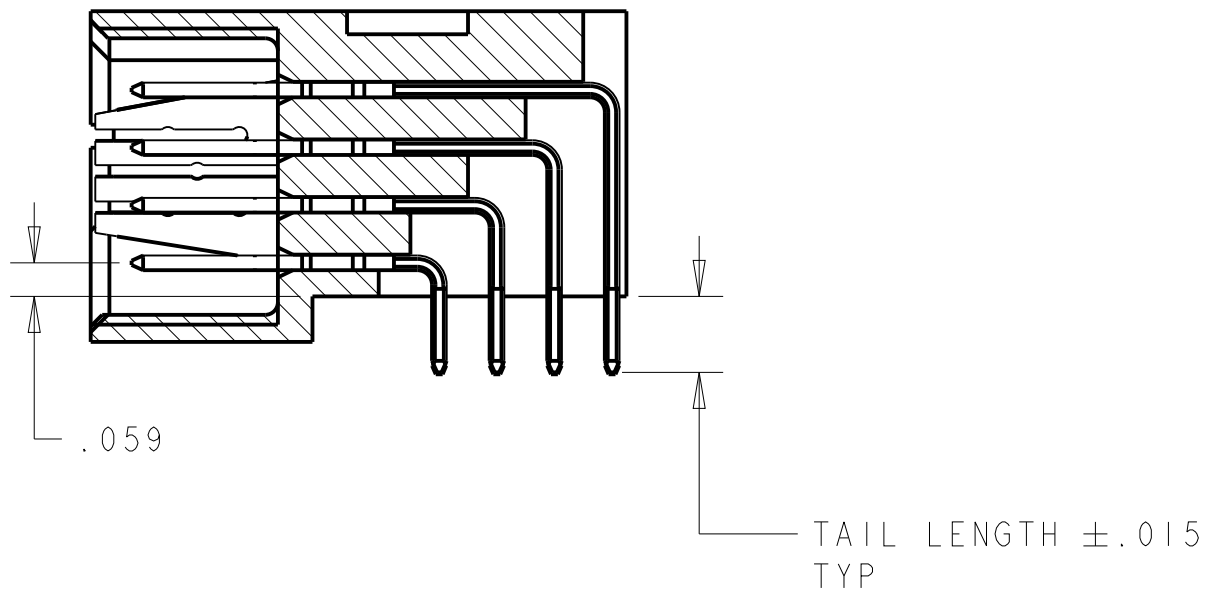
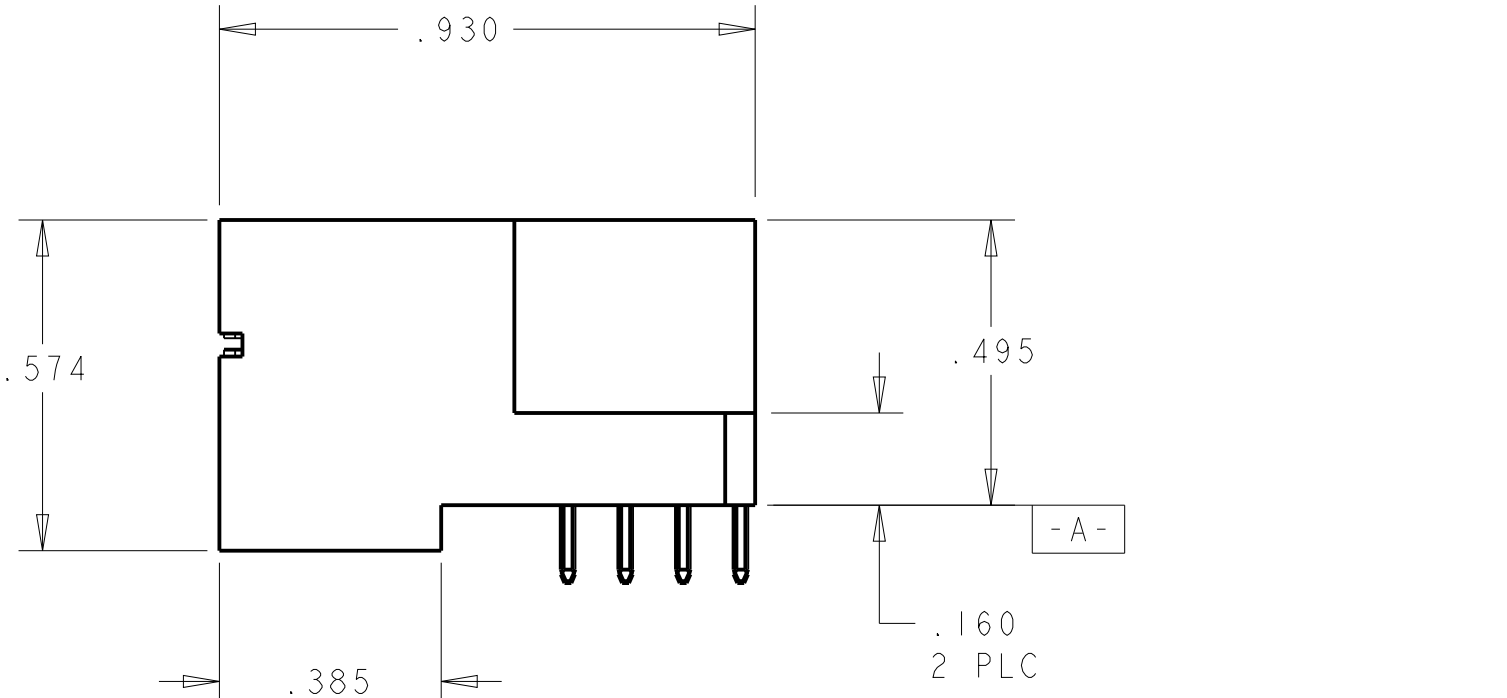
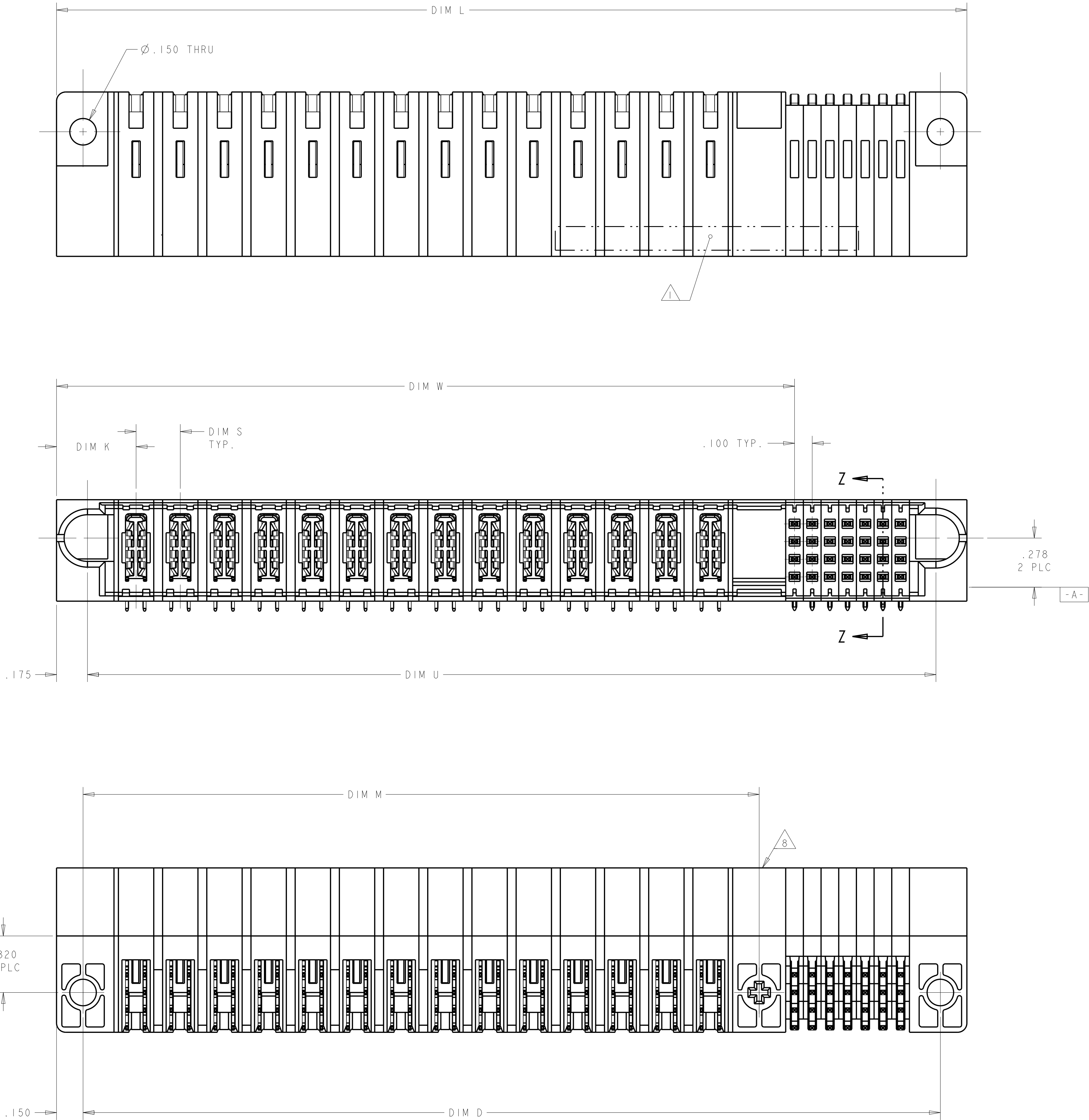


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		H4	ADDED DASH NUMBER -33	25FEB2013	CZ	SZ



SECTION Z-Z

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	24JAN05 24JAN05 -
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 FINISH		$\pm .$ $\pm .01$ $\pm .005$ $\pm .0020$ $\pm 2^\circ$ -	PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT -
MATERIAL 2		CUSTOMER DRAWING	
SCALE 4:1		SHEET 1 OF 13	
		REV H6	

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	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 24JAN05
CHK M. PERCHERKE 24JAN05
APVD M. PERCHERKE

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

-

CUSTOMER DRAWING

SCALE 4:1

SHEET 2 OF 13

REV H6

TE Connectivity

NAME

RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

SIZE

A1

CAGE CODE

00779

DRAWING NO

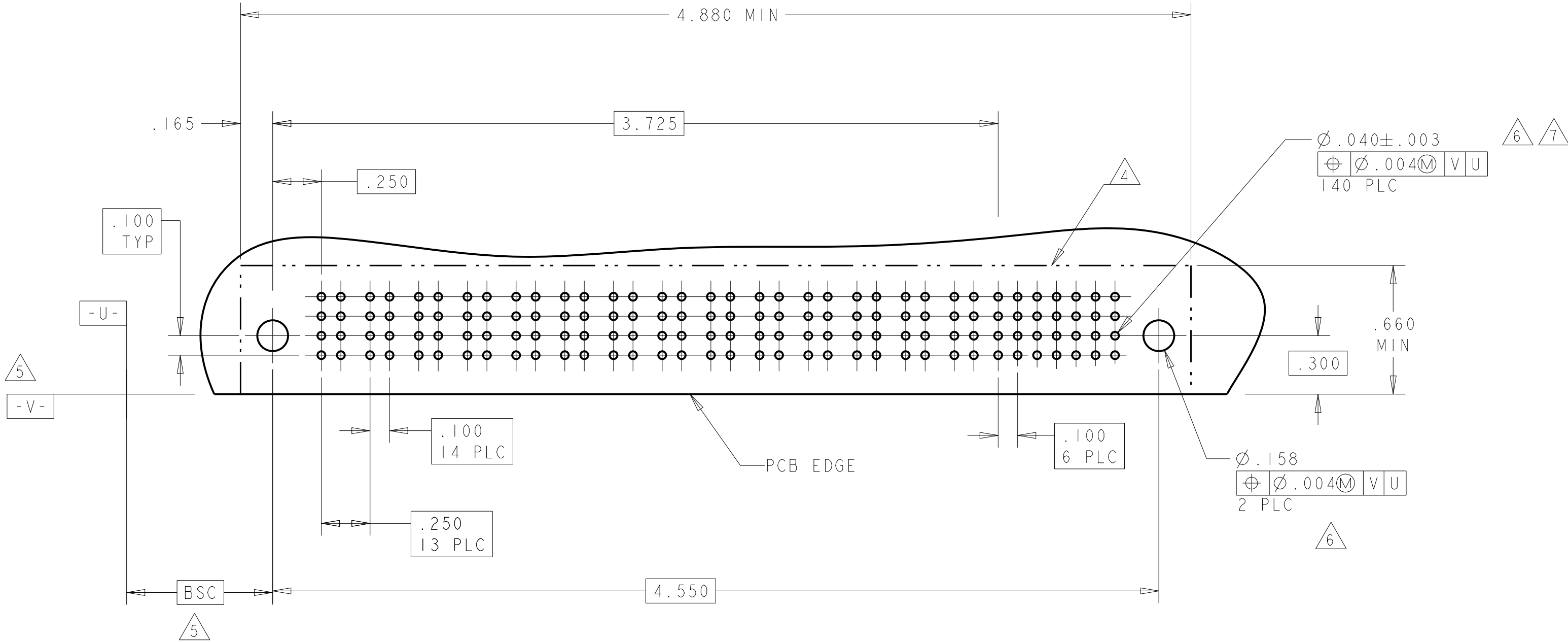
6450332

RESTRICTED TO

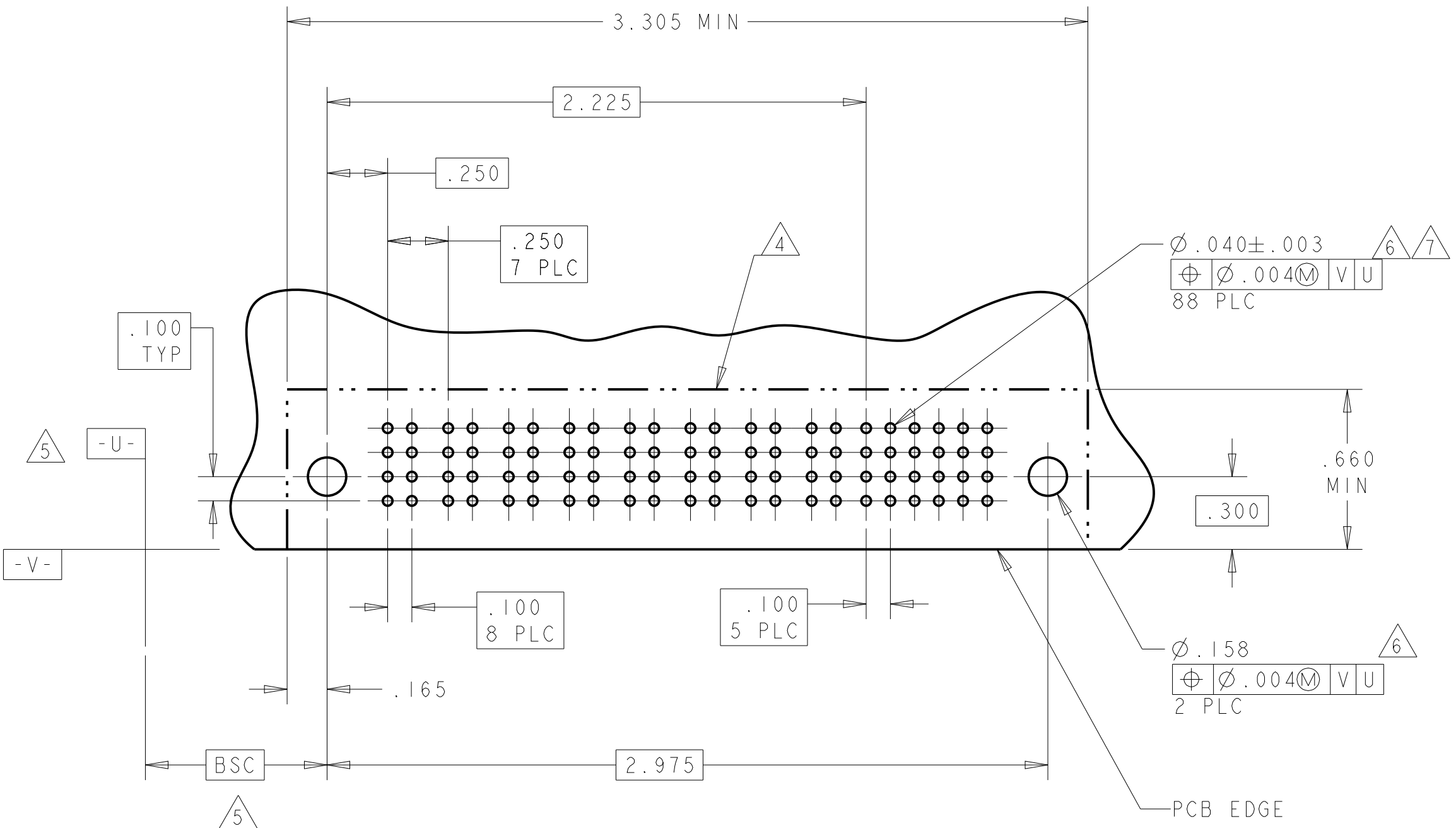
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LOC		DIST		REVISIONS			
P	LTR	DESCRIPTION		DATE	DWN	APVD	
-	-	SEE SHEET 1		-	-	-	

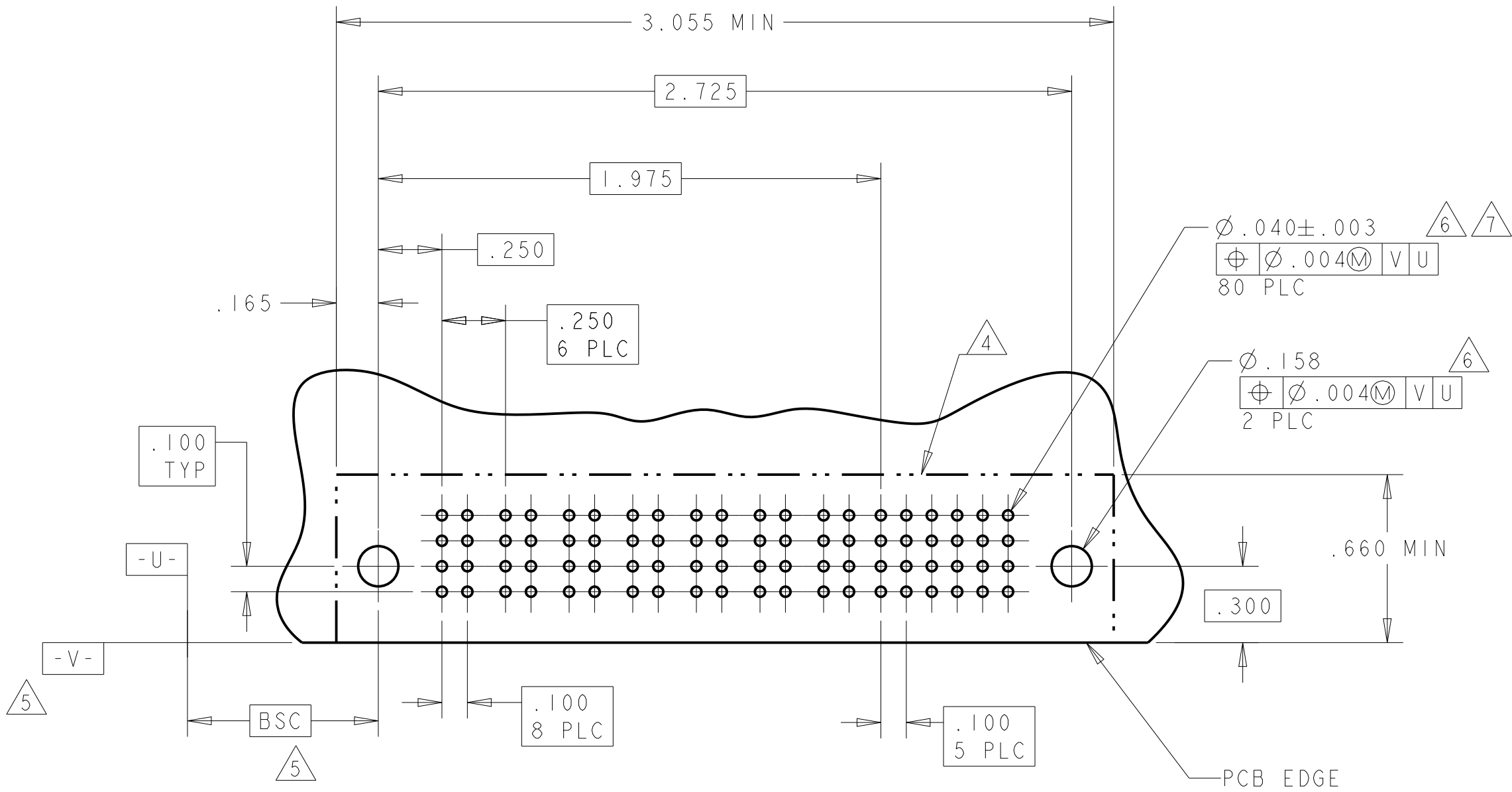
ASSY PART NUMBER	ROWS		POWER														SIGNAL							
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	1	2	3	4	5	6	7	
6450332-2	D C B A		PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	E	E	E	E	E	E	E	
																	F	F	F	F	F	F	F	
																	G	G	G	G	G	G	G	
																	S	S	S	S	H	H	H	
14P + 28S																								



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	
												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							
			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	
											K	K	K	K	K	K	
											N	N	N	N	N	N	
											S	S	S	S	S	S	
7P + 24S																	

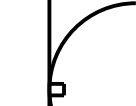
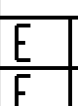
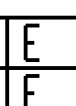
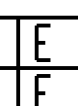
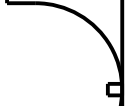


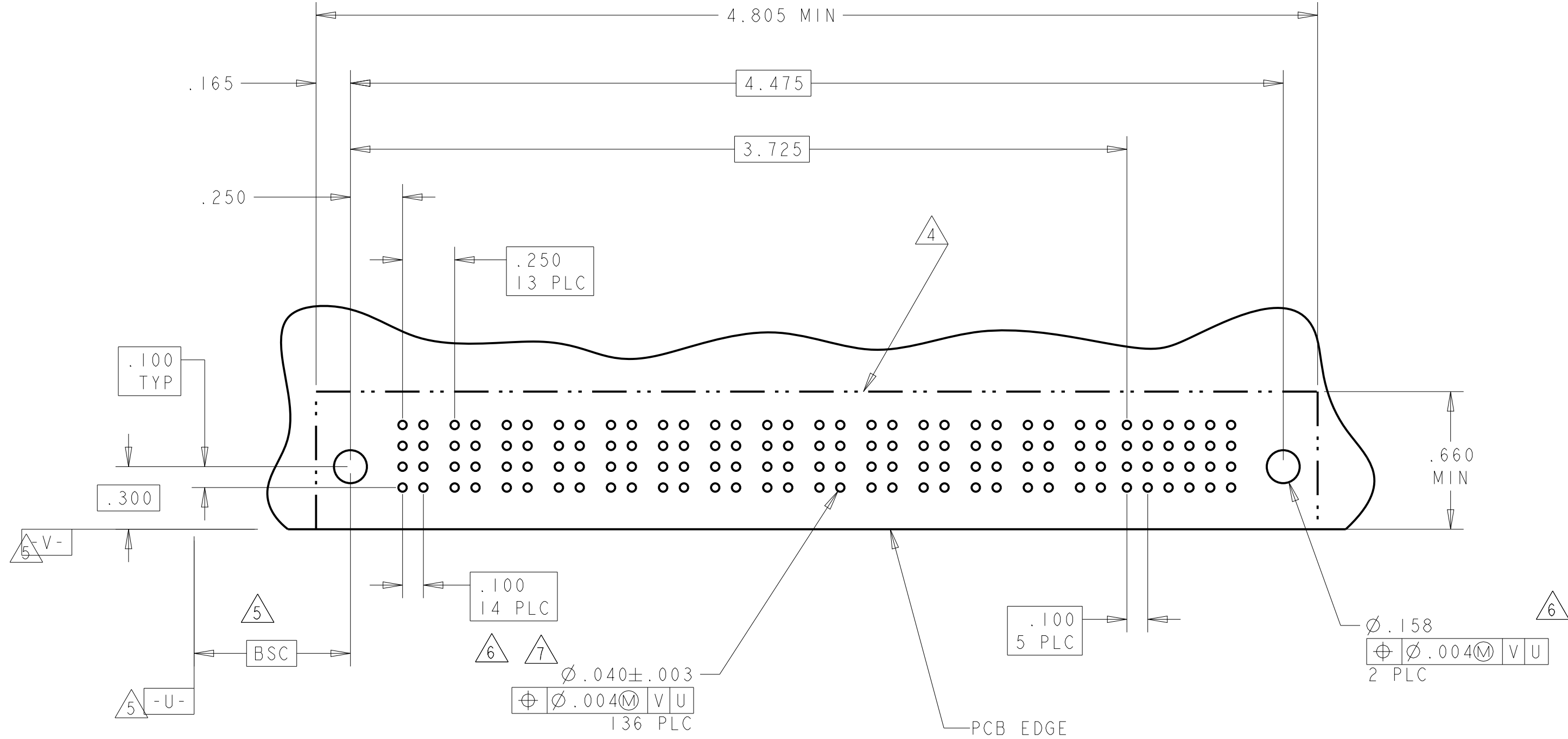
Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL CONTACT			

PA	.090
PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

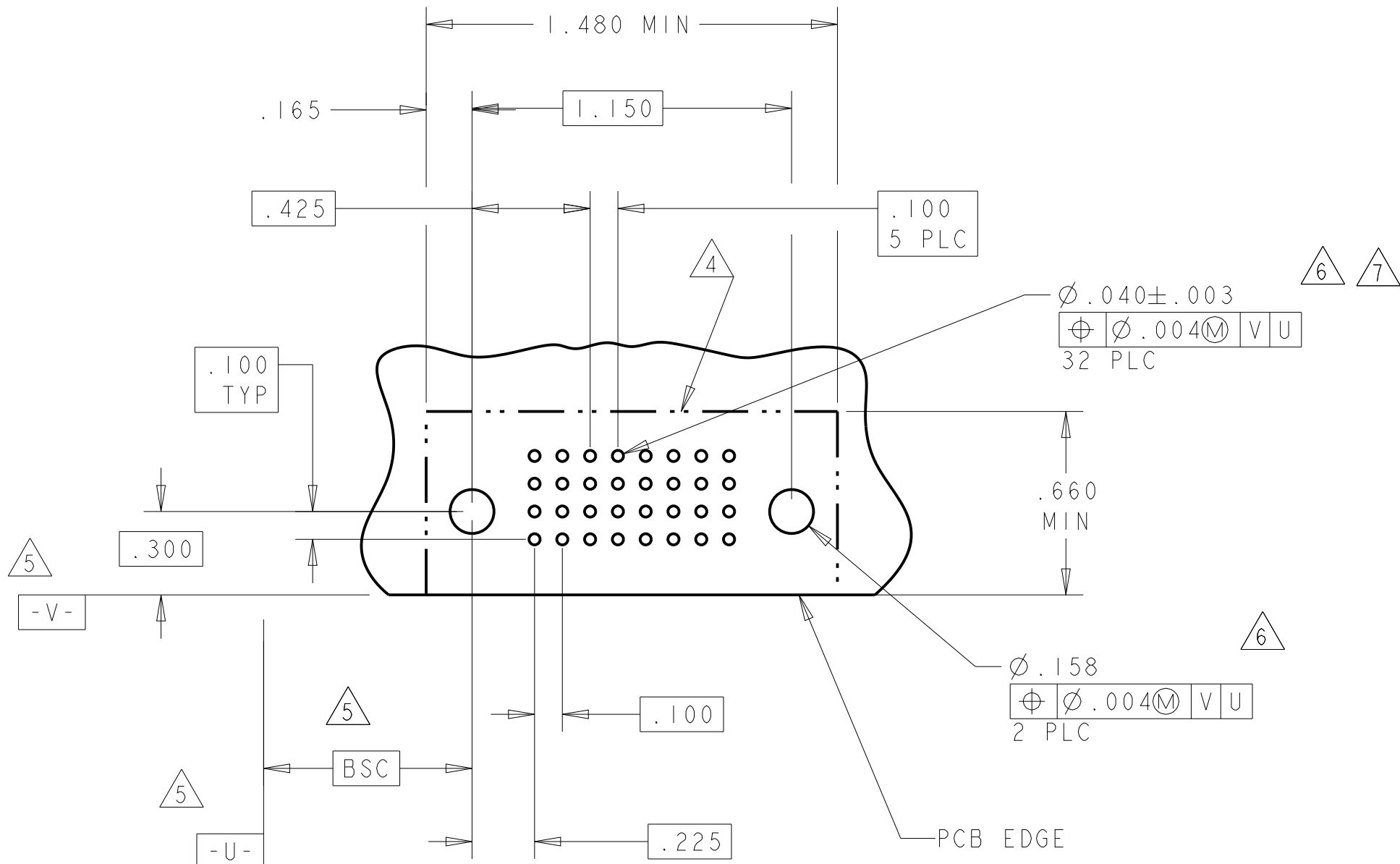
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 24JAN05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 24JAN05	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
0 PLC ±.01		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
1 PLC ±.01		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				

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

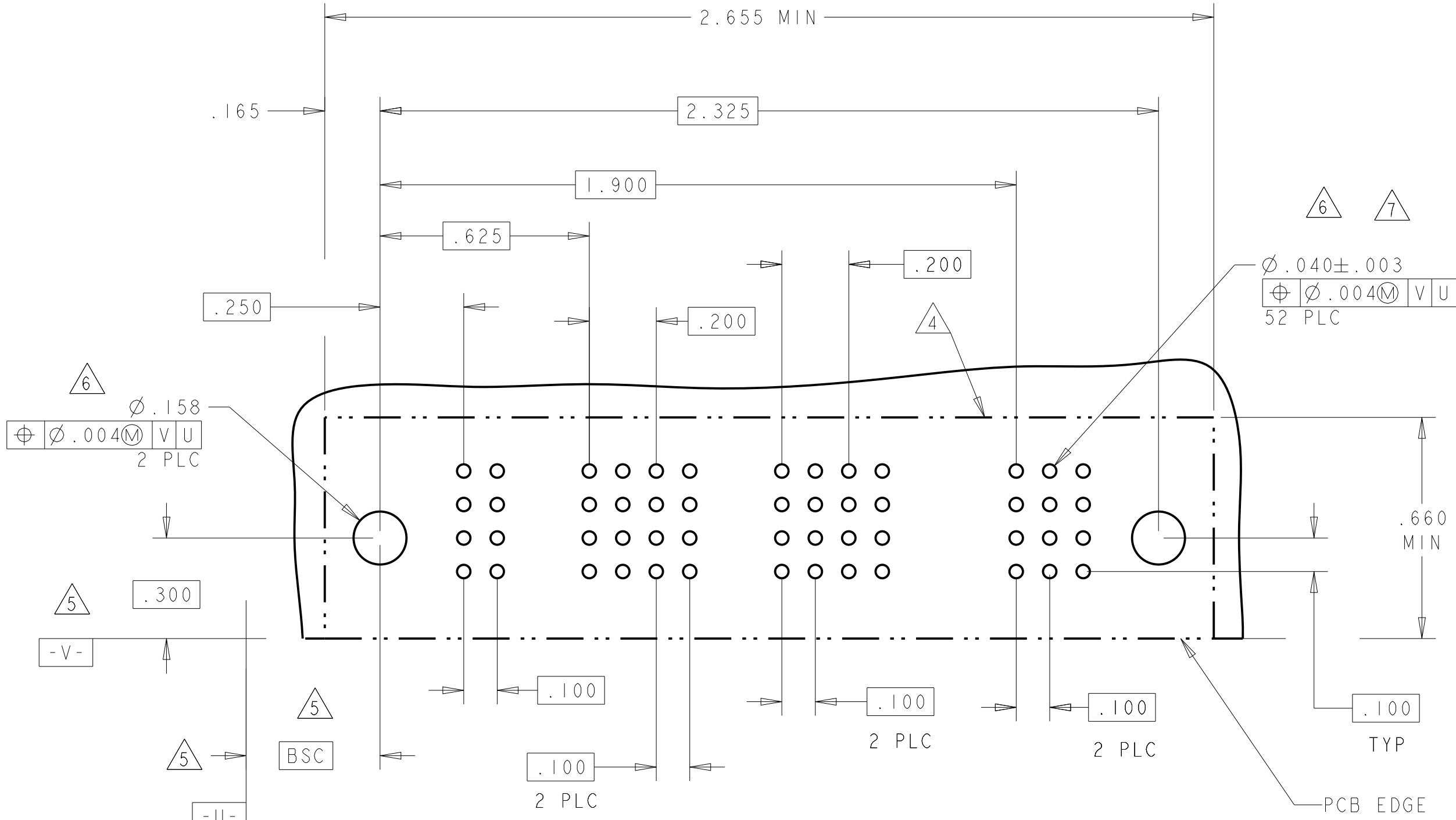
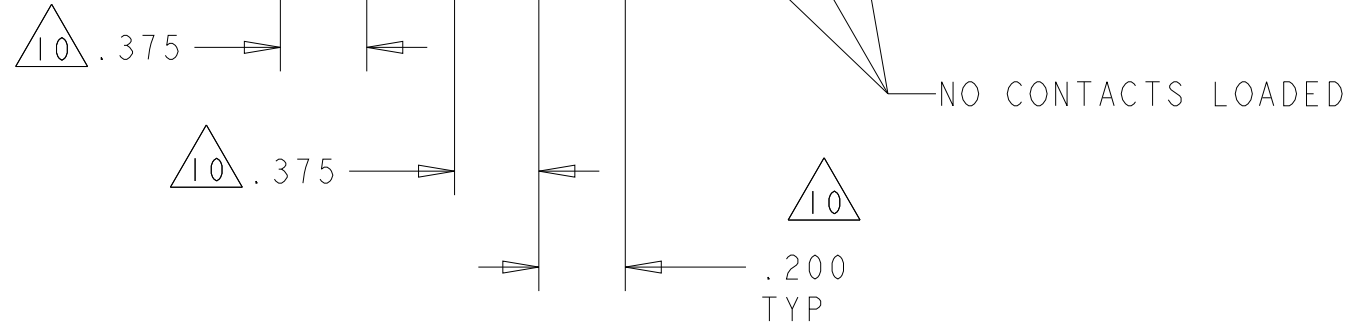
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			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	1	2	3	4	5	6	
6450332-5	D C B A															E	E	E	E	E	E		
			F	F	F	F	F	F	F	F													
			G	G	G	G	G	G	G	G													
			H	H	S	S	H	H															
14P + 24S																							



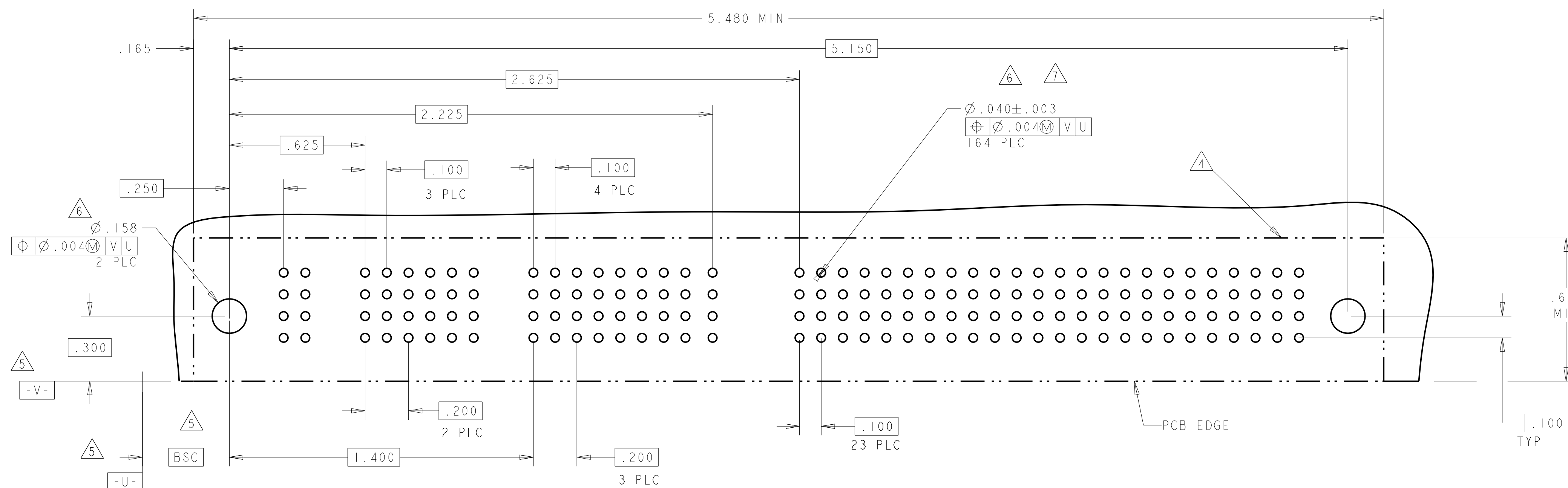
PART NUMBER	ROWS		POWER	SIGNAL						
			PI	1	2	3	4	5	6	
6450332-6	D C B A		PM 	E	E	E	E	E	J	
				F	F	F	F	F	F	
				G	G	G	G	G	G	
				H	H	H	H	H	H	
1P + 24S										



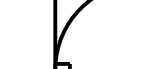
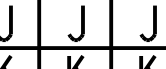
PART NUMBER	ROWS		POWER					SIGNAL							
			P1	P2	P3	P4	P5	1	2	3	4	5	6		
1-6450332-2	D C B A			PM	PM	PM	PM	PM				J	J	J	
												K	K	K	
												N	N	N	
												S	S	S	
5P + 24S															

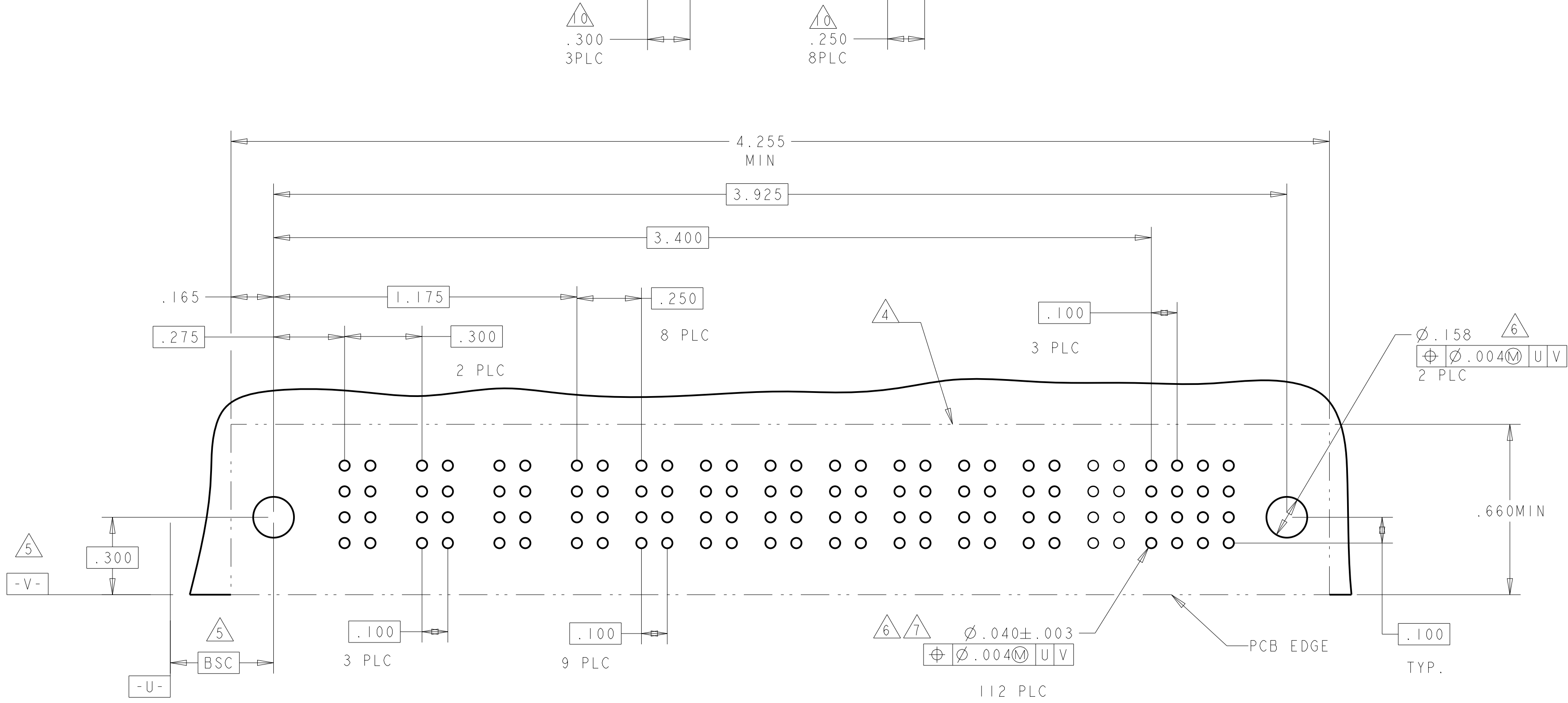


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN R. GRZYBOWSKI 24JAN05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 24JAN05	NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD W. PERCHERKE	PRODUCT SPEC	
0 PLC ±.01		108-1973	APPLICATION SPEC	
2 PLC ±.01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

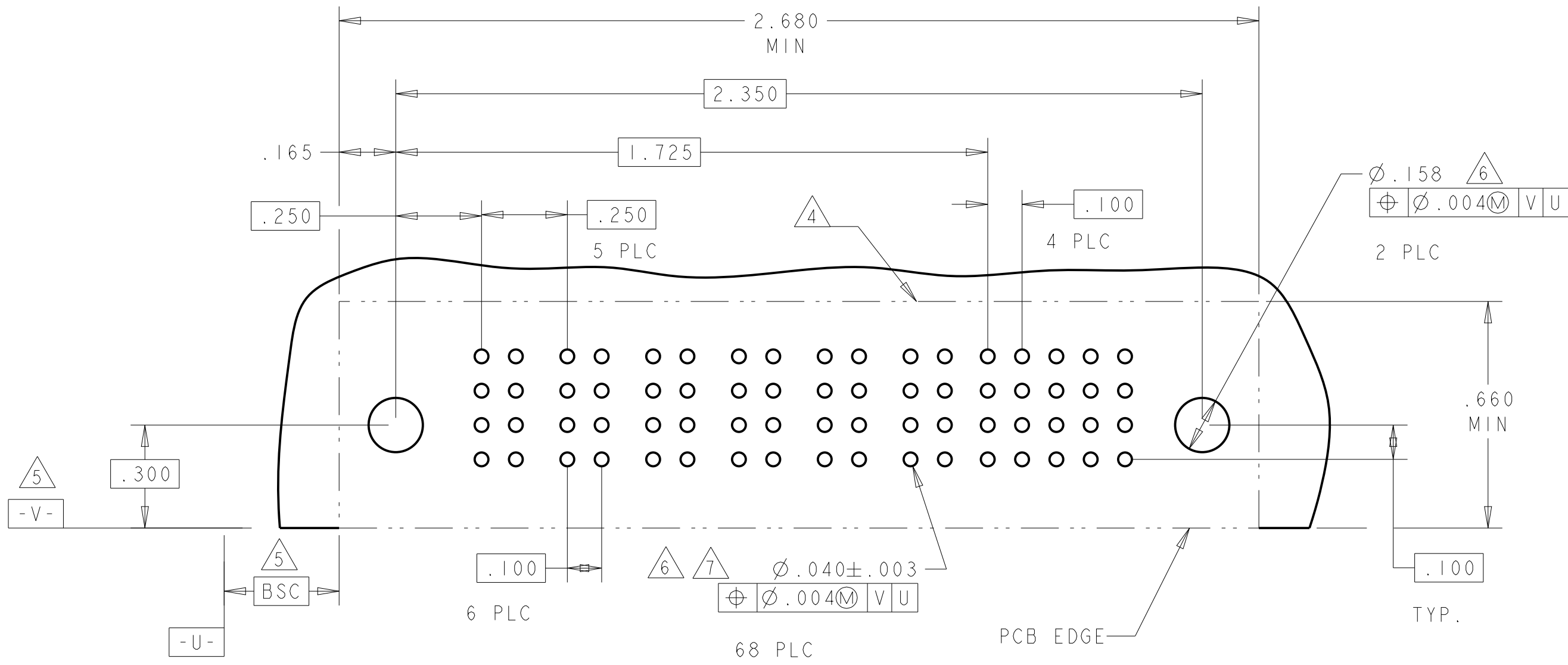
[illegible]4805 (3/11)

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
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				J	J	J	J											
					K	K	K	K											
					N	N	N	N											
					S	S	S	H											
3ACP + 9P + 16S																			

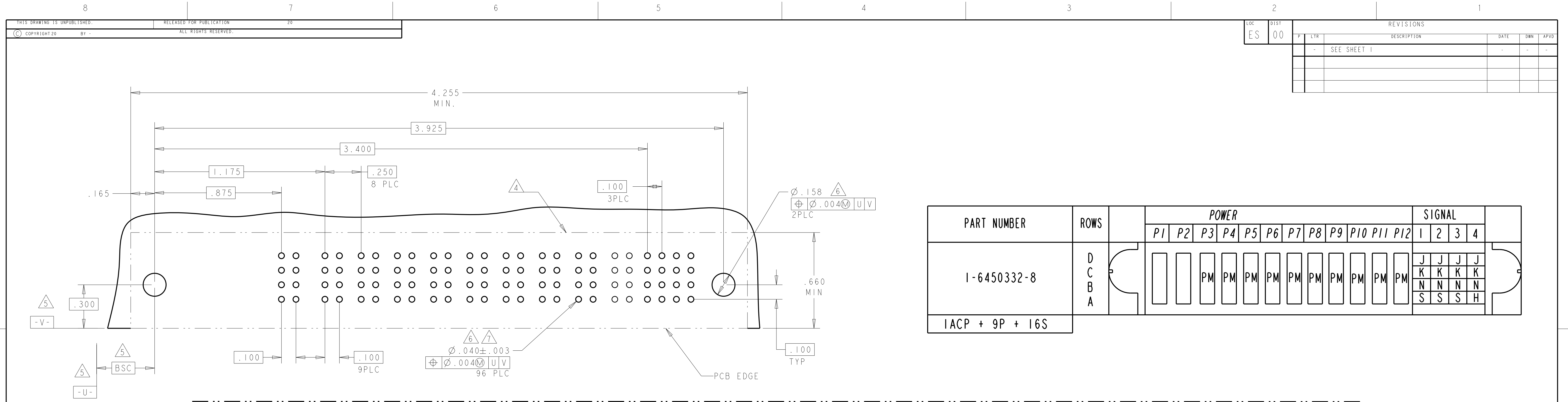


PART NUMBER	ROWS		POWER						SIGNAL					
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	
I-6450332-7	D C B A							J	J	J	J	J		
								K	K	K	K	K		
								N	N	N	N	N		
								H	S	S	S	S		
6P + 20S														

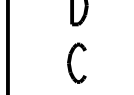


(B1) ADD SHEET 5 OF 6

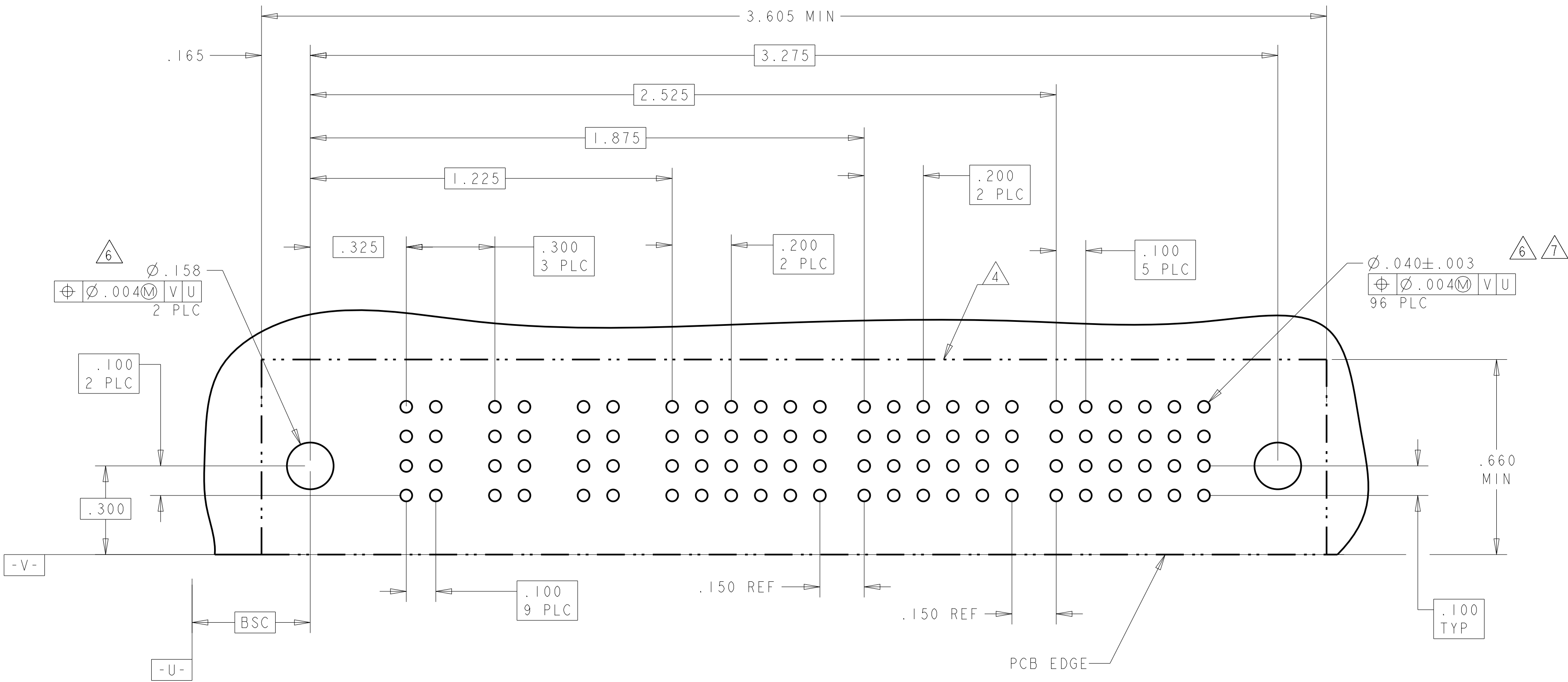
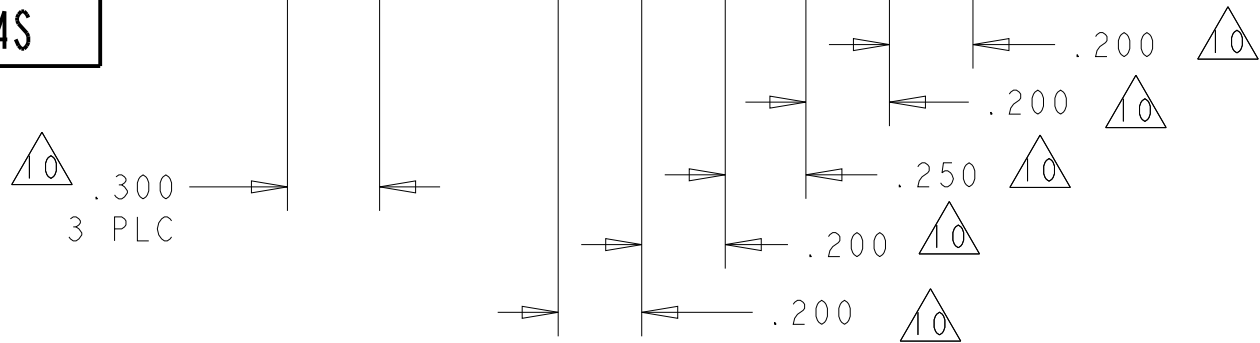
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 24JAN05	TE Connectivity	
DIMENSIONS:		CHK M. PERCHERKE 24JAN05	NAME	
INCHES		APVD W. PERCHERKE	RIGHT ANGLE SOLDER HEADER ASSEMBLY	
		PRODUCT SPEC	MULTI-BEAM XL	
		108-1973		
		APPLICATION SPEC		
		114-13038		
		WEIGHT		
		CUSTOMER DRAWING		
		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	
I-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										E	E	E	E	E	E
											K	F	F	F	F	F
											N	G	G	G	G	G
											H	H	H	H	H	S
3ACP + 6P + 24S																



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

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 ±.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

TE Connectivity

RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

SIZE: A1
CAGE CODE: 100779
DRAWING NO: 6450332
RESTRICTED TO: -

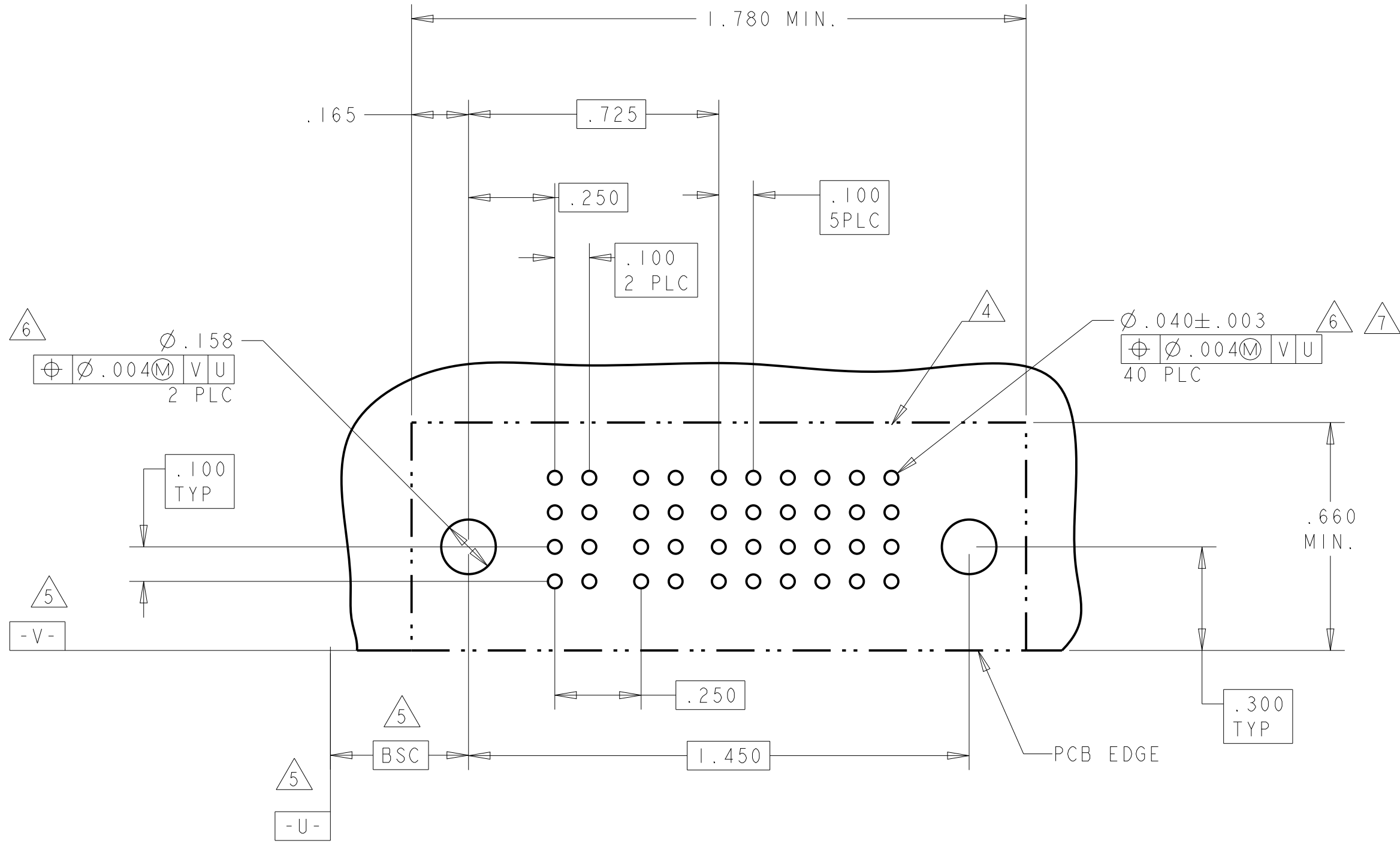
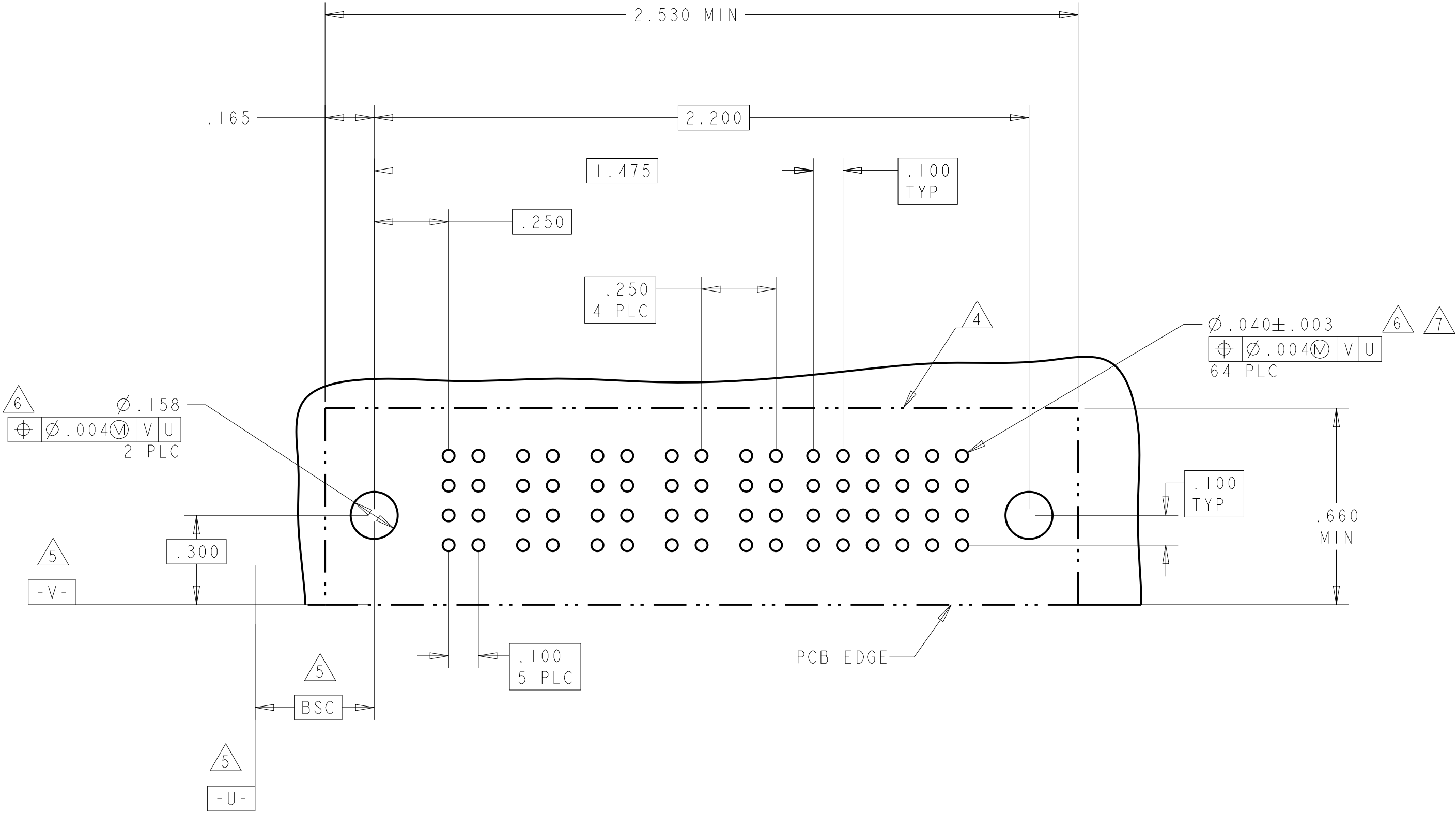
SCALE: 4:1
SHEET: 7 OF 13
REV: H6

4805 (3/11)

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

PART NUMBER	ROWS		POWER					SIGNAL							
			P1	P2	P3	P4	P5	1	2	3	4	5	6		
2-6450332-0	D			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.

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

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

-

TE Connectivity

RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

SCALE

4:1

SHEET

8

OF

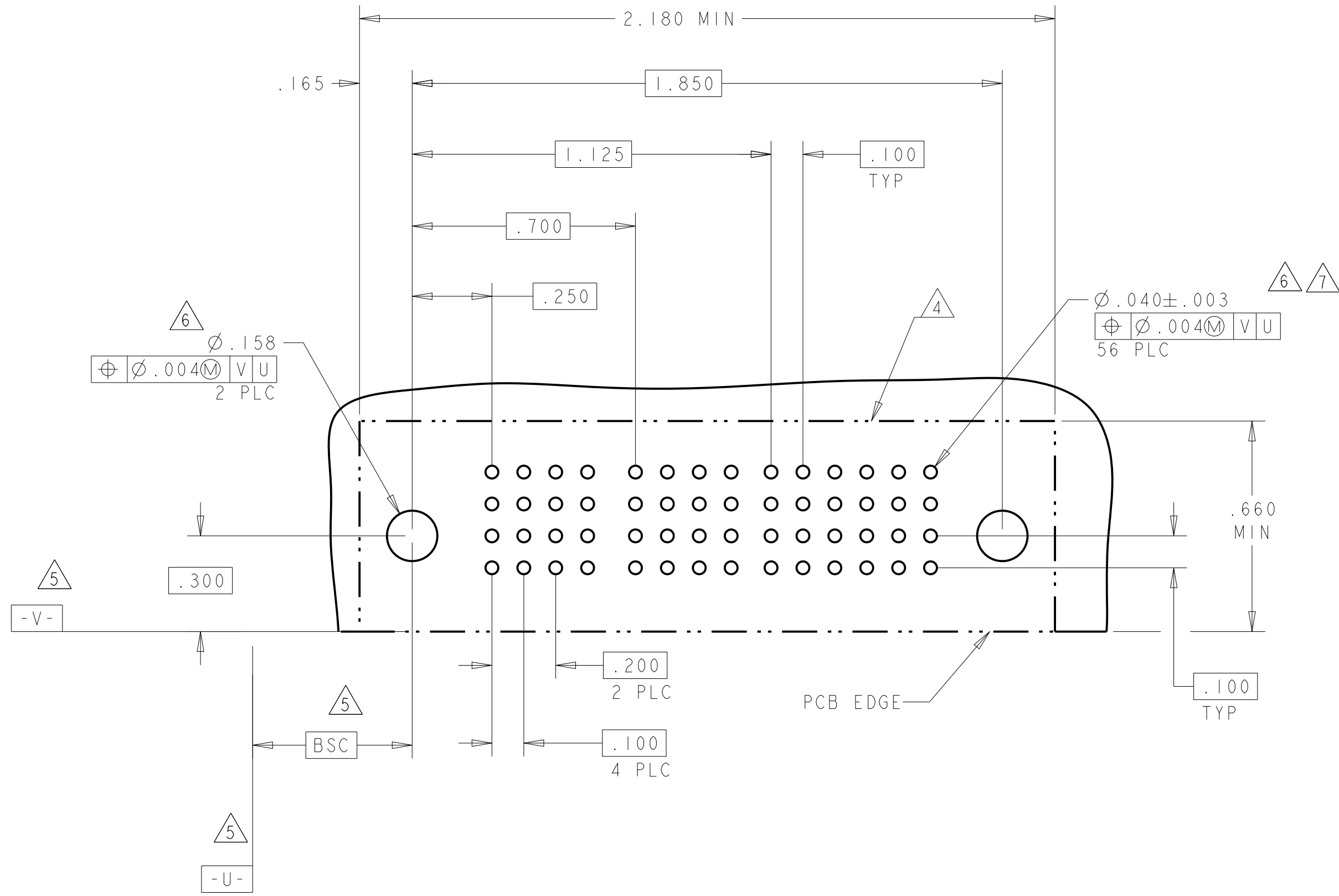
13

REV

H6

CUSTOMER DRAWING

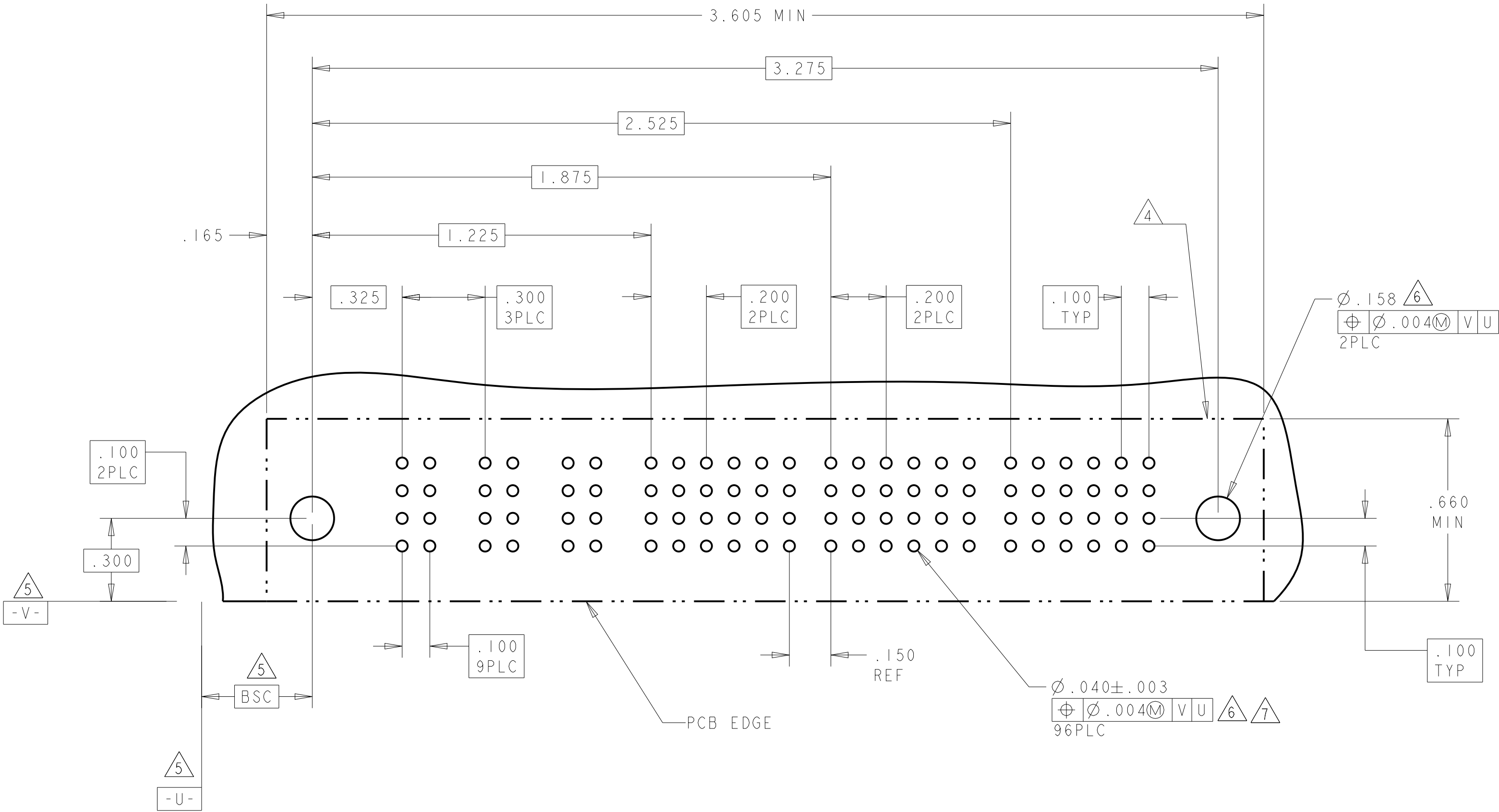
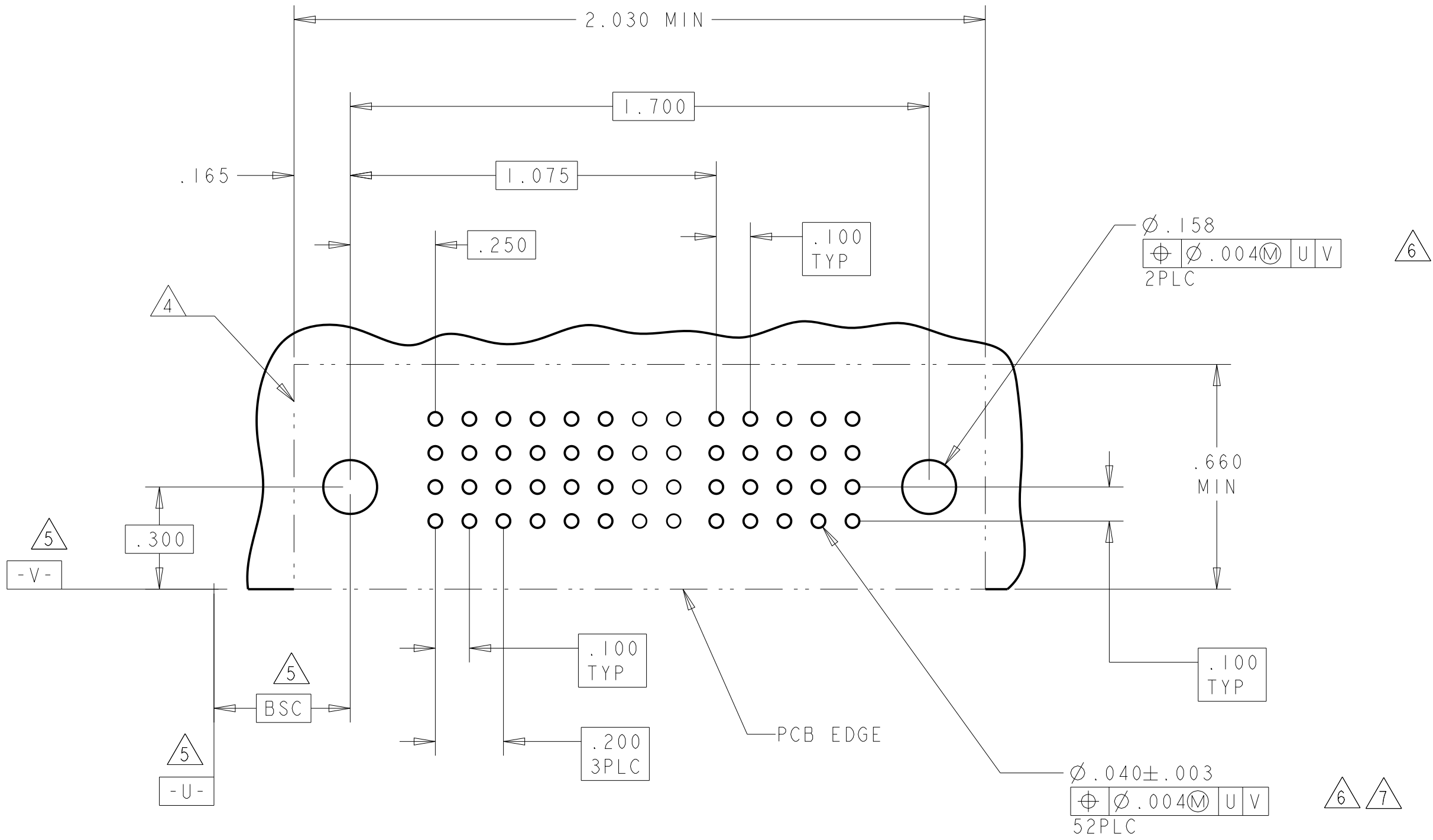
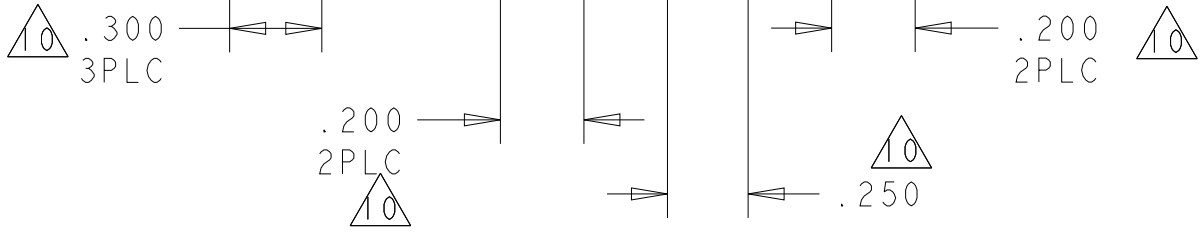
©=6450332

[illegible]4805 (3/11)

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

PART NUMBER	ROWS		POWER				SIGNAL					
			P1	P2	P3	P4	1	2	3	4	5	
2-6450332-6	D C B A											
4P + 20S												

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	S	
3ACP + 6P + 24S			300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300 300															



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

-

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 100779

DRAWING NO C=6450332

RESTRICTED TO

-

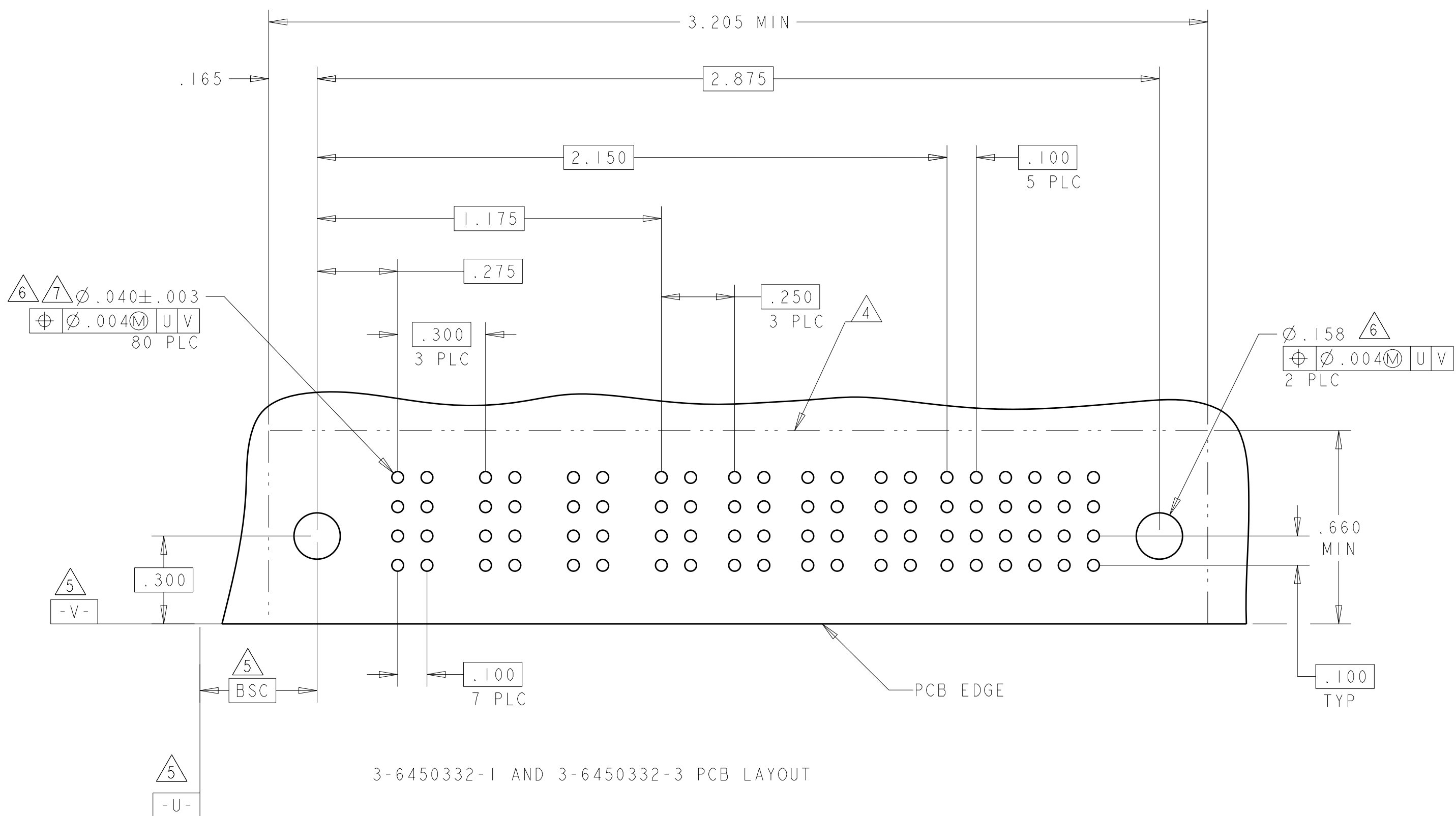
SCALE 4:1

SHEET 10

OF 13

REV H6

TE Connectivity

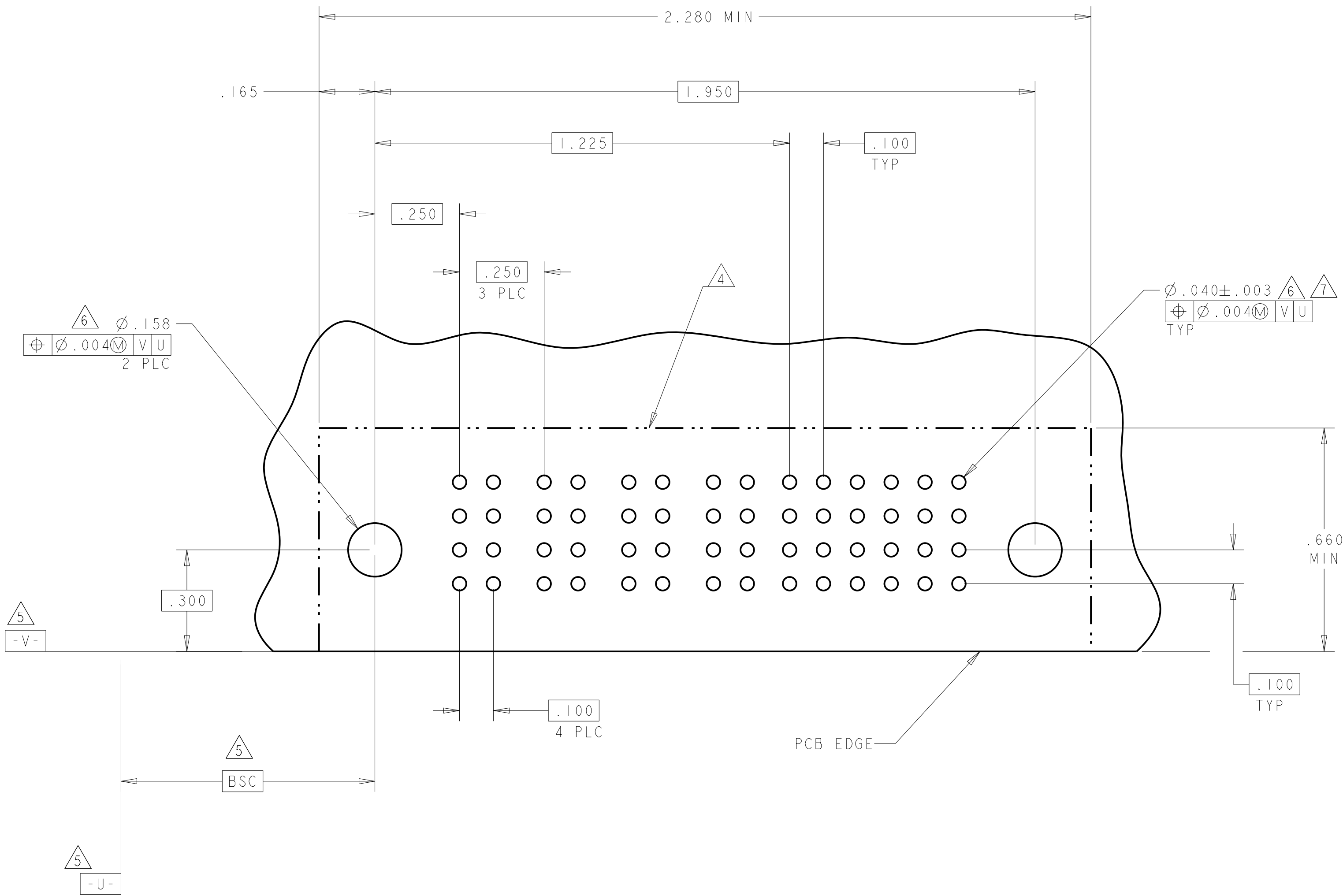






3-6450332-1 AND 3-6450332-3 PCB LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN. GRZYBOWSKI 24JAN05 CHK. M. PERCHERNE 24JAN05 APPR. M. PERCHERNE		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS: ±. FRACTIONS: ±. ANGLES: ±°		NAME: RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
		PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038		SIZE: CAGE CODE: DRAWING NO: A100779 © 6450332	
MATERIAL: - FINISH: -		WEIGHT: - CUSTOMER DRAWING: -		RESTRICTED TO: - SCALE: 4:1 SHEET 12 OF 13 REV H6	

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