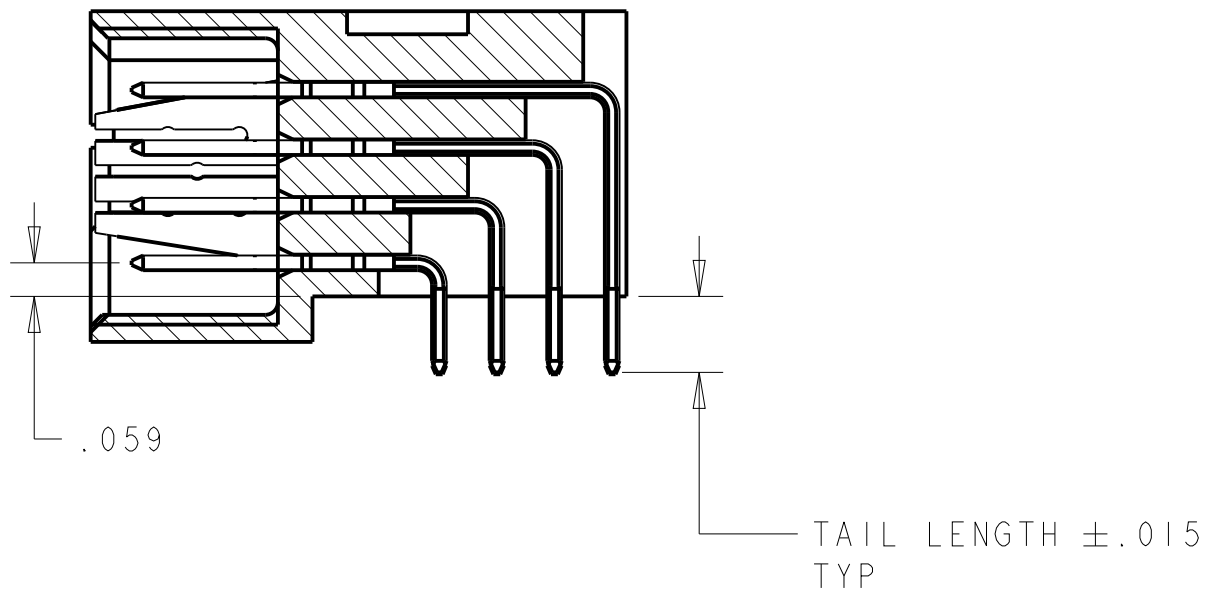
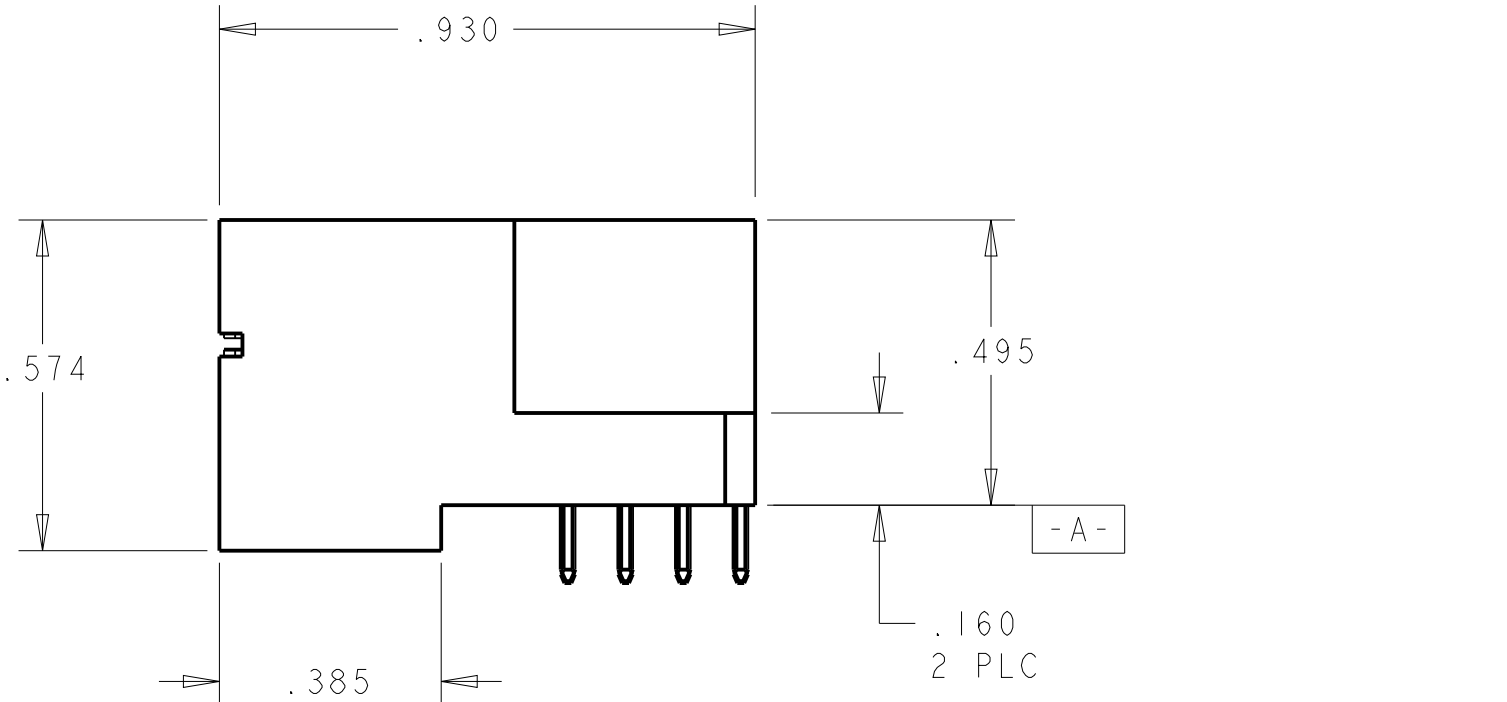
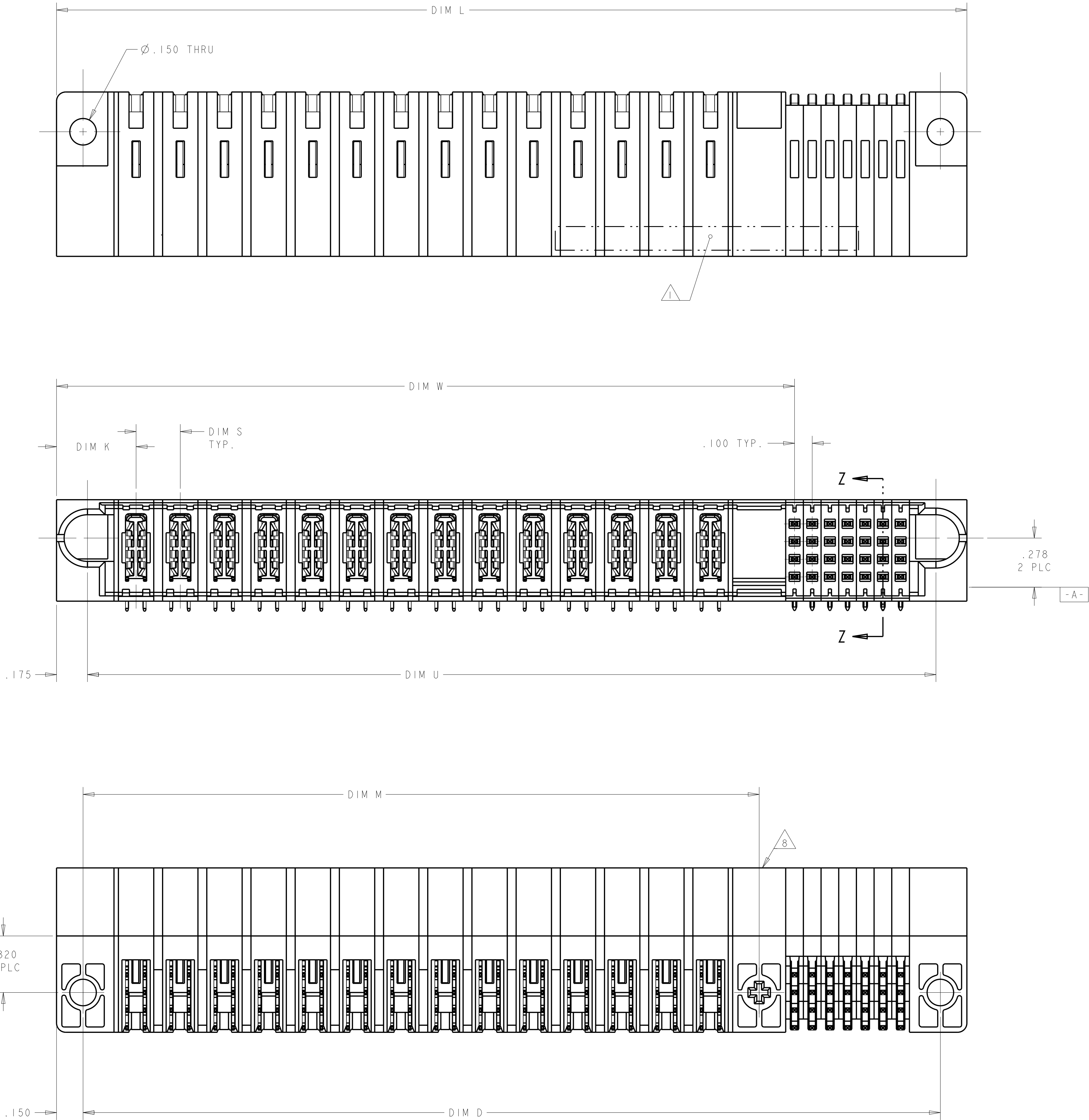


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		H4	ADDED DASH NUMBER -33	25FEB2013	CZ	SZ



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	24JAN05 24JAN05	TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES		±" ±.01 ±.005 ±.0020 #2°		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	
MATERIAL 2		FINISH 3		SIZE A100779	
CUSTOMER DRAWING		WEIGHT -		CAGE CODE 6450332	
SCALE 4:1		SHEET 1 OF 13		REV H6	

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

- 1 "AMP", PART NUMBER, AND DATECODE TO BE MARKED IN AREA SHOWN.
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
SIGNAL CONTACT - COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 3 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA
OF POWER AND SIGNAL CONTACTS
- 4 MECHANICAL CONNECTOR KEEP OUT ZONE.
- 5 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 6 PCB - HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- 7 PCB - .0453±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn
OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 DIAMETER HOLE.
- 8 OPTIONAL CENTER MODULE
- 9 NOT RELEASED FOR PRODUCTION
- 10 VARIABLE DIMENSIONS SHOWN ON TABLE

H6	1.900	.250	1.375	1.950	-	2.250	.450	4P + 24S	3-6450332-4
	2.825		2.300	2.875	-	3.175	.475	3ACP + 4P + 24S	3-6450332-3
	1.600	.250	1.375	1.650	-	1.950	.450	4P + 12S	3-6450332-2
	2.825		2.300	2.875	-	3.175	.475	3ACP + 4P + 24S	3-6450332-1
	3.225		2.675	3.275		3.575	.525	9P + 24S	3-6450332-0
	2.700		2.275	2.750	-	3.050	.450	4ACP+3P+20S	1-6450332-9
	3.225		2.675	3.275	-	3.575	.525	3ACP+6P+24S	2-6450332-8
	1.650	.200	1.225	1.700	-	2.000	.450	4P + 20S	2-6450332-6
	1.800		1.275	1.850	-	2.150	.450	4P + 24S	2-6450332-5
	2.900	.250	2.375	2.950	-	3.250	.450	8P + 24S	2-6450332-4
	3.225		2.675	3.275	-	3.575	.525	3ACP+6P+24S	2-6450332-3
	2.150	.250	1.625	2.200	-	2.500	.450	5P + 24S	2-6450332-0
	3.225		2.675	3.275	-	3.575	.525	3ACP+6P+24S	6450332-9
	3.875		3.550	3.925	-	4.225	.475	1ACP + 9P + 16S	1-6450332-8
	2.300	.250	1.875	2.350	-	2.650	.450	6P+20S	1-6450332-7
	3.875		3.550	3.925	-	4.225	.475	3ACP+9P+16S	1-6450332-6
	5.100		2.375	5.150	-	5.450	.450	8P + 112S	1-6450332-4
	3.800		3.175	3.850	-	4.150	.450	12P + 28S	1-6450332-3
	2.275		2.050	2.325	-	2.625	.450	5P + 24S	1-6450332-2
	1.400	.250	.875	1.450	-	1.750	.450	2P + 24S	6450332-8
	1.100	-	.575	1.150	-	1.450	.425	1P + 24S	6450332-6
	4.425	.250	3.875	4.475	-	4.775	.450	14P + 24S	6450332-5
	2.675	.250	2.125	2.725	-	3.025	.450	7P + 24S	6450332-4
	2.925	.250	2.375	2.975	-	3.275	.450	8P + 24S	6450332-3
	4.500	.250	3.875	4.550	-	4.850	.450	14P + 28S	6450332-2
DIM U	DIM S	DIM W	DIM D	DIM M	DIM L	DIM K	DESCRIPTION		PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL

-

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

24JAN05
24JAN05
-

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

CUSTOMER DRAWING

TE Connectivity

NAME
RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

SIZE
A1

CAGE CODE
00779

DRAWING NO
6450332

RESTRICTED TO
-

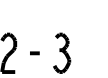
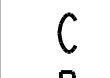
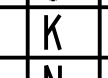
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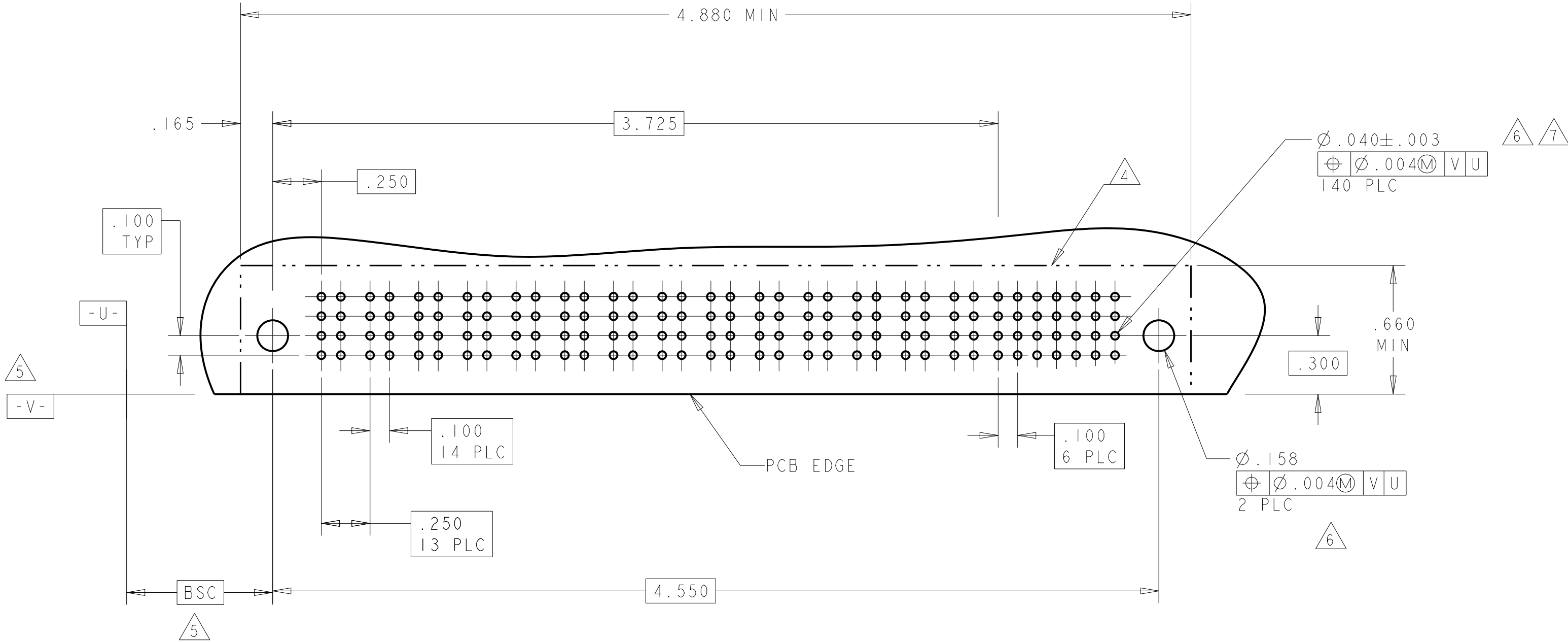
SHEET
2

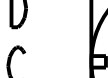
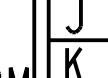
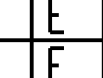
OF
13

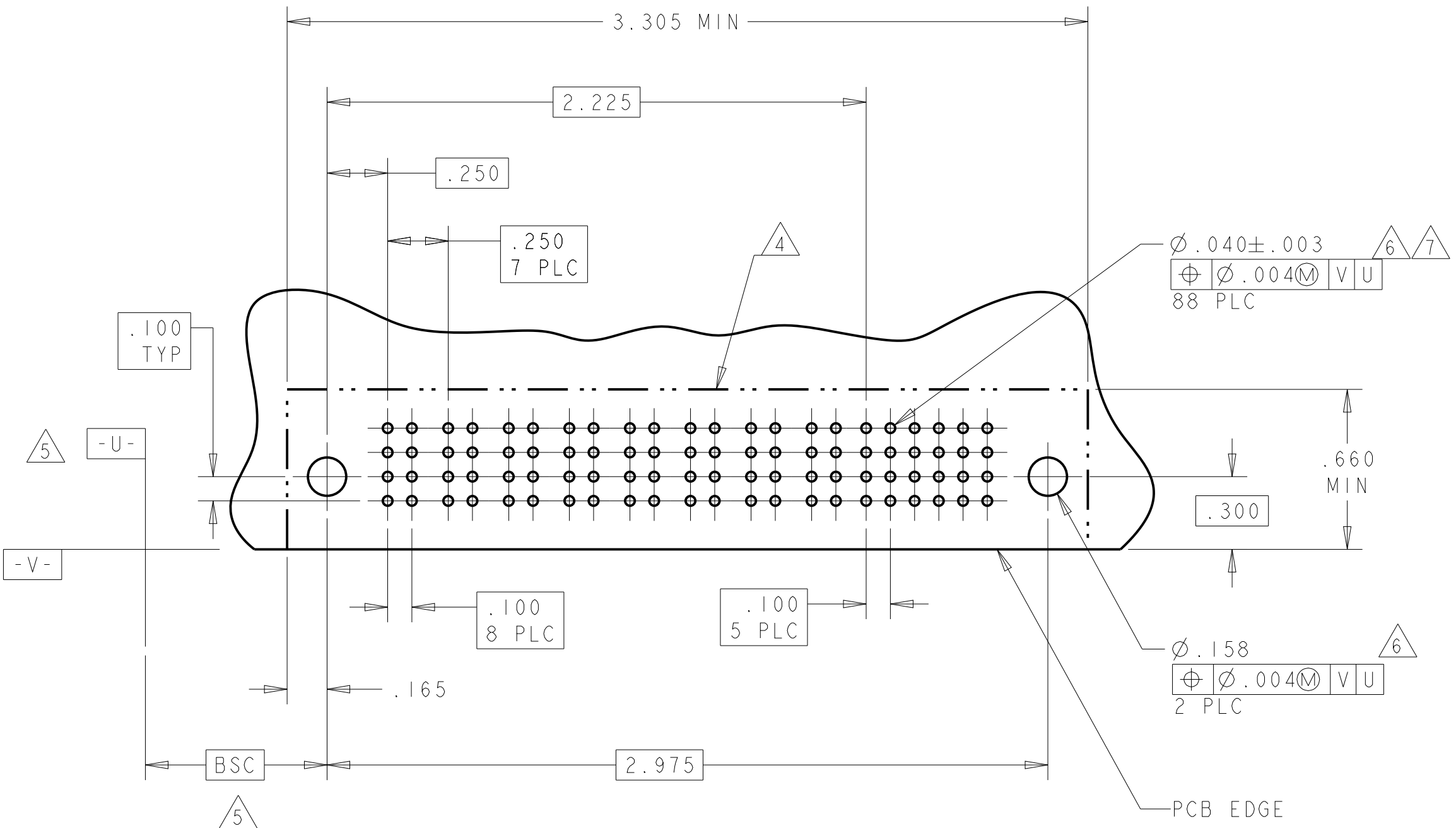
REV
H6

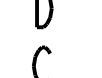
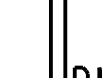
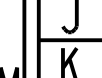
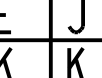
LOC		DIST		REVISIONS			
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

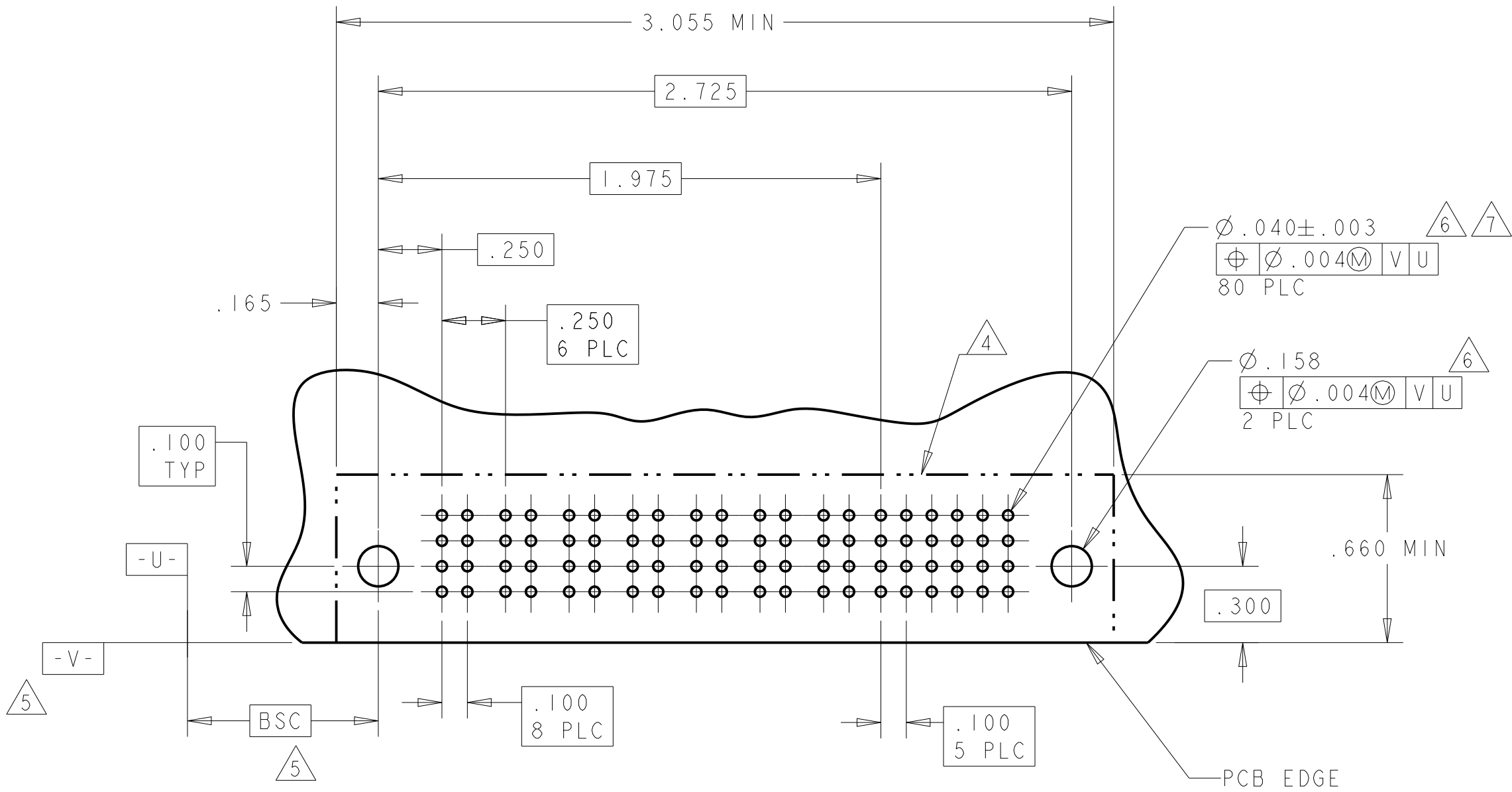
ASSY PART NUMBER	ROWS		POWER														SIGNAL																																																																																																																																																																																																																																																																																																																						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	1	2	3	4	5	6	7																																																																																																																																																																																																																																																																																																																
6450332-2	D C B A																																																																																																																																																																																																																																																																																																																																						



PART NUMBER	ROWS		POWER								SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	
6450332-3	D C B A									J	J	J	J	E	E		
										K	K	K	K	F	F		
										N	N	N	N	G	G		
										S	S	S	S	H	H		
8P + 24S																	



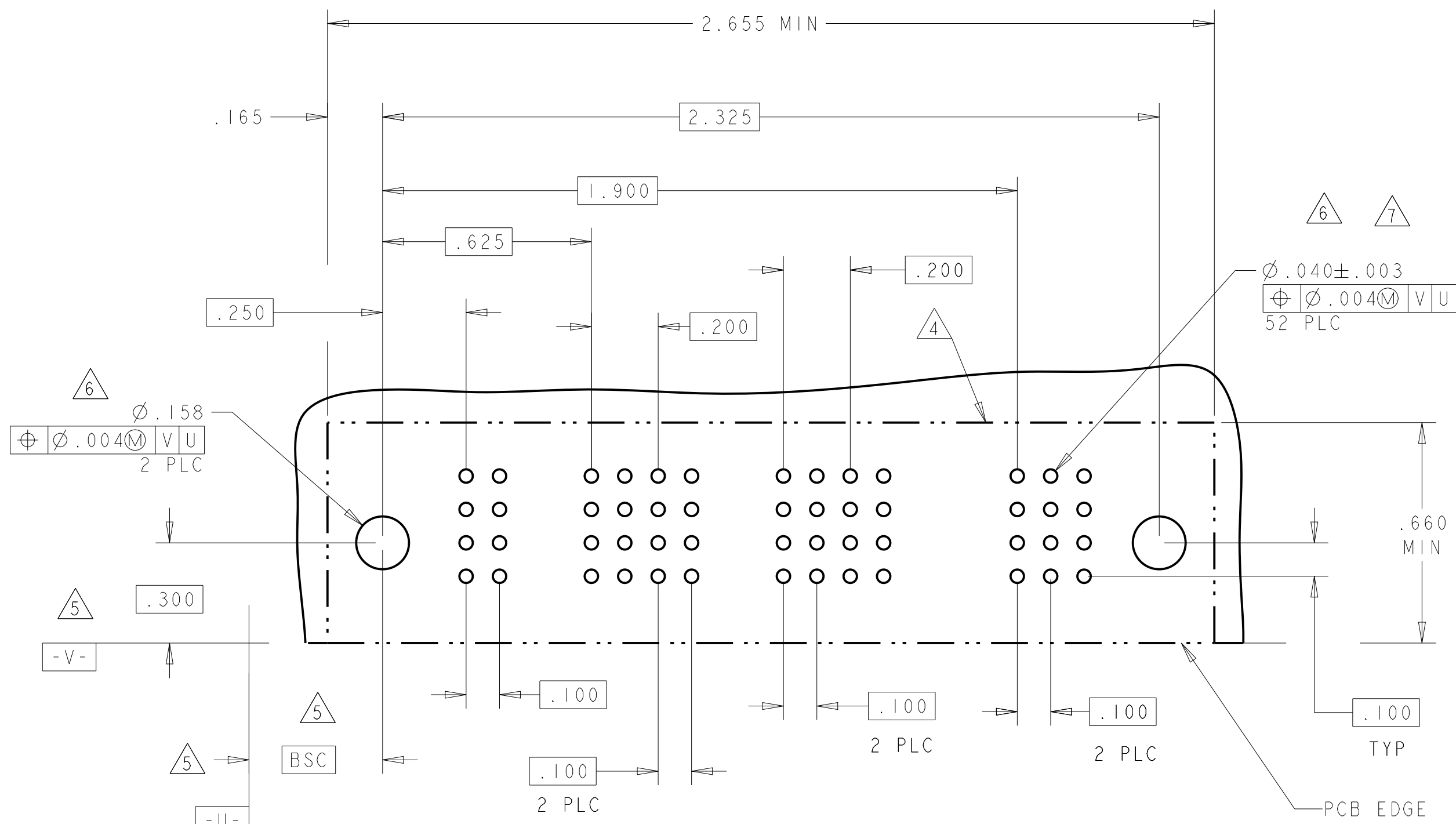
PART NUMBER	ROWS		POWER							SIGNAL						
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6450332-4	D C B A															
7P + 24S																

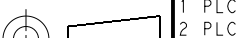


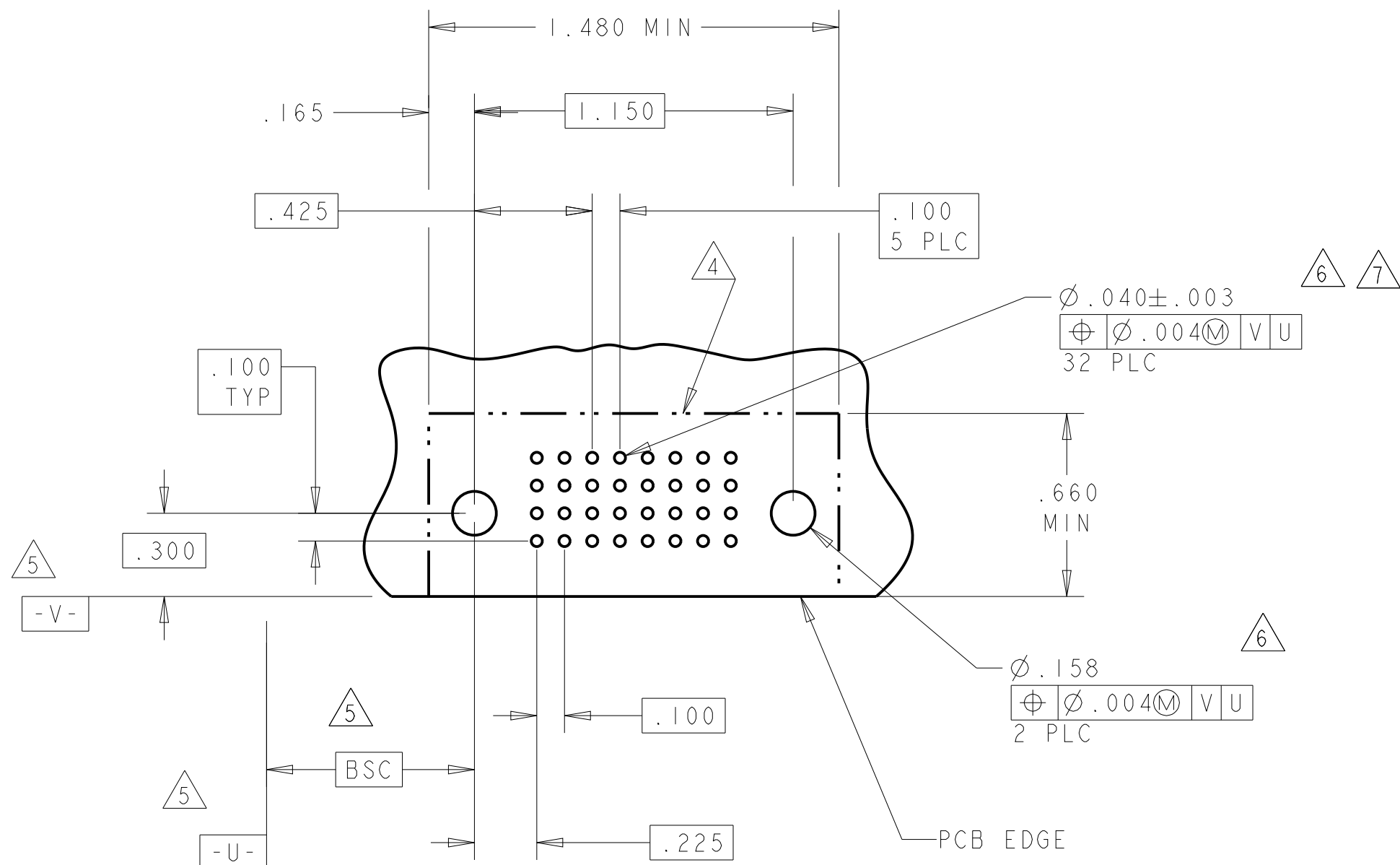
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Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL CONTACT			

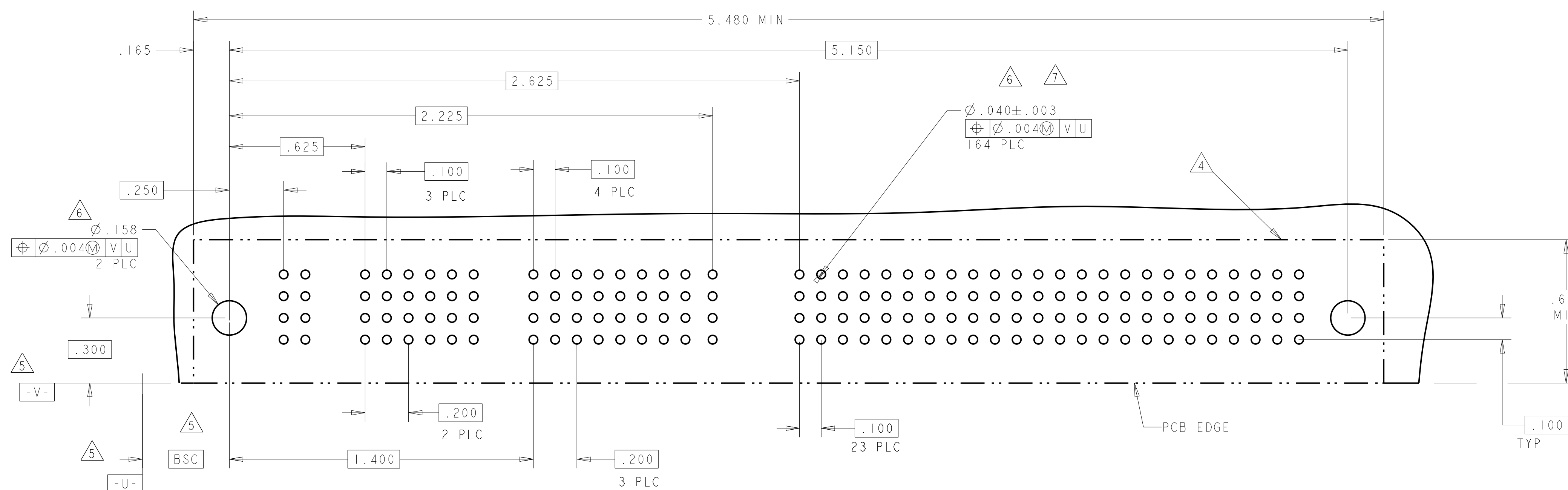
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PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

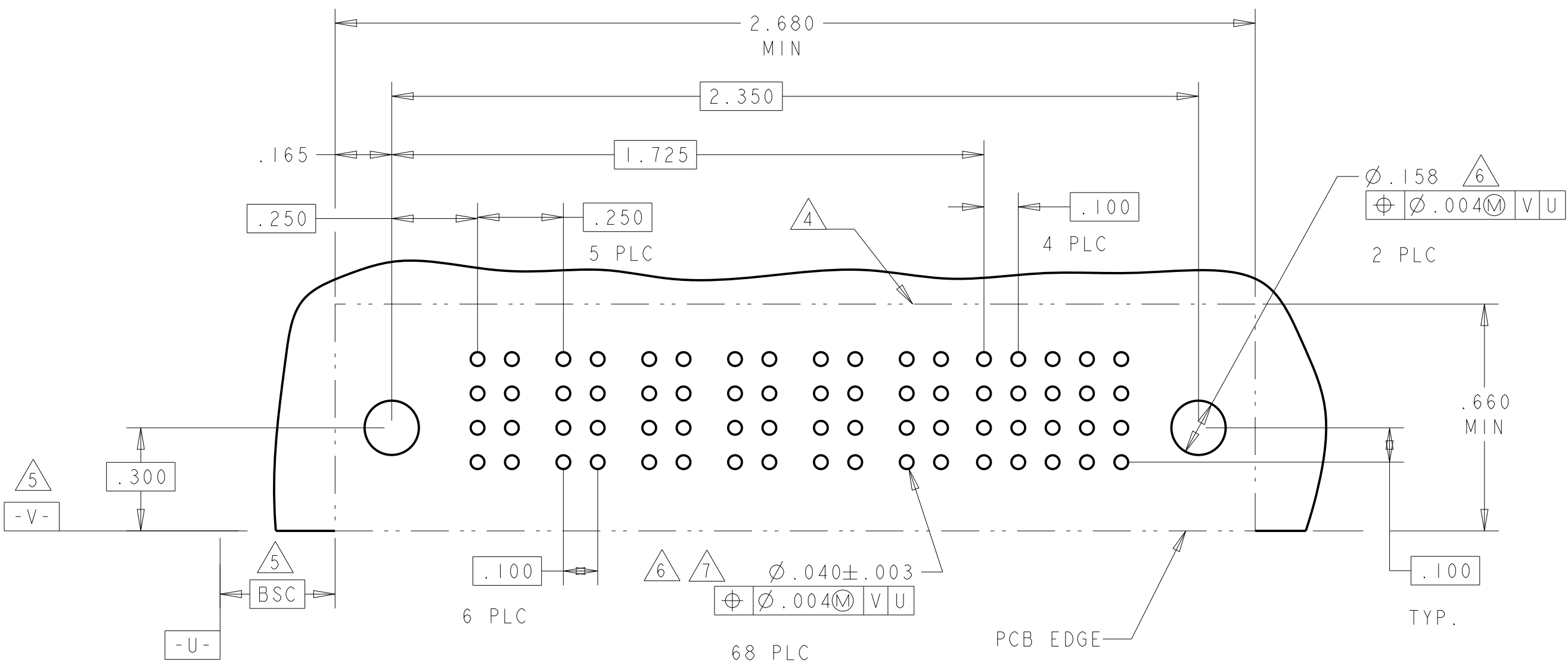
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 24JAN05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 24JAN05	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
0 PLC ±.01		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
1 PLC ±.01		APPLICATION SPEC	RESTRICTED TO	
2 PLC ±.01		108-1973	A100779C=6450332	
3 PLC ±.01		114-13038	SCALE 4:1 SHEET 3 OF 13 REV H6	
4 PLC ±.0020		WEIGHT		
ANGLES ±2°		CUSTOMER DRAWING		
FINISH				

[illegible]

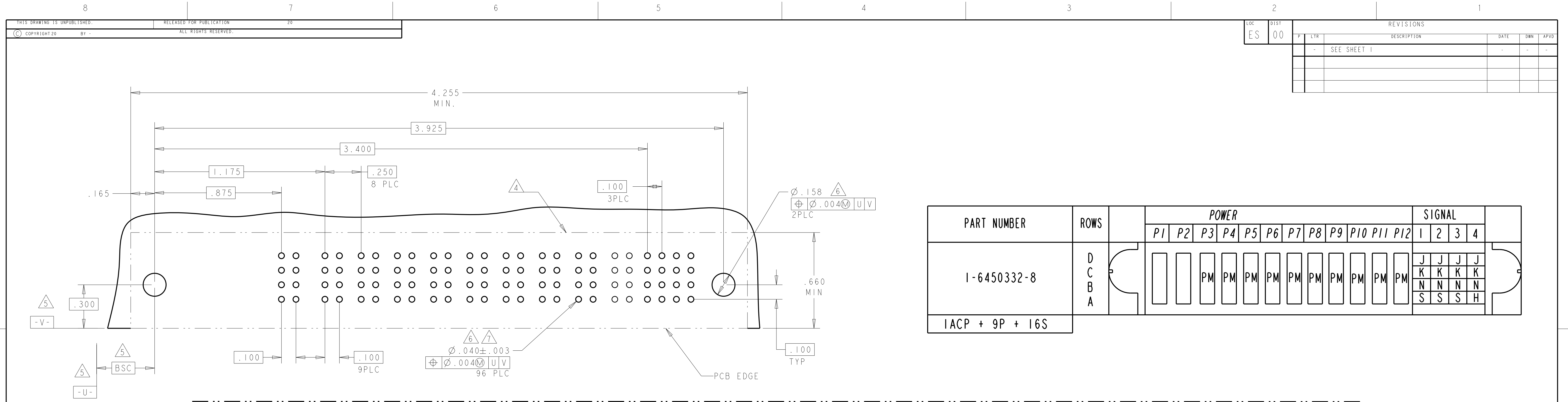
THIS DRAWING IS A CONTROLLED DOCUMENT.				DWG N. GRZYBOWSKI 24JAN05			
DIMENSIONS: INCHES 				CHK M. PERCHERRE 24JAN05		 TE Connectivity	
				EXPD M. PERCHERRE		NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
				PRODUCT SPEC 108-1973		-	
				APPLICATION SPEC 114-13038		-	
TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTION DECIMAL 0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±°				SIZE CAGE CODE DRAWING NO		RESTRICTED TO	
MATERIAL -		FINISH -		WEIGHT -		A100779C6450332 -	
CUSTOMER DRAWING				SCALE 4:1		SHEET 4 OF 13	
				REV H6			

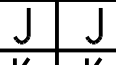


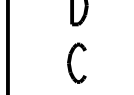
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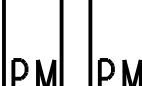
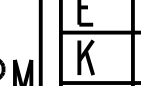


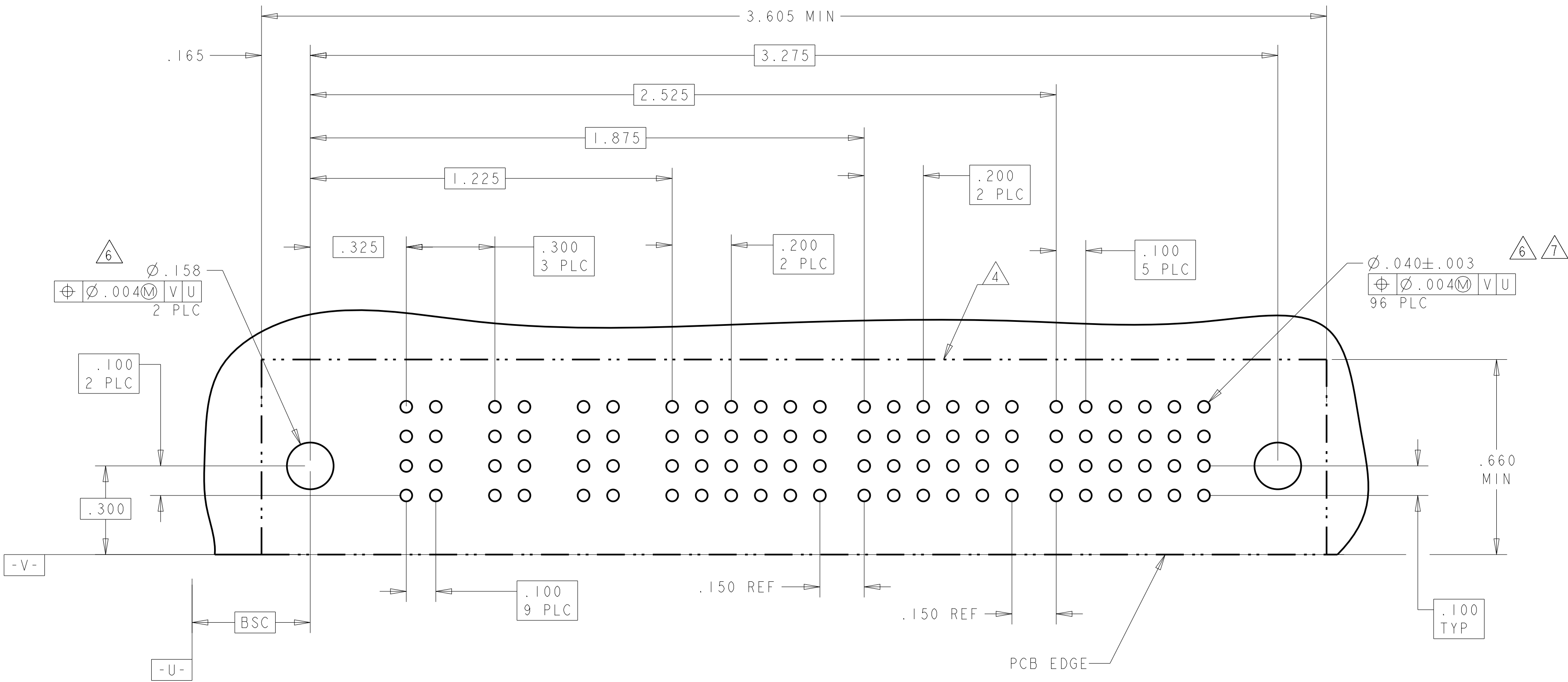
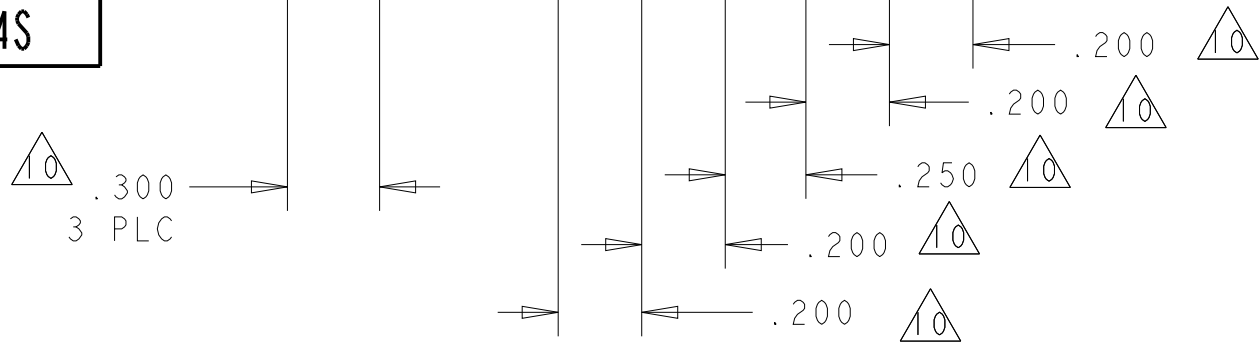
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN Z. GRZYBOWSKI 24JAN05		 TE Connectivity	
		CHN M. PERCHERRE 24JAN05			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.1 1 PLC ±.05 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±2°		NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL - - -	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT -		SIZE CAGE CODE DRAWING NO A100779C-6450332 RESTRICTED TO -	
MATERIAL - FINISH -		CUSTOMER DRAWING		SCALE 4:1 SHEET 6 OF 13 REV H6	



PART NUMBER	ROWS		POWER												SIGNAL				
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	1	2	3	4	
1-6450332-8	D C B A																		
IACP + 9P + 16S																			

PART NUMBER	ROWS		POWER									SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	
6450332-9	D C B A																	
3ACP + 6P + 24S																		

PART NUMBER	ROWS		POWER									SIGNAL																																																																																																																																																																																																																																																																																															
			P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6																																																																																																																																																																																																																																																																																										
2-6450332-3	D C B A																																																																																																																																																																																																																																																																																																										



PART NUMBER 6450332-9 & 2-6450332-3 PCB LAYOUT

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 ±.2°

FINISH

OWN: R. GRZYBOWSKI 24JAN05

CHK: M. PERCHERKE 24JAN05

APVD: M. PERCHERKE

PRODUCT SPEC: 108-1973

APPLICATION SPEC: 114-13038

WEIGHT: -

CUSTOMER DRAWING

NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL

SIZE: A1

CAGE CODE: 00779

DRAWING NO: 6450332

RESTRICTED TO: -

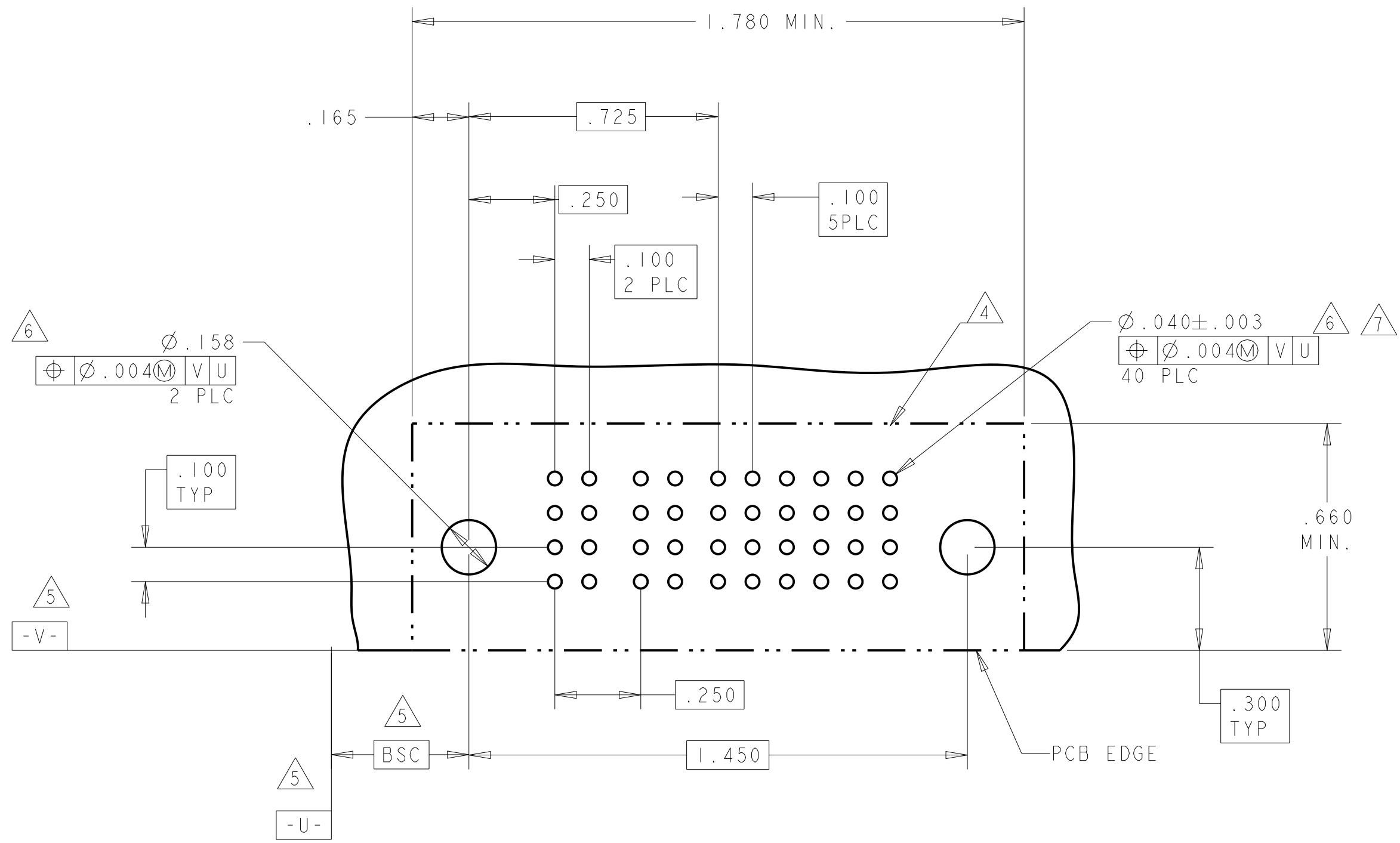
SCALE: 4:1

SHEET: 7

OF: 13

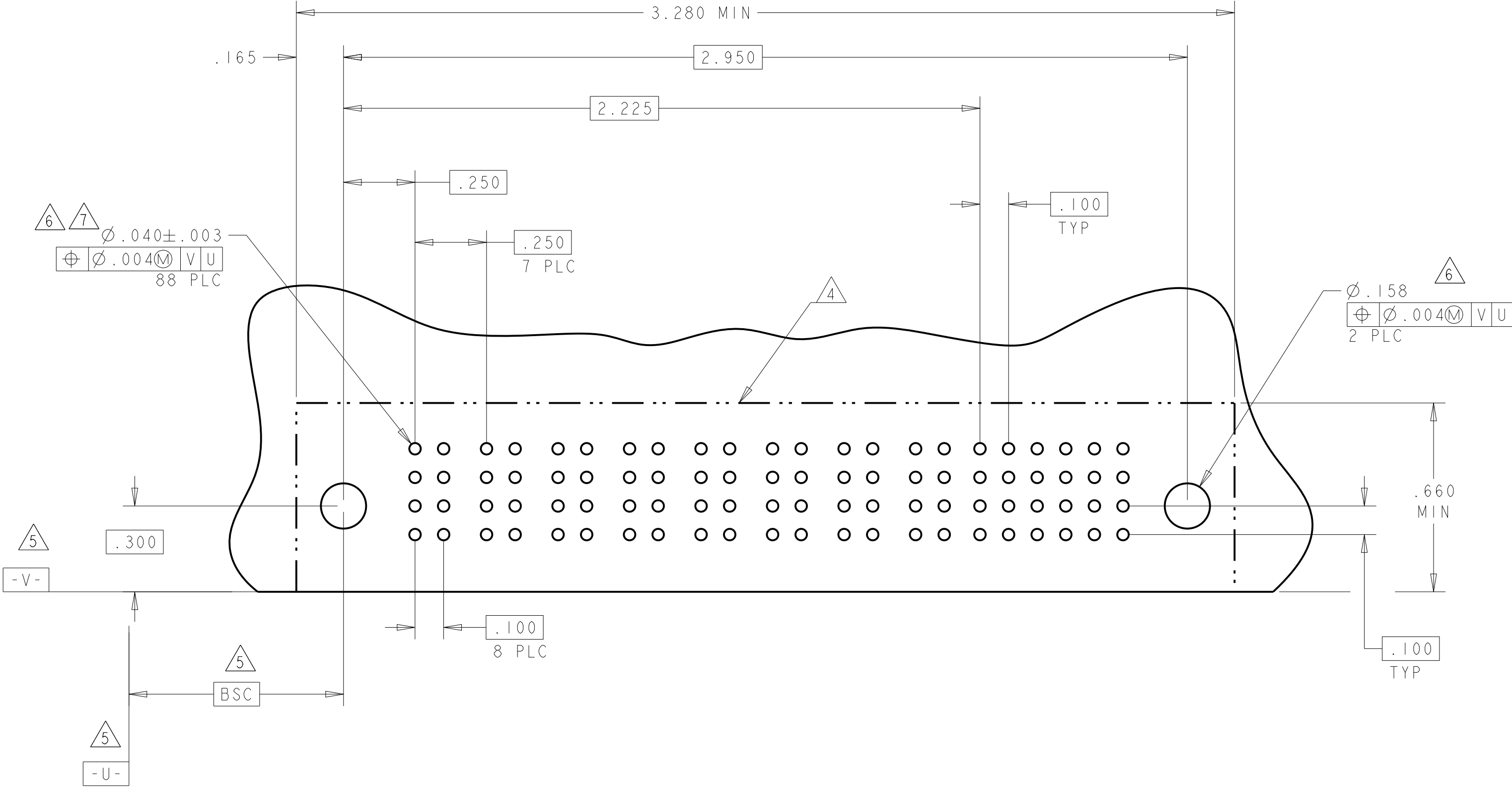
REV: H6

4805 (3/11)

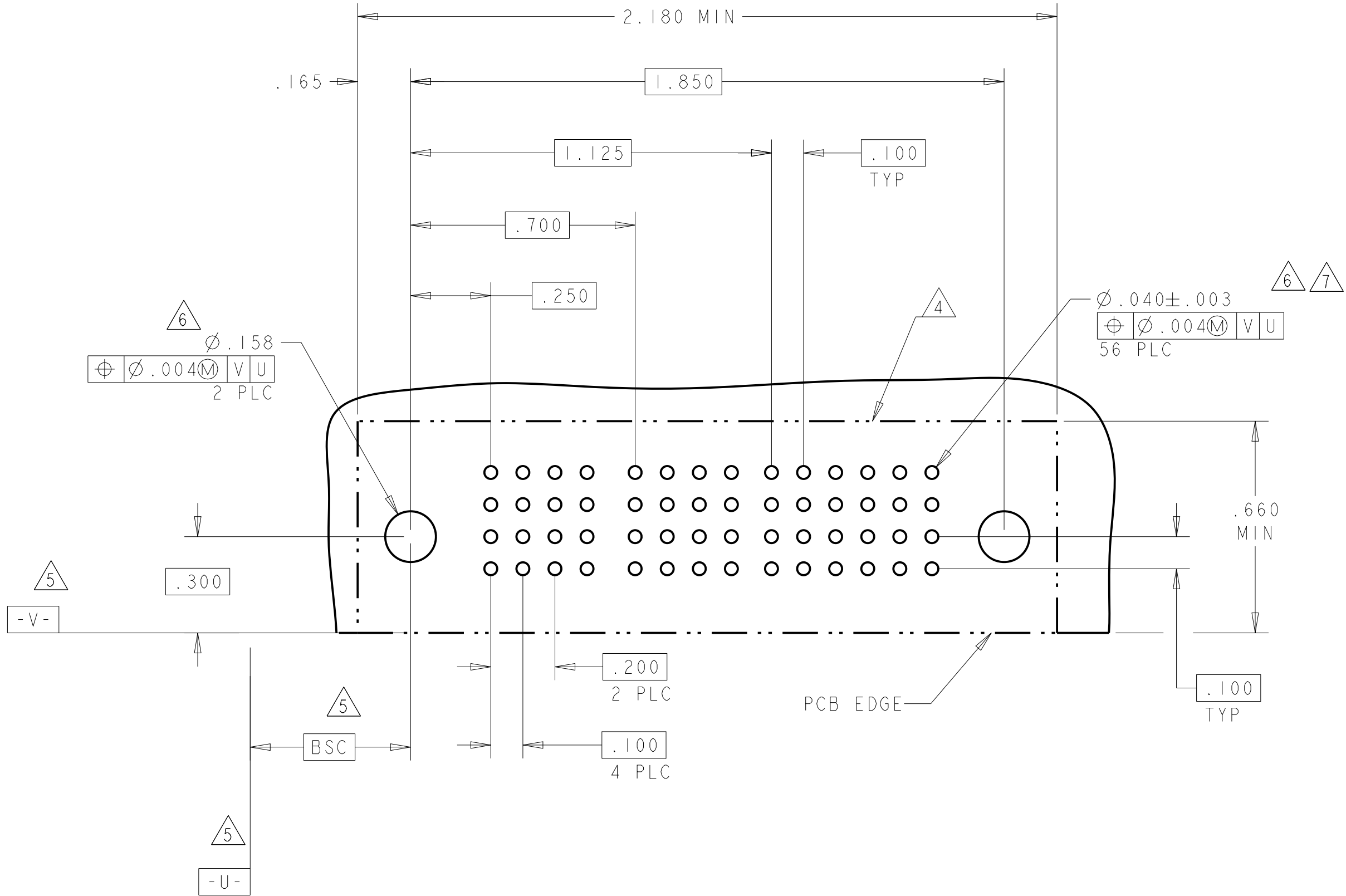
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LOC		DIST		REVISONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	

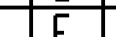
PART NUMBER	ROWS		POWER								SIGNAL							
			P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6		
2-6450332-4	D C B A			PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	E	E	
												K	K	K	K	F	F	
												N	N	N	N	G	G	
												S	S	S	S	H	H	
8P + 24S																		

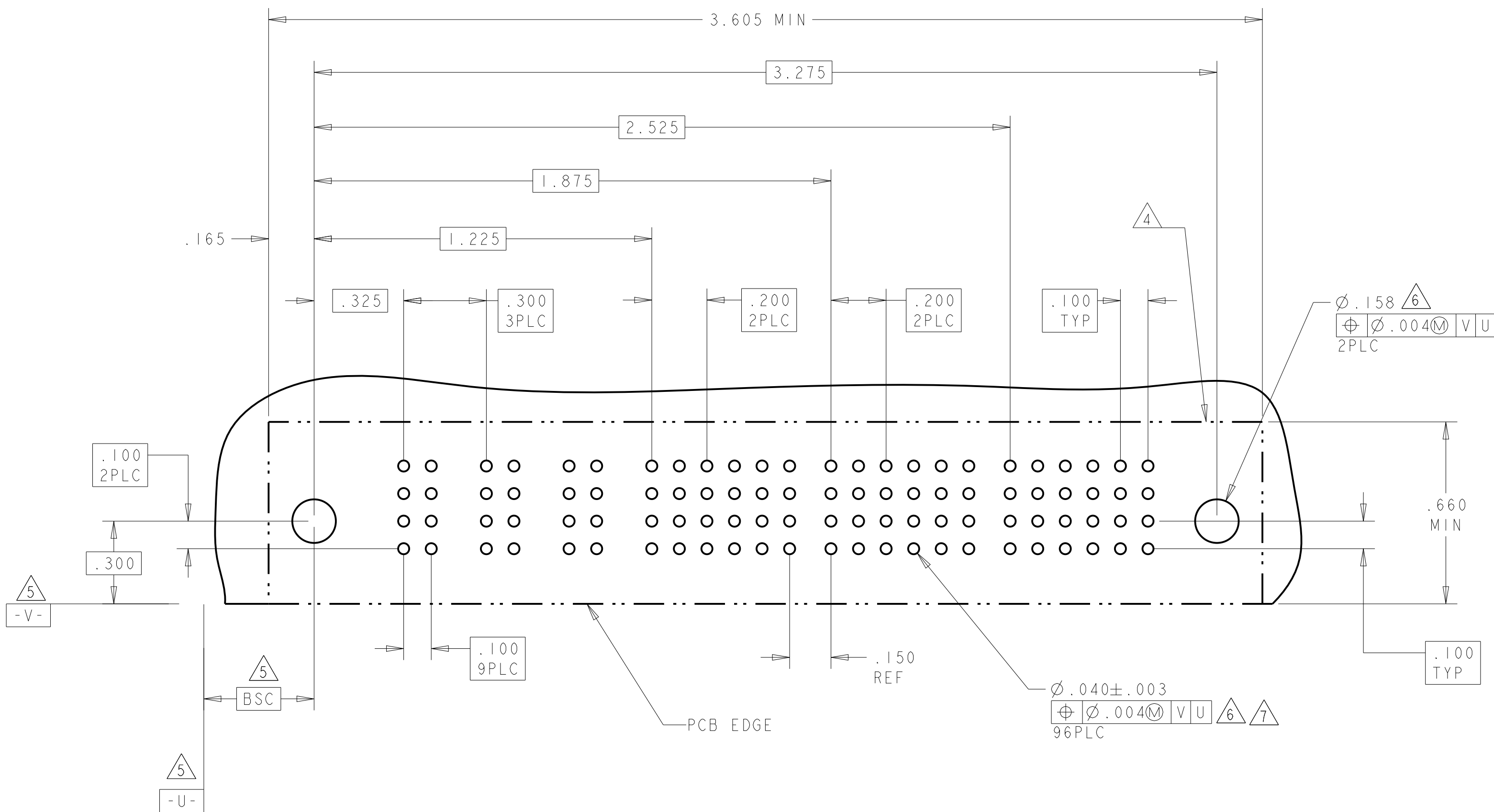


PART NUMBER	ROWS		POWER				SIGNAL							
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2-6450332-5	D C B A			PM	PM	PM	PM	E	E	E	E	E	E	
								K	F	F	F	F	F	
								N	G	G	G	G	G	
								H	H	H	H	H	S	
4P + 24S														

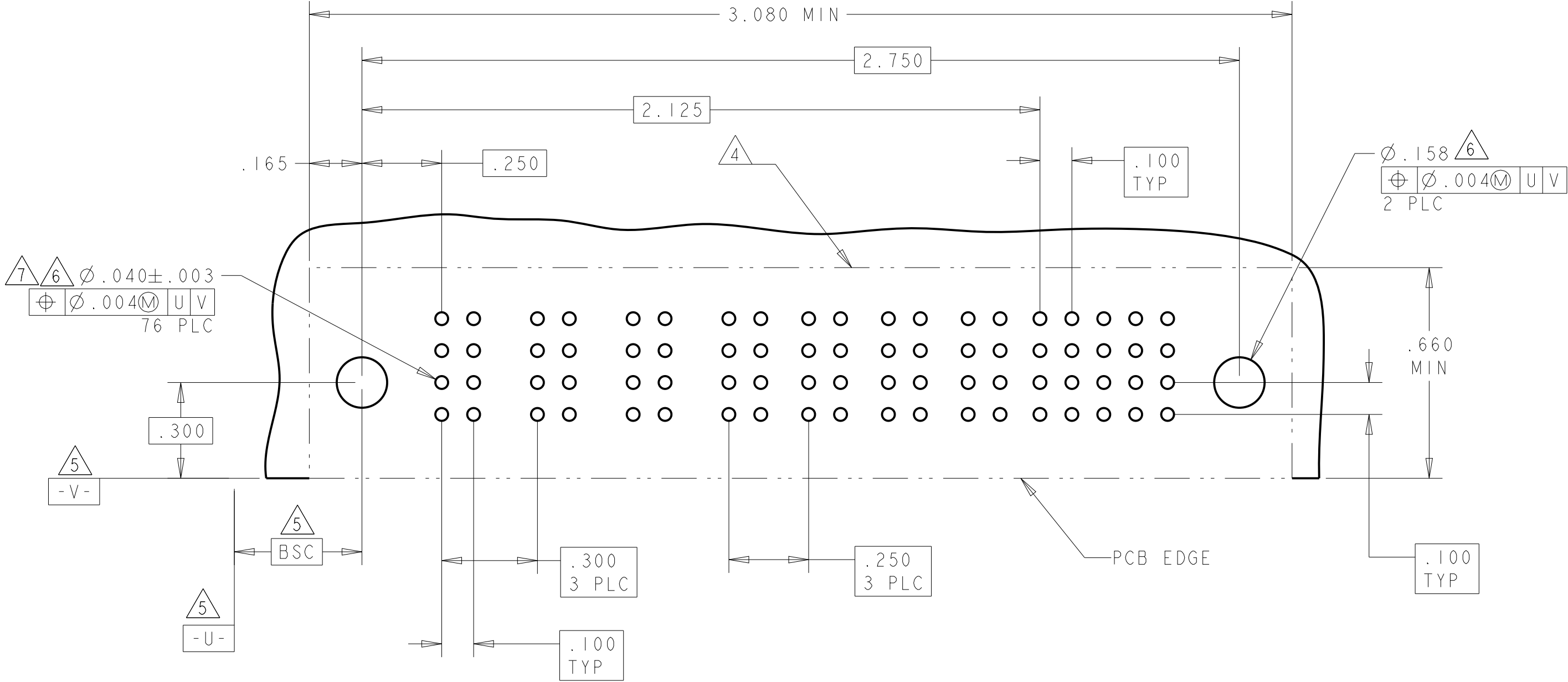
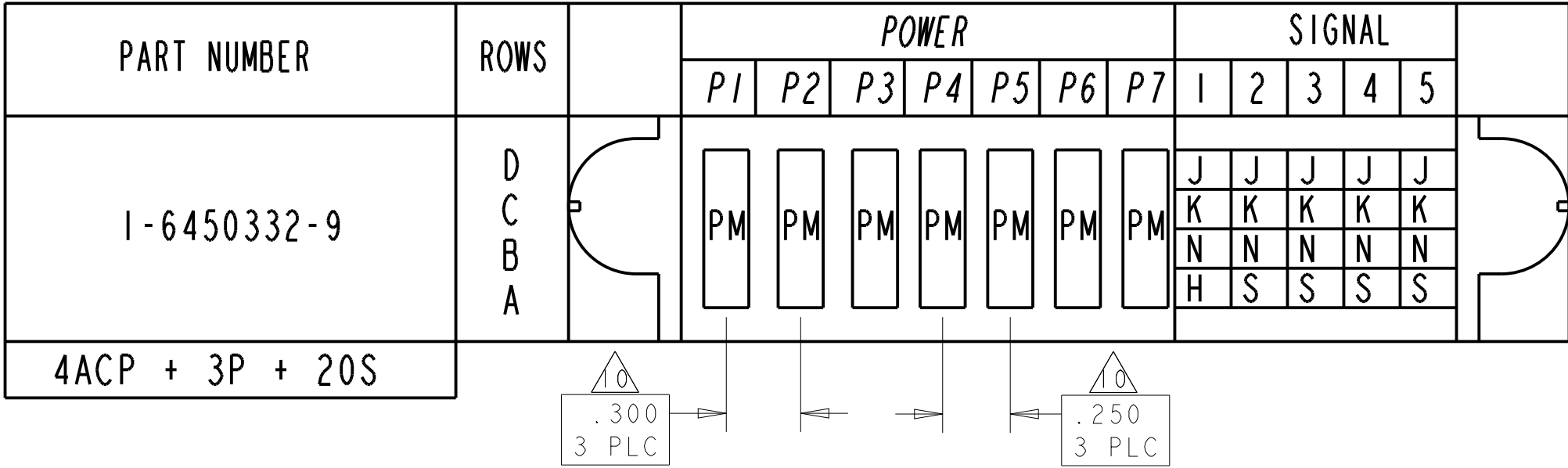


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	24JAN05 24JAN05 -
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020 FINISH	PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT
MATERIAL		CUSTOMER DRAWING	SIZE A100779
		SCALE 4:1	CAGE CODE C=6450332
		SHEET 9	OF 13
		REV H6	RESTRICTED TO

PART NUMBER	ROWS		POWER									SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	
2-6450332-8	D C B A																	
3ACP + 6P + 24S																		

4805 (3/11)

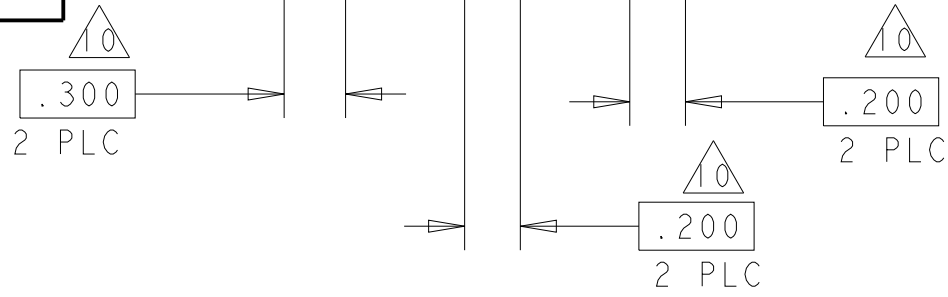
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
ES	00	-	-	SEE SHEET 1	-	-



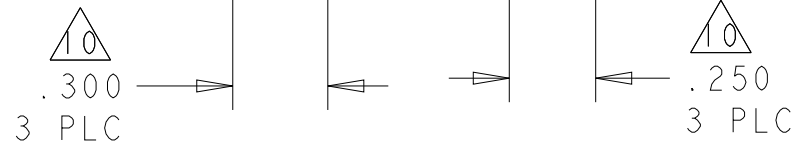
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE	24JAN05		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ±"	PRODUCT SPEC	RIGHT ANGLE SOLDER HEADER ASSEMBLY	
		1 PLC ±.01	108-1973	MULTI-BEAM XL	
		2 PLC ±.01	APPLICATION SPEC	-	
		3 PLC ±.005	114-13038	SIZE CAGE CODE DRAWING NO	
		4 PLC ±.0020	WEIGHT	A100779C=6450332	
		ANGLES ±2°	CUSTOMER DRAWING	RESTRICTED TO	
MATERIAL		FINISH	SCALE	SHEET 11 OF 13	
-		-	4:1	REV H6	

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

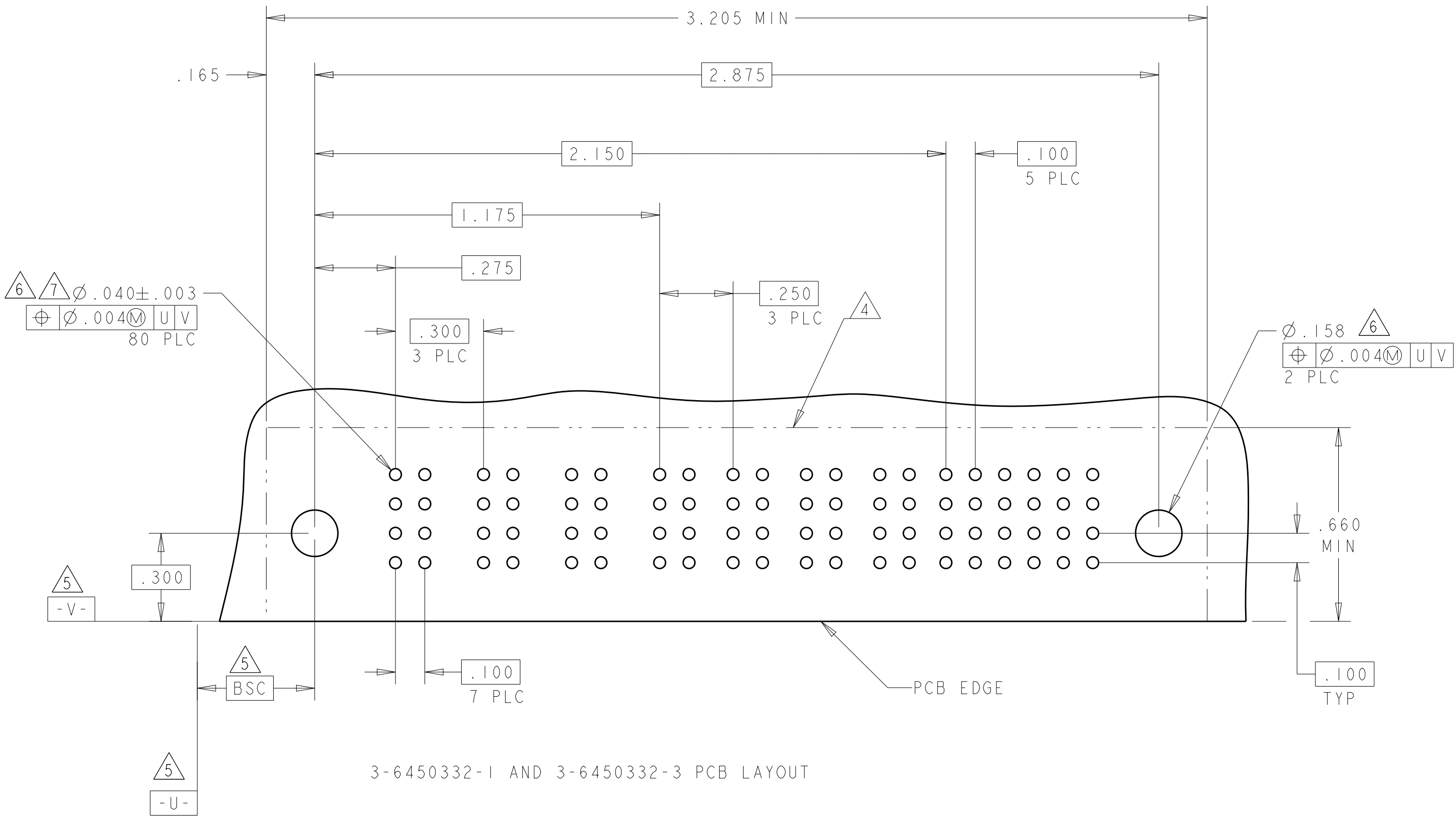
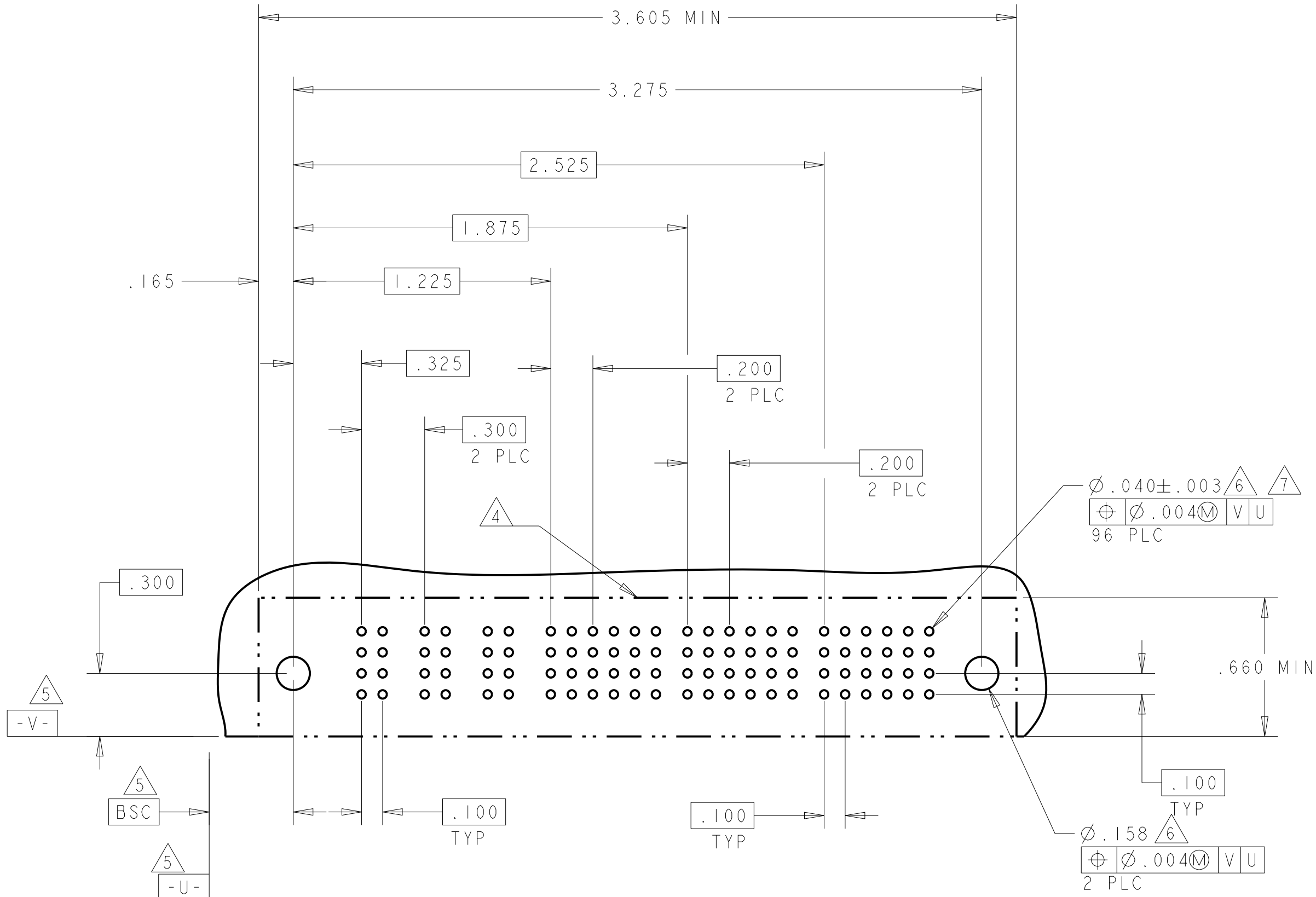
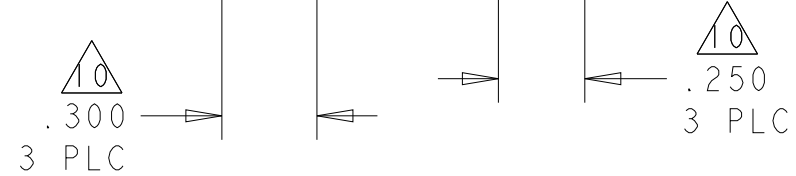
PART NUMBER	ROWS		POWER									SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	
3-6450332-0	D C B A		PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	E		
											K	K	K	K	F	F		
											N	N	N	N	G	G		
										S	S	S	S	H	S			
9P + 24S																		



PART NUMBER	ROWS	POWER							SIGNAL					
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6
		PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J



PART NUMBER	ROWS	POWER							SIGNAL					
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6
		PM	PM	PM	PM	PM	PM	PM	E	E	J	J	J	E



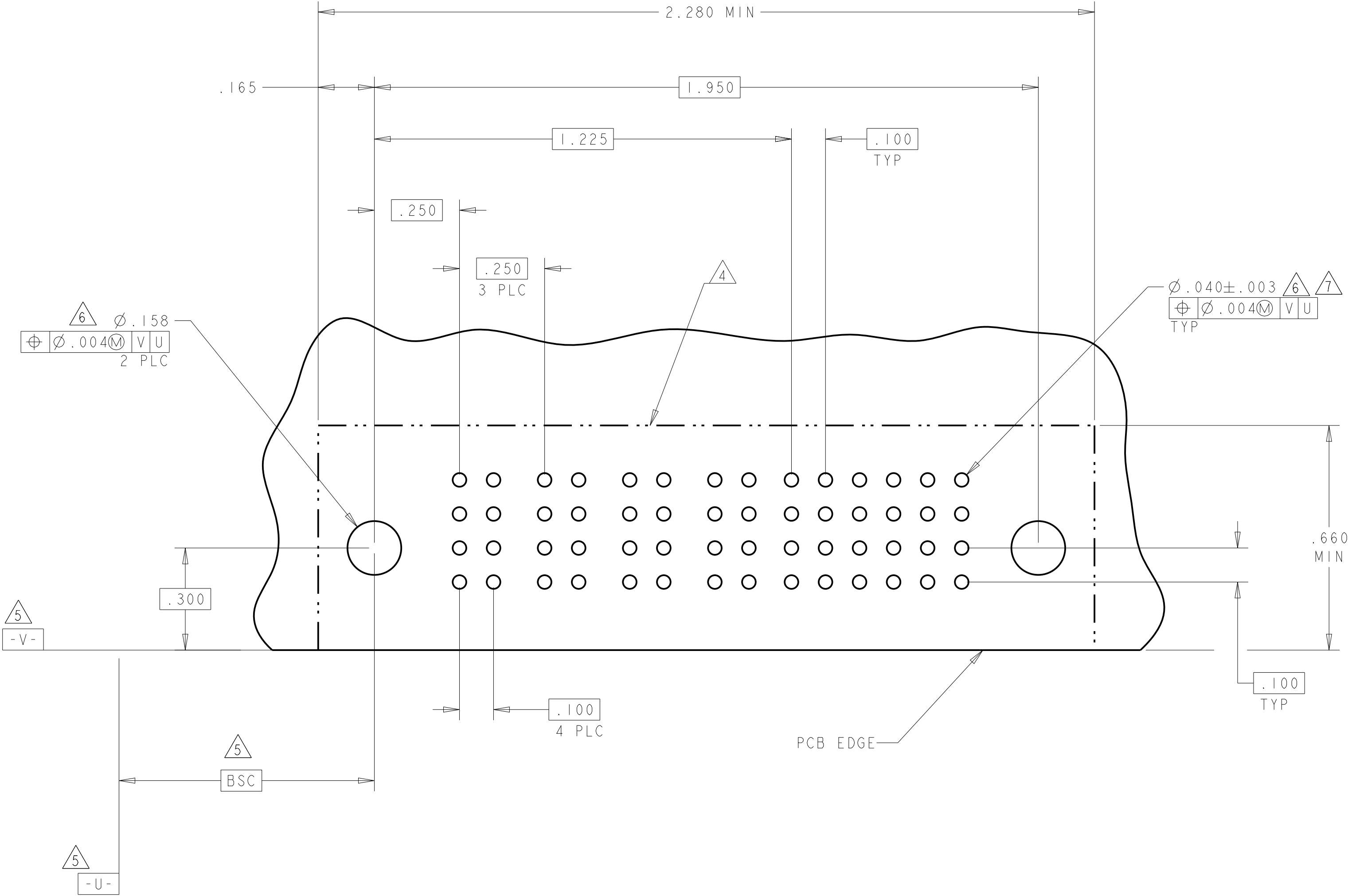
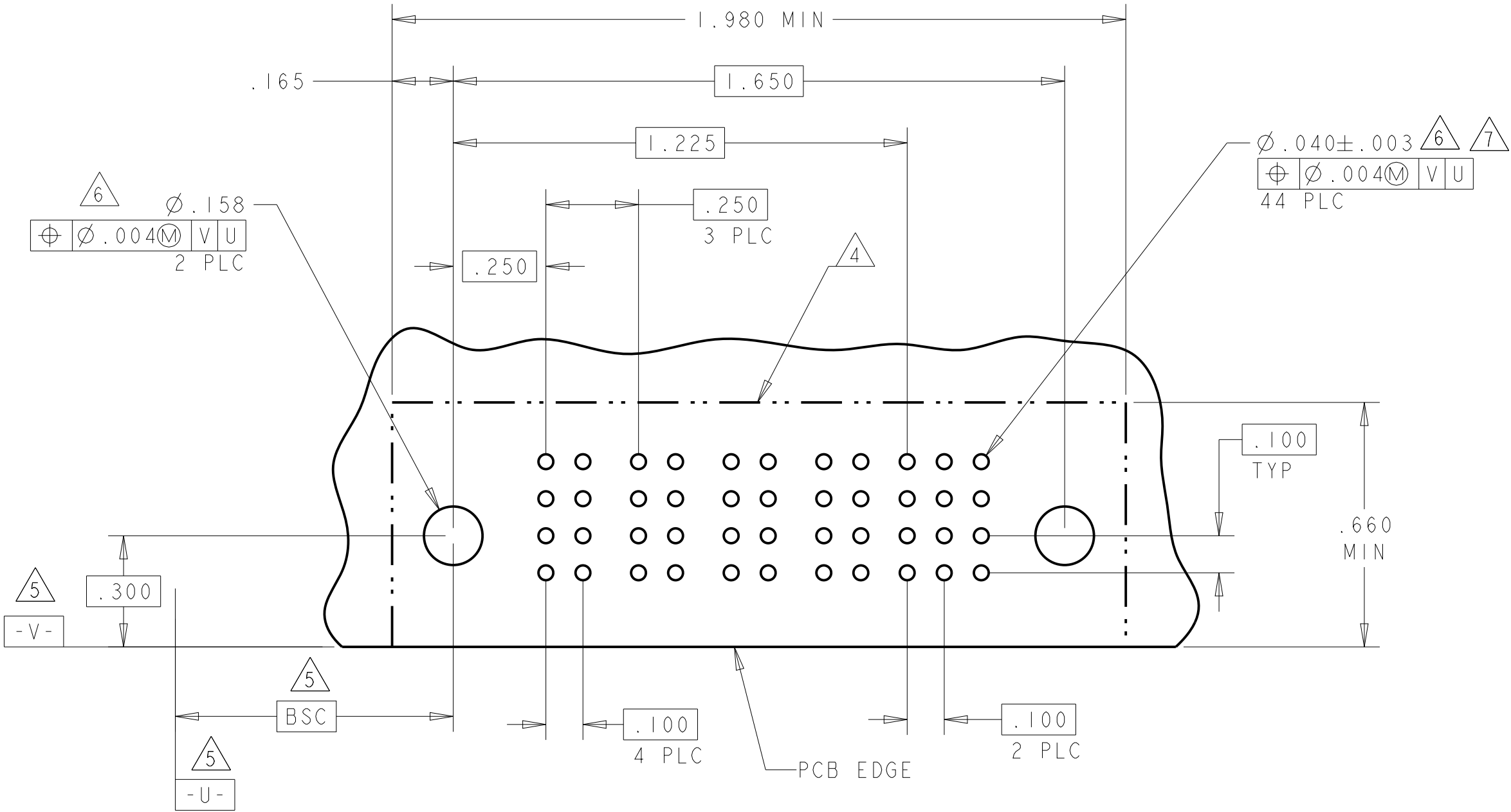
3-6450332-1 AND 3-6450332-3 PCB LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	24JAN05 24JAN05 -
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020	PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL
MATERIAL -	FINISH -	WEIGHT -	SIZE A100779
CUSTOMER DRAWING		SCALE 4:1	SHEET 12 OF 13

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

PART NUMBER	ROWS		POWER				SIGNAL			
			P1	P2	P3	P4	1	2	3	
3-6450332-2	D C B A									
4P + 12S										

PART NUMBER	ROWS		POWER				SIGNAL							
			P1	P2	P3	P4	1	2	3	4	5	6		
3-6450332-4	D C B A			PM	PM	PM	PM	E	E	J	J	J	E	
								K	F	F	F	K	F	
								N	G	G	G	N	G	
								S	H	S	S	H	H	
4P + 24S														



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN R. GRZYBOWSKI 24JAN05
CHK M. PERCHERKE 24JAN05
APVD M. PERCHERKE

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL

-

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

-

CUSTOMER DRAWING

SCALE 4:1

NAME

RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

SIZE

A1

CAGE CODE

6450332

DRAWING NO

100779

RESTRICTED TO

-

SHEET 13 OF 13

REV H6