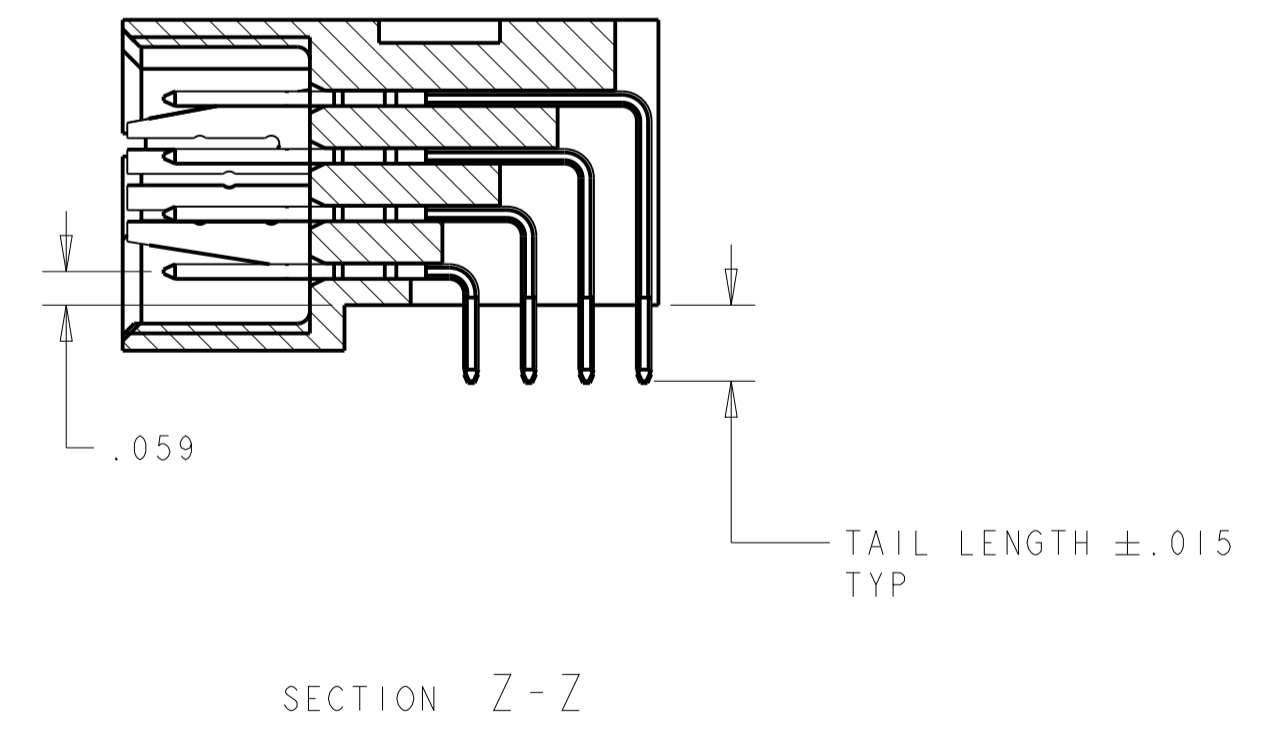
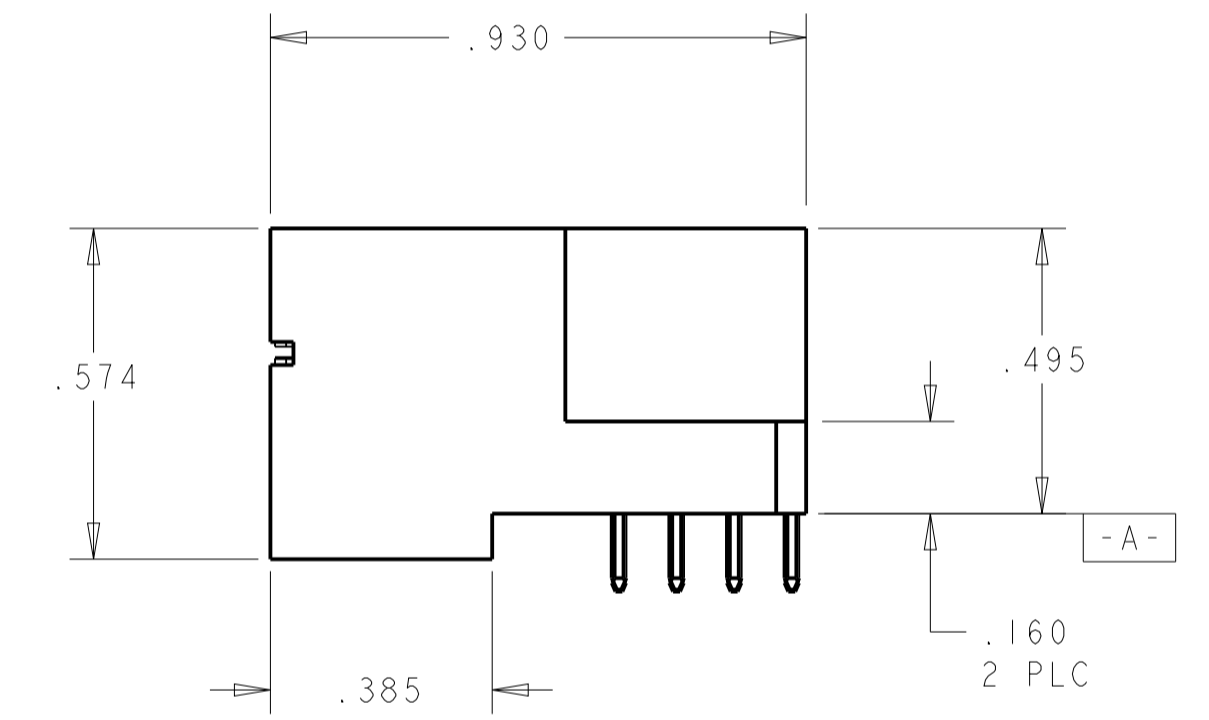
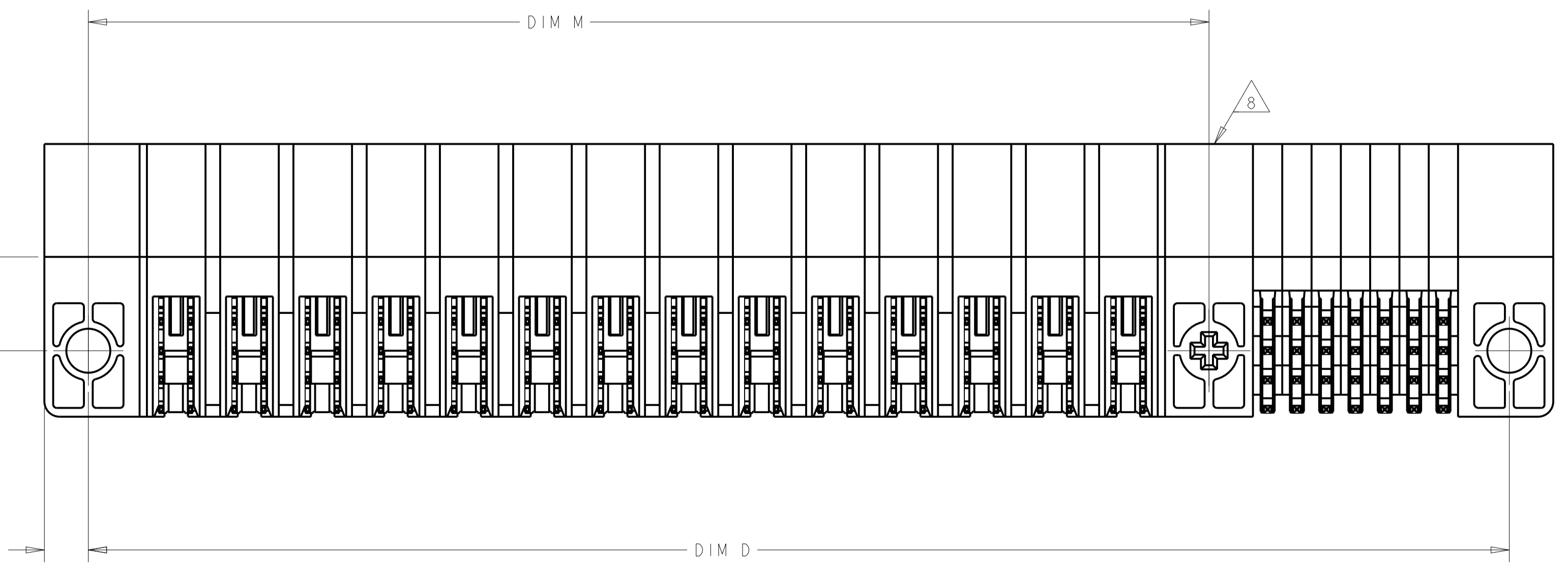
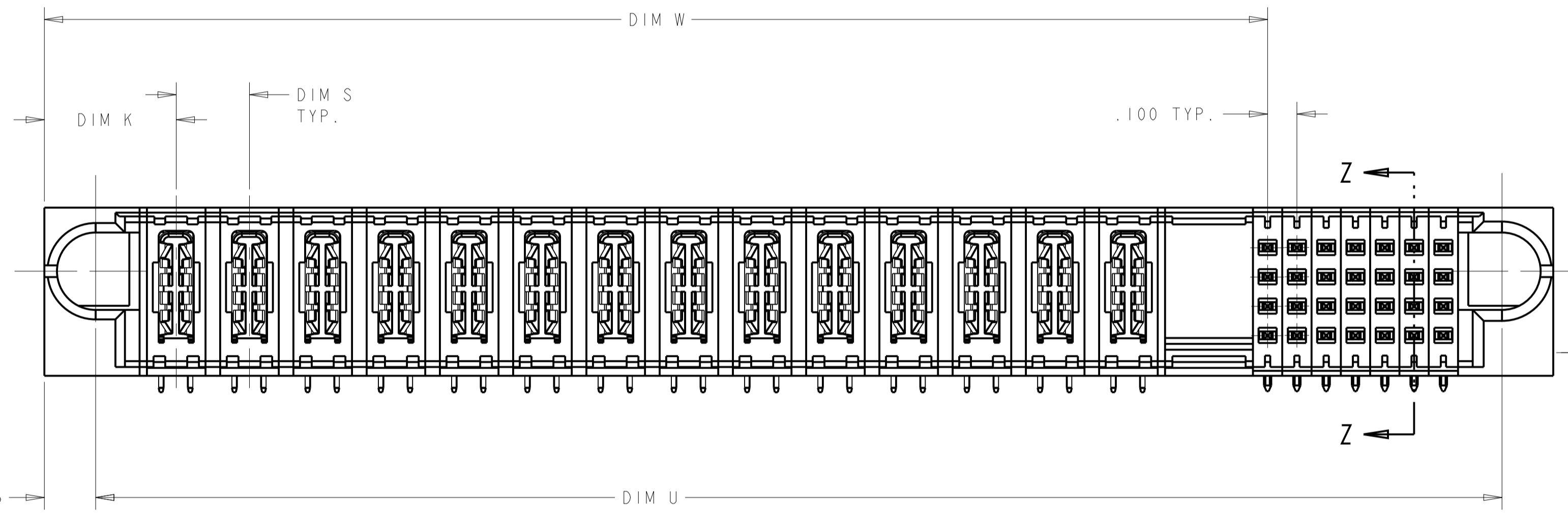
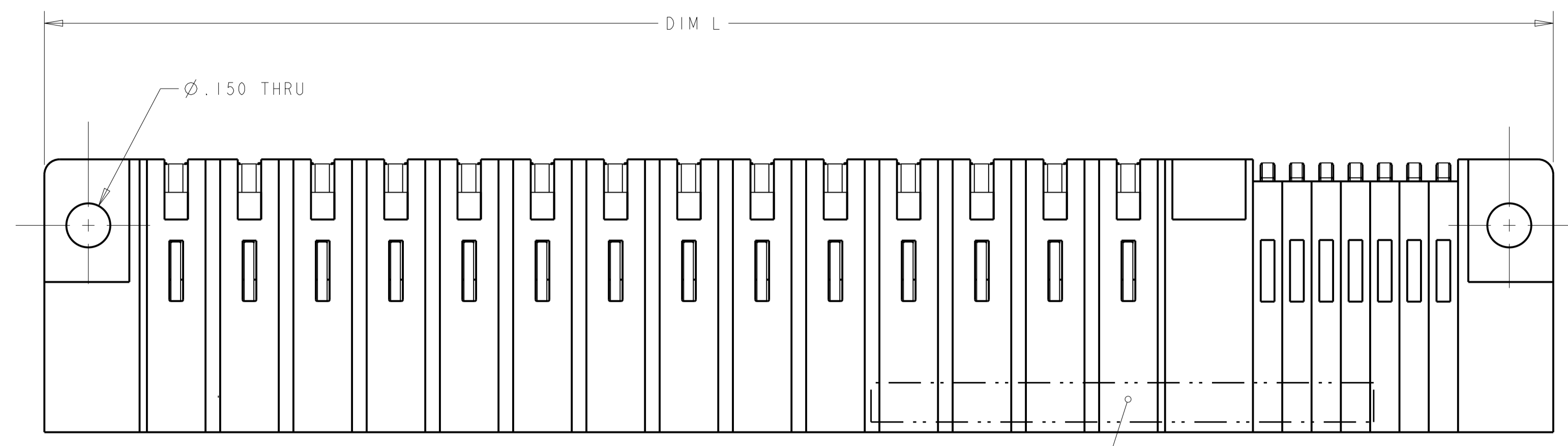


LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DWN	APVD		
	H4	ADDED DASH NUMBER -33	25FEB2013	CZ	SZ		



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 24JAN05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 24JAN05	NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	PRODUCT SPEC	
0 PLC $\pm .01$ 1 PLC $\pm .01$ 2 PLC $\pm .01$ 3 PLC $\pm .005$ 4 PLC $\pm .002$ ANGLES $\pm .020$		APPLICATION SPEC	108-1973	
MATERIAL		FINISH	RESTRICTED TO	SIZE CAGE CODE DRAWING NO
			114-13038 WEIGHT	A100779C=6450332
CUSTOMER DRAWING		SCALE 4:1	SHEET 1 OF 13	REV H6

LOC	DIST	REVISIONS			
ES	00	REV	DATE	BY	APPROV
-	-	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

DIM U	DIM S	DIM W	DIM D	DIM M	DIM L	DIM K	DESCRIPTION	PART NUMBER
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

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN R. GRZYBOWSKI 24JAN05
 CHK M. PERCHERKE 24JAN05

STE TE Connectivity

NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL

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

SIZE: A1 CAGE CODE: 6450332 DRAWING NO: 100779

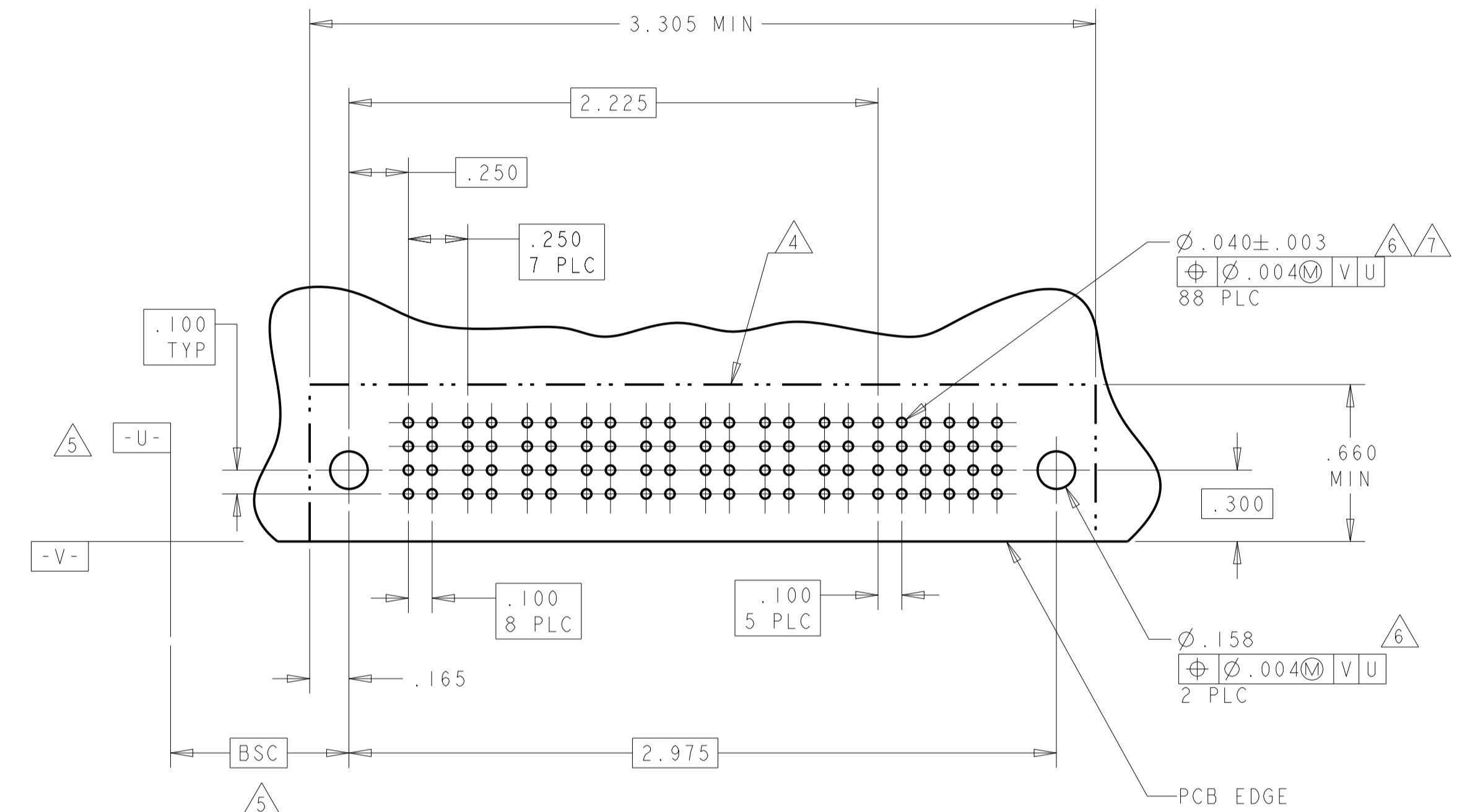
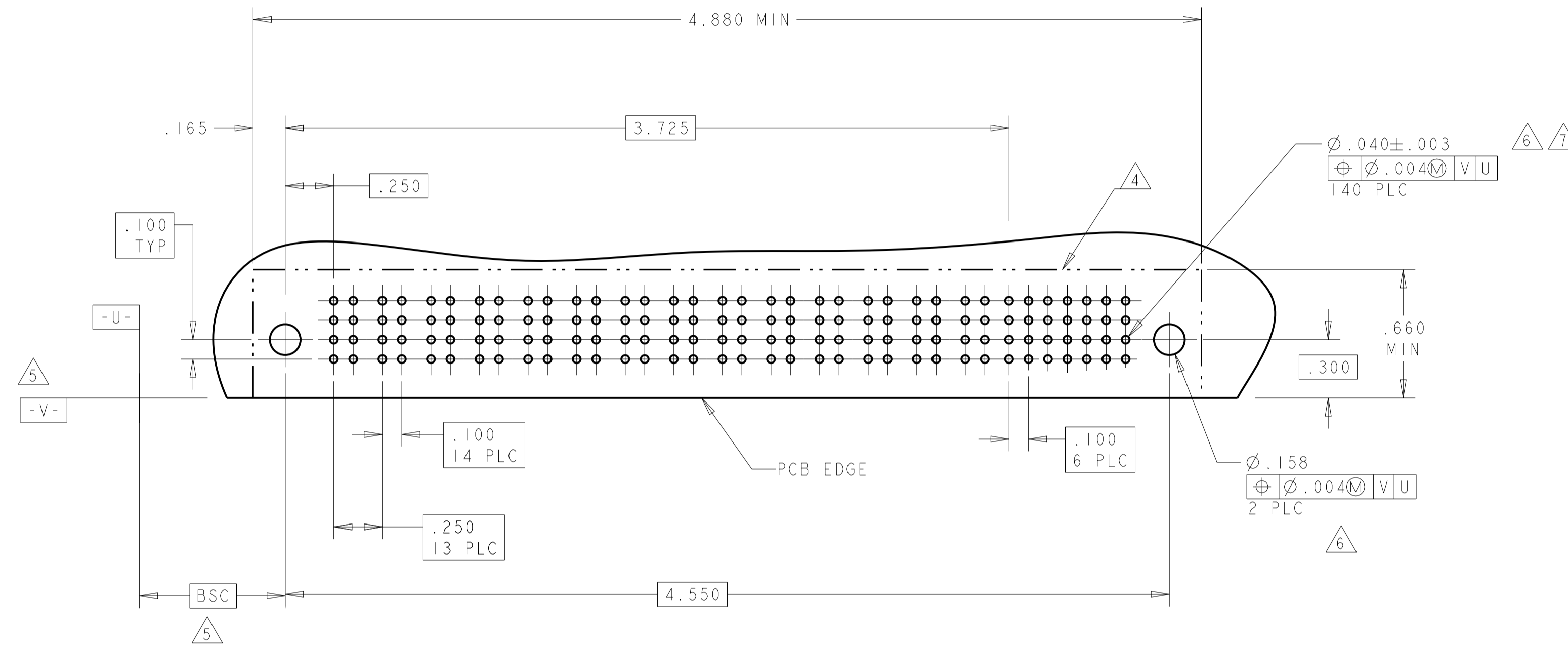
SCALE: 4:1 SHEET 2 OF 13 REV H6

CUSTOMER DRAWING

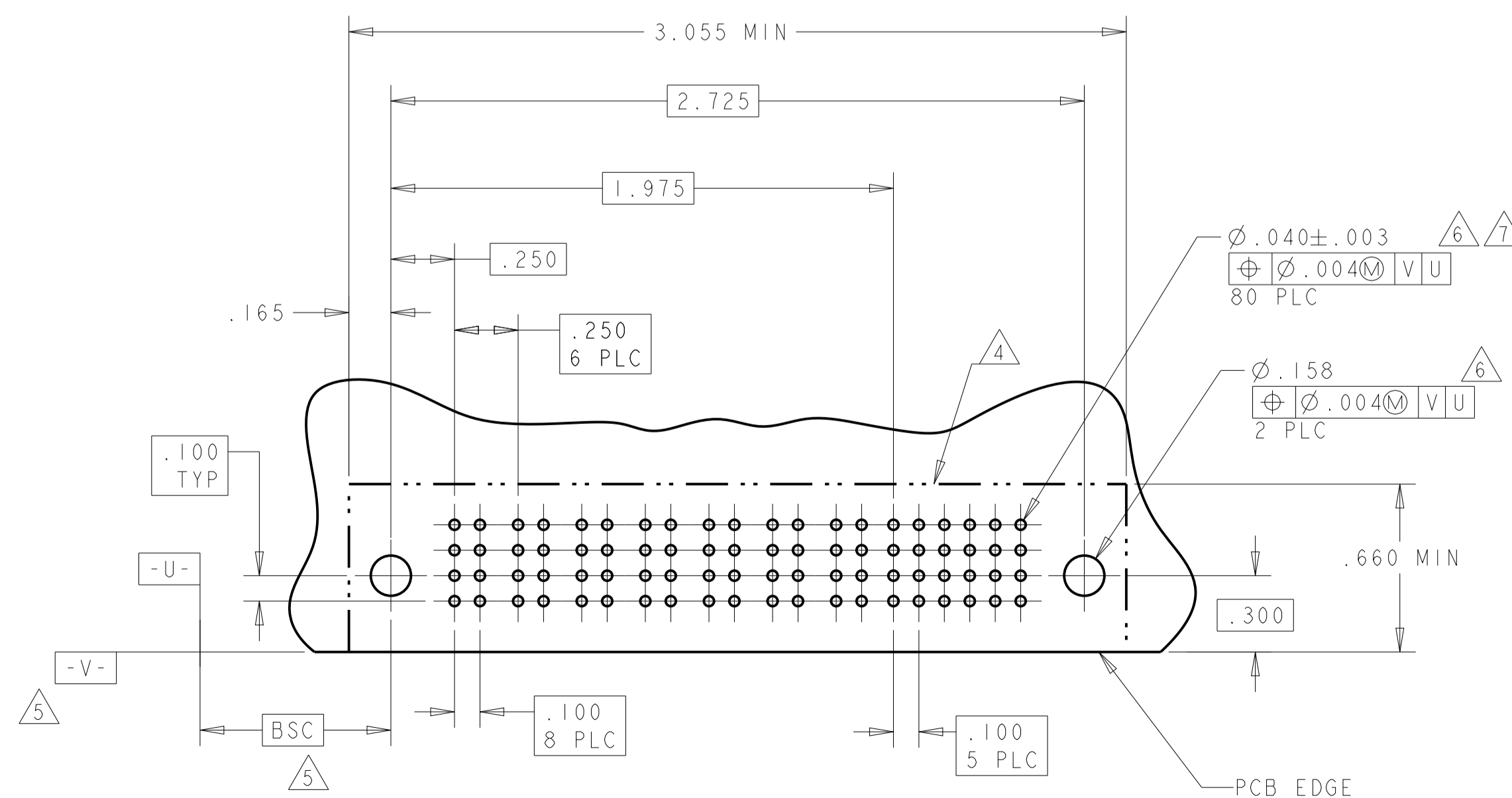
LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	OWN	APVD
-	-	SEE SHEET 1	-	-	-

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	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	E	E	E	E	E	E	E	E
14P + 28S															F	F	F	F	F	F	F	F
															G	G	G	G	G	G	G	G
															S	S	S	S	S	H	H	H

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	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	E	E
8P + 24S										K	K	K	K	F	F
										N	N	N	N	G	G
										S	S	S	S	H	H



PART NUMBER	ROWS	POWER							SIGNAL					
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6
6450332-4	D C B A	PM	PM	PM	PM	PM	PM	PM	J	J	E	J	J	J
7P + 24S									K	K	K	K	K	K
									N	N	N	N	N	N
									S	S	S	S	S	S



Z	STD	.090	D
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
POWER CONTACT			
SIGNAL CONTACT			

PA	.090
PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

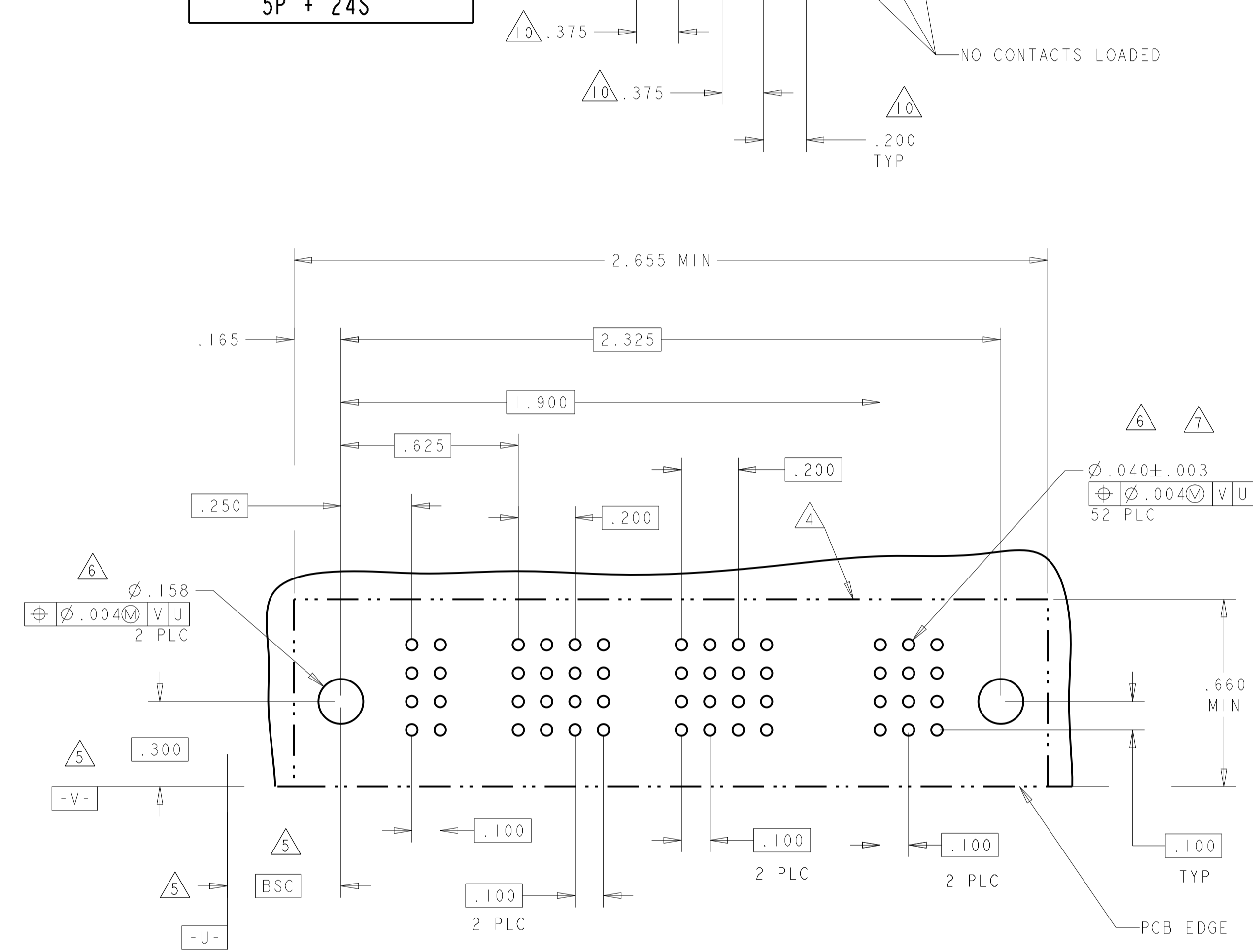
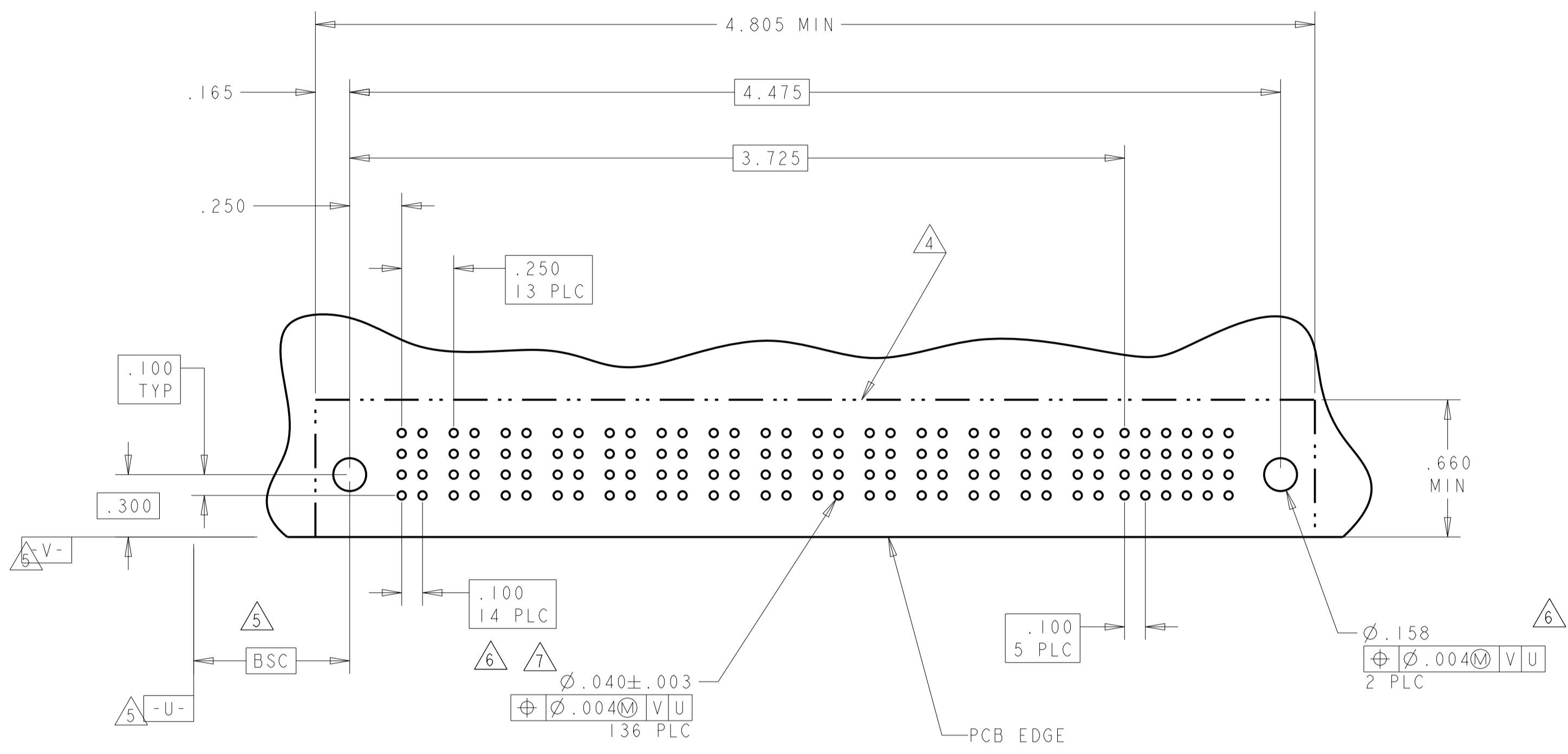
THIS DRAWING IS A CONTROLLED DOCUMENT. OWN: R. GRZYBOWSKI, 24JAN05. CHK: M. PERCHERKE, 24JAN05. APVD: M. PERCHERKE. NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL. PRODUCT SPEC: 108-1973. APPLICATION SPEC: 114-13038. WEIGHT: .114-13038. CUSTOMER DRAWING. SCALE: 4:1. SHEET 3 OF 13. REV: H6.

LOC	DIST	REV	DATE	BY	APPV
ES	00				

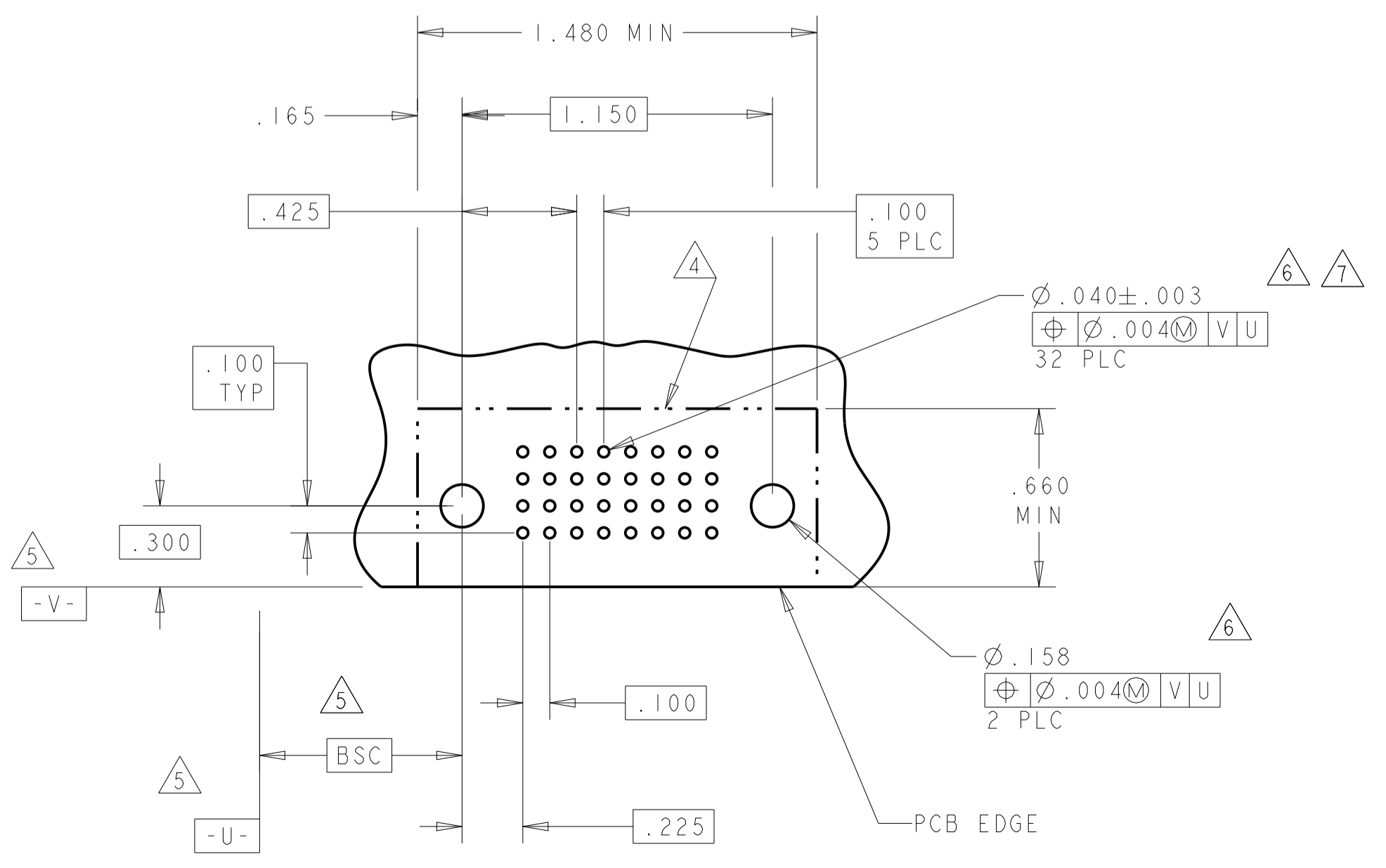
REVISIONS		DATE	BY	APPV
1	SEE SHEET 1			

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
6450332-5	D														E	E	E	E	E	E	
	C														F	F	F	F	F	F	
	B														G	G	G	G	G	G	
	A														H	H	S	S	H	H	
14P + 24S																					

PART NUMBER	ROWS	POWER					SIGNAL							
		P1	P2	P3	P4	P5	1	2	3	4	5	6		
1-6450332-2	D													
	C									J	J	J		
	B									K	K	K		
	A									N	N	N		
5P + 24S		NO CONTACTS LOADED												



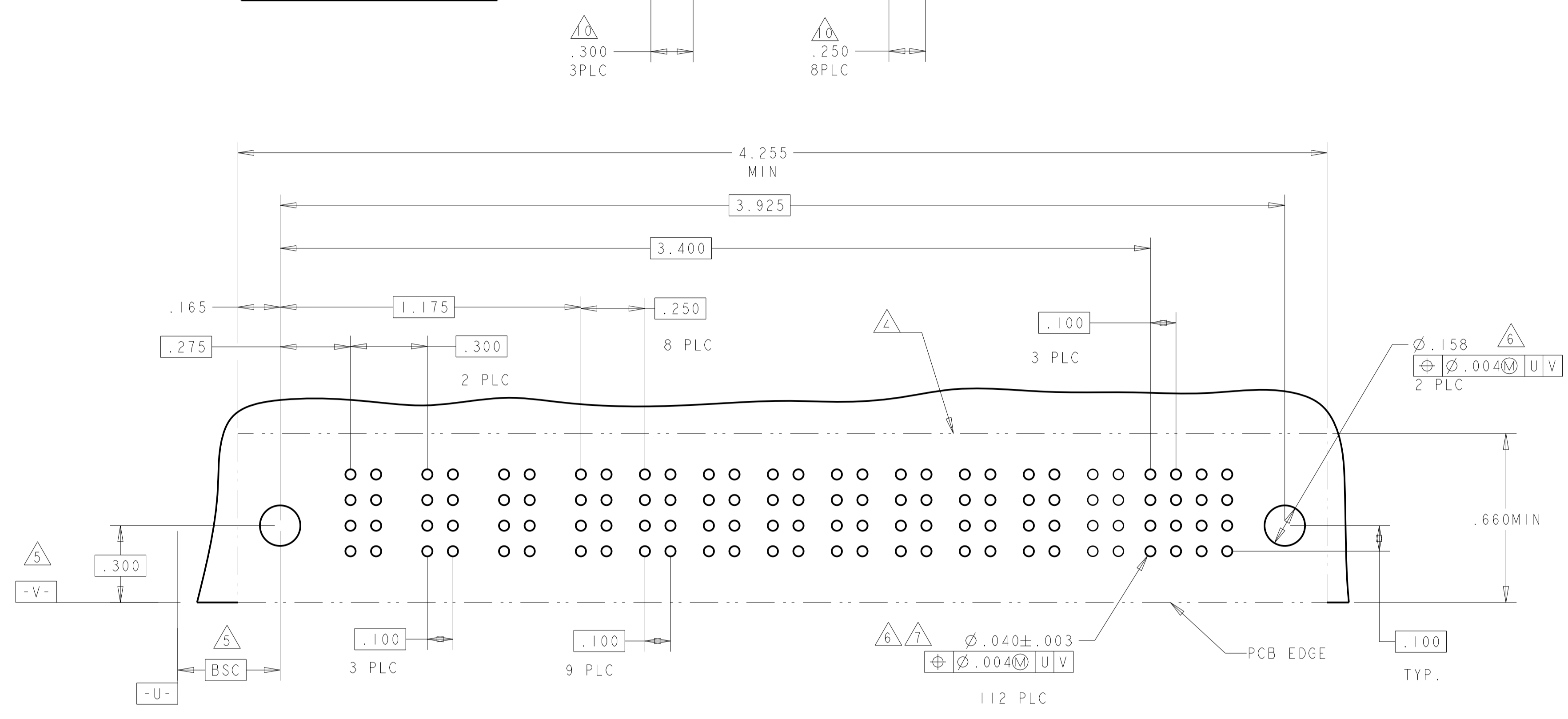
PART NUMBER	ROWS	POWER		SIGNAL					
		P1		1	2	3	4	5	6
6450332-6	D			E	E	E	E	E	J
	C			F	F	F	F	F	F
	B			G	G	G	G	G	G
	A			H	H	H	H	H	H
1P + 24S									



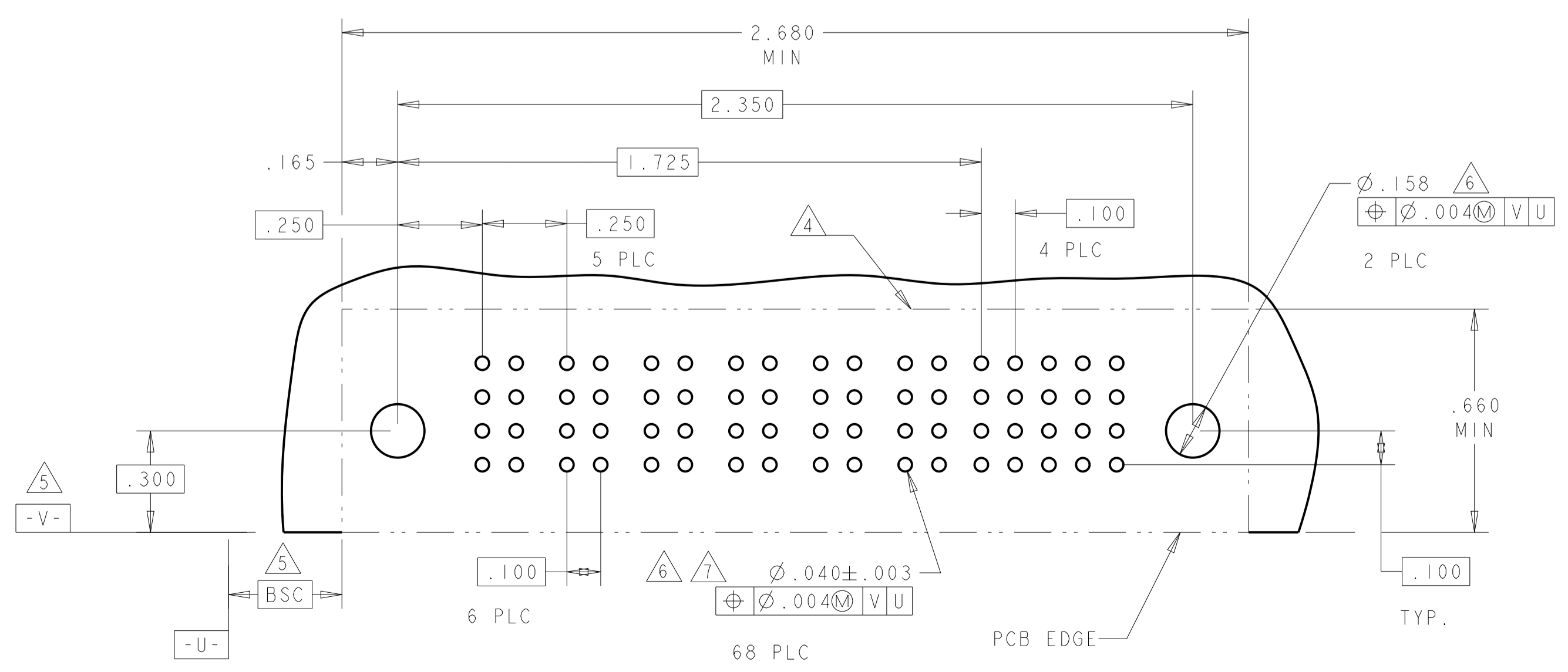
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: R. GRZYBOWSKI 24JAN05	TE Connectivity	
DIMENSIONS: INCHES		CHK: M. PERCHERKE 24JAN05		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCHERKE	NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020		PRODUCT SPEC: 108-1973	SIZE: CAGE CODE DRAWING NO: 114-13038	
MATERIAL: FINISH:		WEIGHT:	RESTRICTED TO: A100779C=6450332	
CUSTOMER DRAWING		SCALE: 4:1	SHEET 4 OF 13 REV H6	

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

PART NUMBER	ROWS	POWER												SIGNAL			
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	1	2	3	4
I-6450332-6	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J
		PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	K	K	K	K
		PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	N	N	N	N
		PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	S	S	S	H
3ACP + 9P + 16S																	



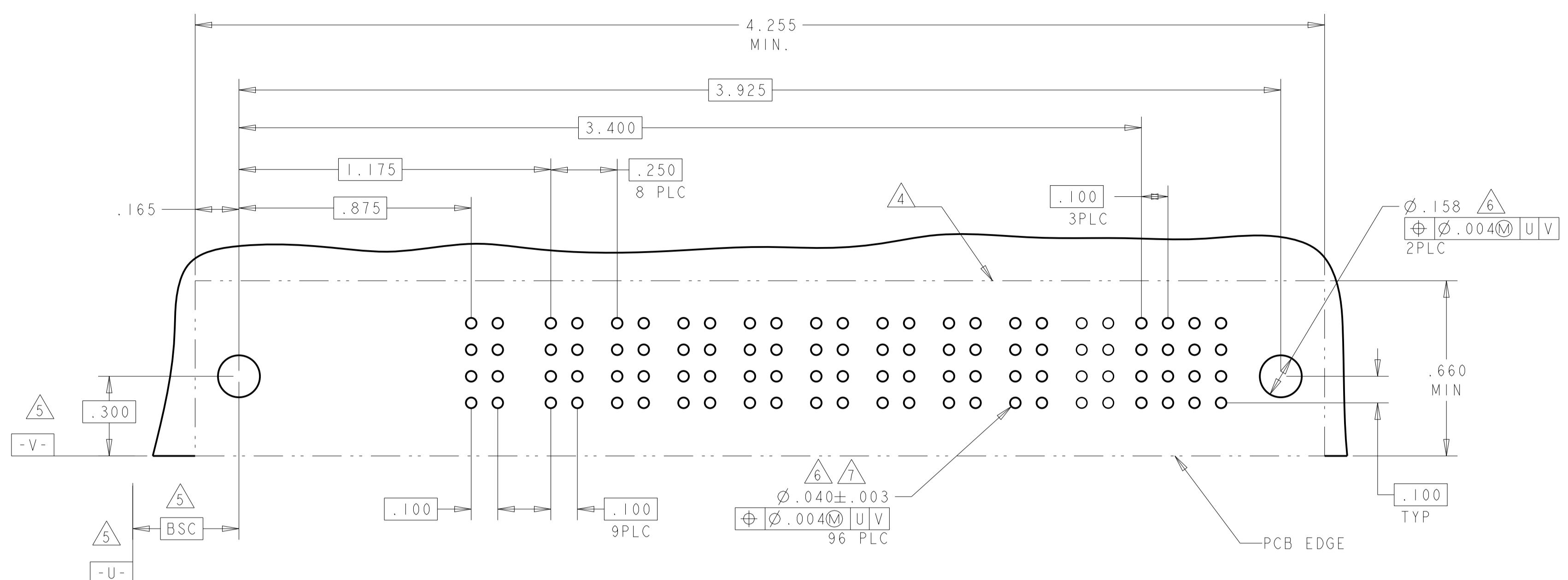
PART NUMBER	ROWS	POWER						SIGNAL				
		P1	P2	P3	P4	P5	P6	1	2	3	4	5
I-6450332-7	D C B A	PM	PM	PM	PM	PM	PM	J	J	J	J	J
		PM	PM	PM	PM	PM	PM	K	K	K	K	K
		PM	PM	PM	PM	PM	PM	N	N	N	N	N
		PM	PM	PM	PM	PM	PM	H	S	S	S	S
6P + 20S												



(B1) ADD SHEET 5 OF 6

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: R. GRZYBOWSKI 24JAN05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 24JAN05	
		APVD: M. PERCHERKE	NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC: 108-1973	SIZE: A1
0 PLC ±.01		APPLICATION SPEC: 114-13038	CAGE CODE: 6450332
1 PLC ±.01		WEIGHT: -	RESTRICTED TO: -
2 PLC ±.01		CUSTOMER DRAWING	SCALE: 4:1
3 PLC ±.005			SHEET: 6 OF 13
4 PLC ±.002			REV: H6
ANGLES ±.020			

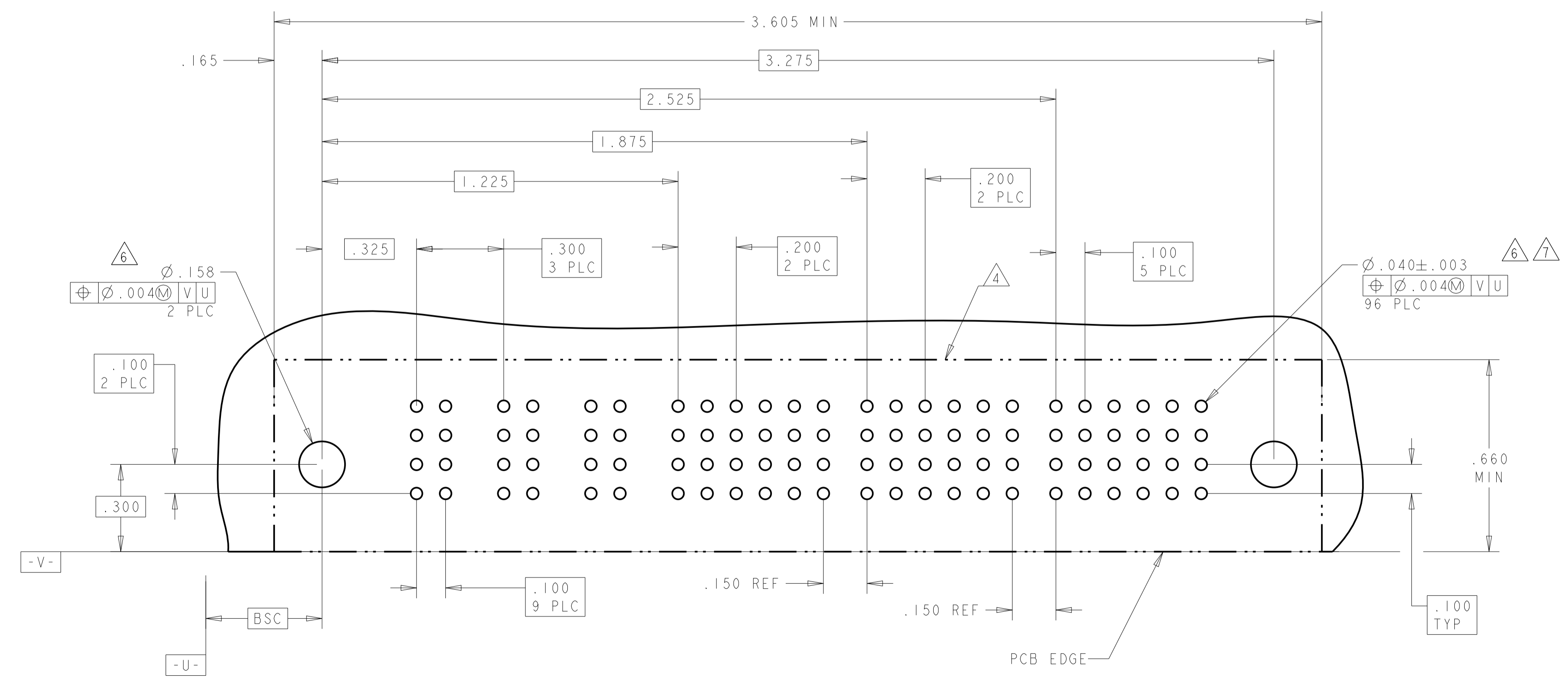
LOC		DIST		REVISIONS			
ES	00	P	LTN	DESCRIPTION	DATE	DWN	APVD
				SEE SHEET 1			



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																	
3ACP + 6P + 24S																		



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

THIS DRAWING IS A CONTROLLED DOCUMENT. OWN: 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 ±.002
 ANGLES ±.020

MATERIAL: FINISH:

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

NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL
 SIZE: CAGE CODE DRAWING NO: A100779
 CUSTOMER DRAWING: C=6450332

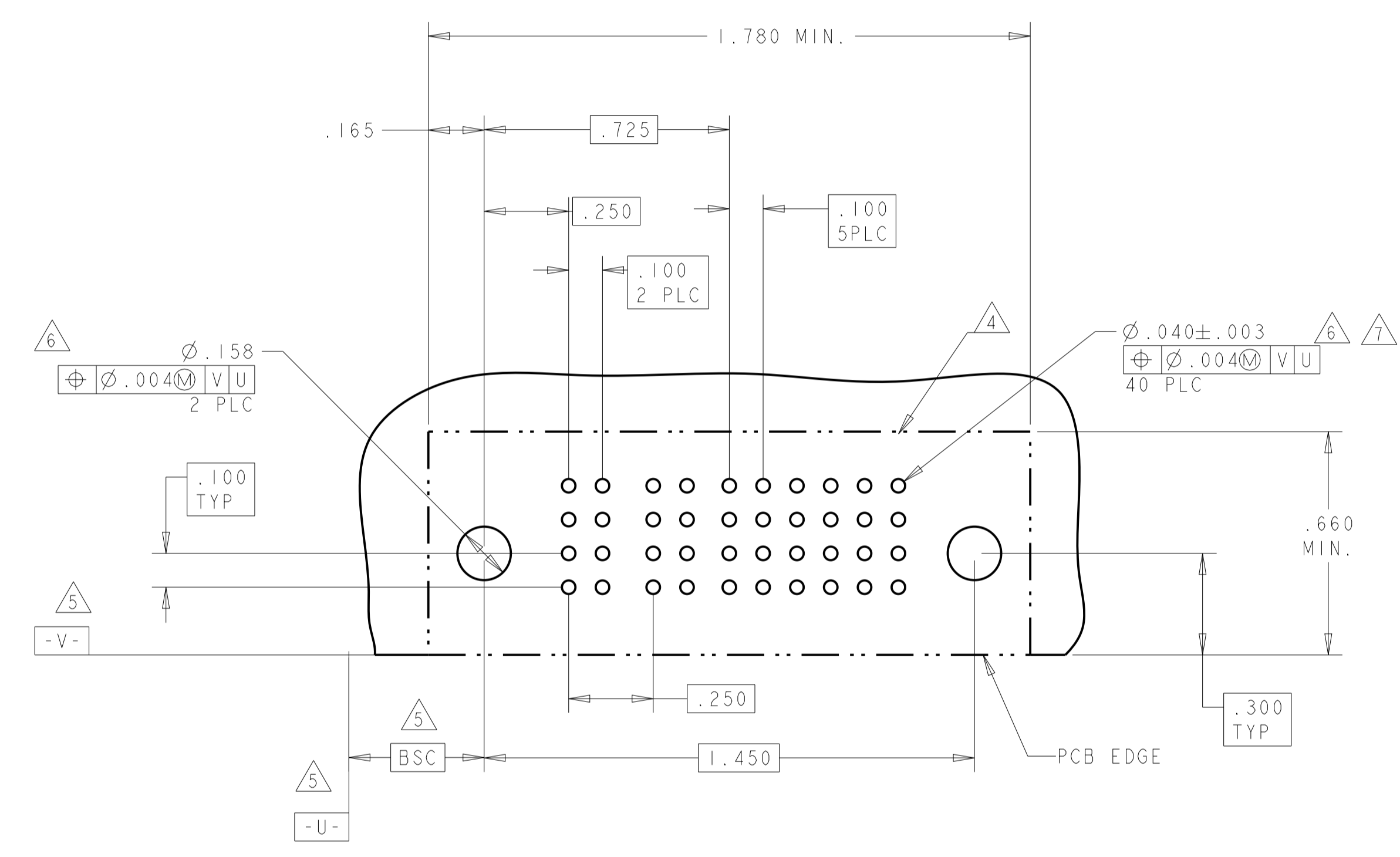
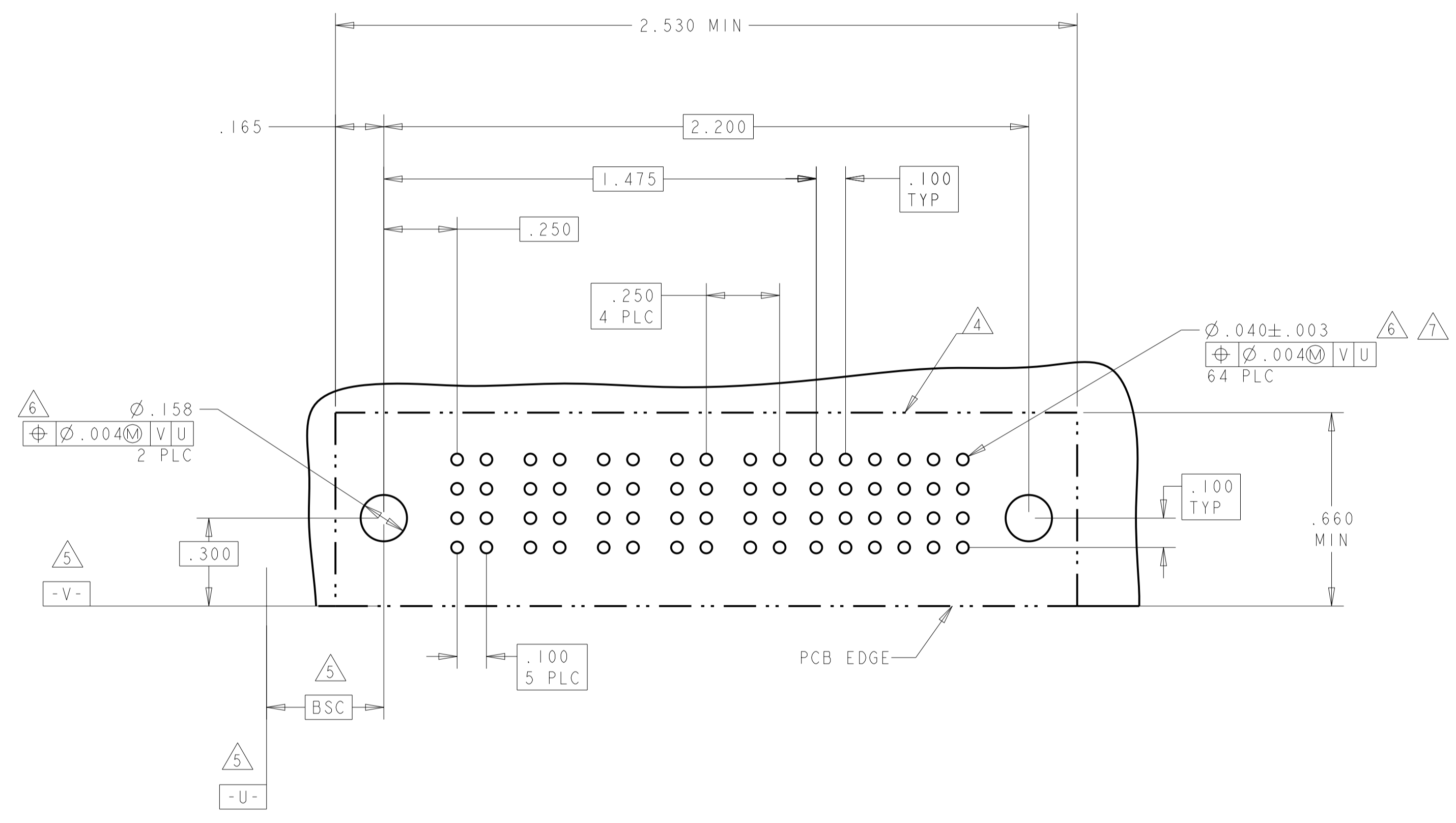
SCALE: 4:1 SHEET 7 OF 13 REV: H6

LOC	DIST	REV	DATE	BY	APPV
ES	00				

REVISIONS		DATE	BY	APPV
1	SEE SHEET 1			

PART NUMBER	ROWS	POWER					SIGNAL					
		P1	P2	P3	P4	P5	1	2	3	4	5	6
2-6450332-0	D C B A	PM	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
5P + 24S												

PART NUMBER	ROWS	POWER		SIGNAL					
		P1	P2	1	2	3	4	5	6
6450332-8	D C B A	PM	PM	J	J	J	J	J	J
				K	F	K	K	K	K
				N	N	N	N	N	N
				S	S	S	S	S	S
2P + 24S									



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: R. GRZYBOWSKI 24JAN05
 CHK: M. PERCHERKE 24JAN05
 APVD: M. PERCHERKE

STE TE Connectivity

NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL

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

SIZE: A1
 CAGE CODE: 100779
 DRAWING NO: 6450332

RESTRICTED TO: -

MATERIAL: -
 FINISH: -

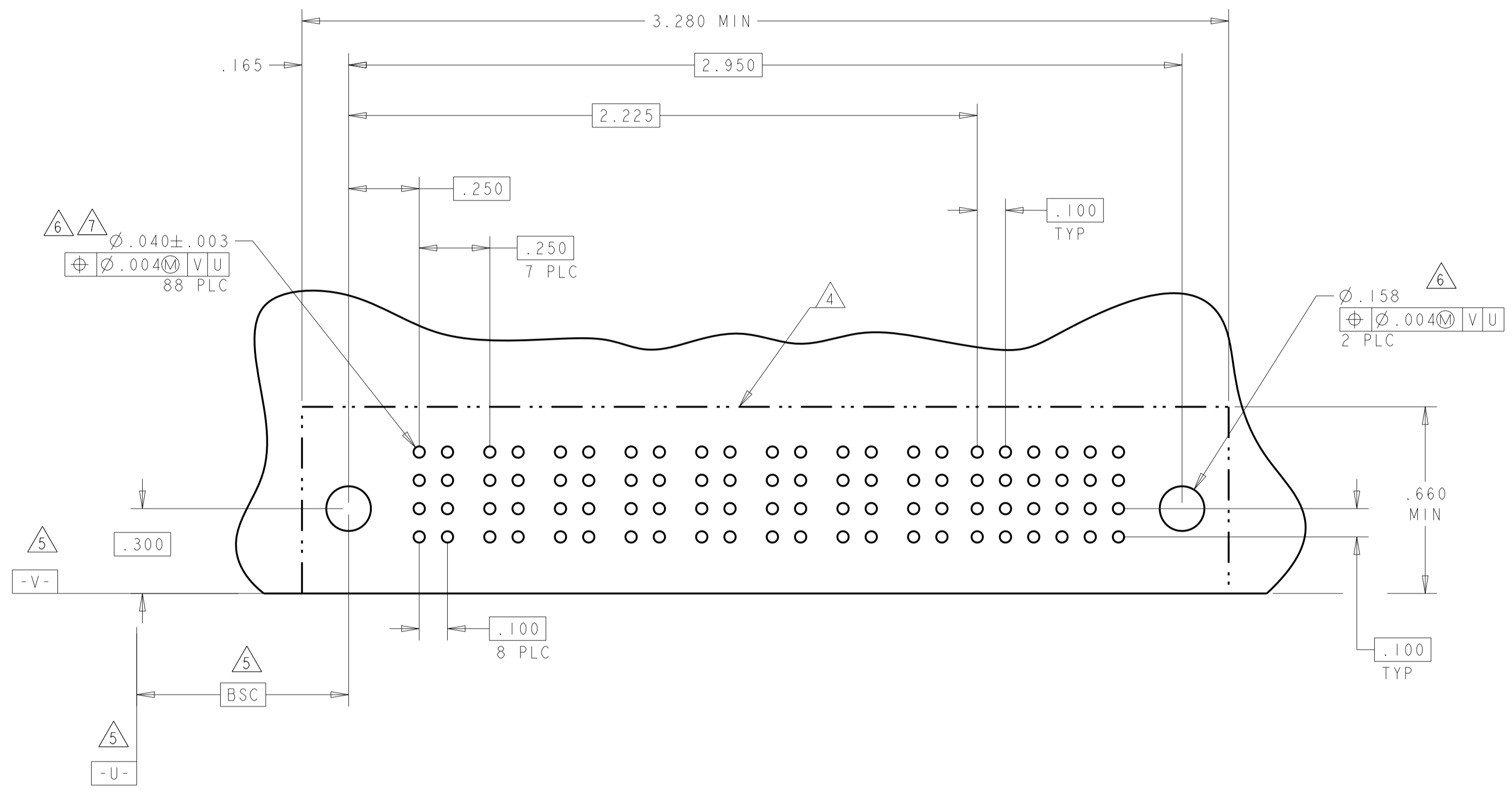
WEIGHT: -

CUSTOMER DRAWING

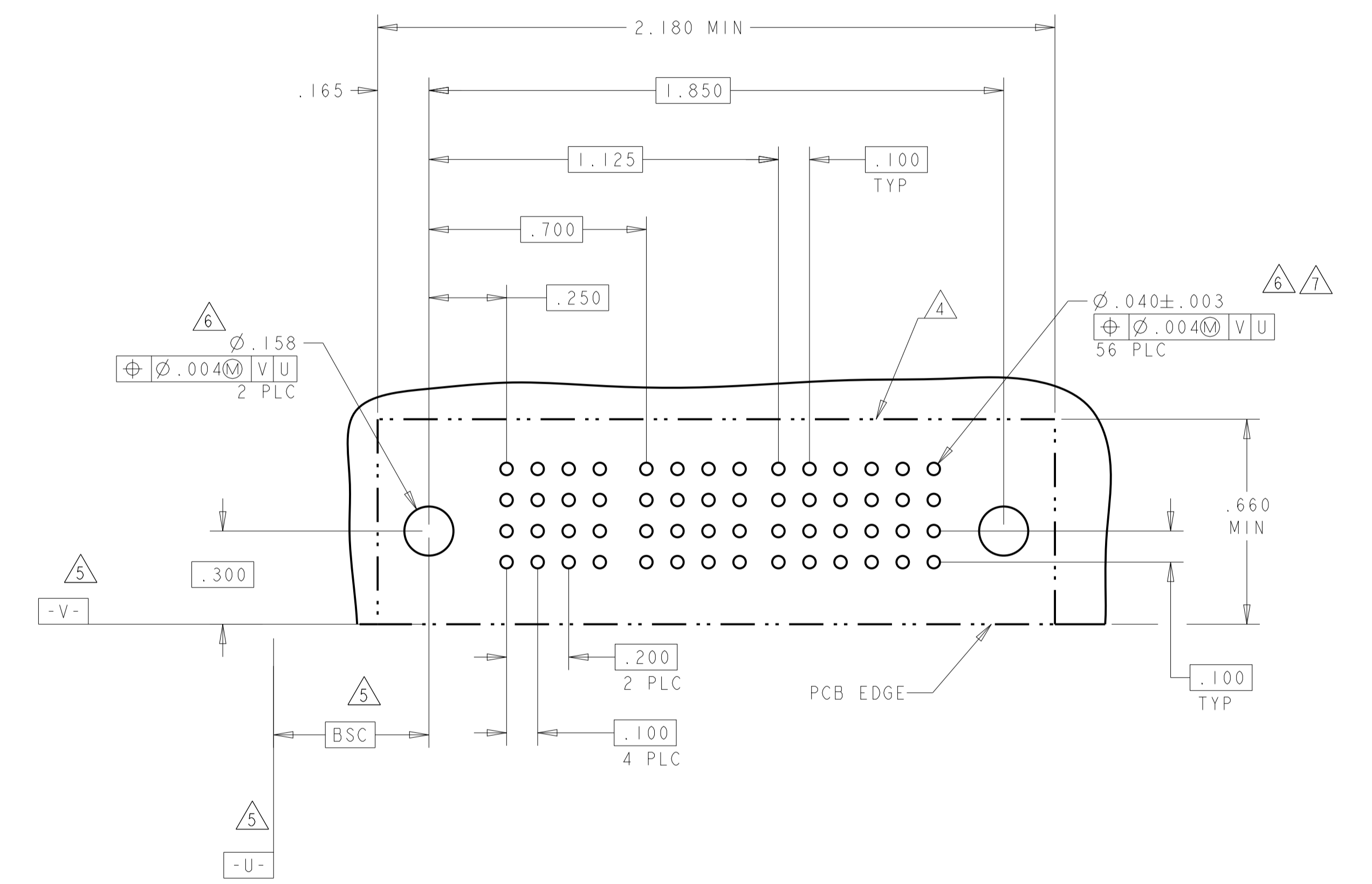
SCALE: 4:1 SHEET 8 OF 13 REV H6

LOC	DIST	REV	DATE	BY	APPV
ES	00				

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
		PM	PM	PM	PM	PM	PM	PM	PM	K	K	K	K	F	F
		PM	PM	PM	PM	PM	PM	PM	PM	N	N	N	N	G	G
8P + 24S									S	S	S	S	H	H	



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



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	0 PLC ± .01 2 PLC ± .01 3 PLC ± .01 4 PLC ± .005 5 PLC ± .002 ANGLES ± .020	FINISH	APVD: M. PERCHERKE	NAME: M. PERCHERKE	PRODUCT SPEC: 108-1973	APPLICATION SPEC: 114-13038	WEIGHT: -	SCALE: 4:1	SHEET: 9 OF 13	REV: H6
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STE TE Connectivity

RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL

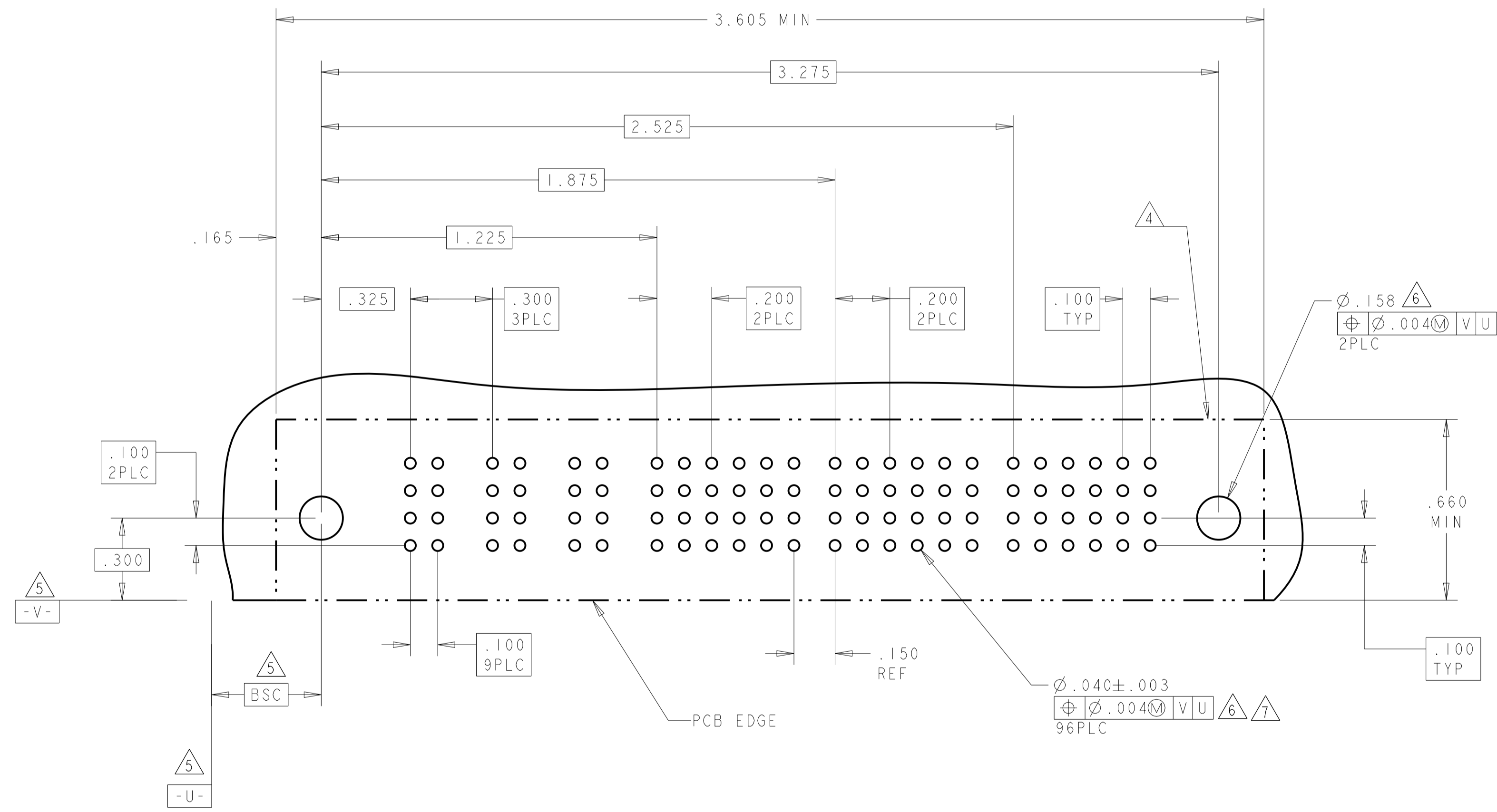
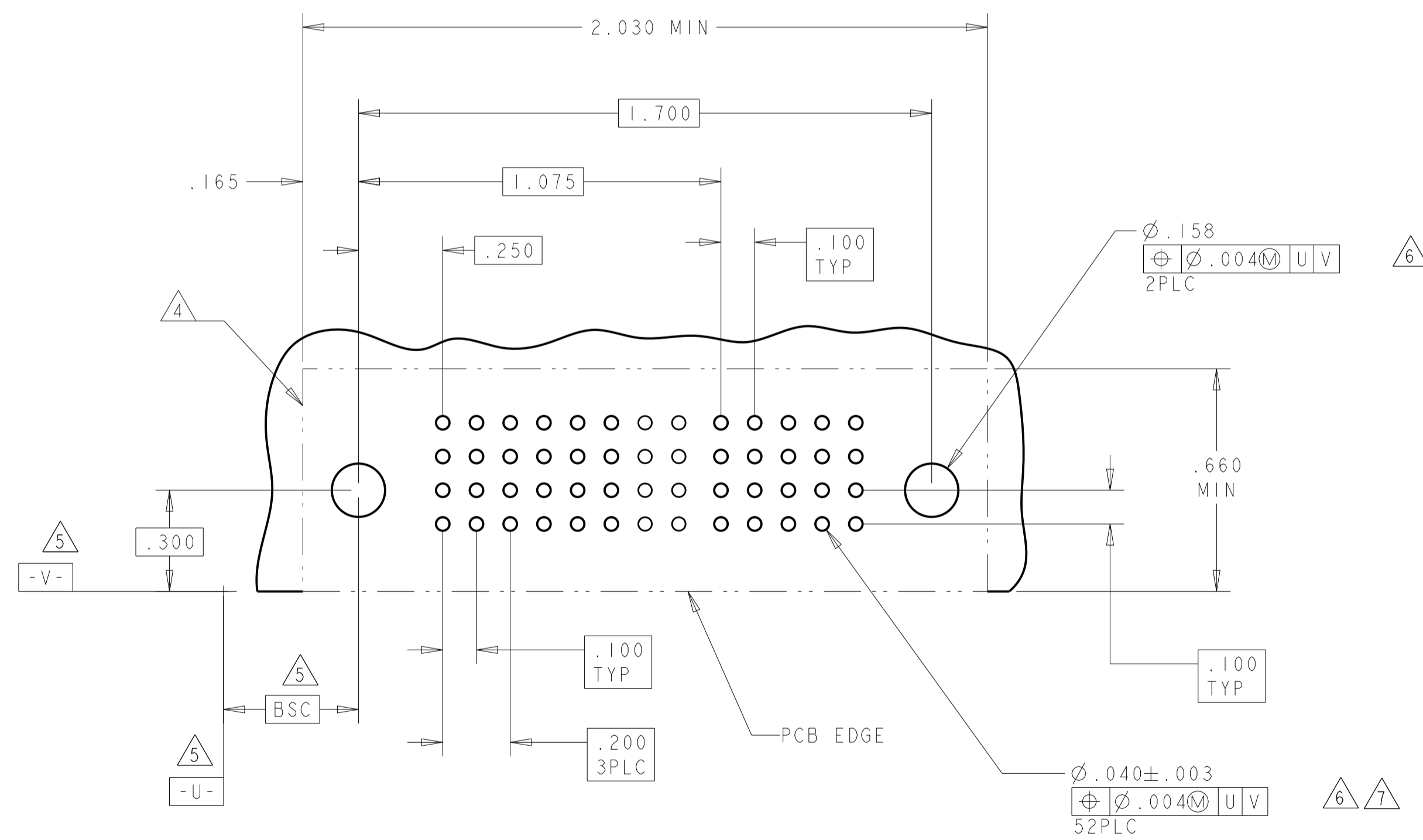
SIZE: A100779 C=6450332

CUSTOMER DRAWING

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

PART NUMBER	ROWS	POWER				SIGNAL				
		P1	P2	P3	P4	1	2	3	4	5
2-6450332-6	D	PM	PM	PM	PM	J	J	J	J	J
	C					K	K	K	K	K
	B					N	N	N	N	N
A	H	H	H	H	H					

PART NUMBER	ROWS	POWER									SIGNAL					
		P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6
2-6450332-8	D	PM	PM	PM	PM	PM	PM	PM	PM	PM	E	E	E	E	E	E
	C										K	F	F	F	F	F
	B										N	G	G	G	G	G
A	H	H	H	H	H	H	S									



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: B. GRZYBOWSKI 24JAN05
 CHK: M. PERCHERKE 24JAN05
 APVD: M. PERCHERKE

TE Connectivity

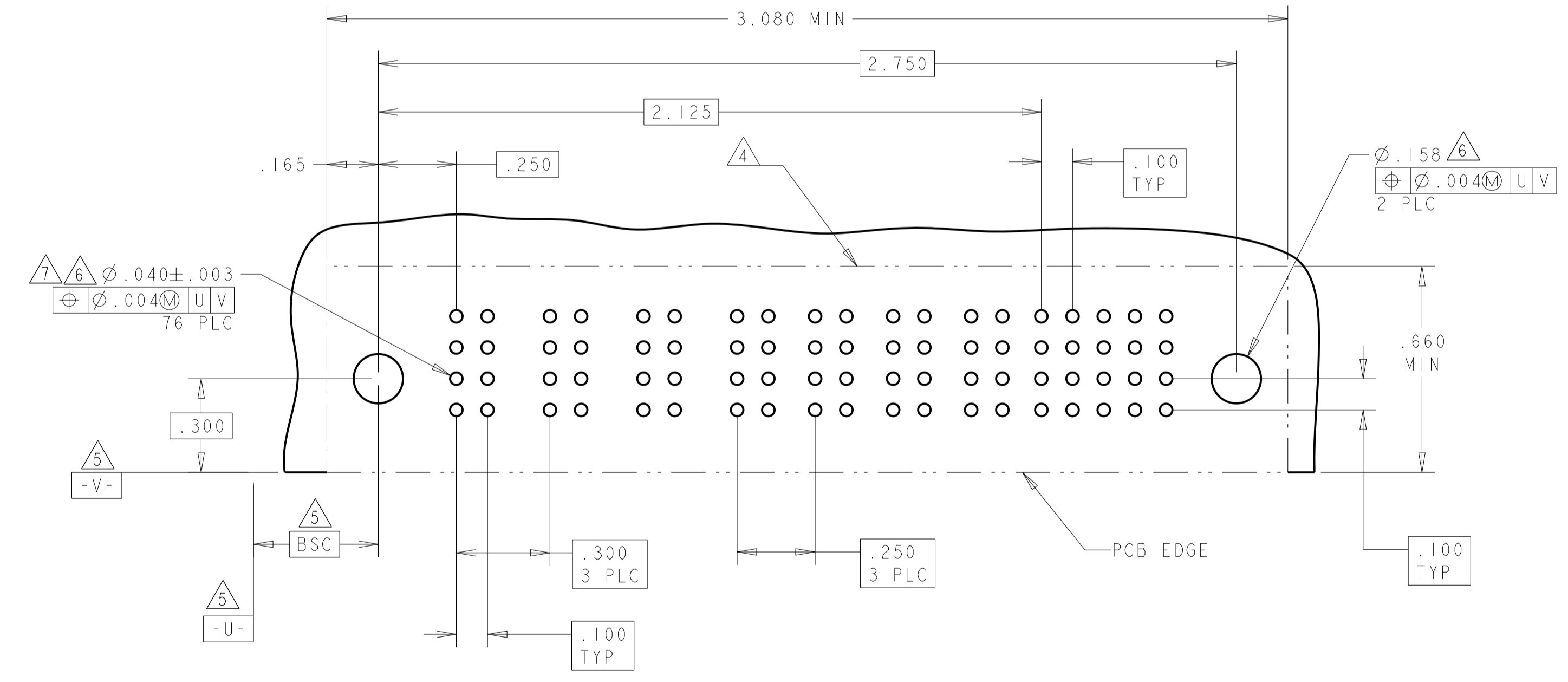
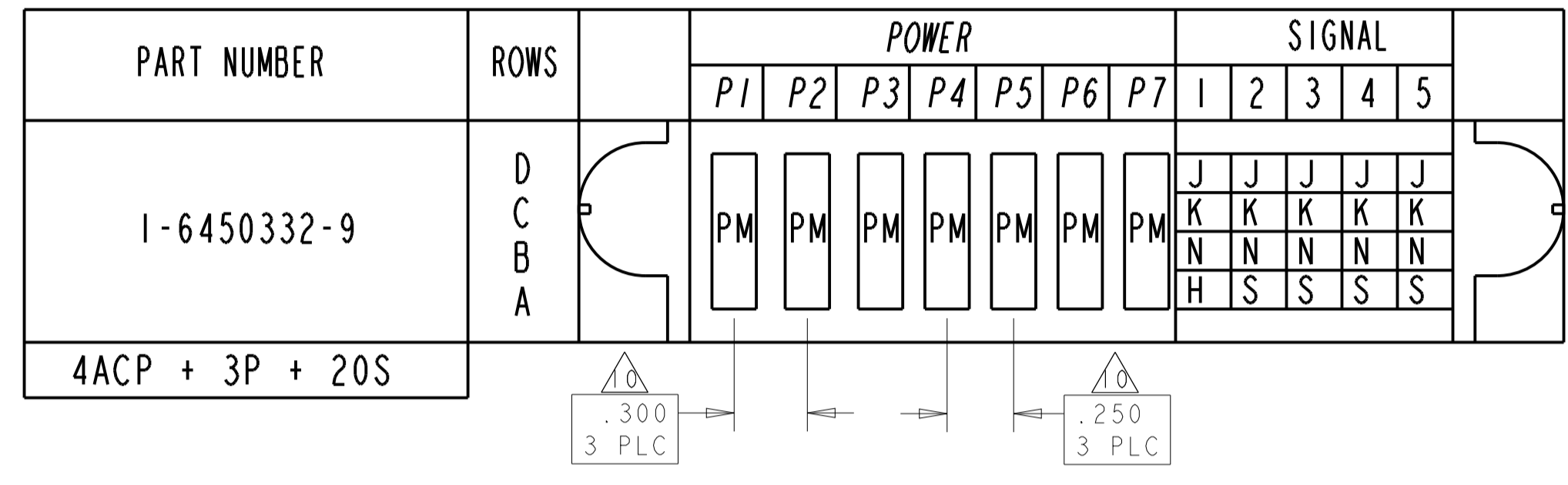
NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL

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

SIZE: A1
 CAGE CODE: 6450332
 DRAWING NO: 100779

SCALE: 4:1
 SHEET: 10 OF 13
 REV: H6

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

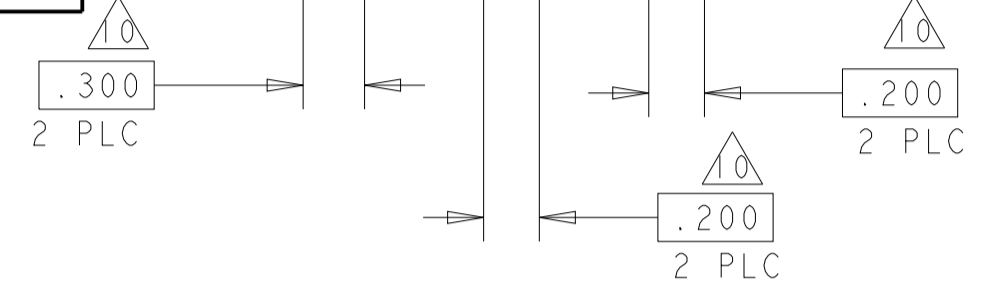


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. GRZYBOWSKI 24JAN05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 24JAN05	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°		APVD: M. PERCHERKE	NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL
MATERIAL: -		FINISH: -	PRODUCT SPEC: 108-1973
SCALE: 4:1		WEIGHT: -	APPLICATION SPEC: 114-13038
SHEET 11 OF 13		SIZE: A1	CAGE CODE: 6450332
CUSTOMER DRAWING		REV: H6	RESTRICTED TO: -

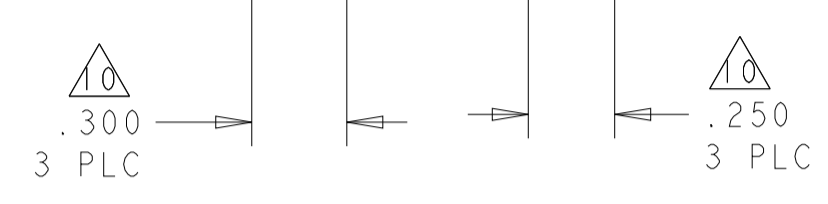
LOC	DIST	REV	DATE	BY	APPR
ES	00				

REVISIONS		DATE	BY	APPR
1	SEE SHEET 1			

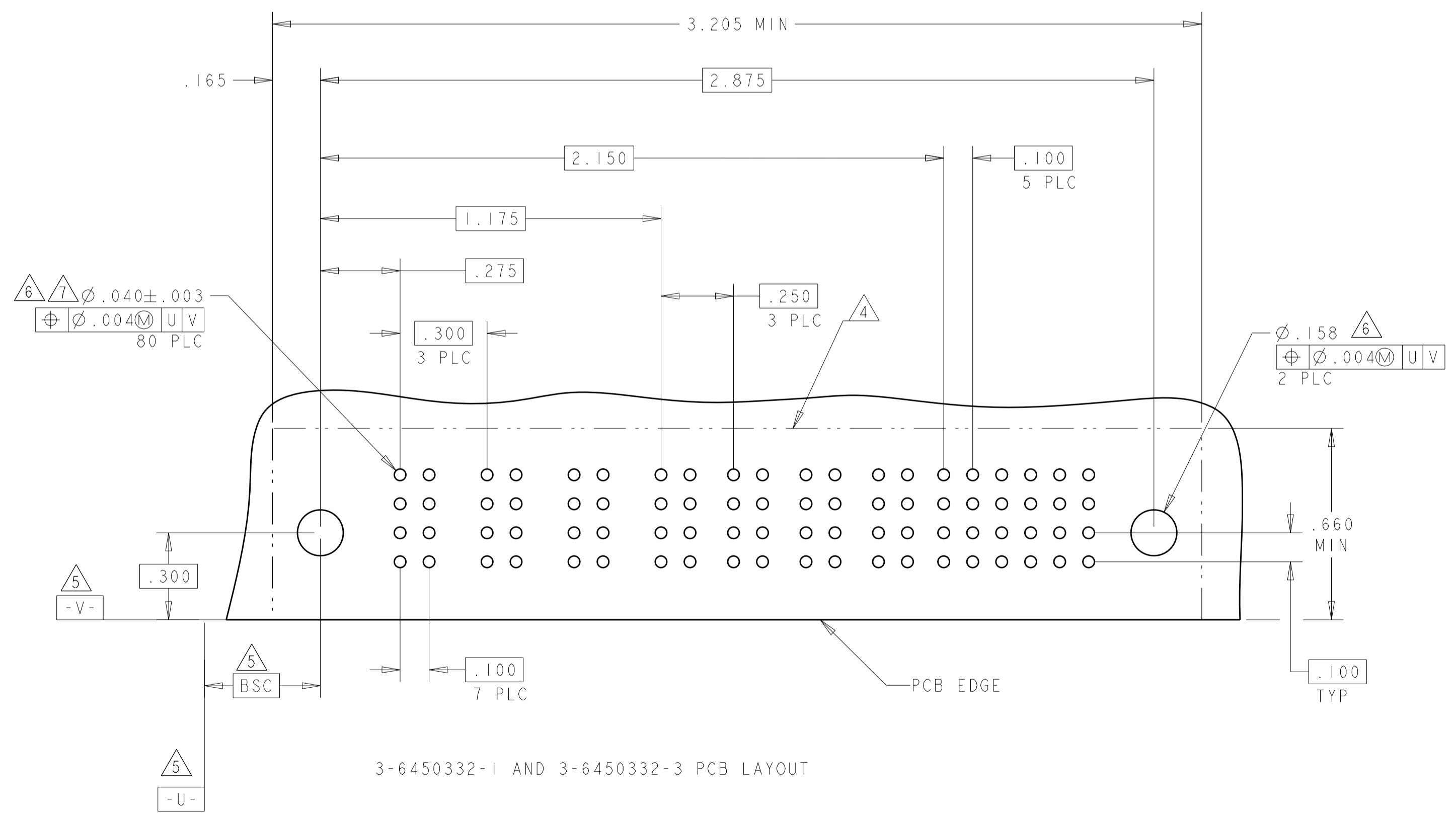
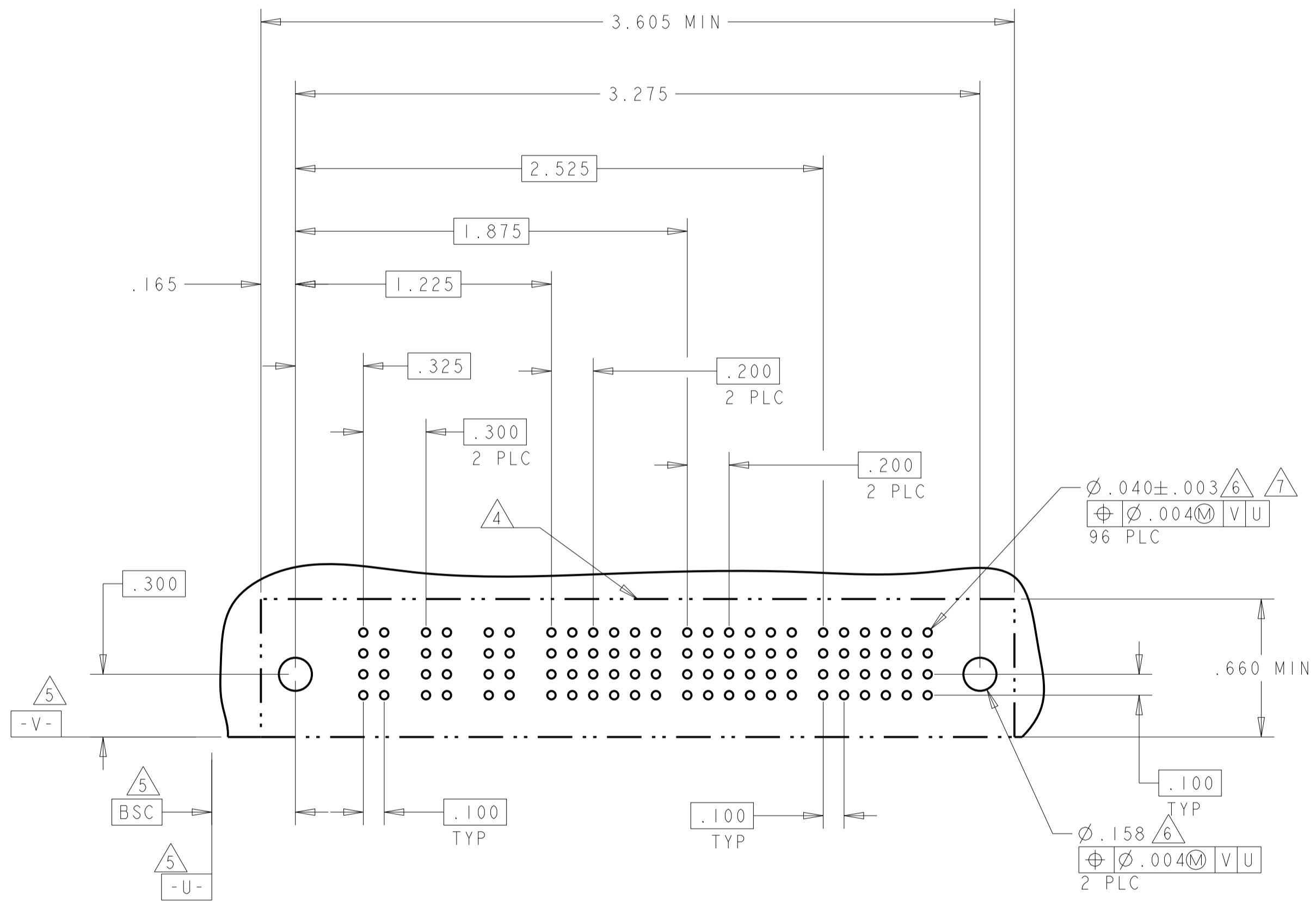
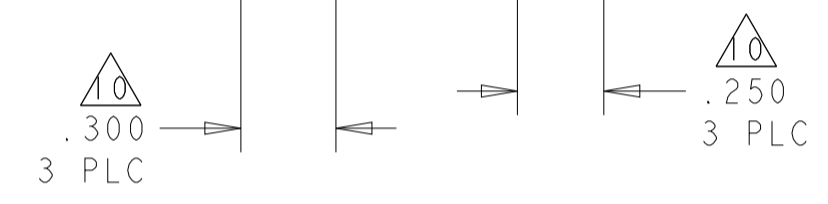
PART NUMBER	ROWS	POWER							SIGNAL						
		P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5
3-6450332-0	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J
										K	K	K	K	K	K
										N	N	N	N	N	N
										S	S	S	S	S	S



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



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



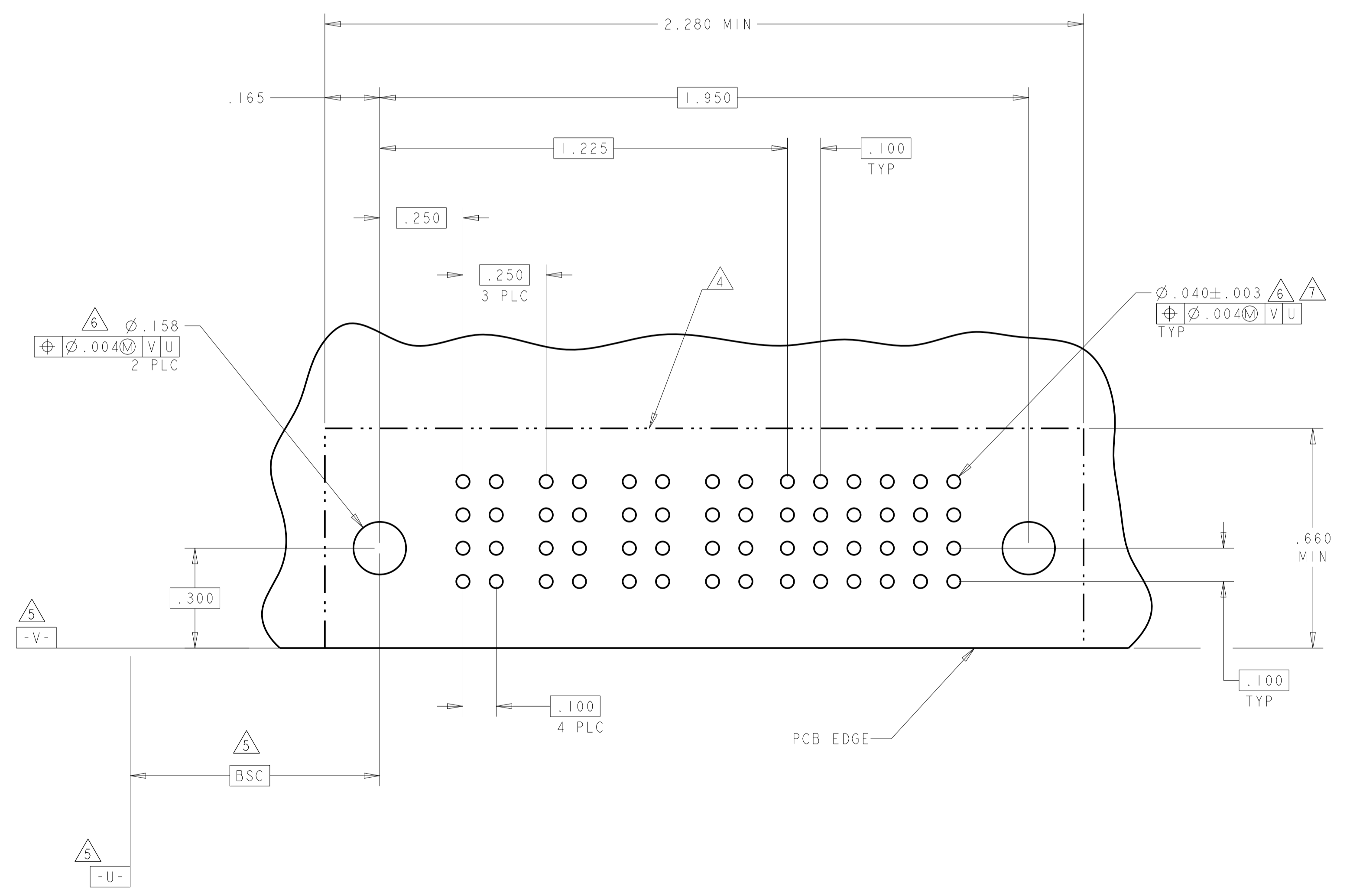
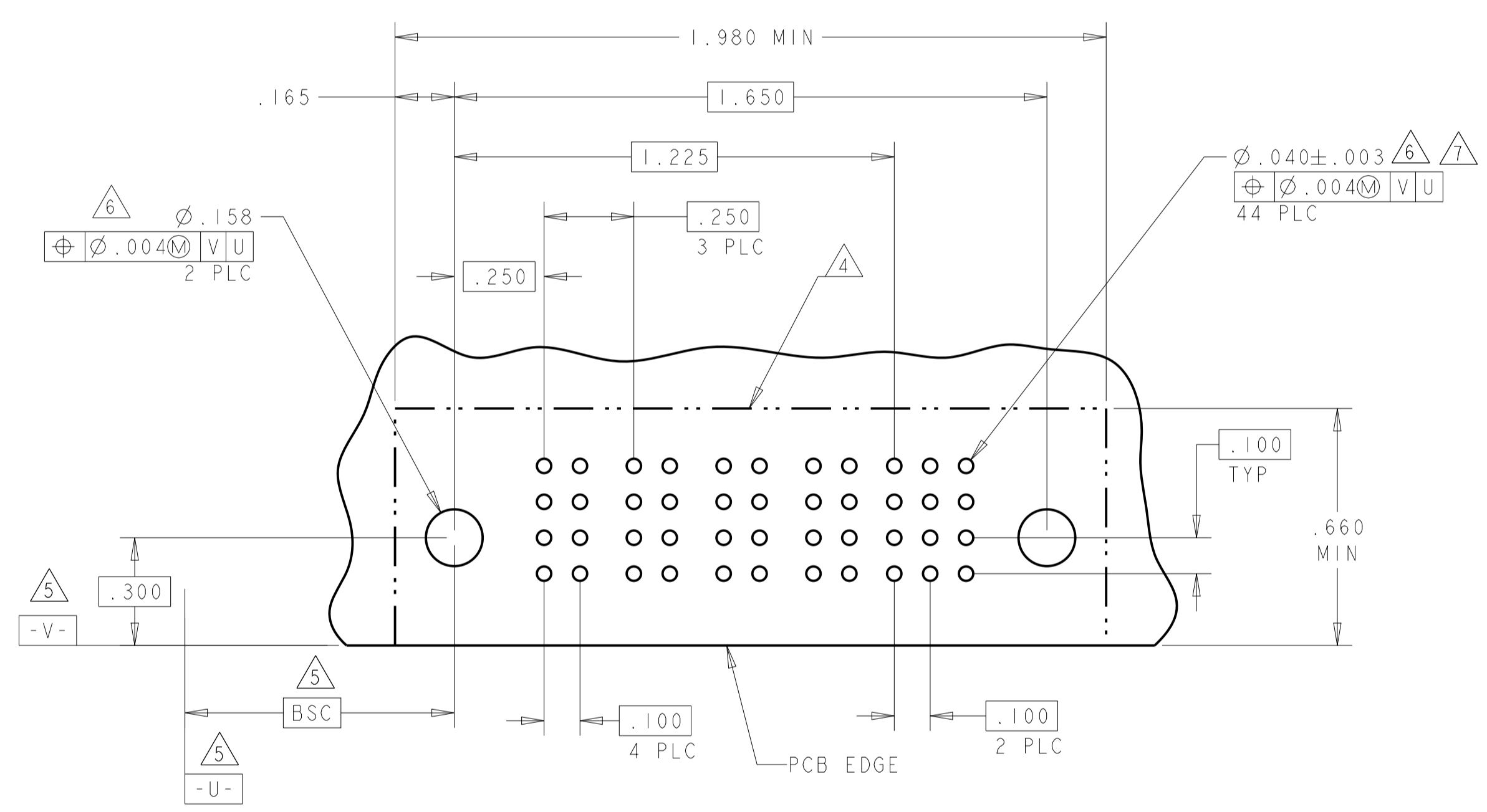
3-6450332-1 AND 3-6450332-3 PCB LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: R. GRZYBOWSKI 24JAN05		TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 24JAN05		NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPR: M. PERCHERKE	PRODUCT SPEC: 108-1973	
0 PLC ±.01		APPLICATION SPEC: 114-13038	SIZE: CAGE CODE DRAWING NO: A100779C=6450332	
1 PLC ±.01		WEIGHT: -	RESTRICTED TO: -	
2 PLC ±.01		CUSTOMER DRAWING	SCALE: 4:1 SHEET 12 OF 13 REV: H6	
3 PLC ±.005				
4 PLC ±.002				
ANGLES ±.0020				
FINISH: -				

LOC		DIST		REVISIONS			
ES	00	P	LTN	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	PM	PM	PM	PM	J K N S	E F N S	J F N S
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 K N S	E F G H	J F G S	J F G S	J K N S	E F G H
4P + 24S											



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN	24JAN05
INCHES	0 PLC ± .01	CHK	24JAN05
	1 PLC ± .01	APVD	M. PERCHERKE
	2 PLC ± .01	NAME	RIGHT ANGLE SOLDER HEADER ASSEMBLY
	3 PLC ± .005	PRODUCT SPEC	MULTI-BEAM XL
	4 PLC ± .0020	APPLICATION SPEC	
MATERIAL	FINISH	SIZE	CAGE CODE DRAWING NO
		114-13038	A100779
		WEIGHT	6450332
		CUSTOMER DRAWING	SCALE 4:1 SHEET 13 OF 13 REV H6

STE TE Connectivity