing

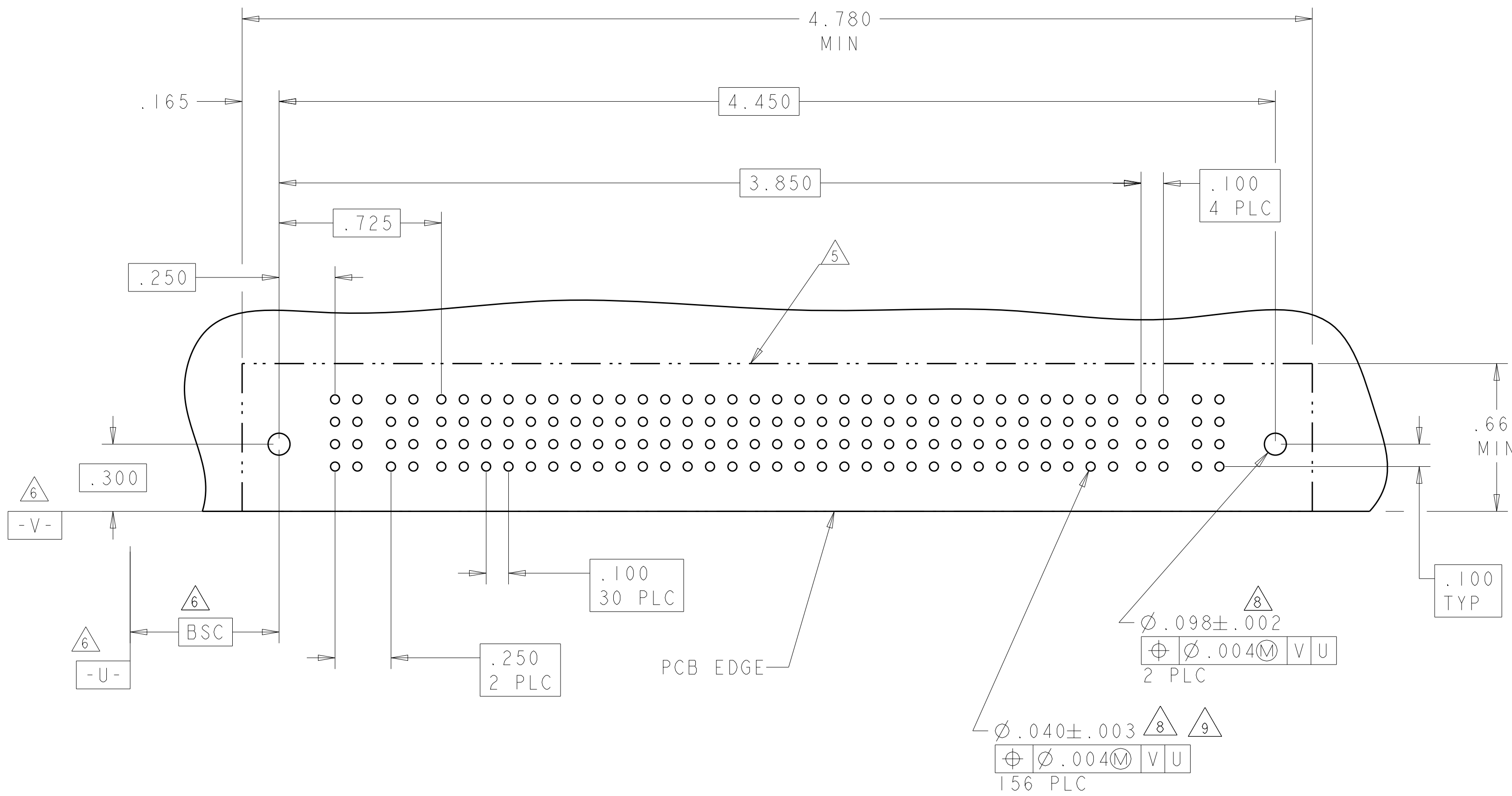
NAME: RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL

SIZE: A1
CAGE CODE: 100779
DRAWING NO: C=6450130

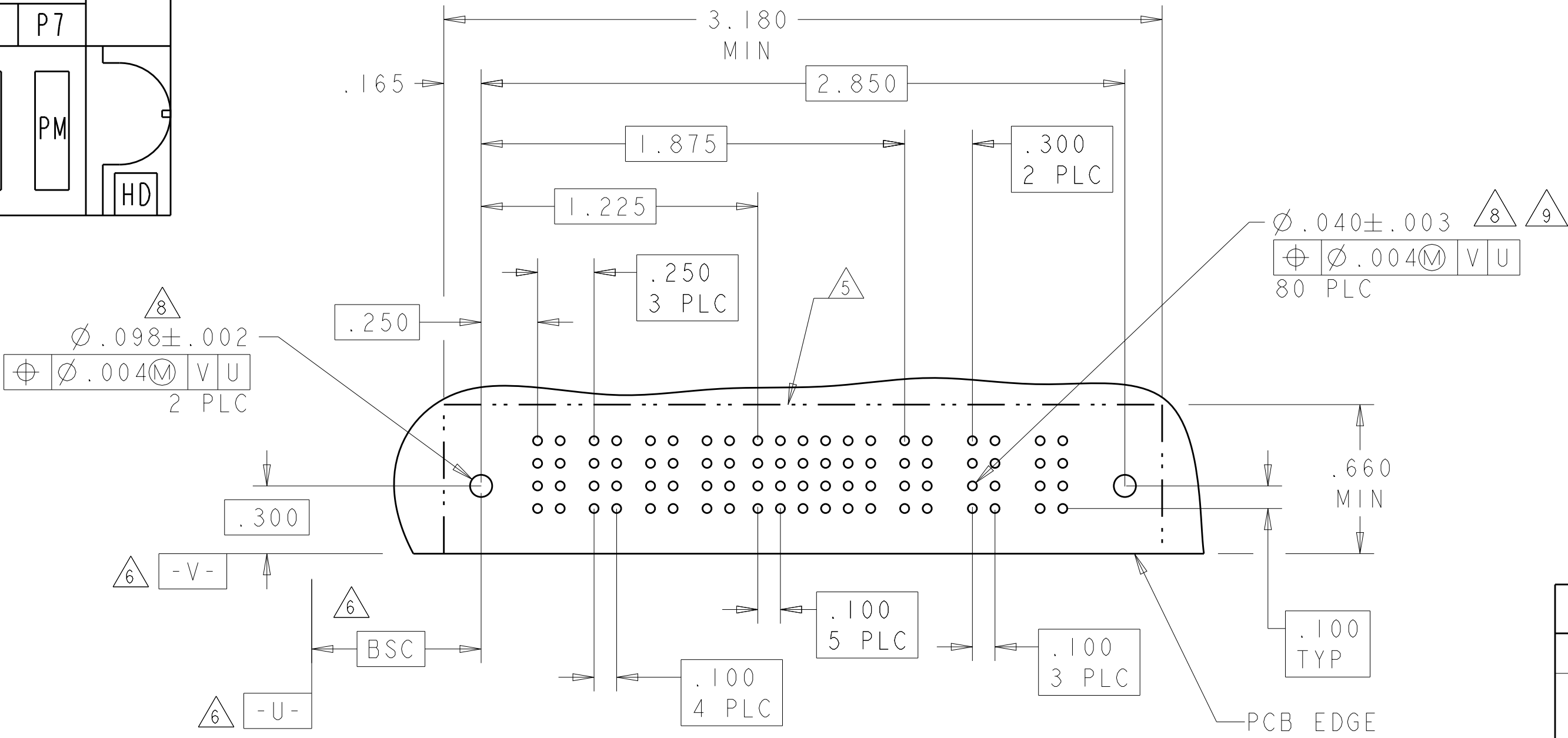
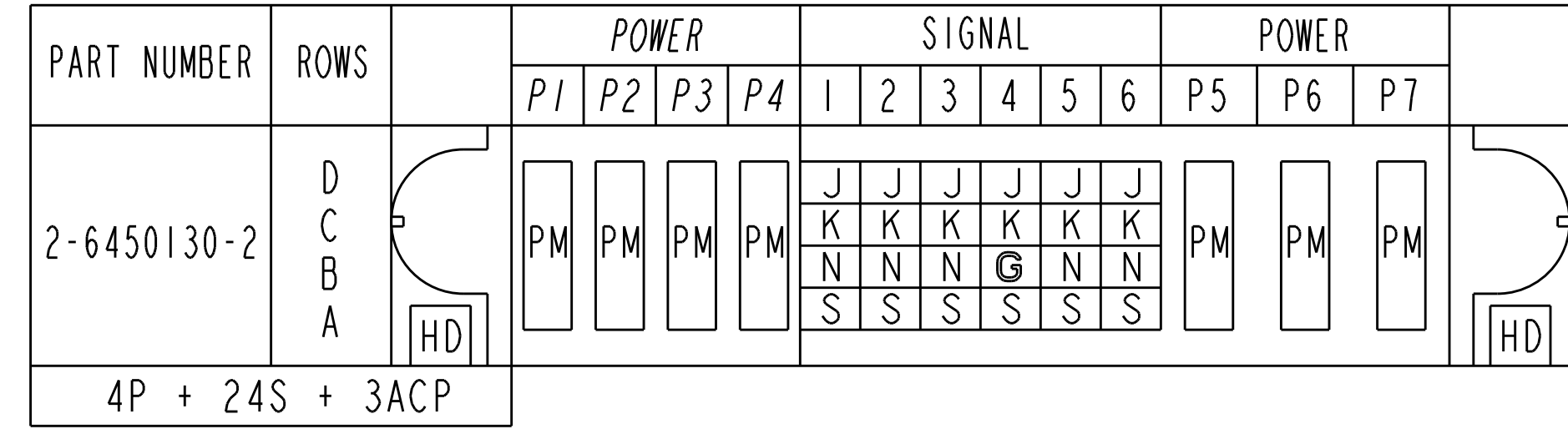
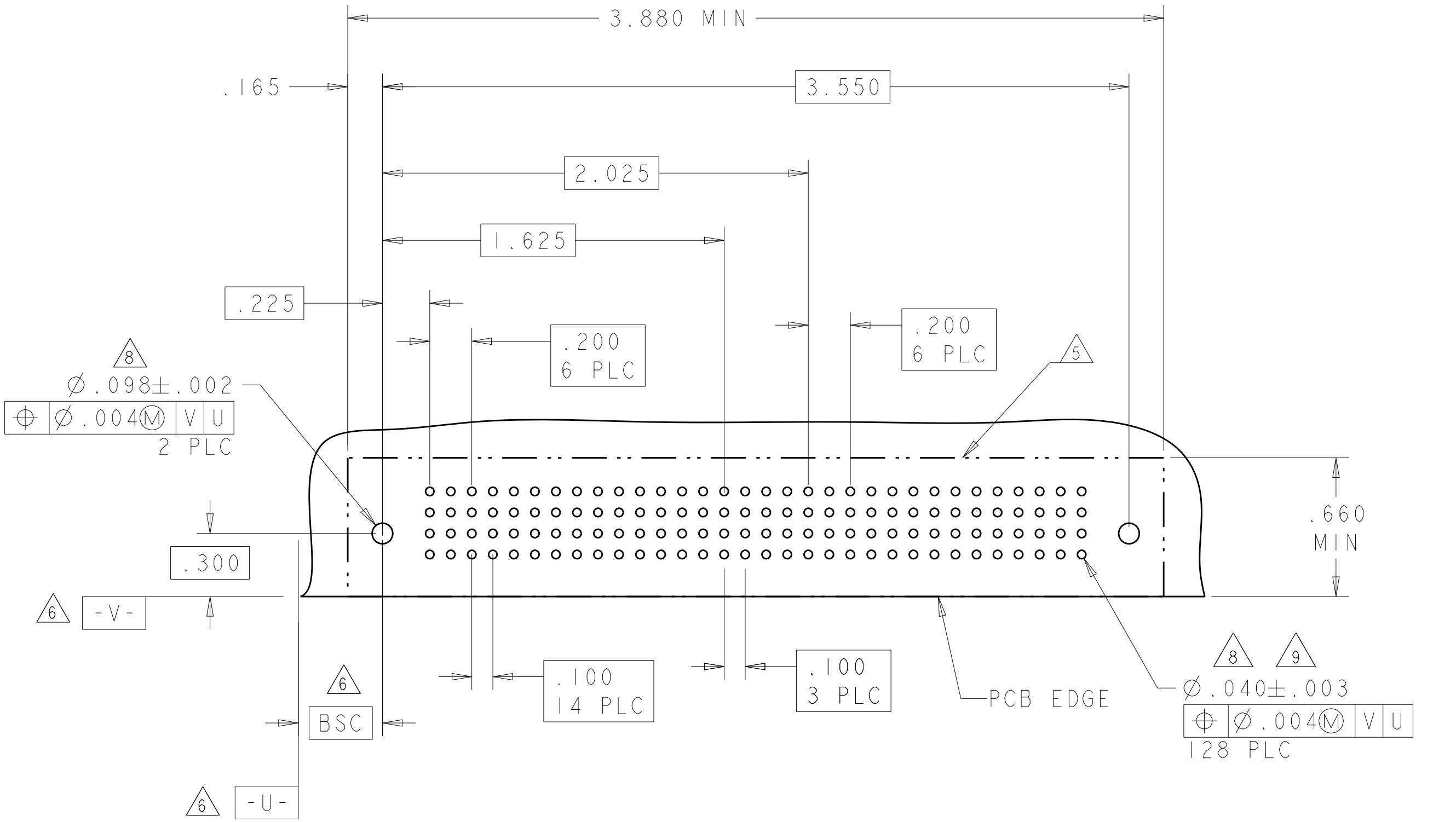
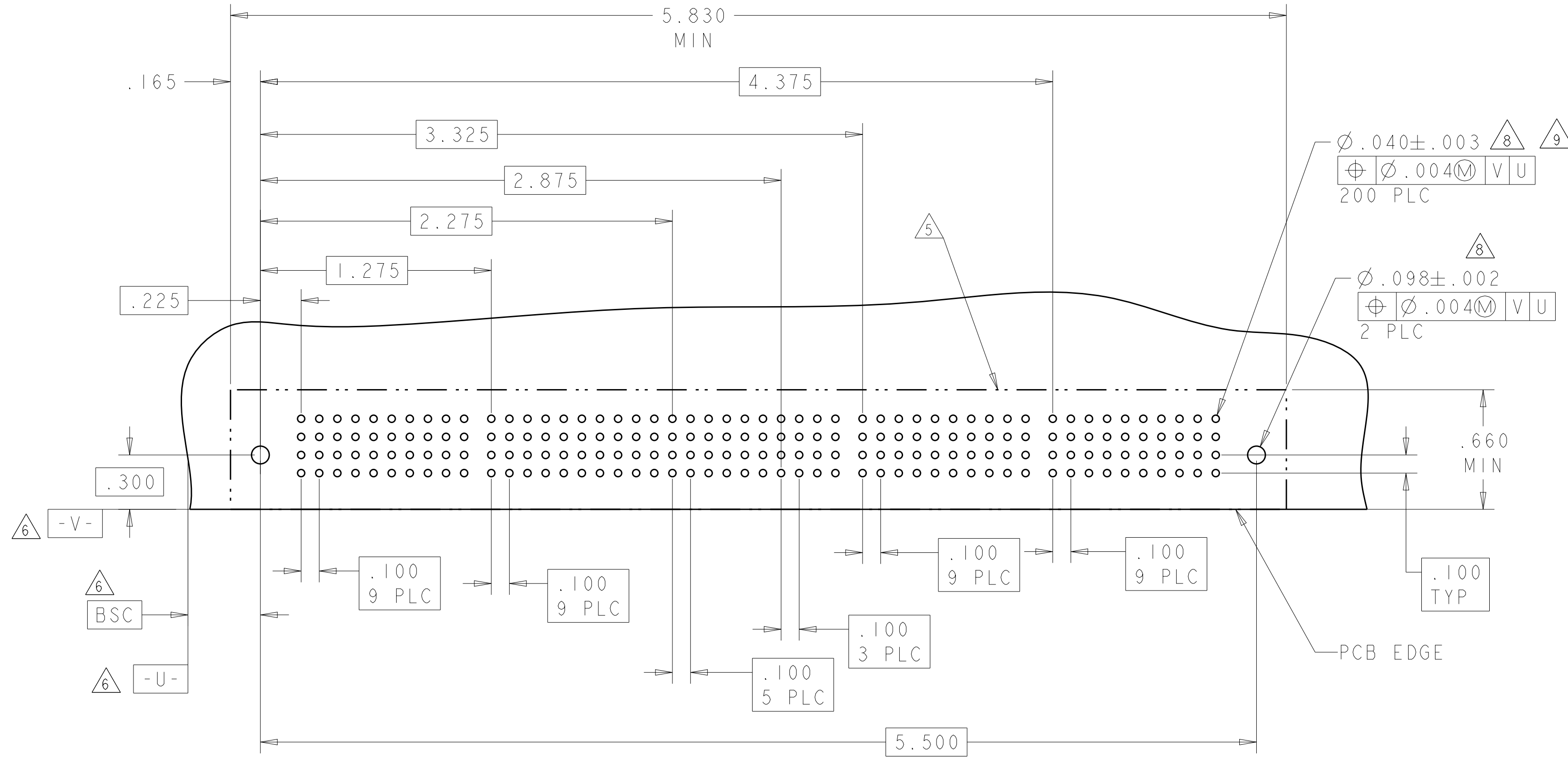
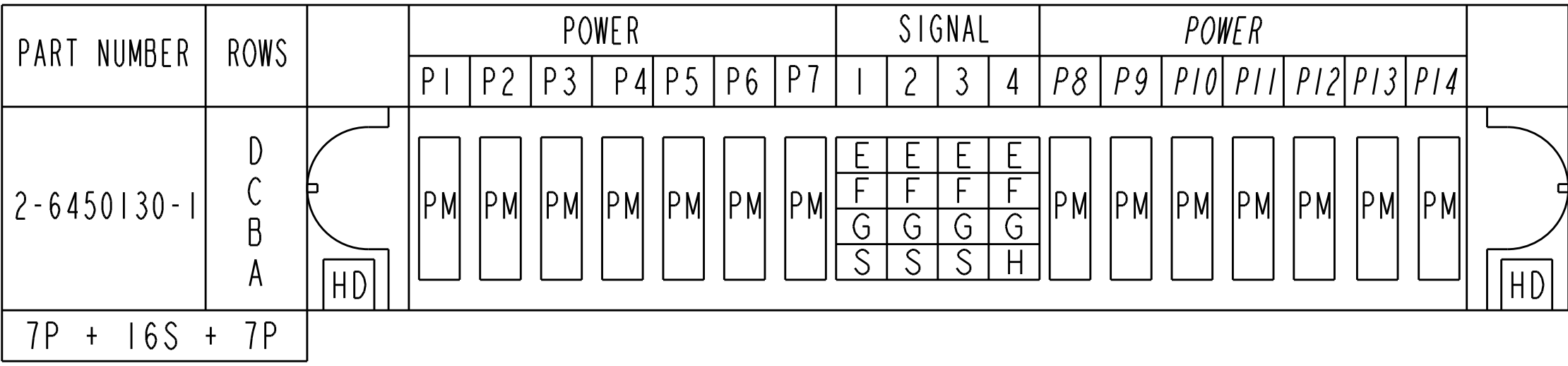
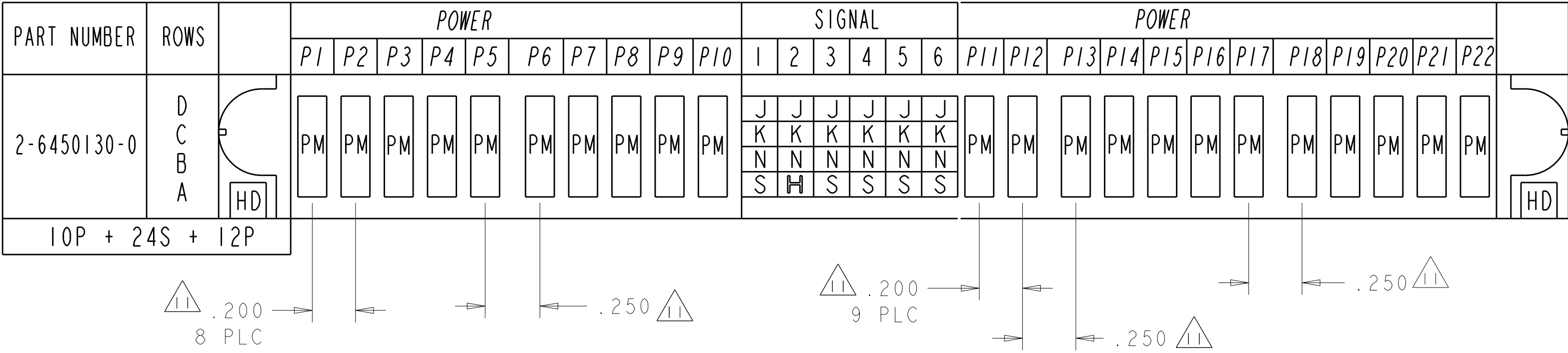
RESTRICTED TO: -

SCALE: 4:1
SHEET: 6 OF 28
REV: M2

PART NUMBER	ROWS		POWER		SIGNAL																															POWER					
			P1	P2	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	26	27	28	29	30	31	P3	P4				
1-6450130-9	D C B A		PA	PA	Z	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	Z	PA	PA				
					Y	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3				A3	Y	
					R	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2				A2	R	A2
					A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1				A1	A1	A1
2P + 124S + 2P																																									

4805 (3/11)

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN

R. GRZYBOWSKI

14FEB2005

CHK

M. PERCHERKE

14FEB2005

APVD

M. PERCHERKE

14FEB2005

TE Connectivity

RIGHT ANGLE HEADER ASSEMBLY W/GUIDES

MULTI-BEAM XL

DIMENSIONS:

INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.01

1 PLC ±.01

2 PLC ±.01

3 PLC ±.005

4 PLC ±.002

ANGLES ±.2°

FINISH

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

Customer Drawing

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779

6450130

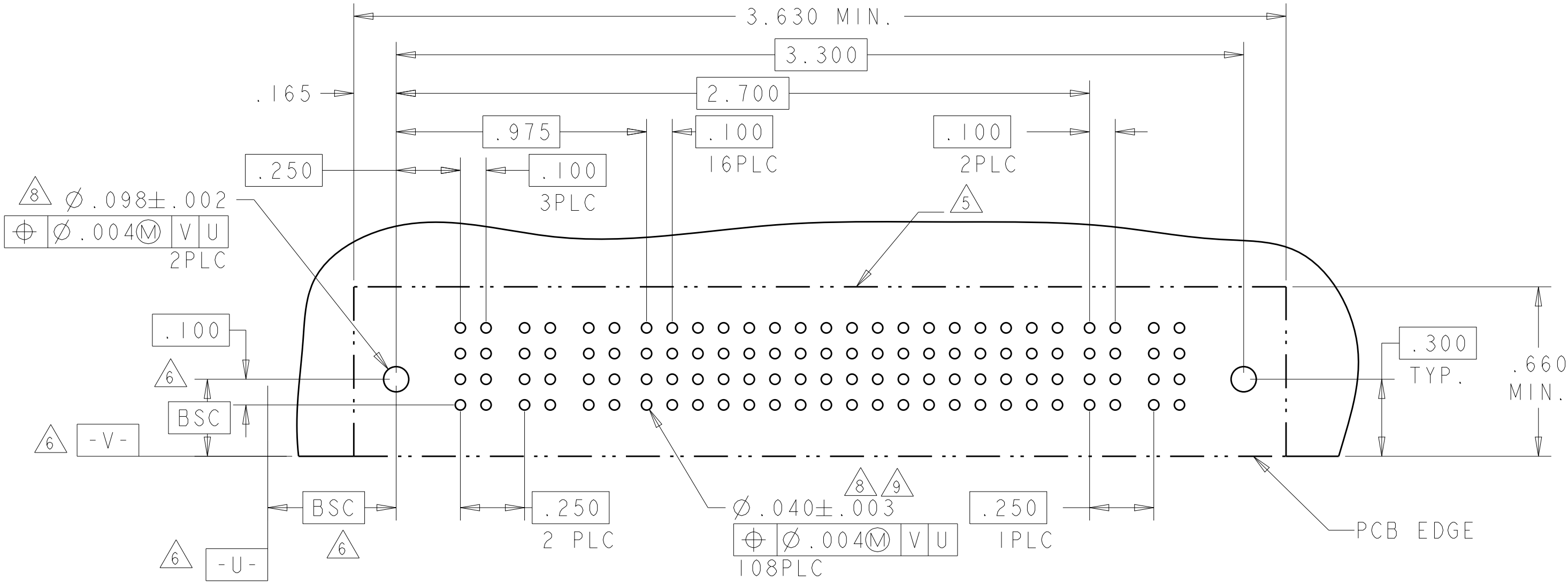
8

28

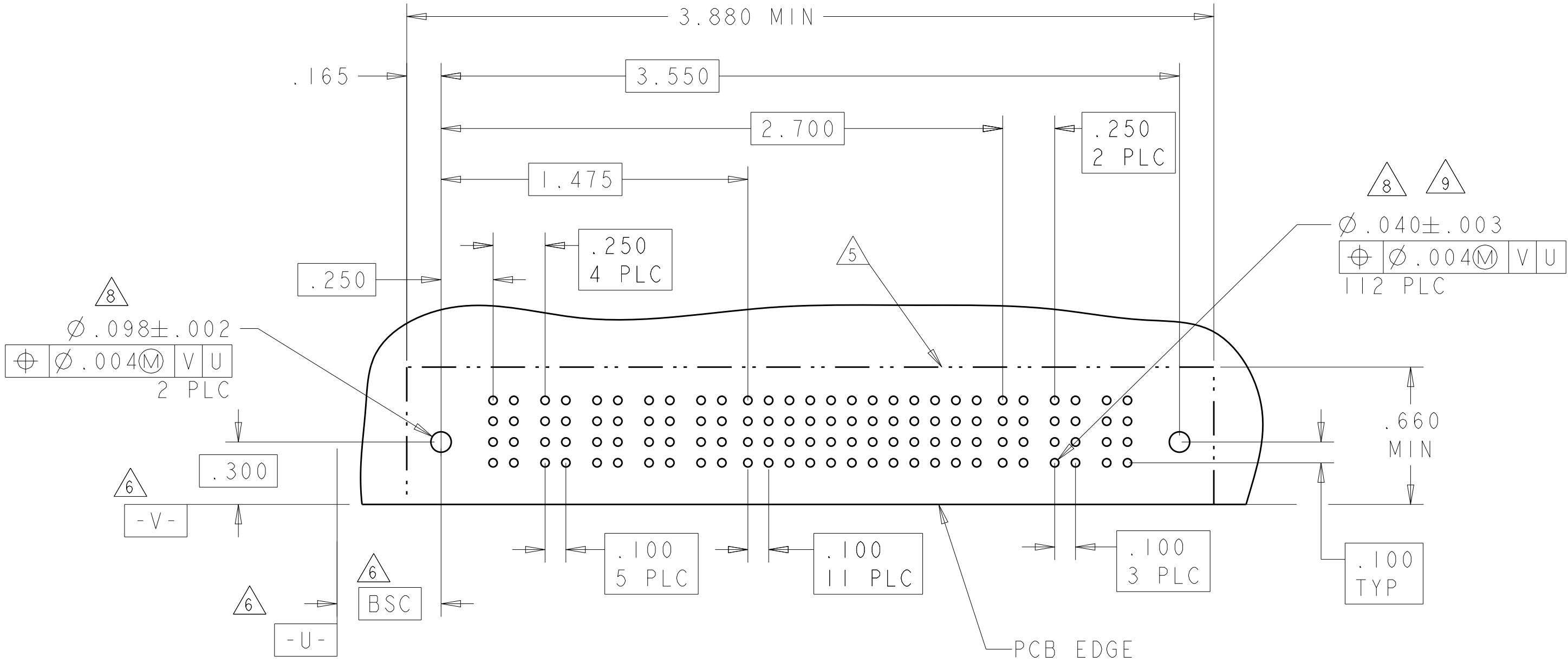
M2

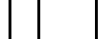
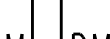
LOC		DIST		REVISIONS				
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		-		SEE SHEET 1	-	-	-	

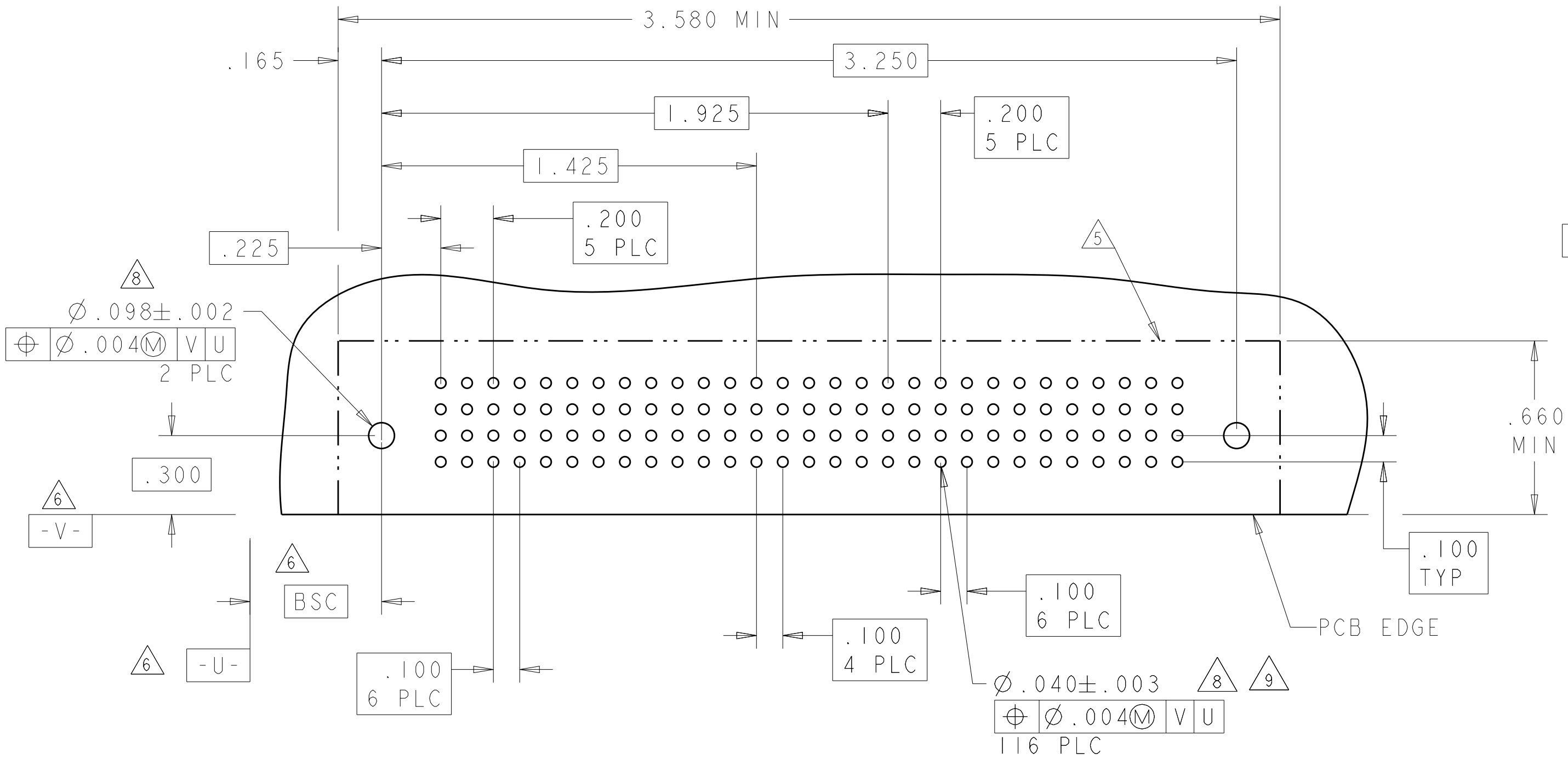
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2-6450130-8	D C B A		PM	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	PM	PM				
						K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K				K	K	
						N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N				N	N	N
						S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S				S	S	S
3P + 68S + 2P																											



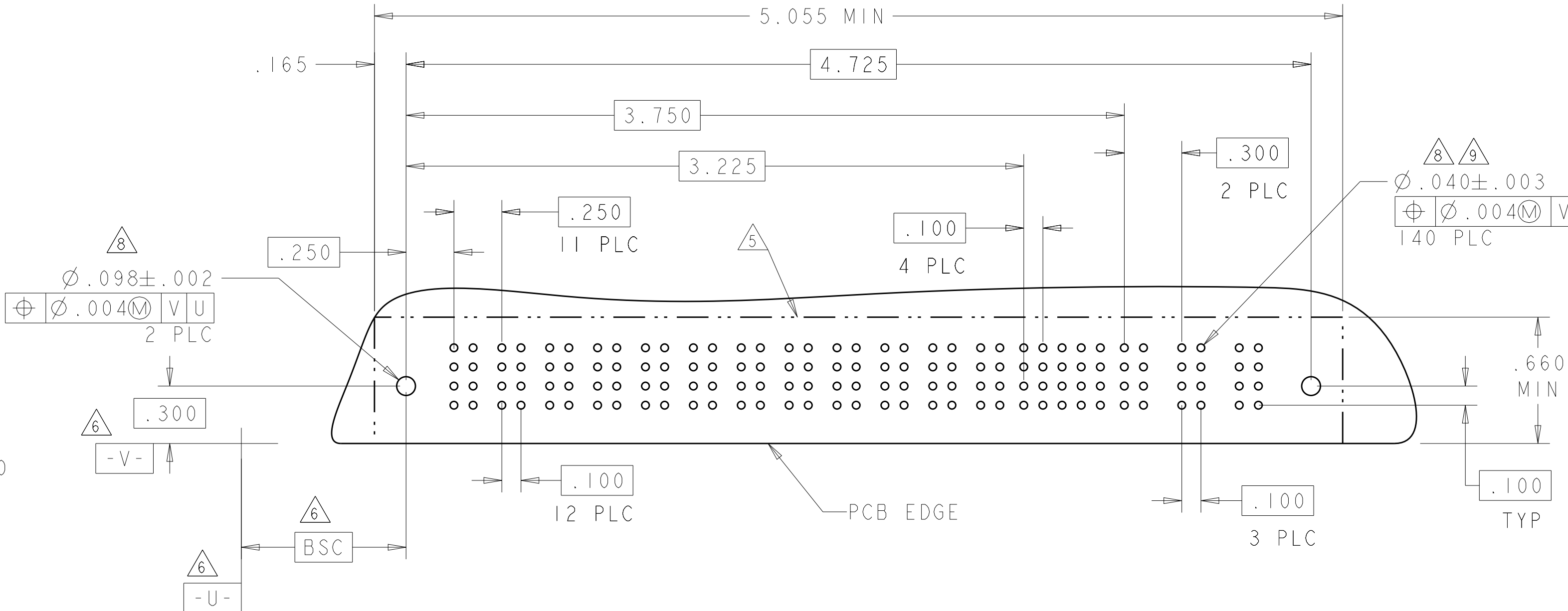
PART NUMBER	ROWS		POWER					SIGNAL												POWER				
			P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	9	10	11	12	P6	P7	P8		
3-6450130-2	D C B A						J	J	J	J	J	J	J	J	J	J	J	J						
							K	K	K	K	K	K	K	K	K	K	K	K					K	
							N	N	N	N	N	N	N	N	N	N	N	N					N	N
							H	S	S	S	S	S	S	S	S	S	S	S					S	H
5P + 48S + 3P																								



PART NUMBER	ROWS		POWER						SIGNAL					POWER											
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	P7	P8	P9	P10	P11	P12						
2-6450130-3	D C B A																								
																					E	J	J	J	J
																					F	K	K	K	K
																					G	N	N	N	N
						</																			



PART NUMBER	ROWS		POWER												SIGNAL					POWER			
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	1	2	3	4	5	P13	P14	P15	
3-6450130-6	D C B A	HD	<																				



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

Customer Drawing

R. GRZYBOWSKI

M. PERCHERKE

M. PERCHERKE

108-1973

114-13038

-

4FEB2005

4FEB2005

4FEB2005

108-1973

114-13038

-

TE Connectivity

RIGHT ANGLE HEADER ASSEMBLY W/GUIDES

MULTI-BEAM XL

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779

C=6450130

-

SCALE

4:1

SHEET

9

OF

28

REV

M2

[illegible]

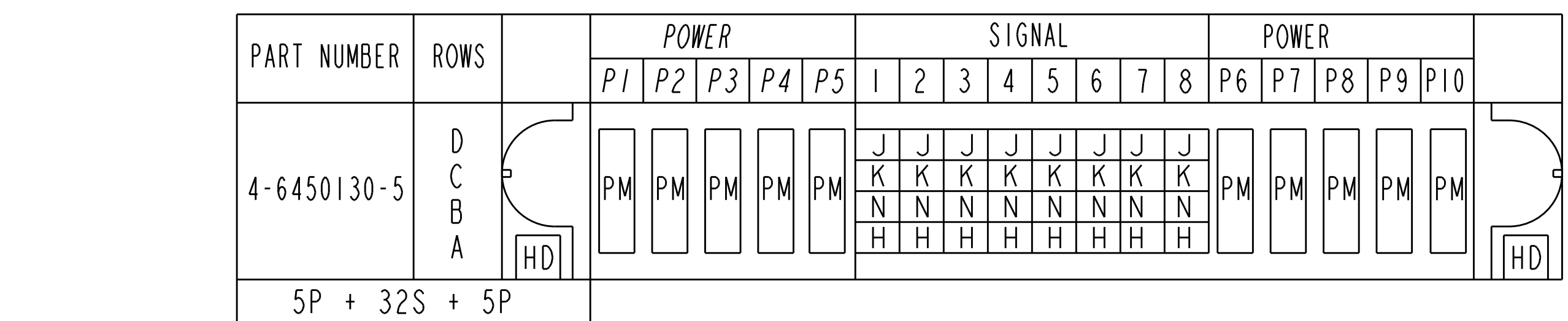
Top view drawing of the PCB showing dimensions and component locations. The drawing includes a grid of 36 pins (8x9) and a 2x8 grid of pins. Dimensions are provided in inches, with some values in millimeters (MIN). The drawing also shows the location of the PCB edge, the BSC (Bottom Surface Center) point, and the locations of the 36 pins and 2 pins.

Dimensions (inches):

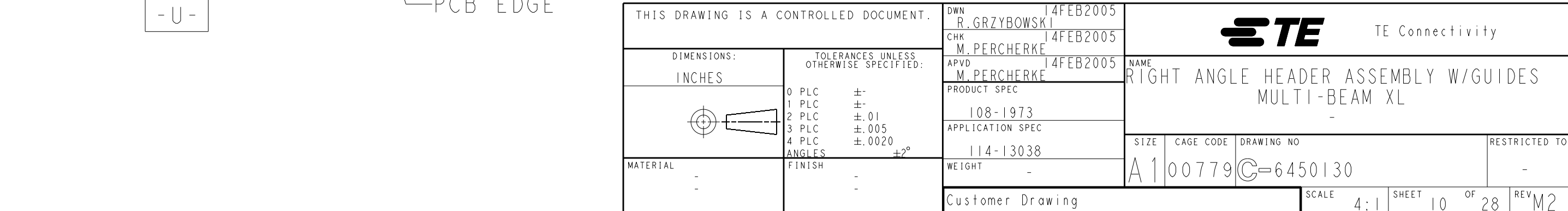
- Overall width: 2.480 MIN
- Distance from left edge to first pin column: 2.150
- Distance between first and second pin columns: 1.550
- Distance between second and third pin columns: 1.225
- Distance between third and fourth pin columns: .875
- Distance from right edge to last pin column: .250
- Distance from bottom edge to first pin row: .100
- Distance between first and second pin rows: .100
- Distance between second and third pin rows: .100
- Distance between third and fourth pin rows: .100
- Distance between fourth and fifth pin rows: .100
- Distance between fifth and sixth pin rows: .100
- Distance between sixth and seventh pin rows: .100
- Distance between seventh and eighth pin rows: .100
- Distance from bottom edge to last pin row: .100
- Distance from left edge to BSC point: .165
- Distance from BSC point to first pin column: .100
- Distance from first pin column to BSC point: .100
- Distance from BSC point to last pin column: .100
- Distance from last pin column to BSC point: .100
- Distance from BSC point to last pin row: .100
- Distance from last pin row to BSC point: .100

Component locations:

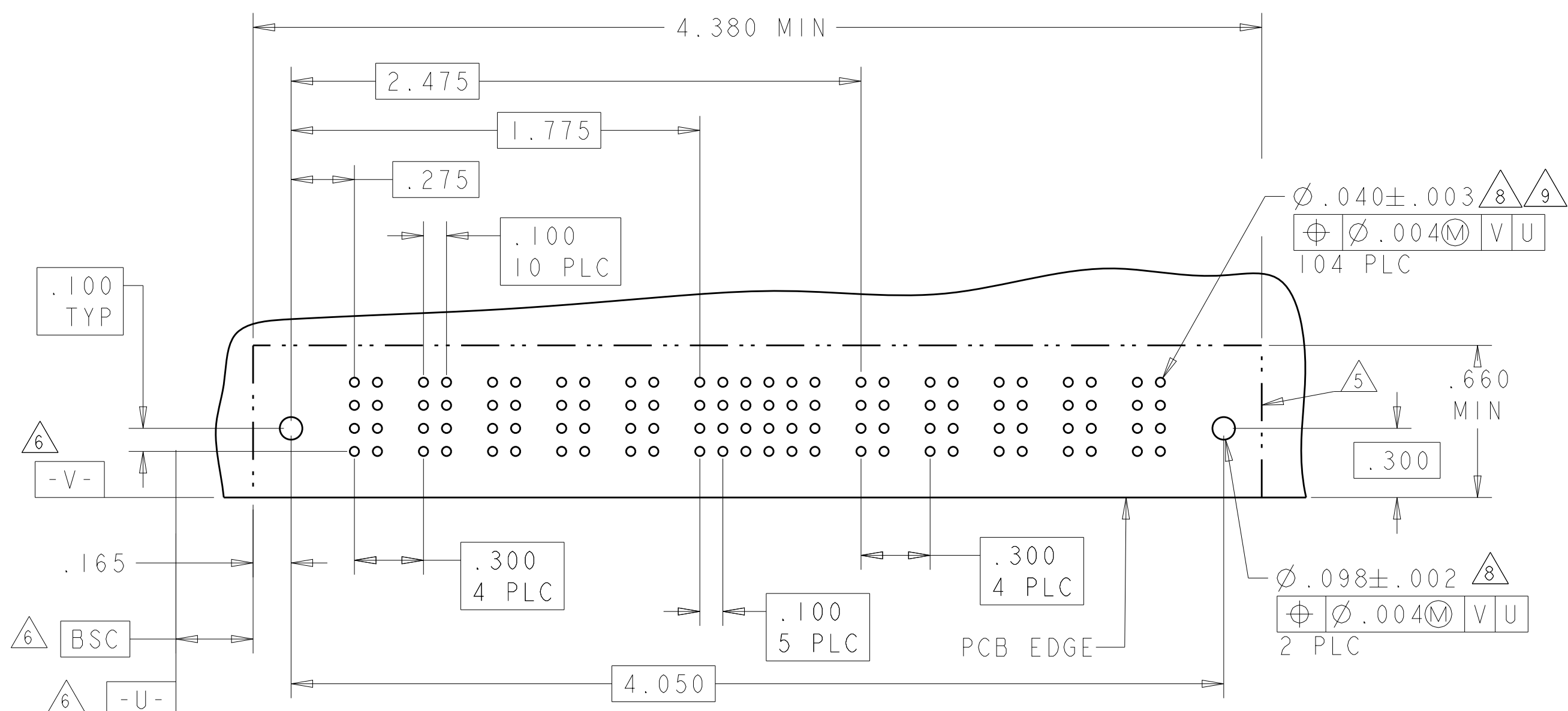
- 36 pins: 8x9 grid, dimensions: $\varnothing .040 \pm .003$, $\varnothing .004 (M)$, V U, 36 PLC
- 2 pins: 2x8 grid, dimensions: $\varnothing .098 \pm .002$, $\varnothing .004 (M)$, V U, 2 PLC
- BSC point: Bottom Surface Center, dimensions: .165, .100, .100, .100, .100, .100, .100, .100, .100, .100
- PCB EDGE: Indicated by a dashed line.

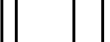
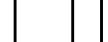
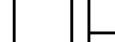
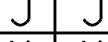
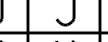
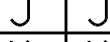


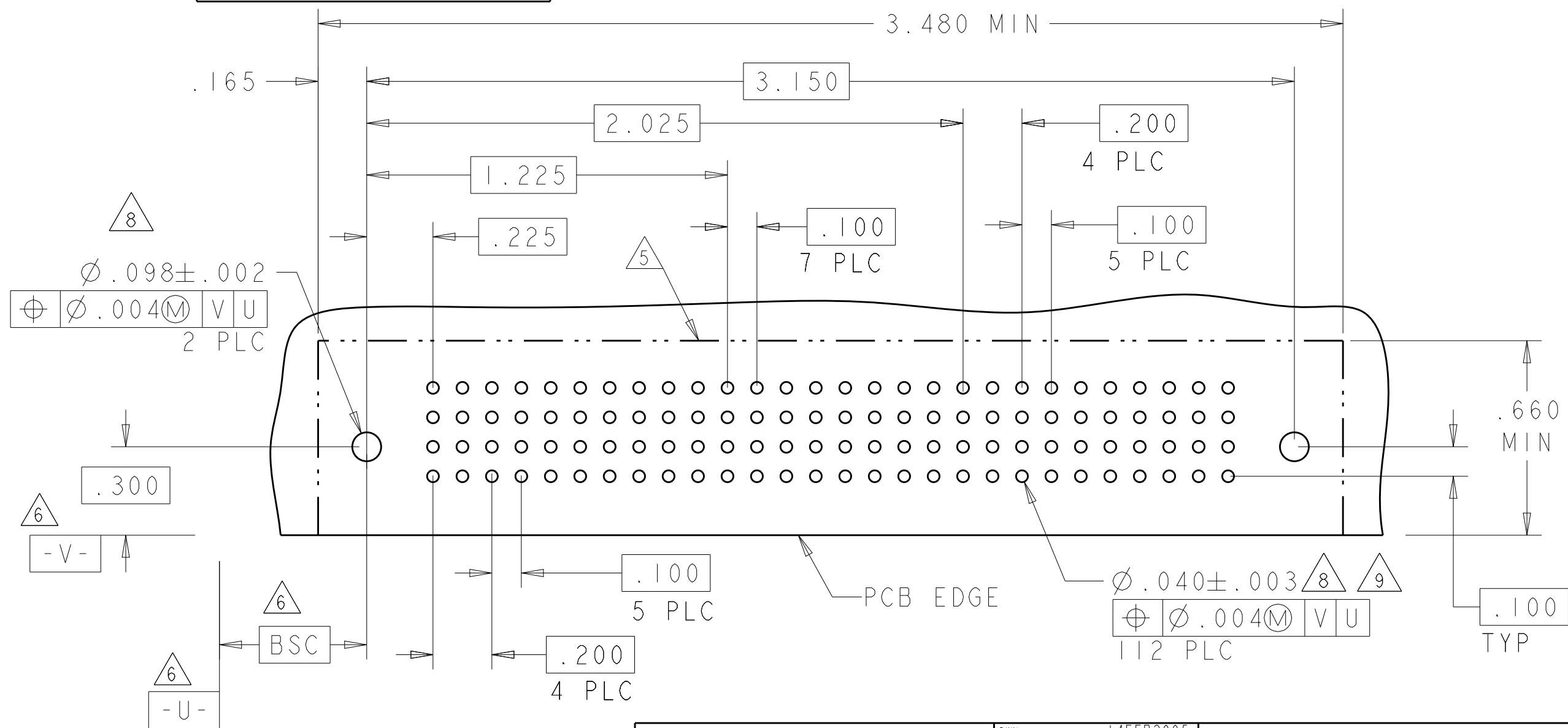
Technical drawing of a PCB layout for a 112-pin connector. The drawing shows a rectangular board with a grid of 112 pins (8 rows by 14 columns). Key dimensions include a total length of 3.480 MN, a pin pitch of 0.098 ± 0.002, and various mounting hole and pad dimensions. Callouts specify pin counts for different sections: 4 PLC, 5 PLC, 5 PLC, 7 PLC, and 112 PLC. A BSC (Basic Surface Contact) feature is indicated near the bottom left. The drawing is labeled "PCB EDGE" and includes a title block with the text "THIS DRAWING IS A CONTROLLED DOCUMENT." and "OWN P. GRZYBOWSKI 14FEB2005".

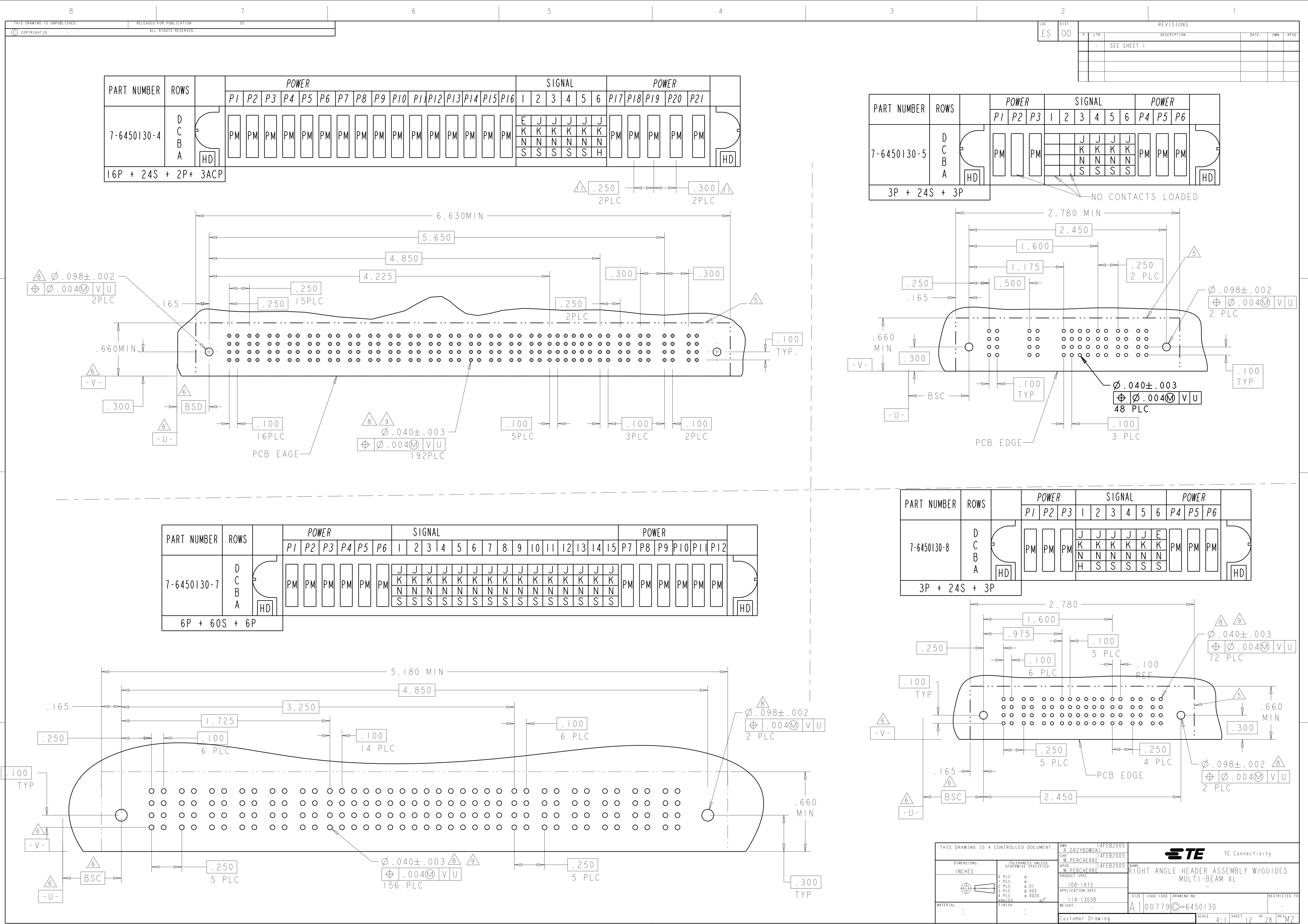


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5-6450130-0	D						J	J	J	J	J	J							
	K						K	K	K	K	K	K							
	N						N	N	N	N	N	N							
	H						H	H	H	H	H	H							
5ACP + 24S + 5ACP																			

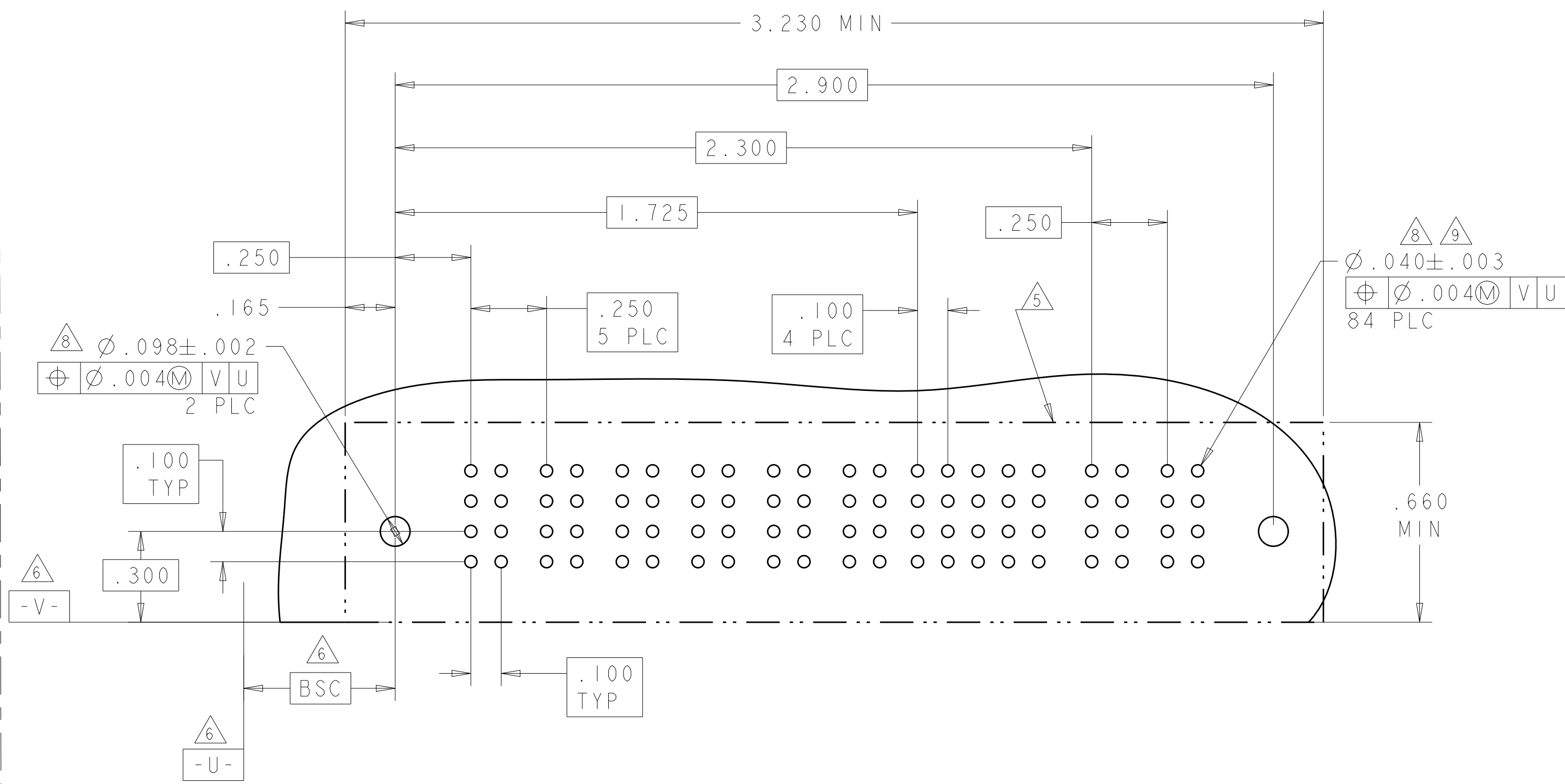


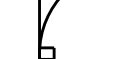
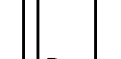
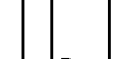
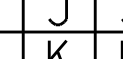
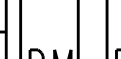
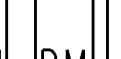
PART NUMBER	ROWS		POWER					SIGNAL								POWER					
			P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	P6	P7	P8	P9	P10	
5-6450130-5	D C B A																				
5P + 32S + 5P																					

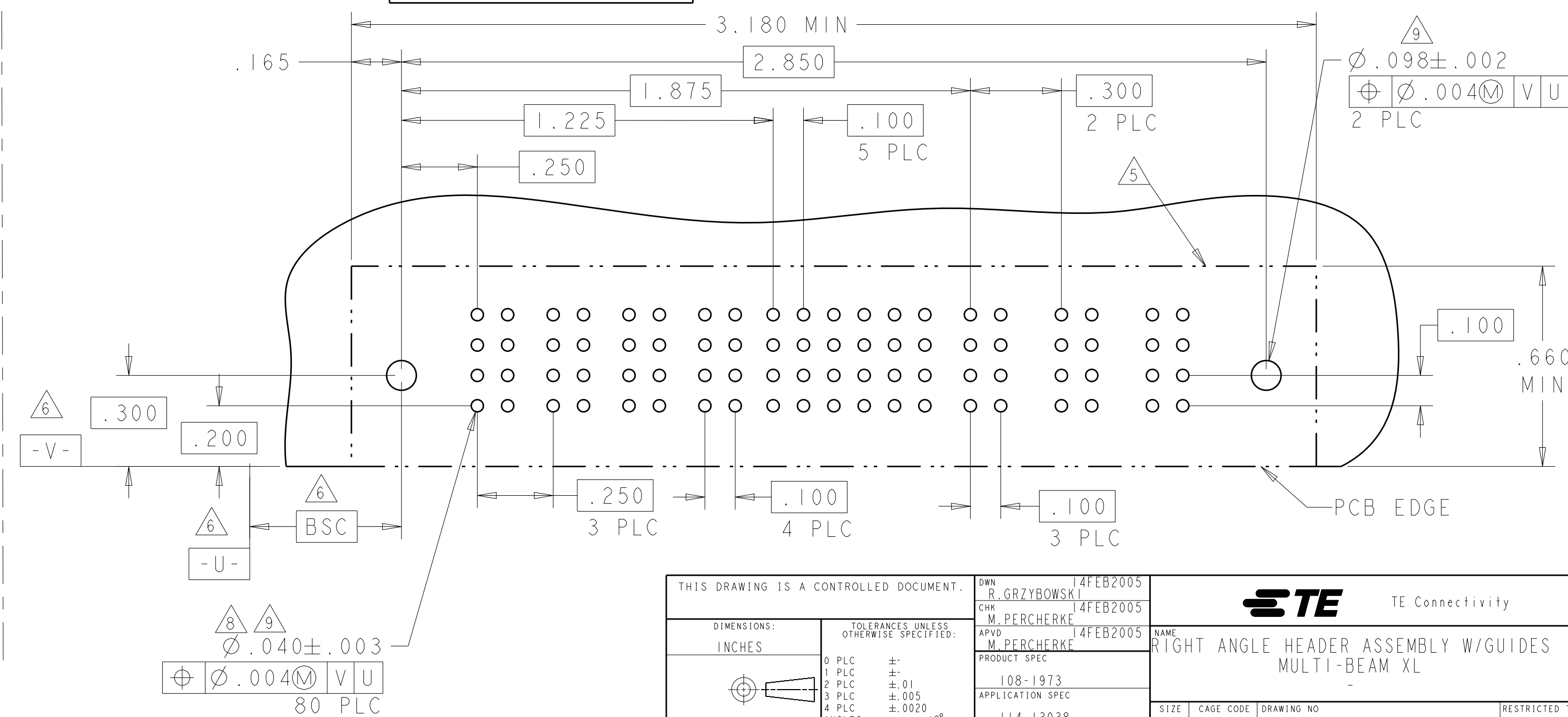
4805 (3/11)



PART NUMBER	ROWS		POWER						SIGNAL					POWER		
			P1	P2	P3	P4	P5	P6	I	2	3	4	5	P7	P8	
8-6450130-0	D C B A		 PM	 PM	 PM	 PM	 PM	 PM	J K N S	J K G S	J K N S	J K N S	J K N S	 PM	 PM	 HD
6P + 20S + 2P																



PART NUMBER	ROWS		POWER				SIGNAL						POWER			
			P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7	
8-6450130-2	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	H					
4P + 24S + 3ACP																

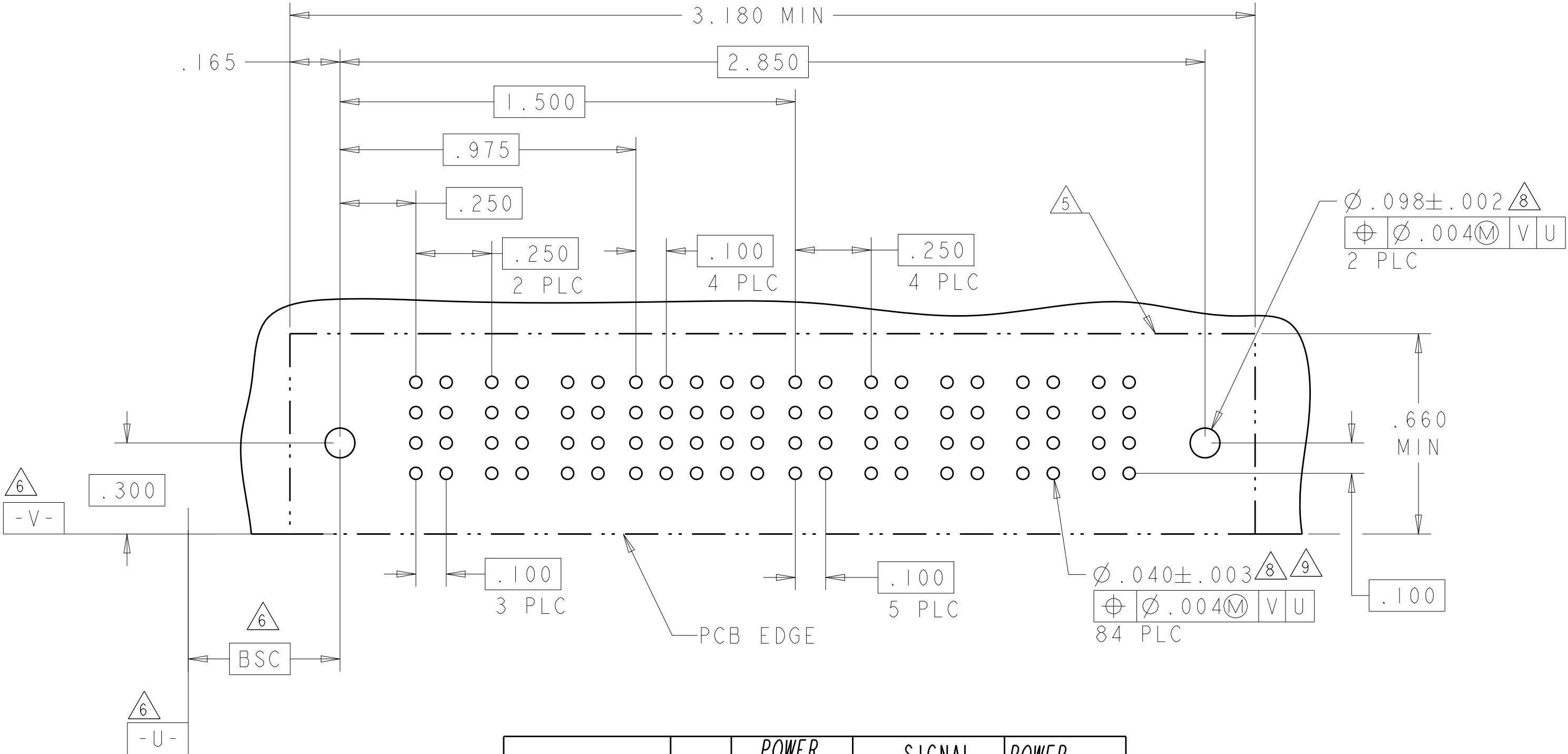


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 141EB2005 CHG GRZYBOWSKI M. PERCHERRE 141EB2005 141EB2005 M. PERCHERRE		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±0°		NAME: RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL - -	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		SIZE CAGE CODE DRAWING NO A100779 C6450130	
MATERIAL -		WEIGHT -		RESTRICTED TO -	
FINISH -		Customer Drawing		SCALE 4:1 SHEET 13 OF 28 REV M	

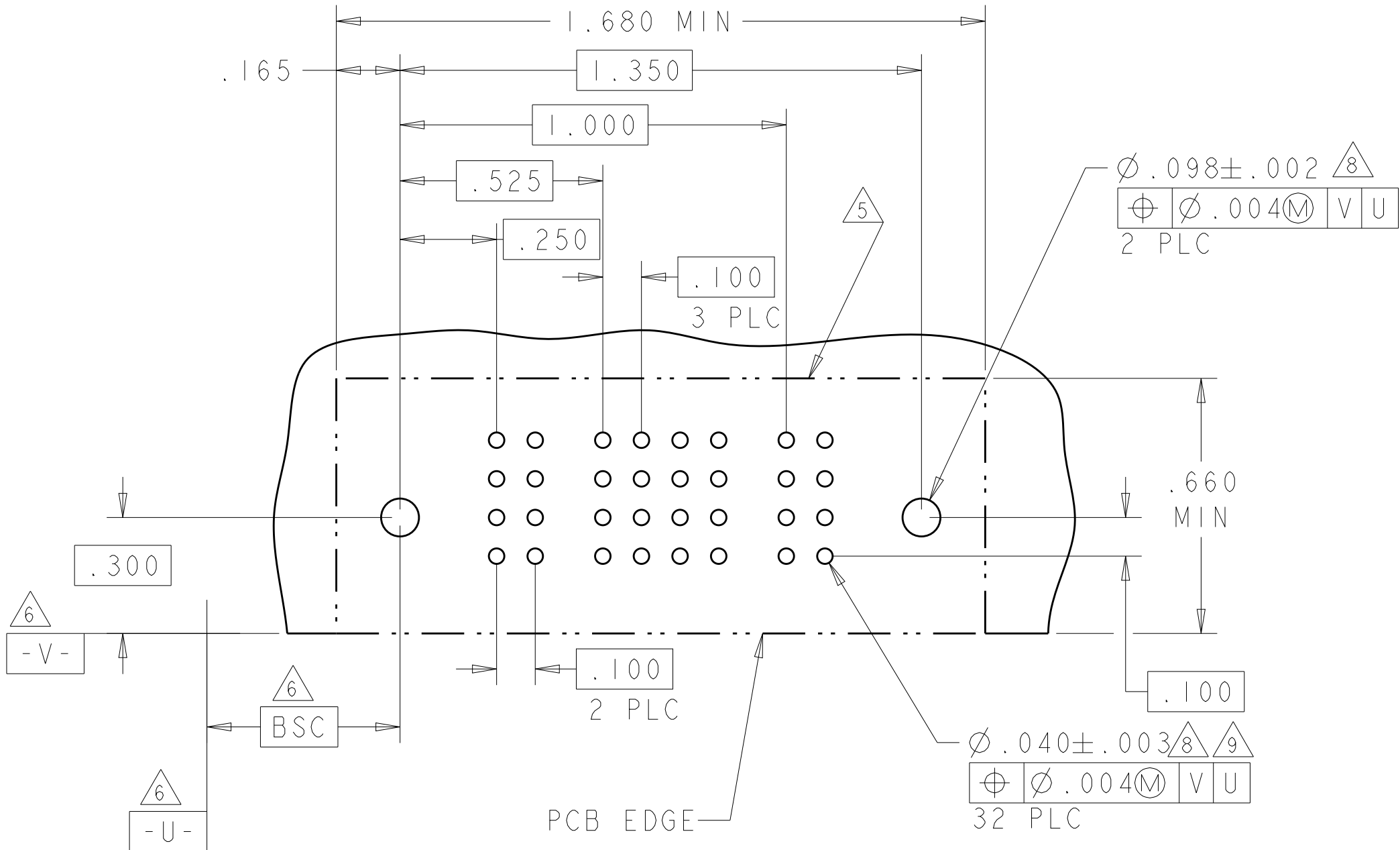
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER			SIGNAL					POWER					
			P1	P2	P3	1	2	3	4	5	P4	P5	P6	P7	P8	
8-6450130-4	D		PM	PM	PM	J	J	J		J	PM	PM	PM	PM	PM	HD
	K					K	K		K							
	N					N	N		N							
	S					S	S		H							
3P + 20S + 5P																

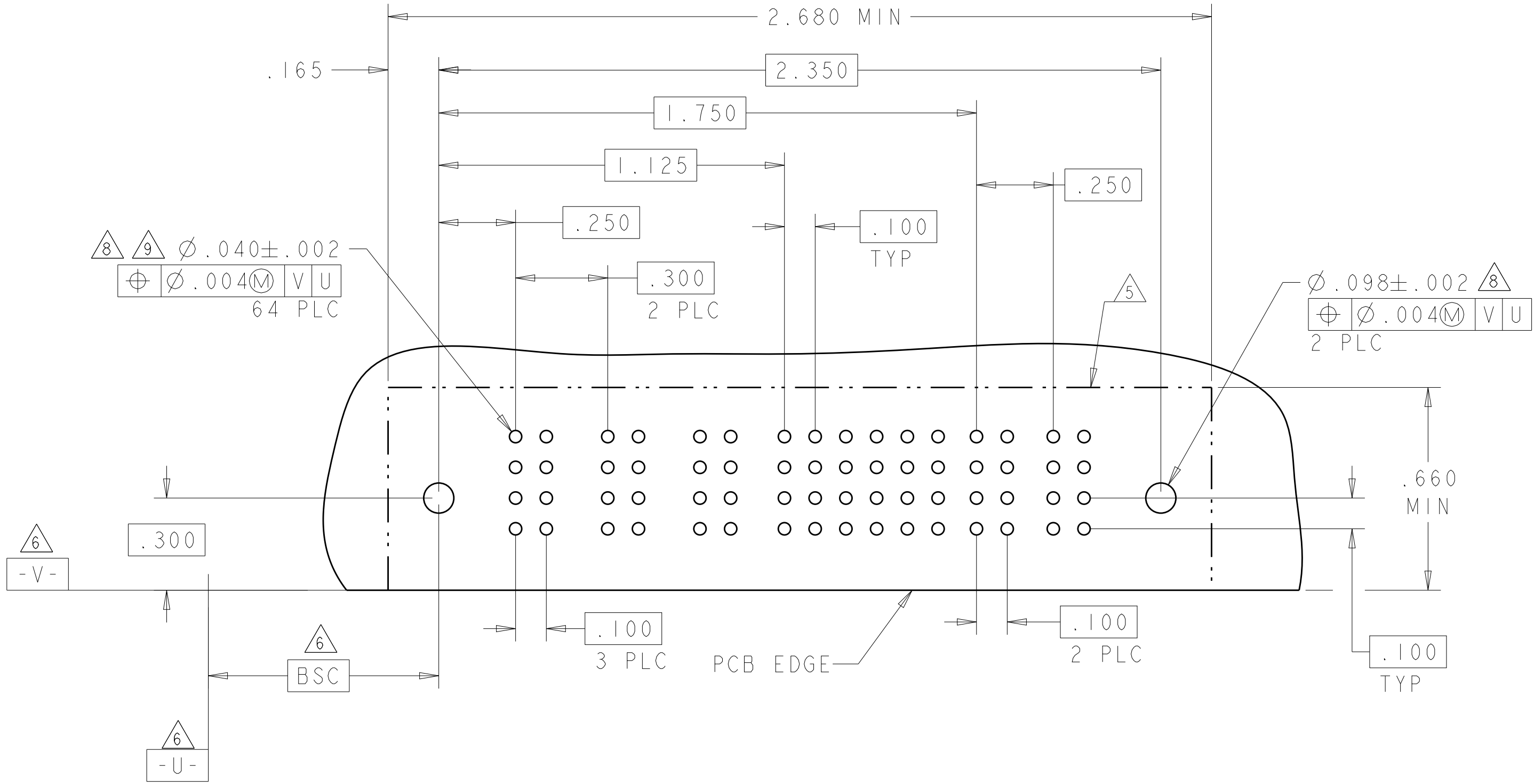
NO CONTACTS LOADED



PART NUMBER	ROWS	POWER		SIGNAL				POWER		
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	K			K	K	K				
	N			N	N	N				
	S			S	S	S				
IP + 16S + IP		HD	HD							



PART NUMBER	ROWS		POWER			SIGNAL						POWER		
			P1	P2	P3	1	2	3	4	5	6	P4	P5	
5-6450130-1	D		PM	PM	PM	J	J	E	J	J	J	PM	PM	
	K					K	K	K	K	K				
	N					N	G	N	N	N				
	S					S	S	S	S	S				
3ACP + 24S + 2P														



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

R. GRZYBOWSKI

14FEB2005

CHK

M. PERCHERKE

14FEB2005

APVD

M. PERCHERKE

14FEB2005

DIMENSIONS:

INCHES

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

ANGLES

FINISH

±"

±.01

±.005

±.0020

±2°

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

-

Customer Drawing

NAME

RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A100779

C=6450130

-

SCALE

4:1

SHEET

14

OF

28

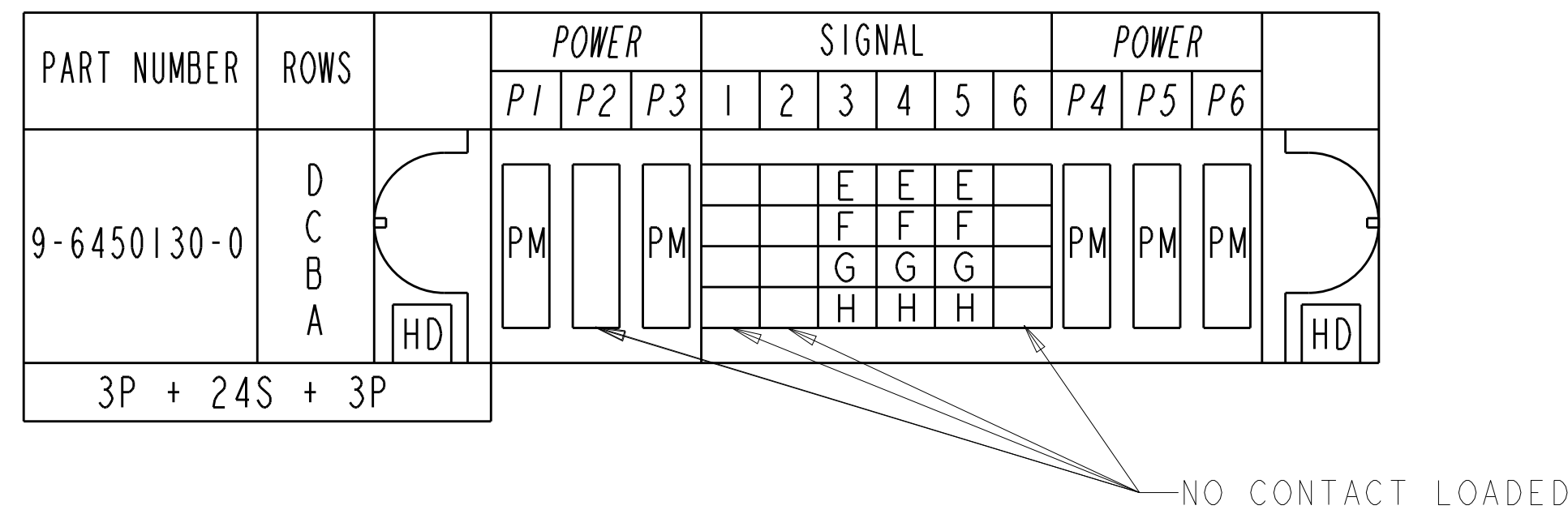
REV

M2

TE

TE Connectivity

PART NUMBER	ROWS		POWER			SIGNAL						POWER			
			P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	
8-6450130-6	D		PM		PM			J	J	J		PM	PM	PM	
	C							K	K	K					
	B							N	N	N					
	A							S	S	S					
3P + 24S + 3P															

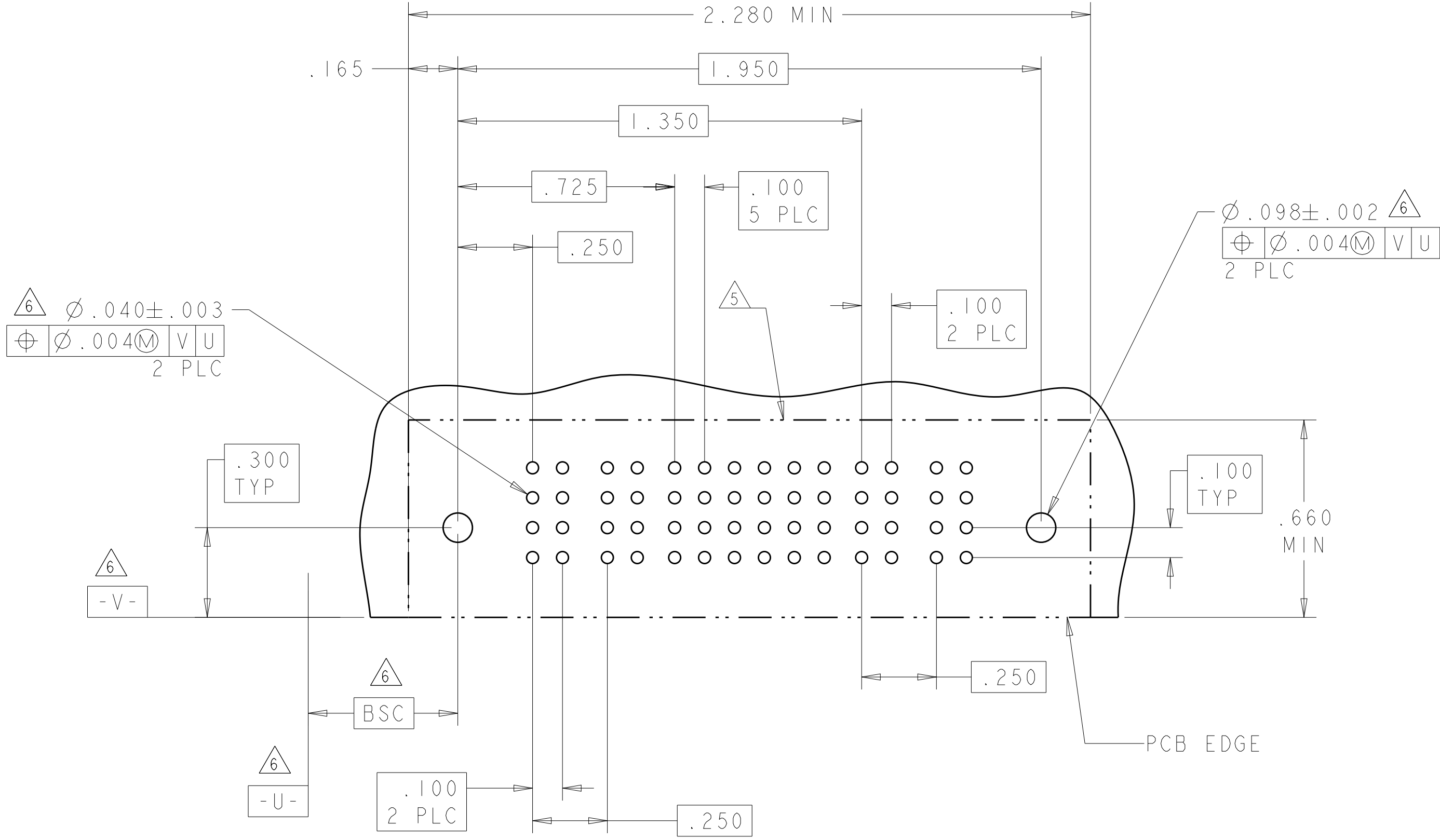


This mechanical drawing illustrates the layout of a PCB, detailing dimensions, tolerances, and component locations. The drawing includes the following specifications:

- Overall Dimensions:**
 - Length: 2.780 MIN
 - Width: .660 MIN
- Component Locations and Dimensions:**
 - Top Left:** A circular feature with a diameter of $\varnothing .098 \pm .002$ and a tolerance of 2 PLC. A dimension of .165 is shown from the left edge to the center of this feature.
 - Top Center:** A dimension of 2.450 is shown from the left edge to the center of a component.
 - Top Right:** A circular feature with a diameter of $\varnothing .040 \pm .003$ and a tolerance of 52 PLC. A dimension of .250 is shown from the center of this feature to the right edge.
- Internal Dimensions and Tolerances:**
 - Horizontal dimensions: 1.600, 1.175, .750, .250, .100 (2 PLC), .250, .100 (2 PLC), .100 (3 PLC).
 - Vertical dimensions: .300, .100, .100 (3 PLC), .100 (TYP).
- Other Features:**
 - A dashed line indicates a centerline or symmetry.
 - A label "PCB EDGE" points to the right edge of the board.
 - A label "BSC" (Basic) is shown near the bottom left corner.
 - A label "TYP" (Typical) is shown near the bottom right corner.

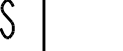
4805 (3/11)

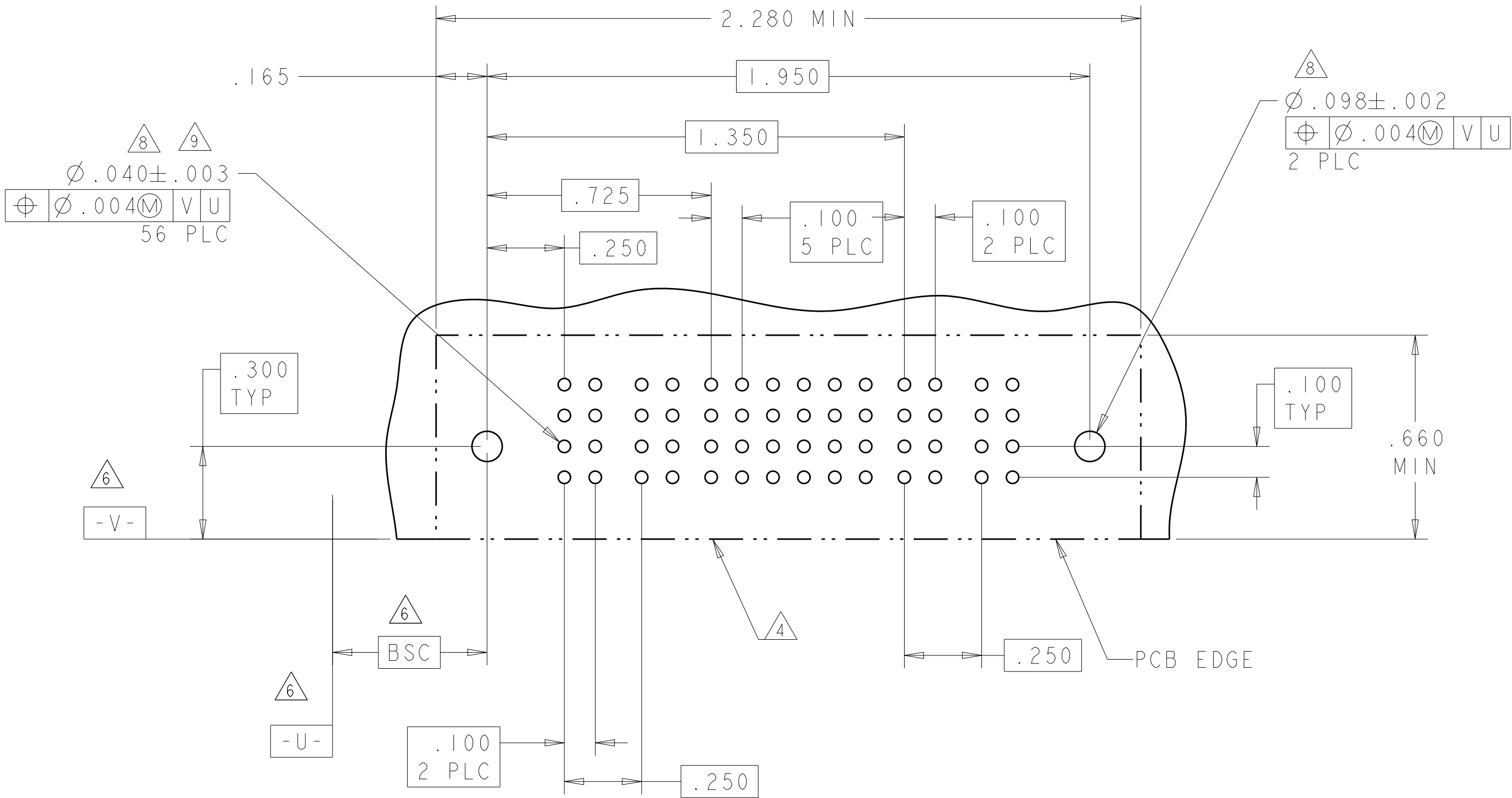
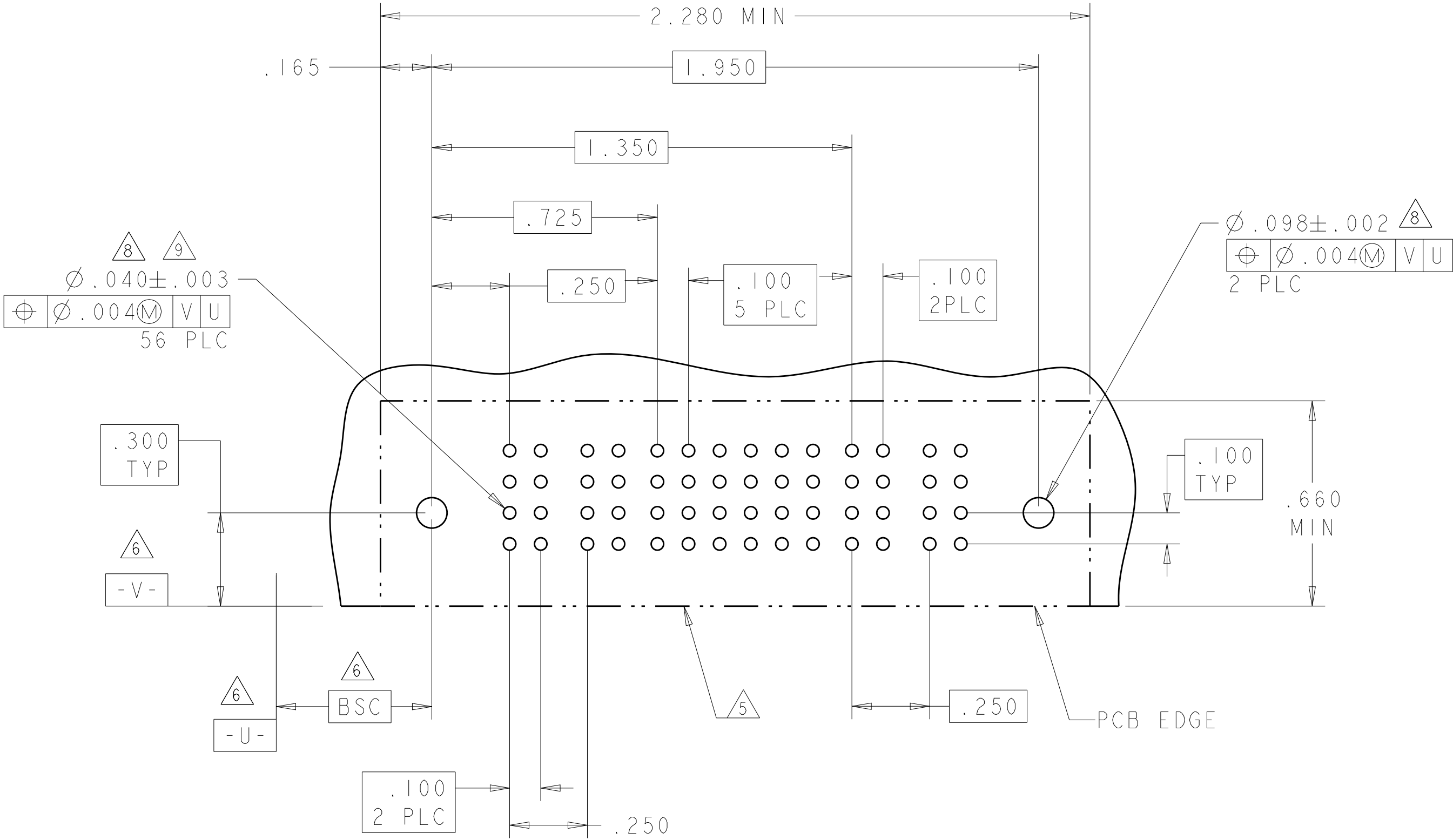
PART NUMBER	ROWS		POWER		SIGNAL						POWER		
			P1	P2	1	2	3	4	5	6	P3	P4	
2-6450130-9	D C B A	          											

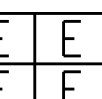
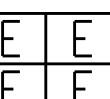
4805 (3/11)

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

PART NUMBER	ROWS		POWER		SIGNAL						POWER		
			P1	P2	1	2	3	4	5	6	P3	P4	
4-6450130-2	D C B A		PM	PM	J	J	J	J	J	E	PM	PM	
					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	1	2	3	4	5	6	P3	P4	
6-6450130-7	D C B A				J	J	J	J	J	J			
					K	K	K	K	K	K			
					N	N	N	G	N	N			
					S	S	S	S	S	S			
2P + 24S + 2P													



PART NUMBER	ROWS		POWER		SIGNAL						POWER		
			P1	P2	1	2	3	4	5	6	P3	P4	
8-6450130-8	D C B A				E	E	E	E	E	E			
					F	F	F	F	F	F			
					G	G	G	G	G	G			
					H	H	H	H	H	S			
2P + 24S + 2P													

LAYOUT OF PART 8-6450130-8 IS SAME AS 6-6450130-7.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN: R.GRZYBOWSKI 14FEB2005
CHK: M.PERCHEK 14FEB2005
APVD: M.PERCHEK 14FEB2005

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

Customer Drawing

TE Connectivity

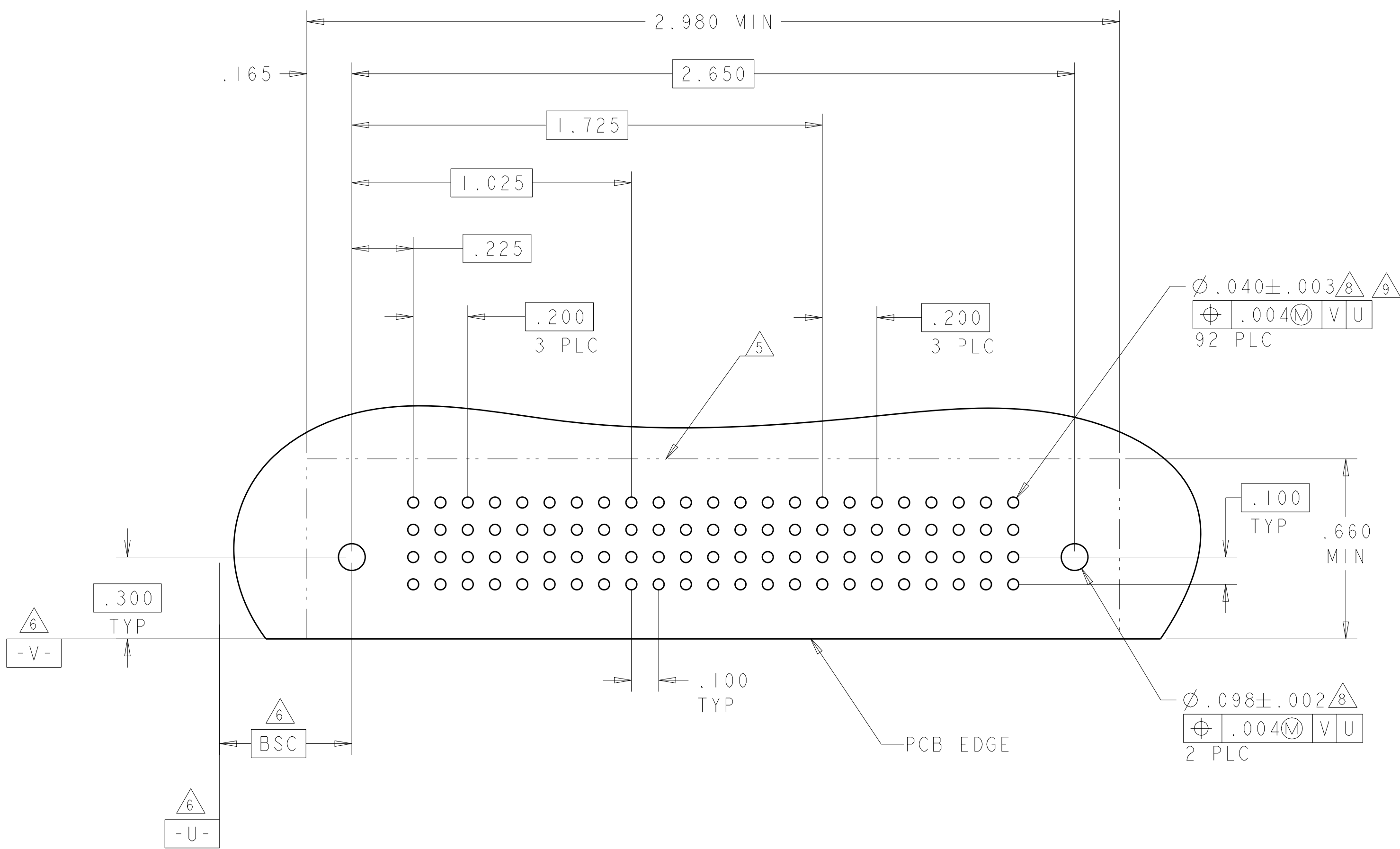
NAME: RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL

SIZE: A1 CAGE CODE: 00779 DRAWING NO: 6450130

RESTRICTED TO: -

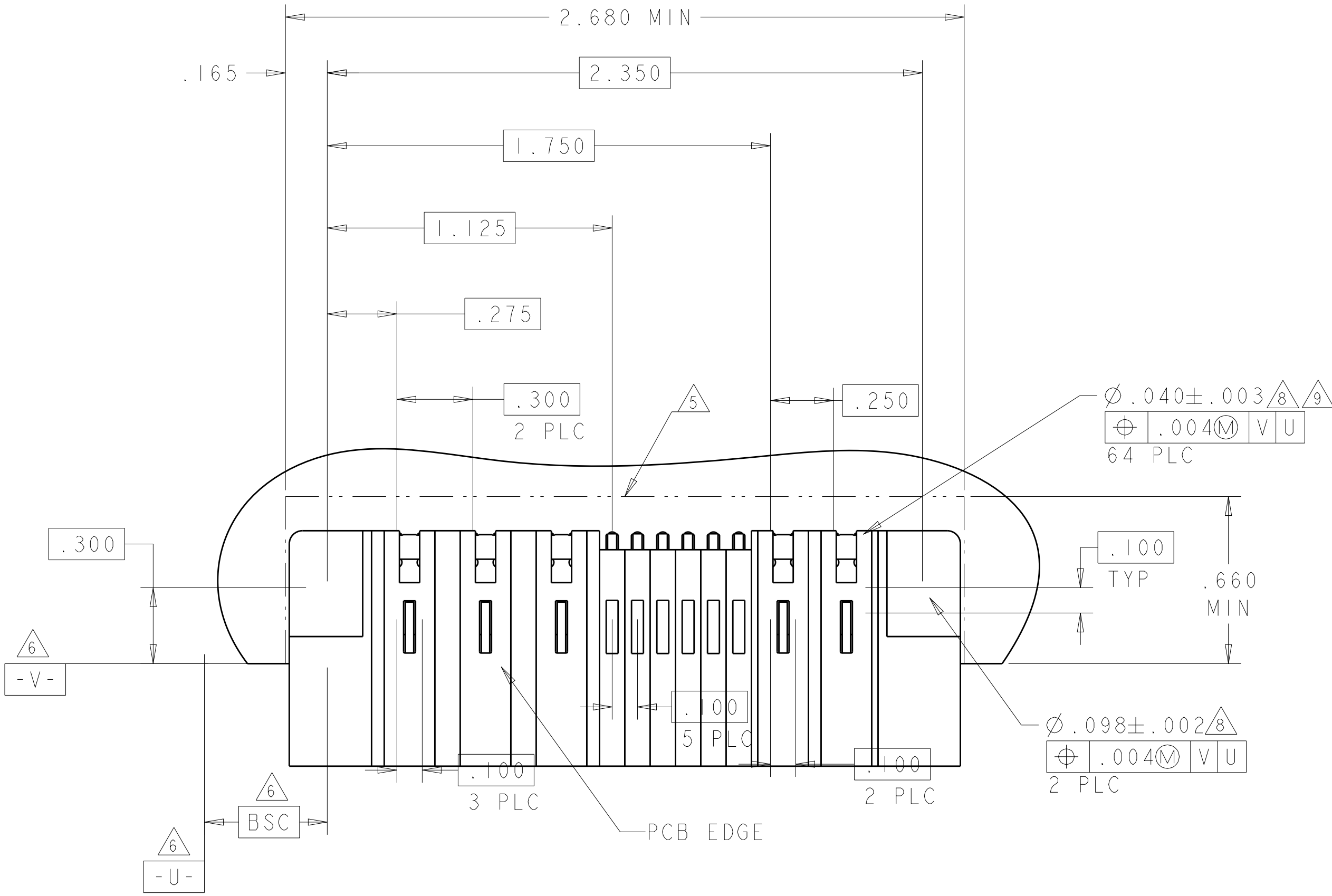
SCALE: 4:1 SHEET: 17 OF 28 REV: M2

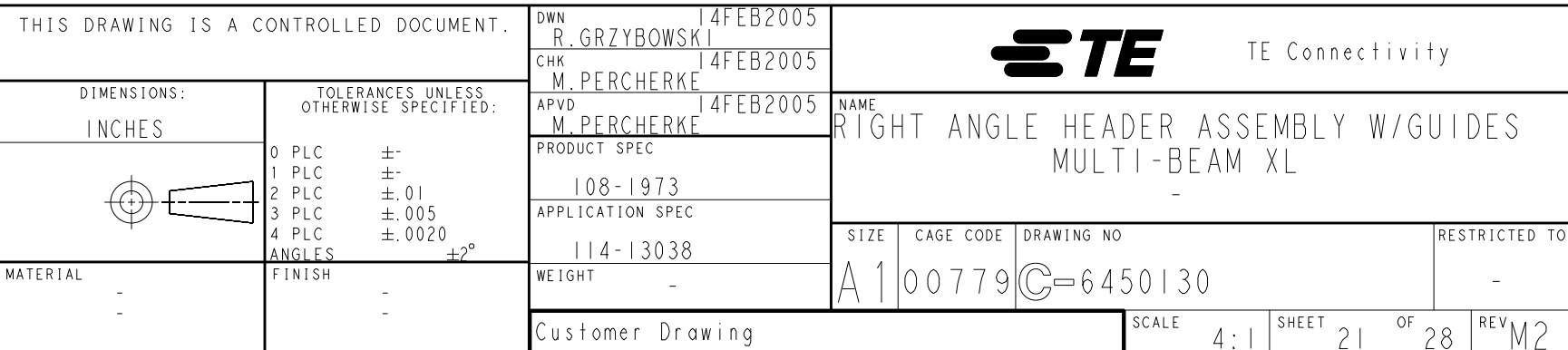
PART NUMBER	ROWS		POWER				SIGNAL							POWER				
			P1	P2	P3	P4	1	2	3	4	5	6	7	P5	P6	P7	P8	
2-6450130-4	D		PA	PA	PA	PA	A4	A4	A4	A4	A4	A4	A4	PA	PA	PA	PA	
	C						A3	A3	A3	A3	A3	A3	A3					
	B						A2	A2	A2	A2	A2	A2	A2					
	A	A1					A1	A1	A1	A1	A1	A1	HD					
4HDP + 2S + 4HDP																		

4805 (3/11)

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

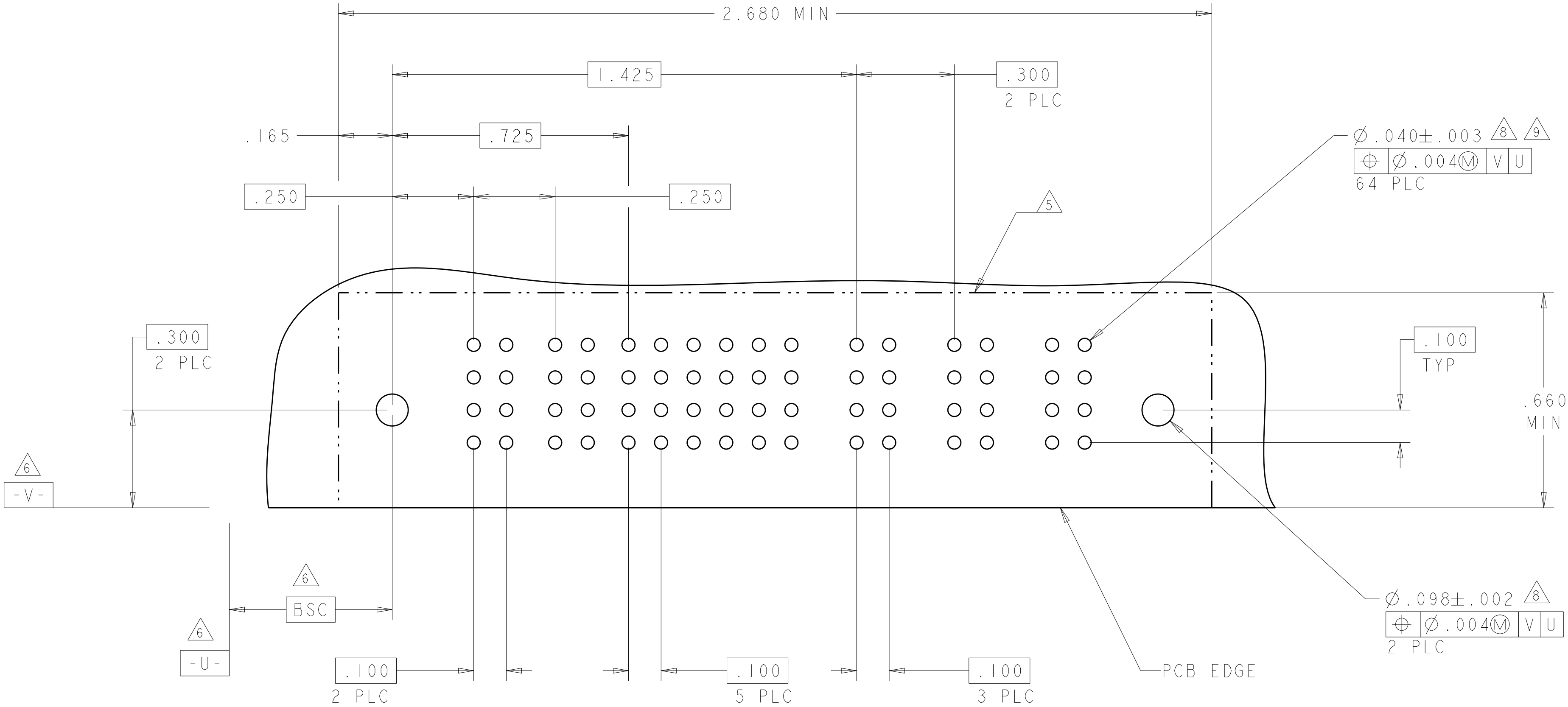
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2-6450130-6	D		PM	PM	PM	J	J	J	J	J	J	PM	PM	
	K					K	K	K	K	K				
	N					N	N	N	N	N				
	S					S	S	S	S	S				
3ACP + 24S + 2P														





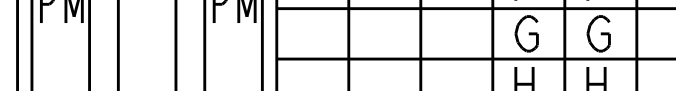
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
ES	00	-	-	SEE SHEET 1	-	-

PART NUMBER	ROWS		POWER		SIGNAL						POWER			
			P1	P2	1	2	3	4	5	6	P3	P4	P5	
9-6450130-5	D		PM	PM	J	J	E	J	J	J	PM	PM	PM	
	K				K	K	K	K	K					
	N				N	G	N	N	N					
	S				S	S	S	S	S					
2P + 24S + 3ACP														

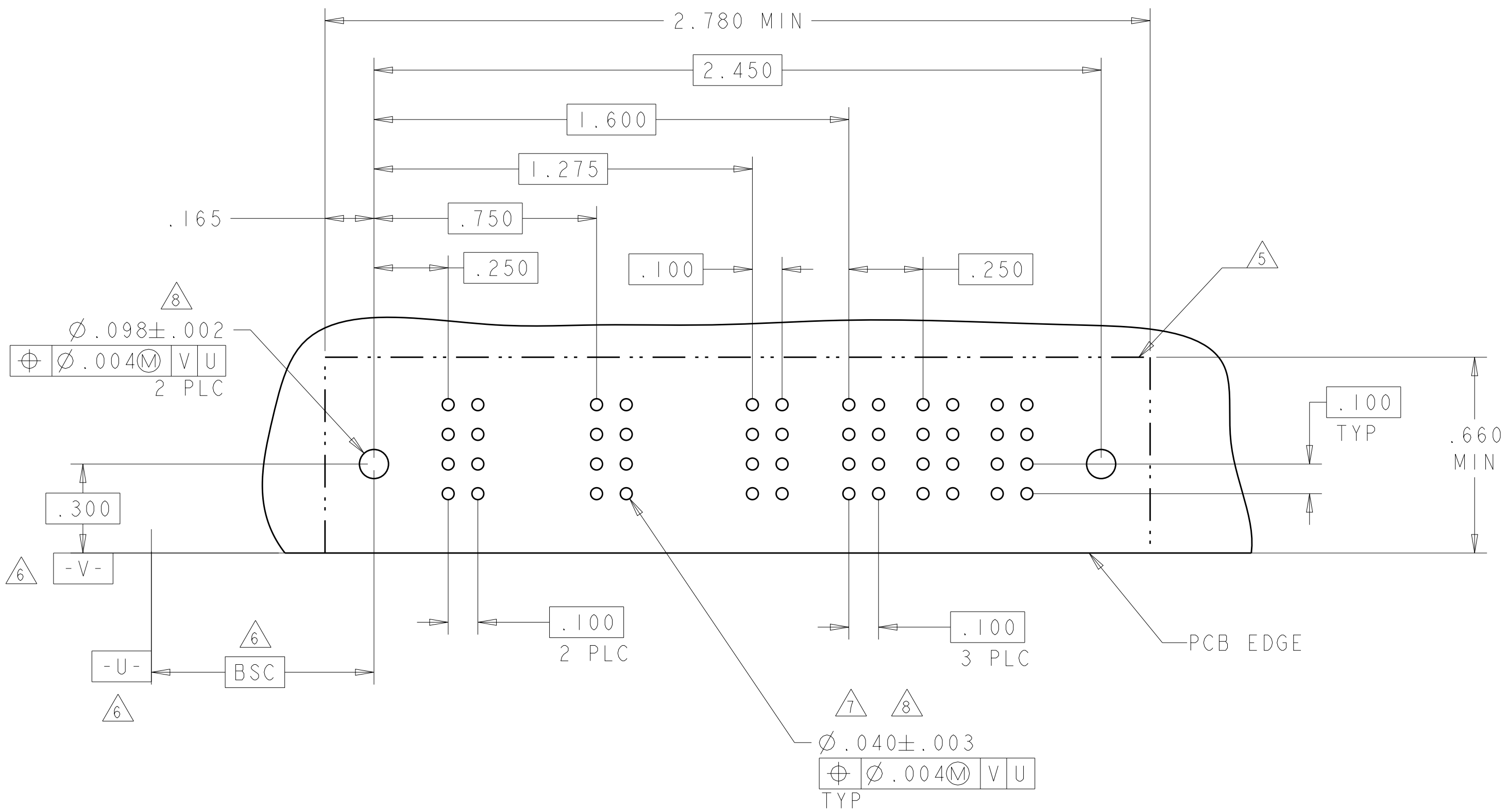


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI	4FEB2005	TE Connectivity	
		CHK M.PERCHERKE	14FEB2005		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL
		0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES FINISH	$\pm .01$ $\pm .005$ $\pm .0020$ $\#2^\circ$ -	PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT -	
MATERIAL	-	Customer Drawing		SIZE A1	RESTRICTED TO -
				CAGE CODE 100779	
				DRAWING NO 6450130	
				SCALE 4:1	
				SHEET 22	
				OF 28	
				REV M2	



PART NUMBER	ROWS		POWER			SIGNAL						POWER			
			P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	
9-6450130-7	D	 	PM		PM										
	C														
	B														
	A														
3P + 24S + 3P															

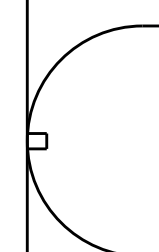
L5

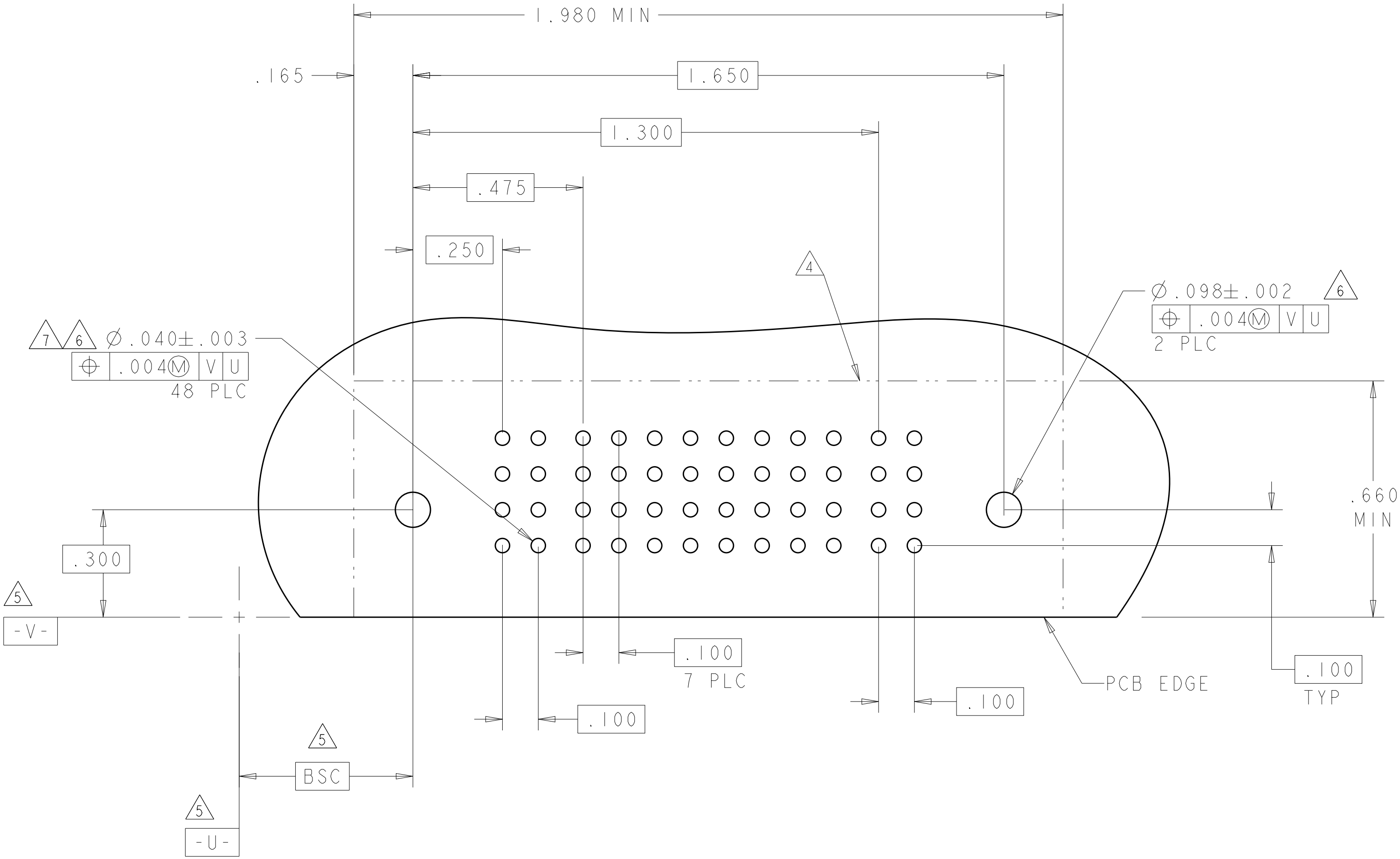
4805 (3/11)

L7

4805 (3/11)

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

PART NUMBER	ROWS	POWER		SIGNAL								POWER	
		P1		1	2	3	4	5	6	7	8	P2	
9-6450130-9	D		PM	J	J	J	J	J	J	J	J	PM	
	K			K	K	F	K	K	K	K			
	N			N	N	N	N	N	N	N			
	S			S	S	S	S	S	S	S			
IP + 32S + IP		HD											HD



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

R. GRZYBOWSKI

4FEB2005

CHK

M. PERCHERKE

14FEB2005

APVD

M. PERCHERKE

14FEB2005

TE Connectivity

NAME

RIGHT ANGLE HEADER ASSEMBLY W/GUIDES
MULTI-BEAM XL

DIMENSIONS:

INCHES

0 PLC

1 PLC

2 PLC

3 PLC

4 PLC

ANGLES

FINISH

±"

±.01

±.005

±.0020

#2°

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

Customer Drawing

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A1

00779

C=6450130

-

SCALE

4:1

SHEET

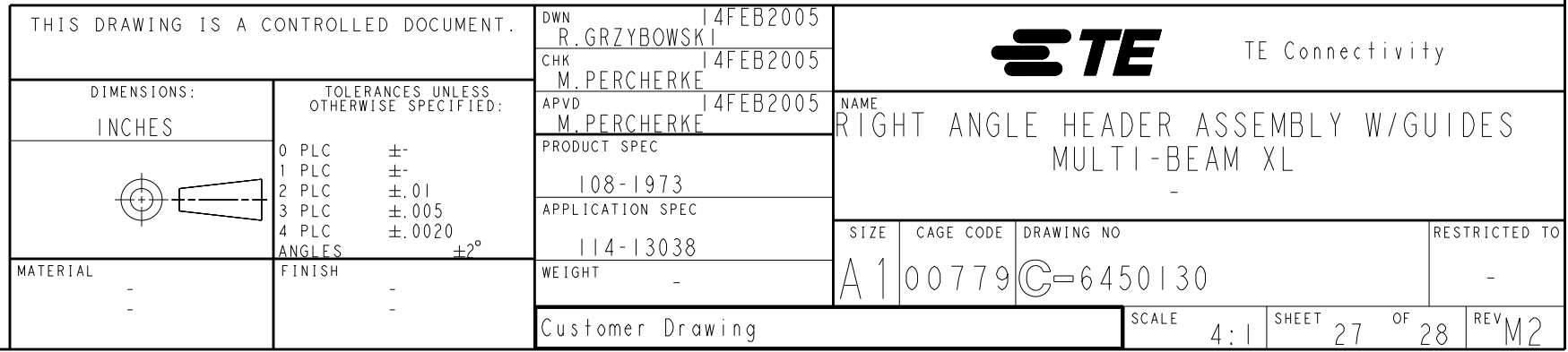
26

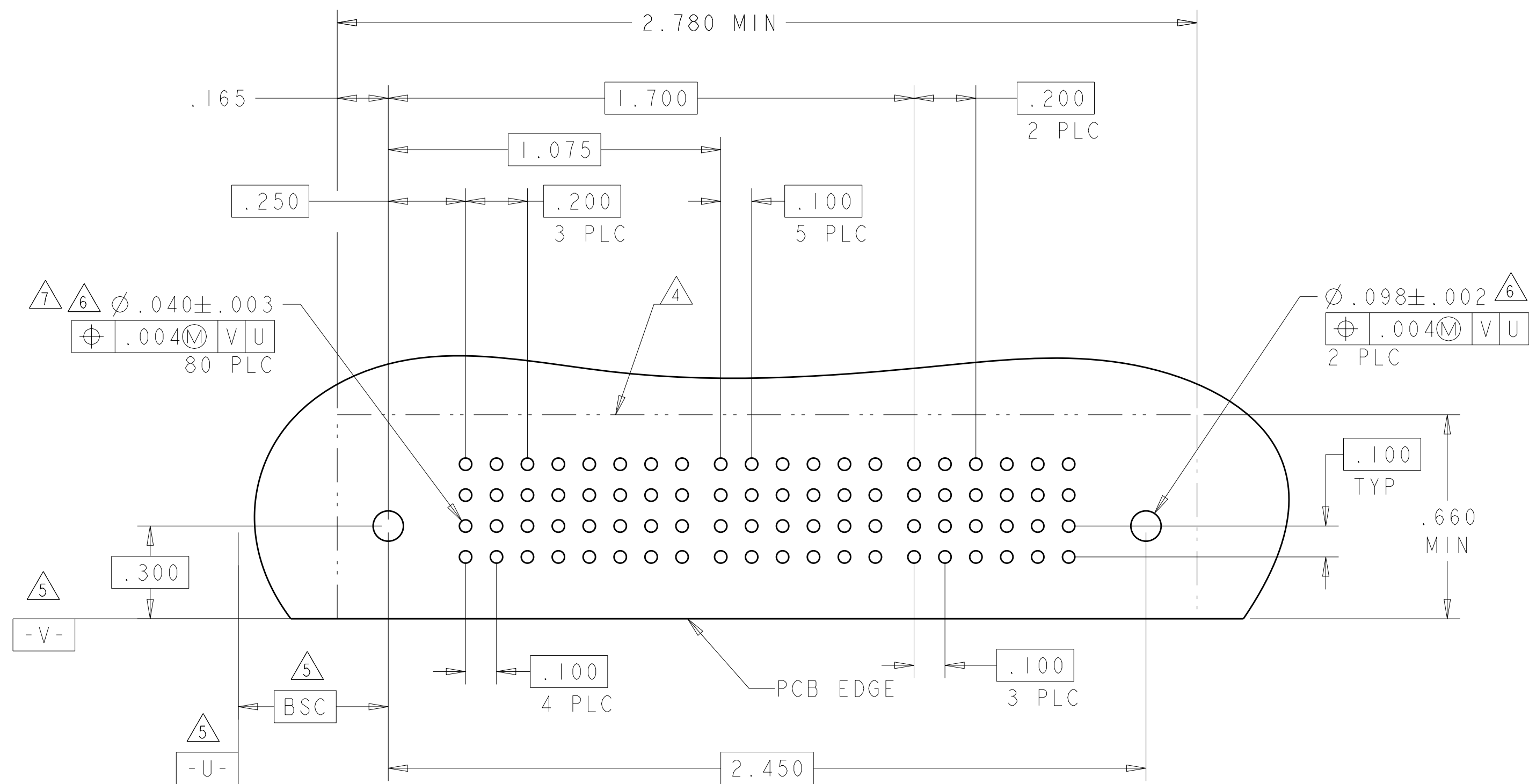
OF

28

REV

M2



[illegible]

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 141EB2005 GRZYBOWSKI CHK 141EB2005 M. PERCHERKE APP'D 141EB2005 M. PERCHERKE		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±0°		NAME: RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL -	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		SIZE CAGE CODE DRAWING NO A100779C6450130	
MATERIAL -		FINISH - WEIGHT -		RESTRICTED TO -	
		Customer Drawing		SCALE 4:1 SHEET 28 of 28 REV M	

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