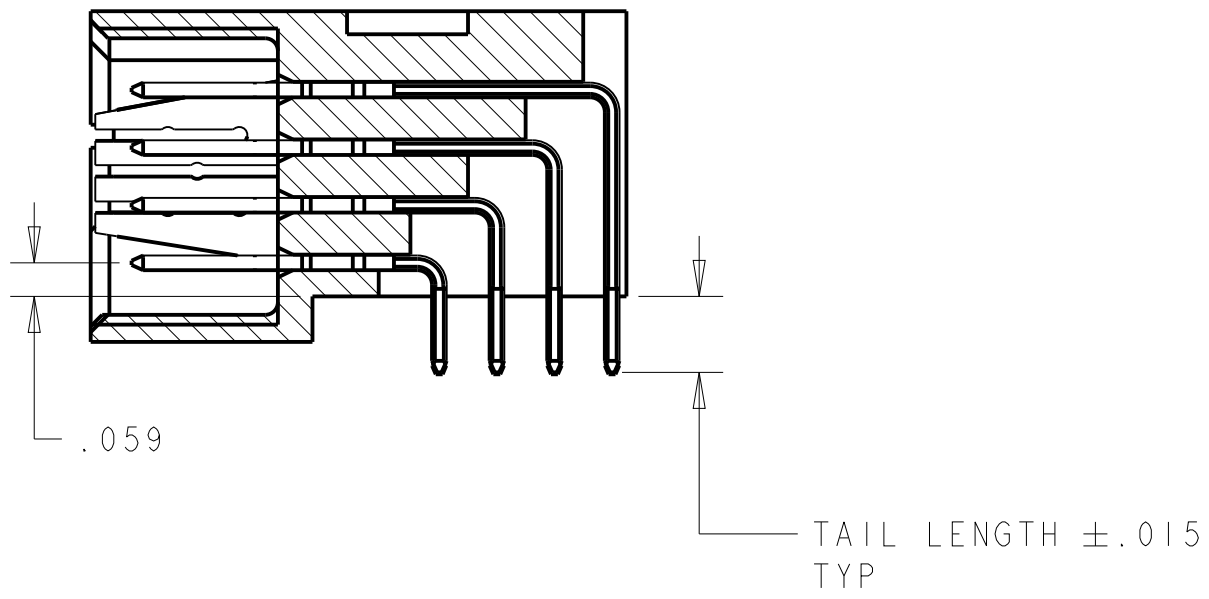
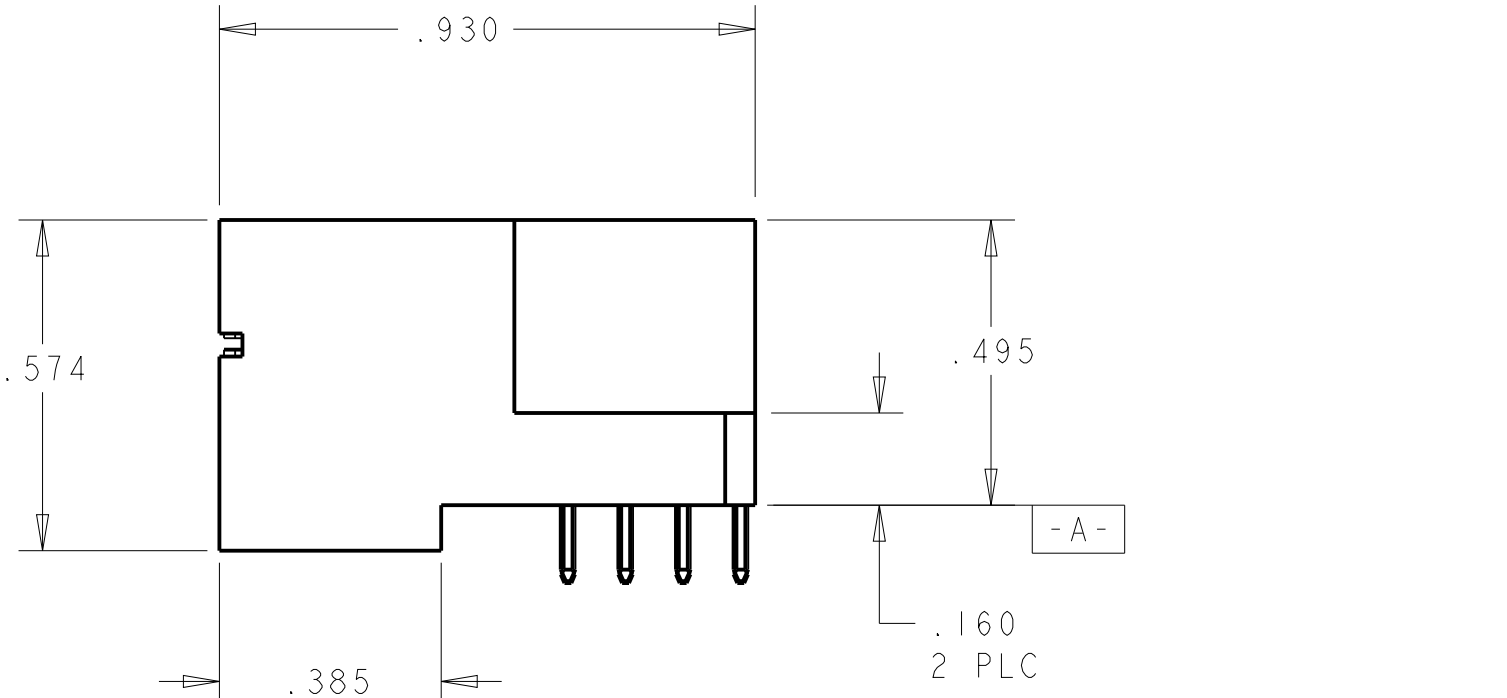
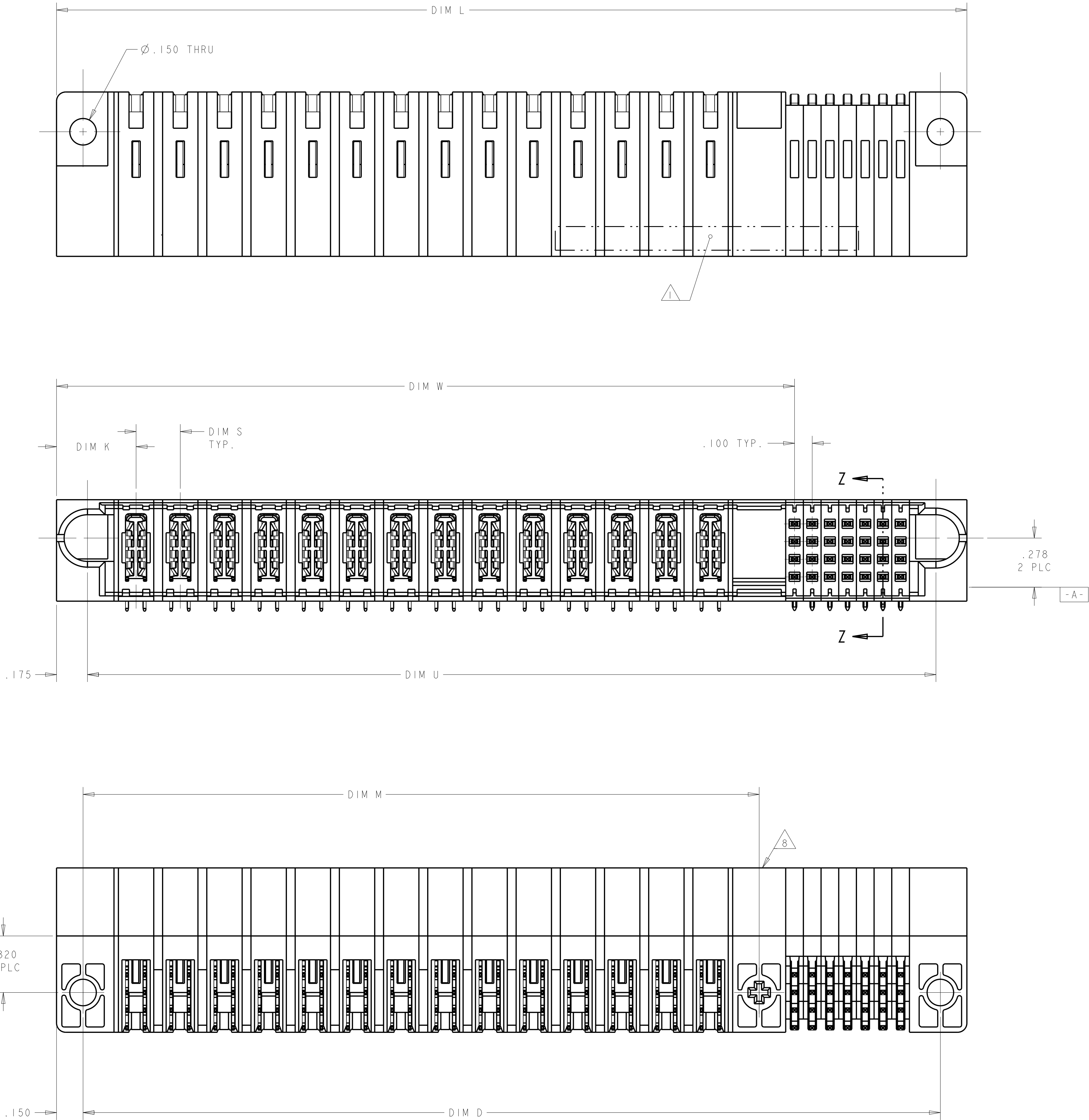


LOC	DIST	REVISIONS					
		P	LYR	DESCRIPTION	DATE	DWN	APVD
ES	00		H4	ADDED DASH NUMBER -33	25FEB2013	CZ	SZ



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 A100779C=6450332	
CUSTOMER DRAWING		WEIGHT		RESTRICTED TO	
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

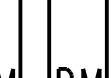
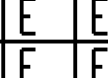
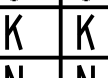
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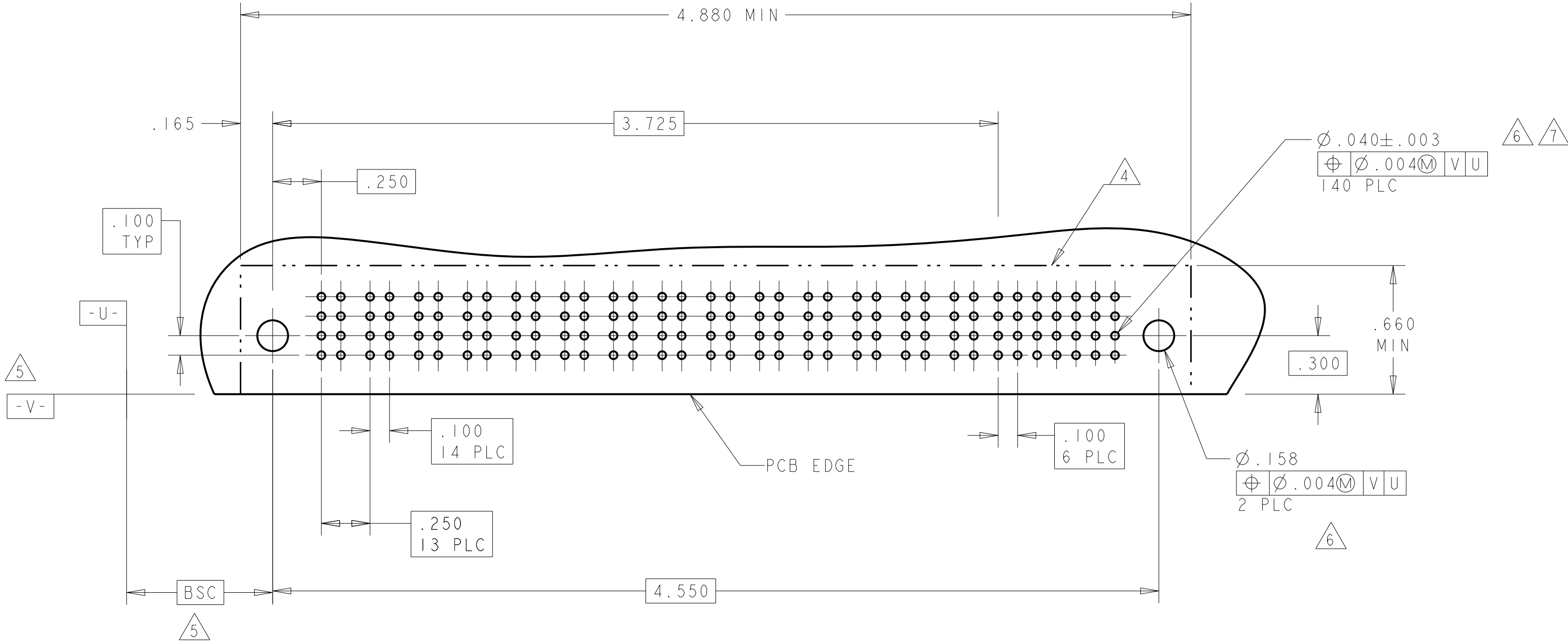
6450332

RESTRICTED TO

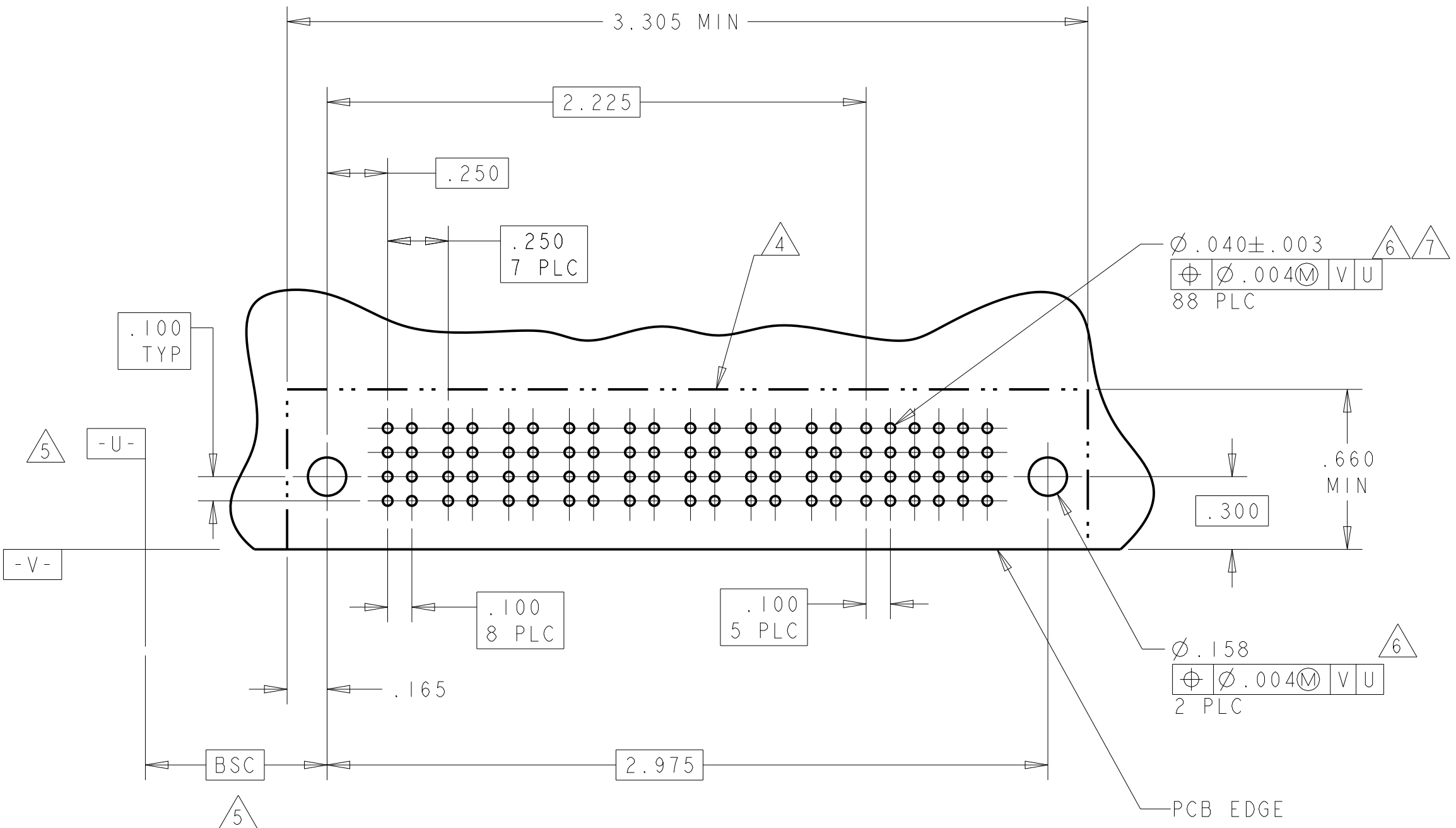
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LOC		DIST		REVISIONS			
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

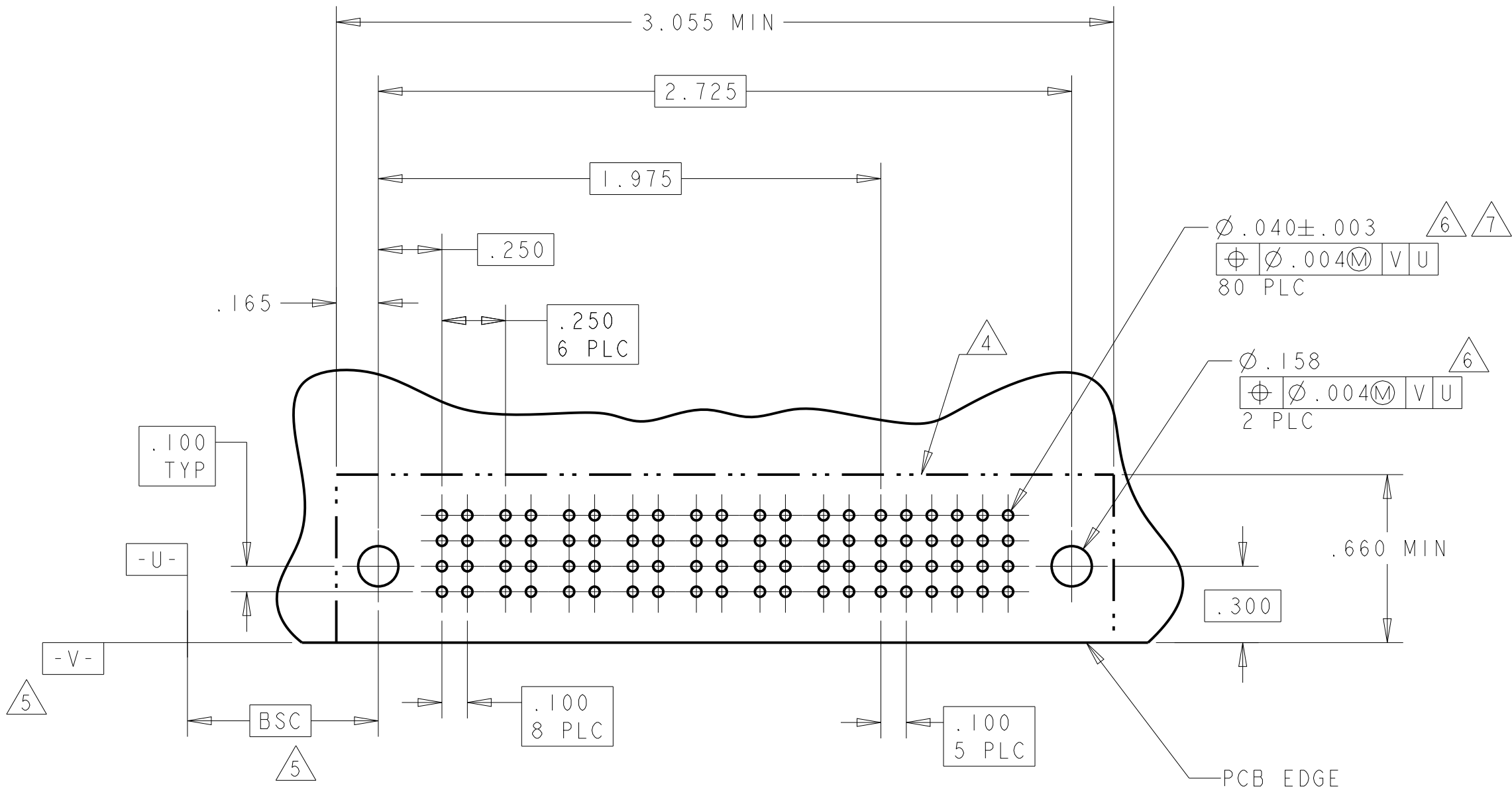
ASSY PART NUMBER	ROWS		POWER														SIGNAL																																																																																																																																																																																																																																																																																																																						
			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			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																	

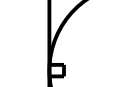


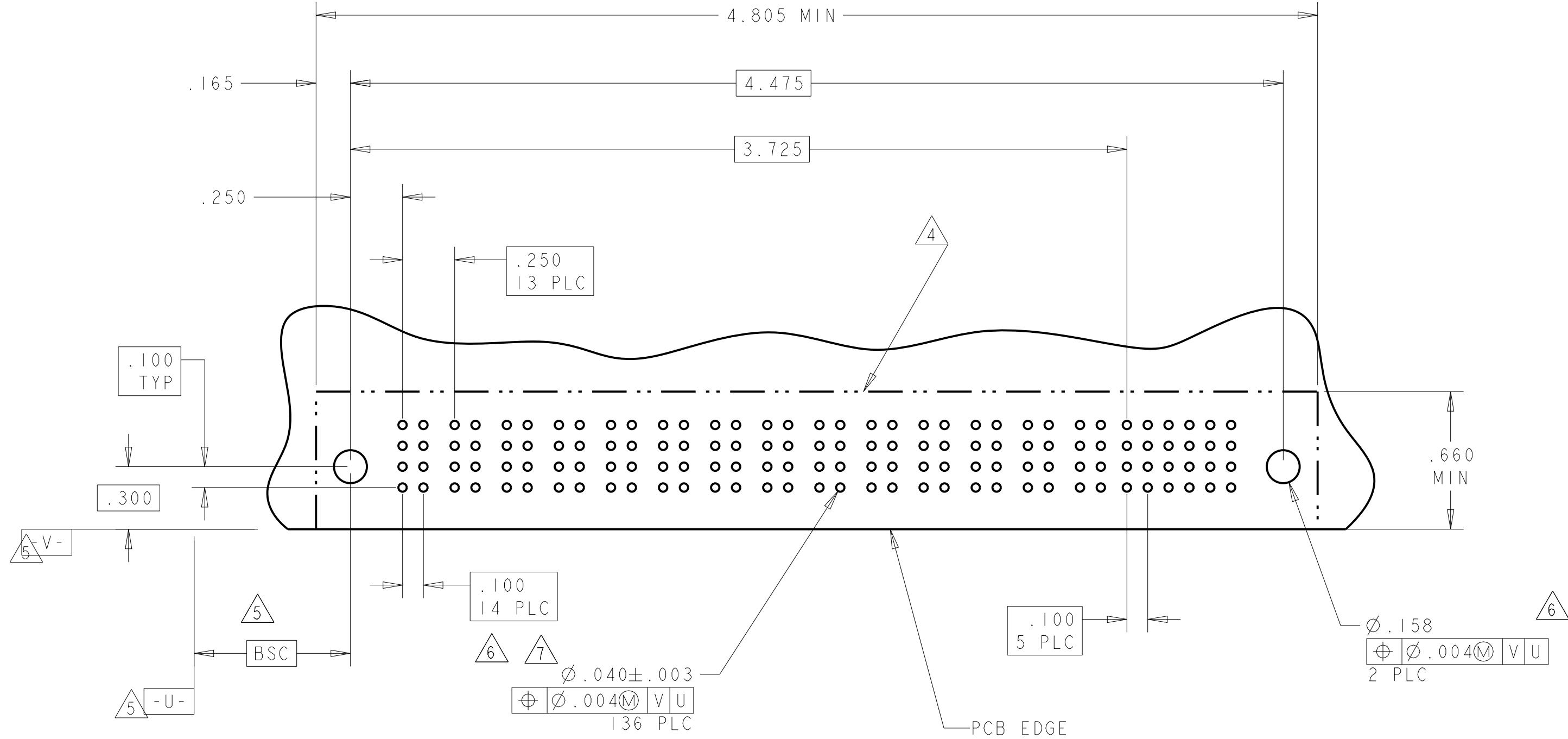
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Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL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

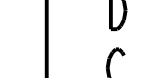
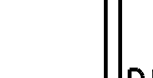
PA	.090
PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

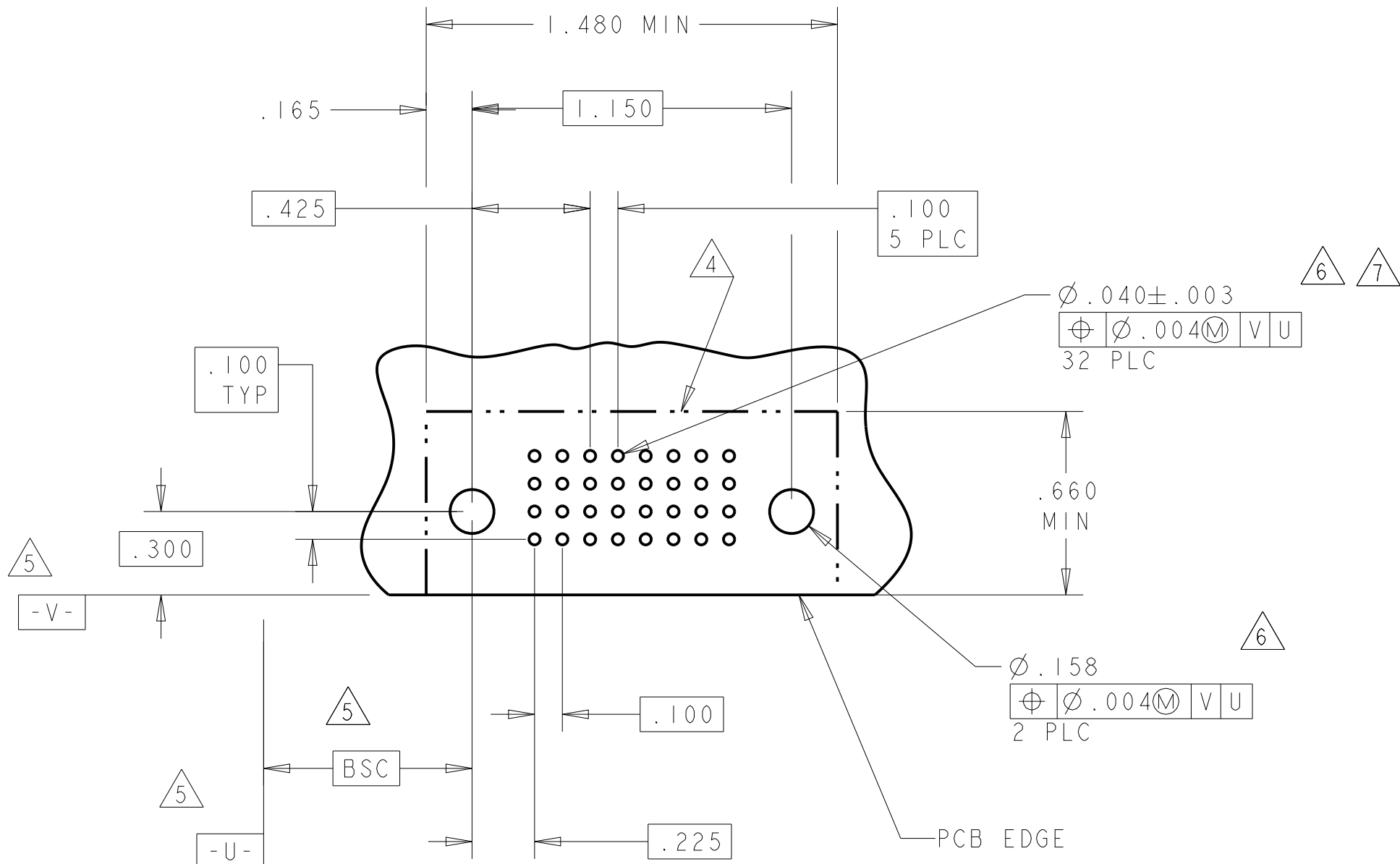
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 24JAN05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 24JAN05	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
0 PLC ±.01		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
1 PLC ±.01		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		REVISIONS				
ES		00		P	LTR	DESCRIPTION		DATE
						SEE SHEET 1		

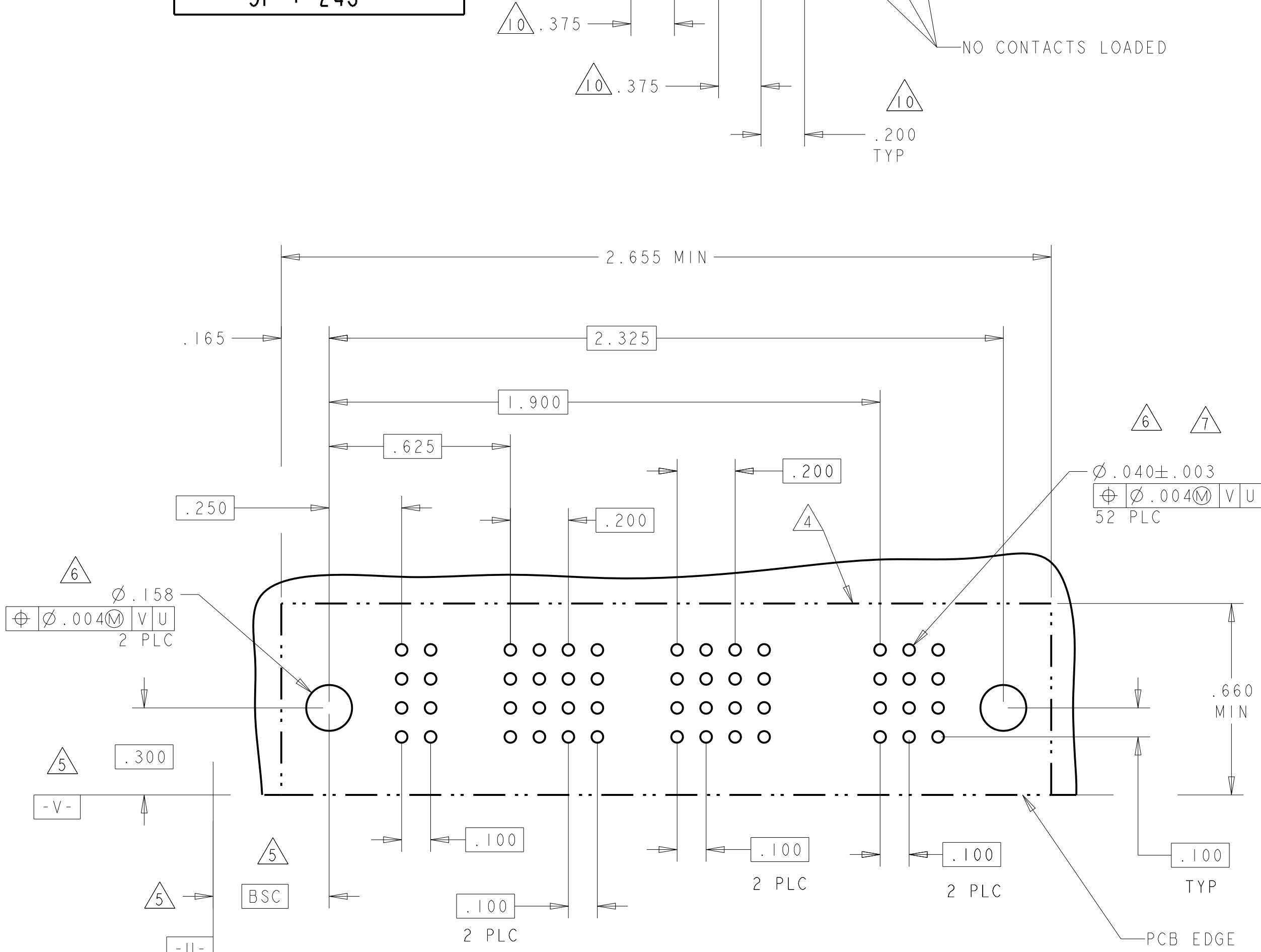
PART NUMBER	ROWS		POWER														SIGNAL																																																																																																																																																																																																																																																																	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



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										J	J	J		
												K	K		K
												N	N		N
												S	S		S
5P + 24S															



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±.01
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES ±.020
FINISH

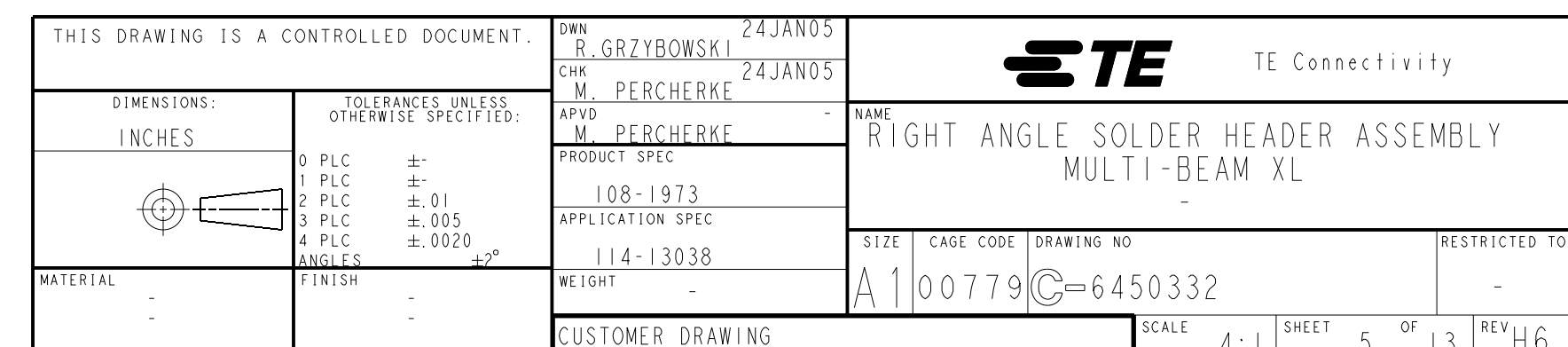
PRODUCT SPEC
108-1973
APPLICATION SPEC
114-13038
WEIGHT
CUSTOMER DRAWING

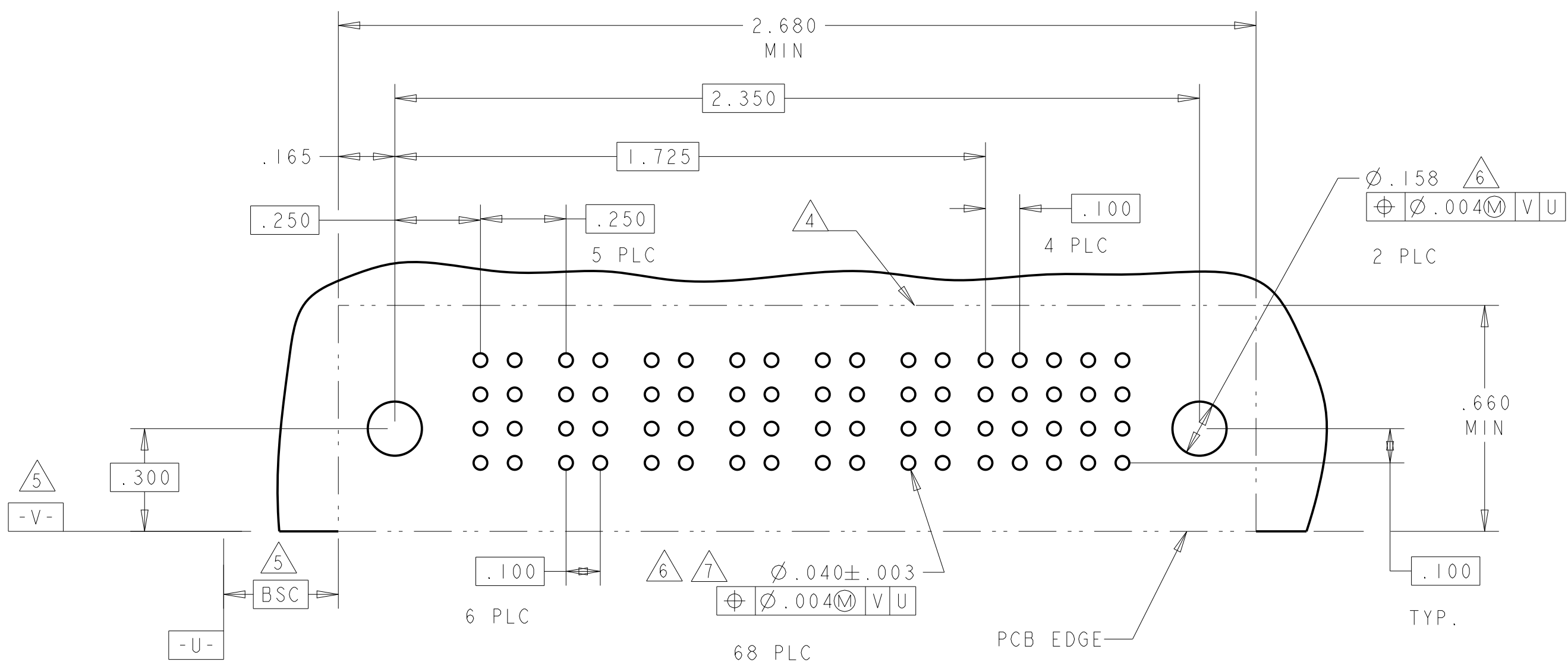
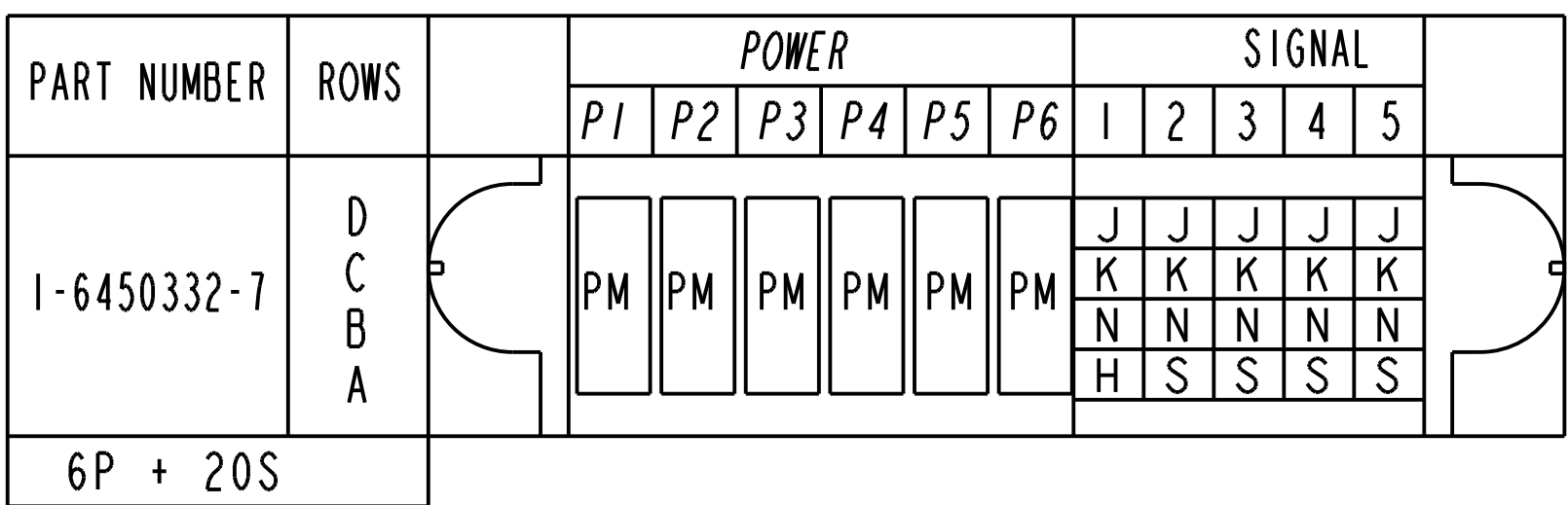
TE Connectivity

RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

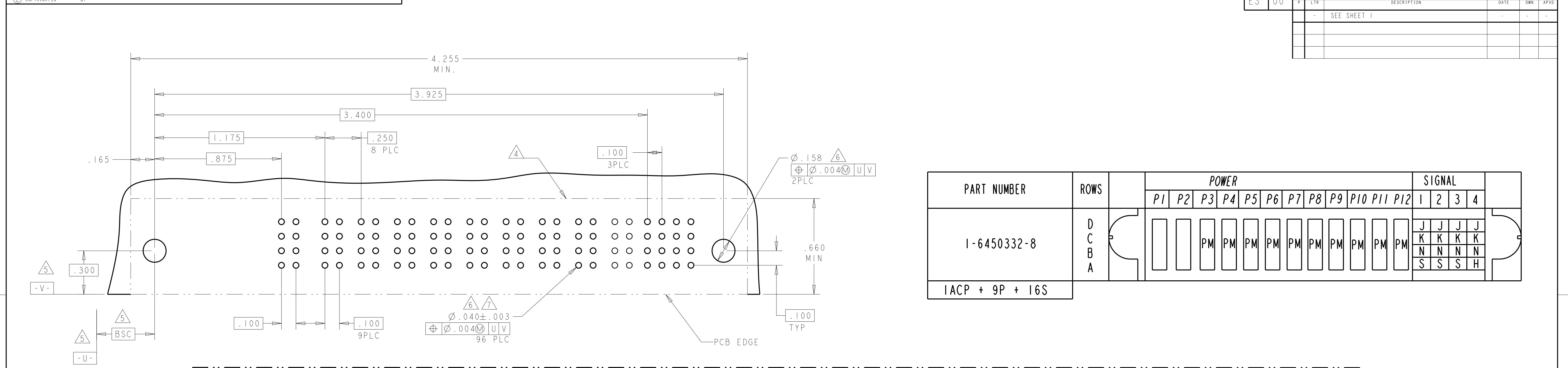
SIZE CAGE CODE DRAWING NO
A100779C=6450332

RESTRICTED TO
H6

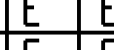
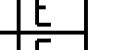
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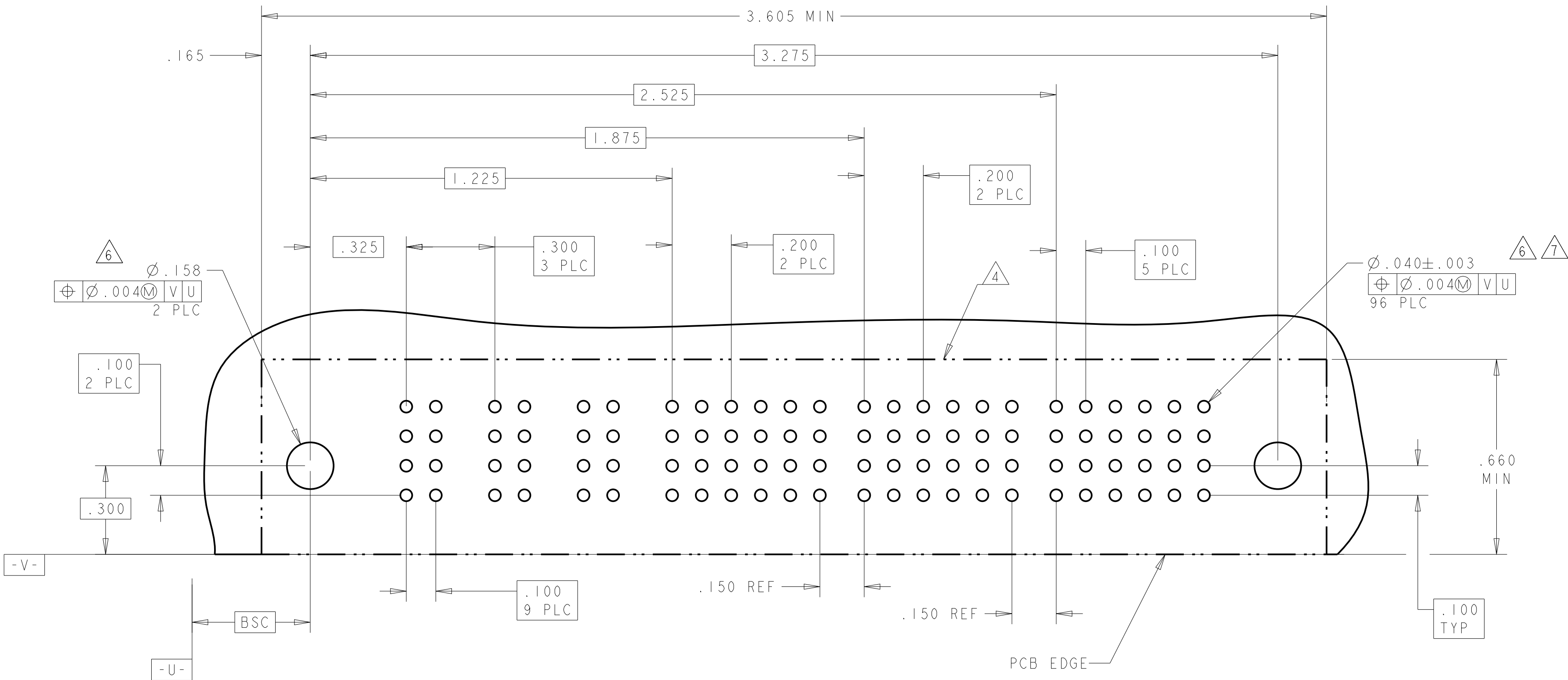


THIS DRAWING IS A CONTROLLED DOCUMENT.						DWN J. GRZYBOWSKI		24JAN05		
						CHK M. PERCHERRE		24JAN05		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:						TE Connectivity		
		0 PL/C ±. 1 PL/C ±. 2 PL/C ±.01 3 PL/C ±.005 4 PL/C ±.0020 ANGLES ±2°				NAME		RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL -		
		PRODUCT SPEC				PART NO				
		108-1973				APPLICATION SPEC				
MATERIAL		FINISH				SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO
-		-				A1		100779	6450332	-
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	1	2	3	4	5	6	
6450332-9	D C B A											J	E	J	J	J	E	
												K	K	K	K	F	F	
												N	N	N	N	G	G	
												S	S	S	S	H	S	
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.

OWN
R. GRZYBOWSKI
CHK
M. PERCHERKE
APVD
M. PERCHERKE

24JAN05
24JAN05

DIMENSIONS:
INCHES

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

MATERIAL

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

CUSTOMER DRAWING

NAME

RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A1

00779

C=6450332

SCALE

4:1

SHEET

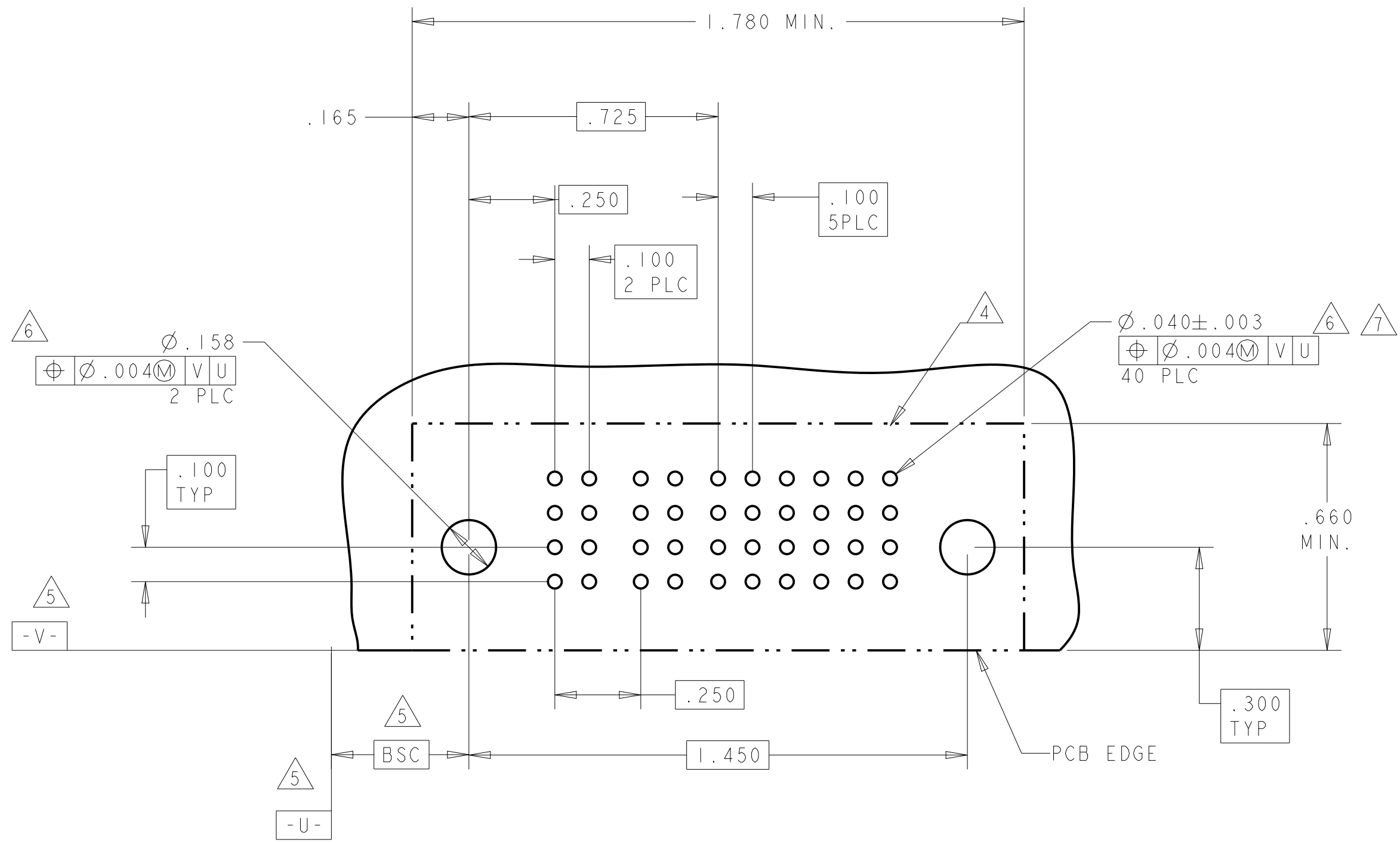
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OF

13

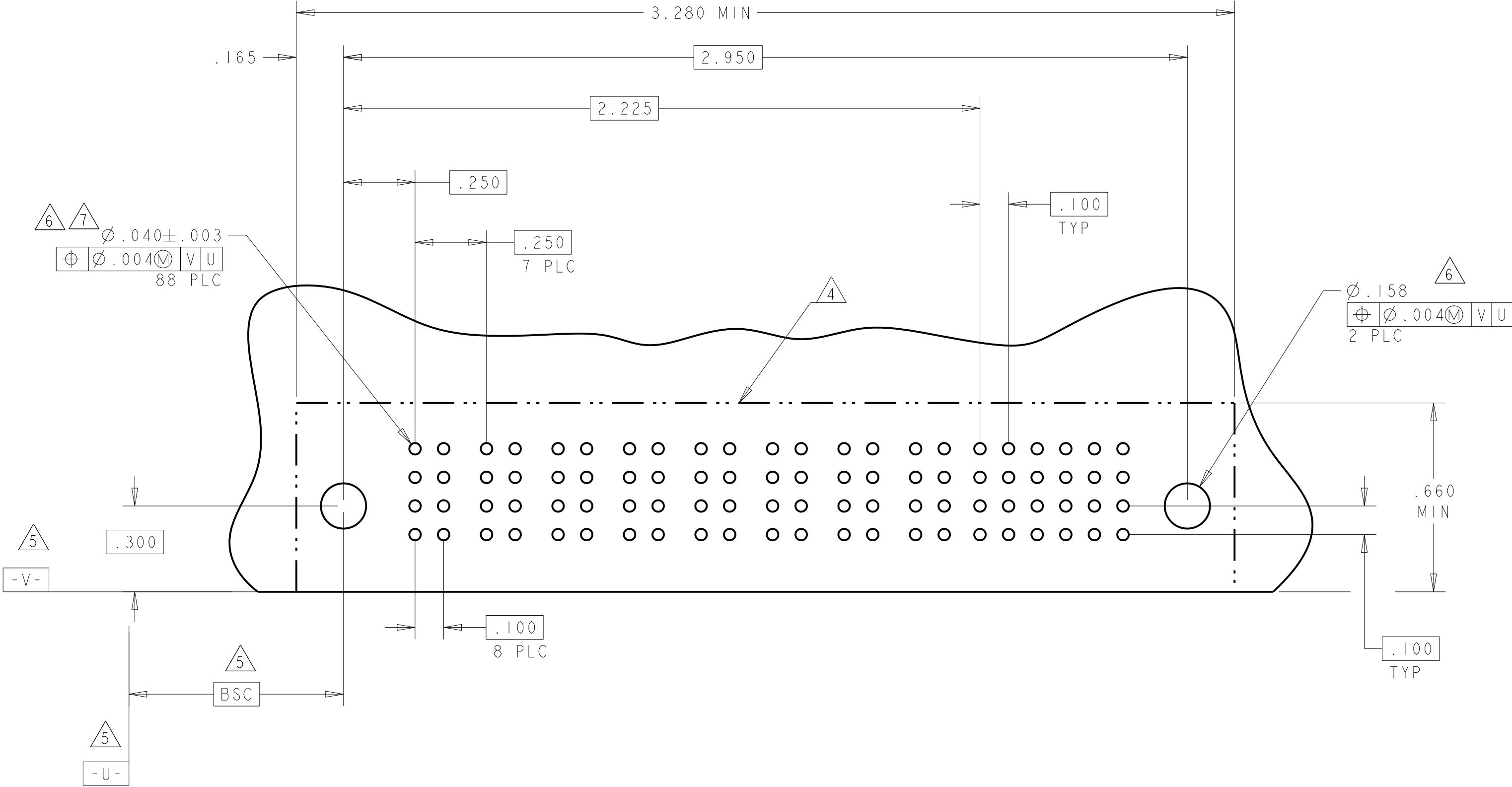
REV

H6

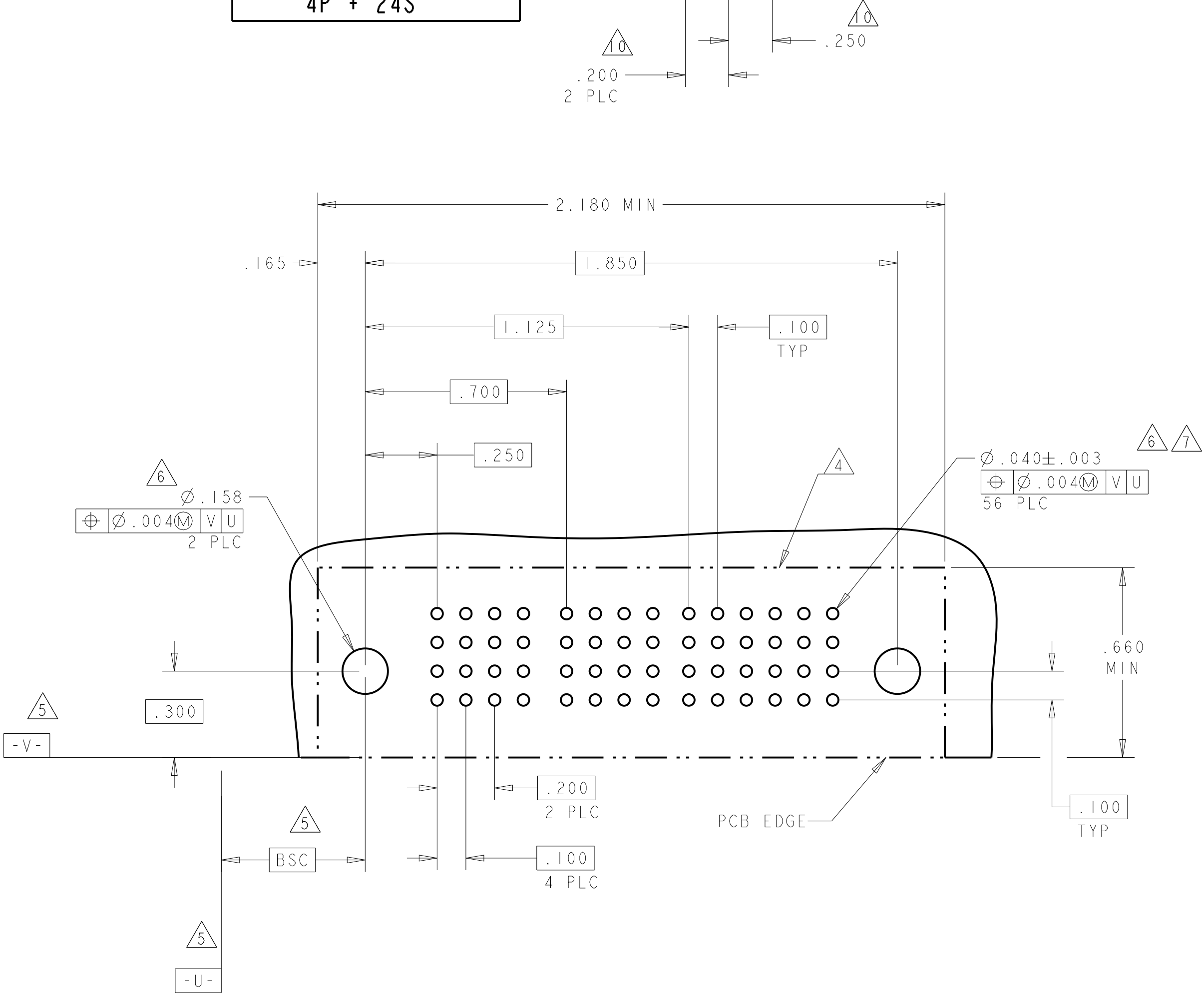
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LOC		DIST		REVISIONS				
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
		-		SEE SHEET 1	-	-	-	

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	
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	
							K	F	F	F	F	F	
							N	G	G	G	G	G	
4P + 24S							H	H	H	H	H	S	



THIS DRAWING IS A CONTROLLED DOCUMENT.

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

NAME

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT

MATERIAL

CUSTOMER DRAWING

SCALE 4:1

SHEET 9 OF 13

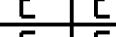
REV H6

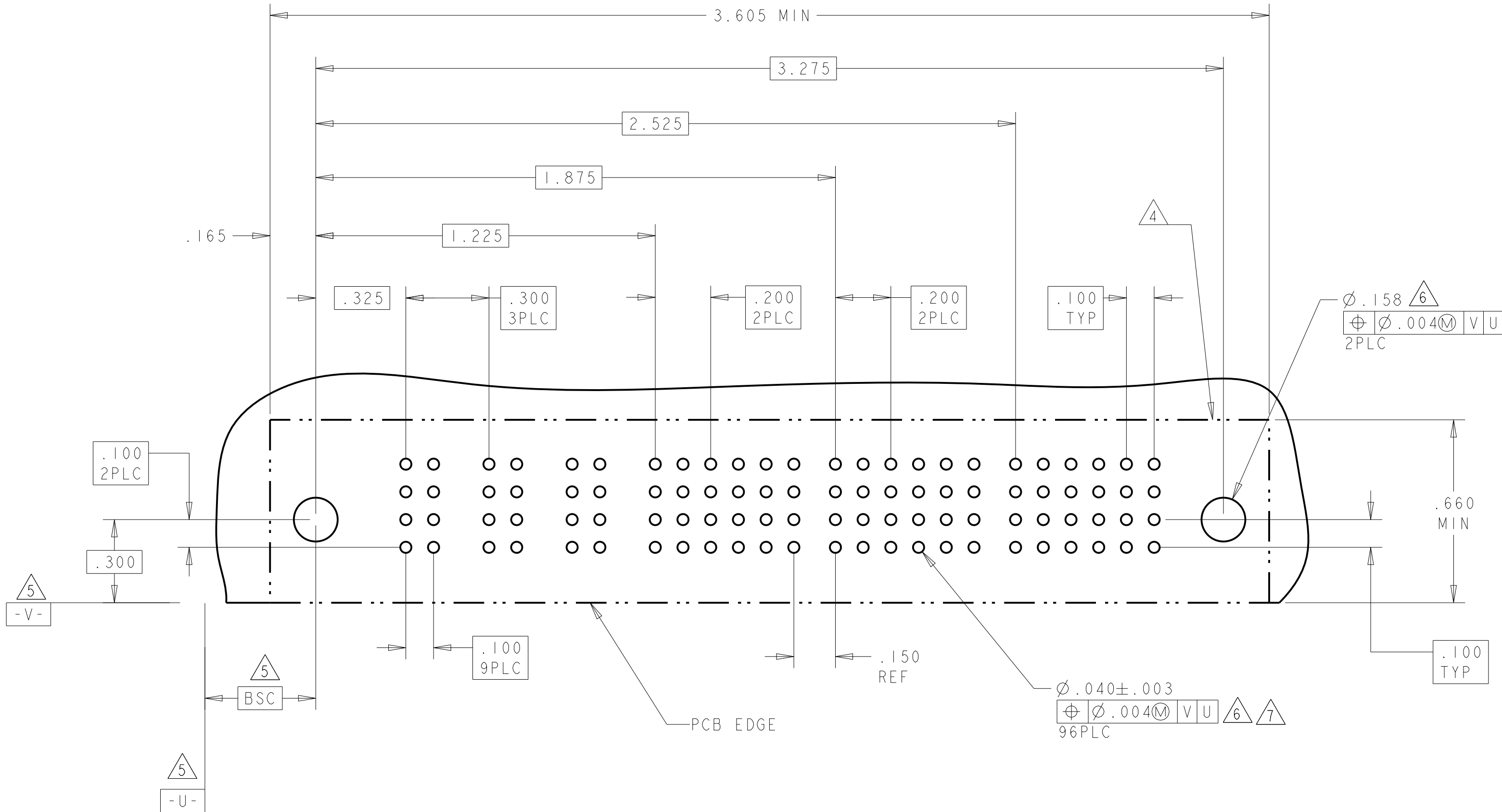
TE Connectivity

RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

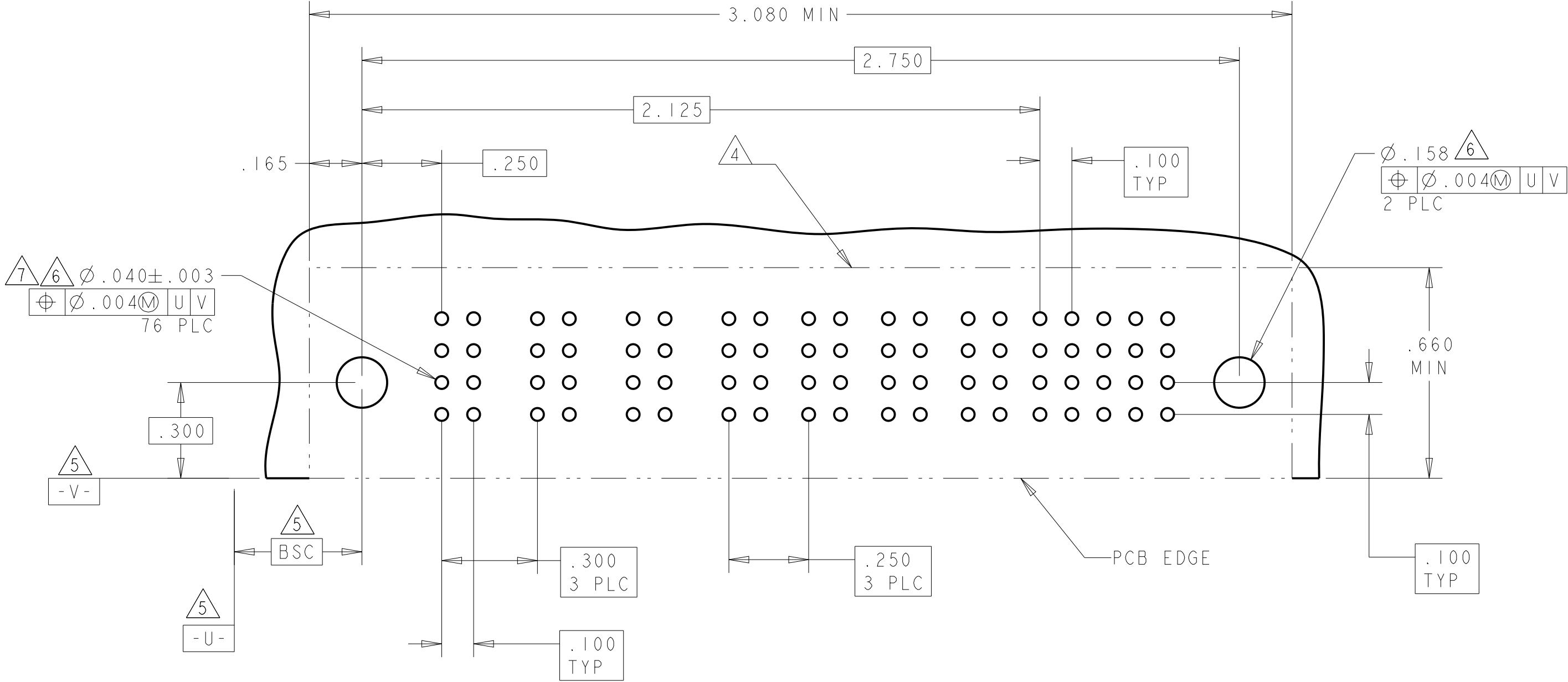
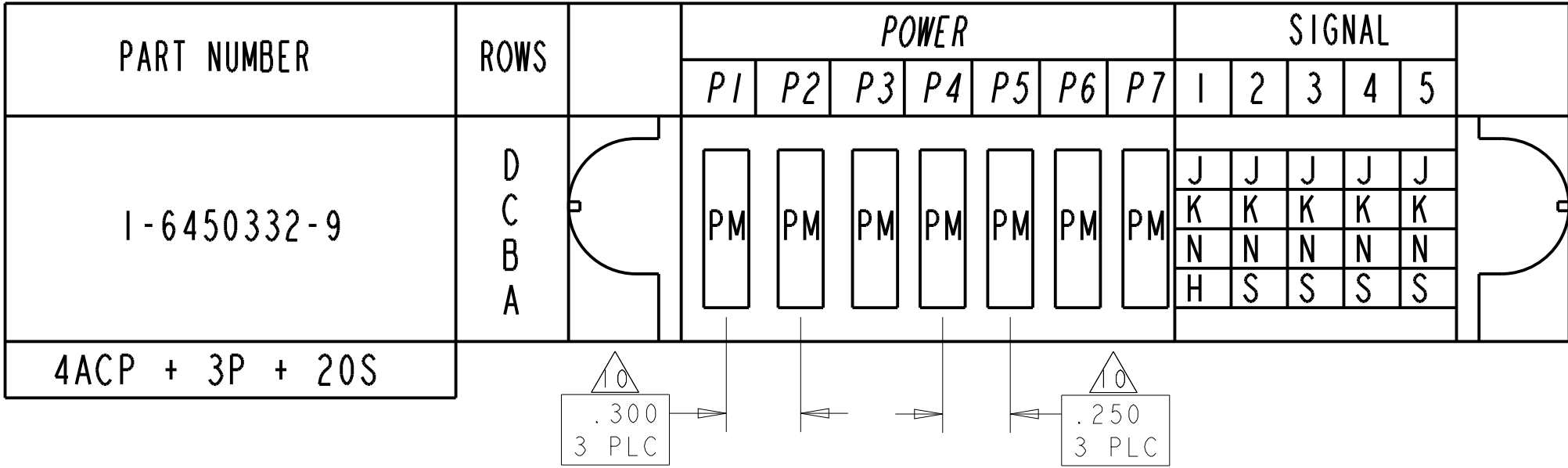
SIZE CAGE CODE DRAWING NO
A100779C=6450332

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																																																																																																																																																						

4805 (3/11)

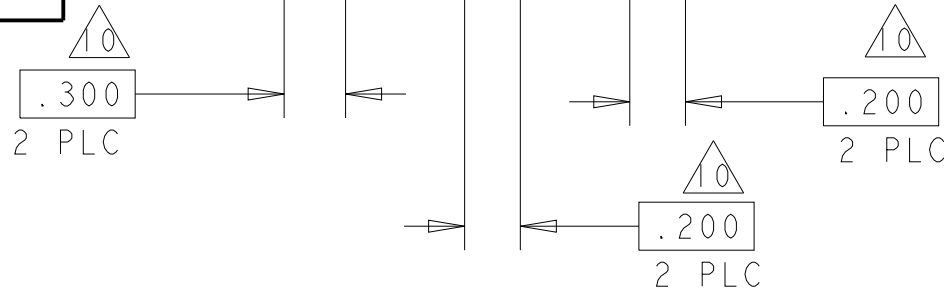
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-	-	SEE SHEET 1	-	-	-



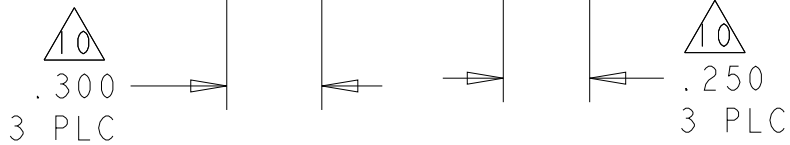
THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN R. GRZYBOWSKI CHK M. PERCHERKE 24JAN05				TE Connectivity		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME		RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL			
		0 PLC ±.01		PRODUCT SPEC		SIZE			
		1 PLC ±.01		108-1973					
		2 PLC ±.01	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

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

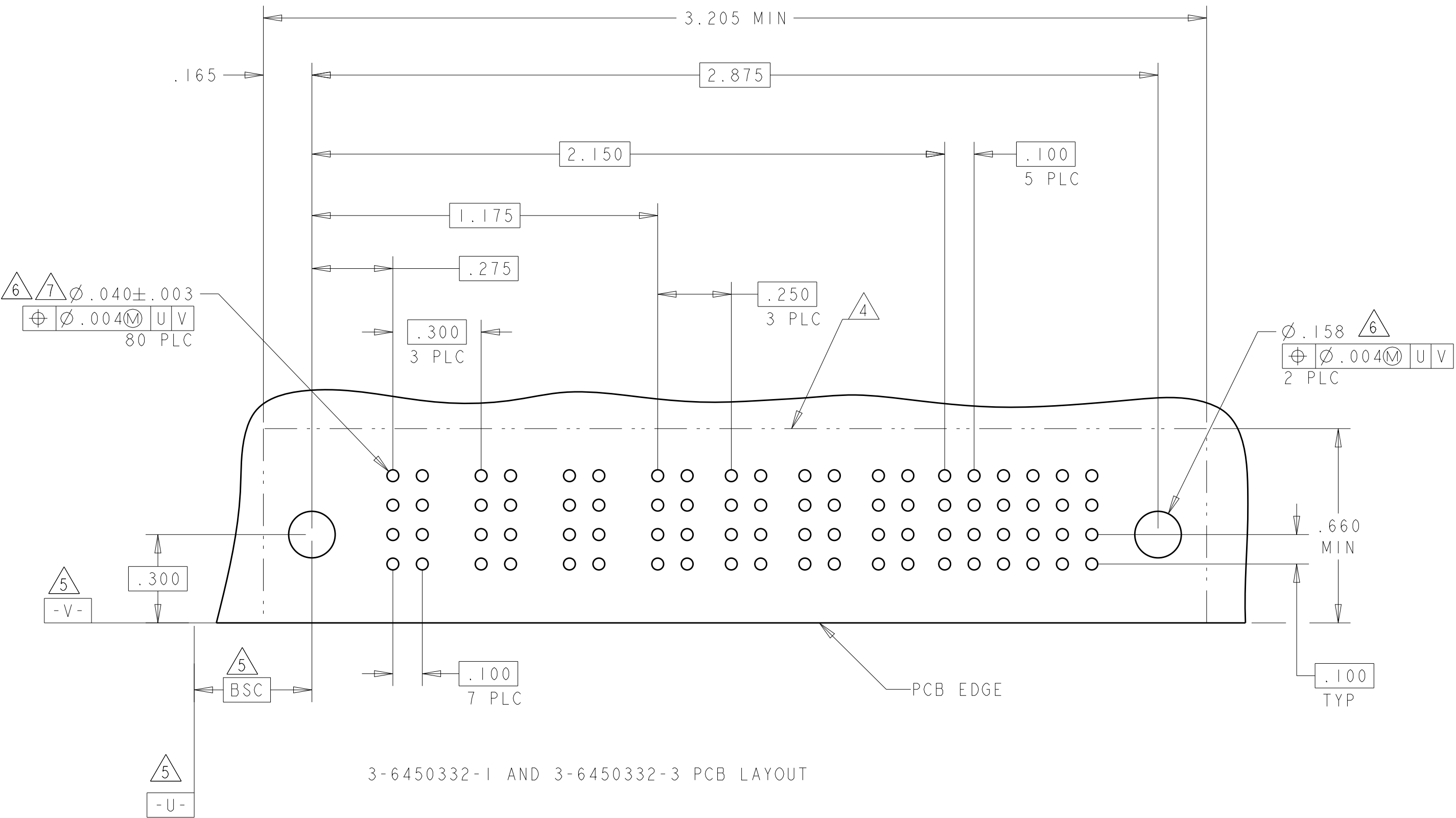
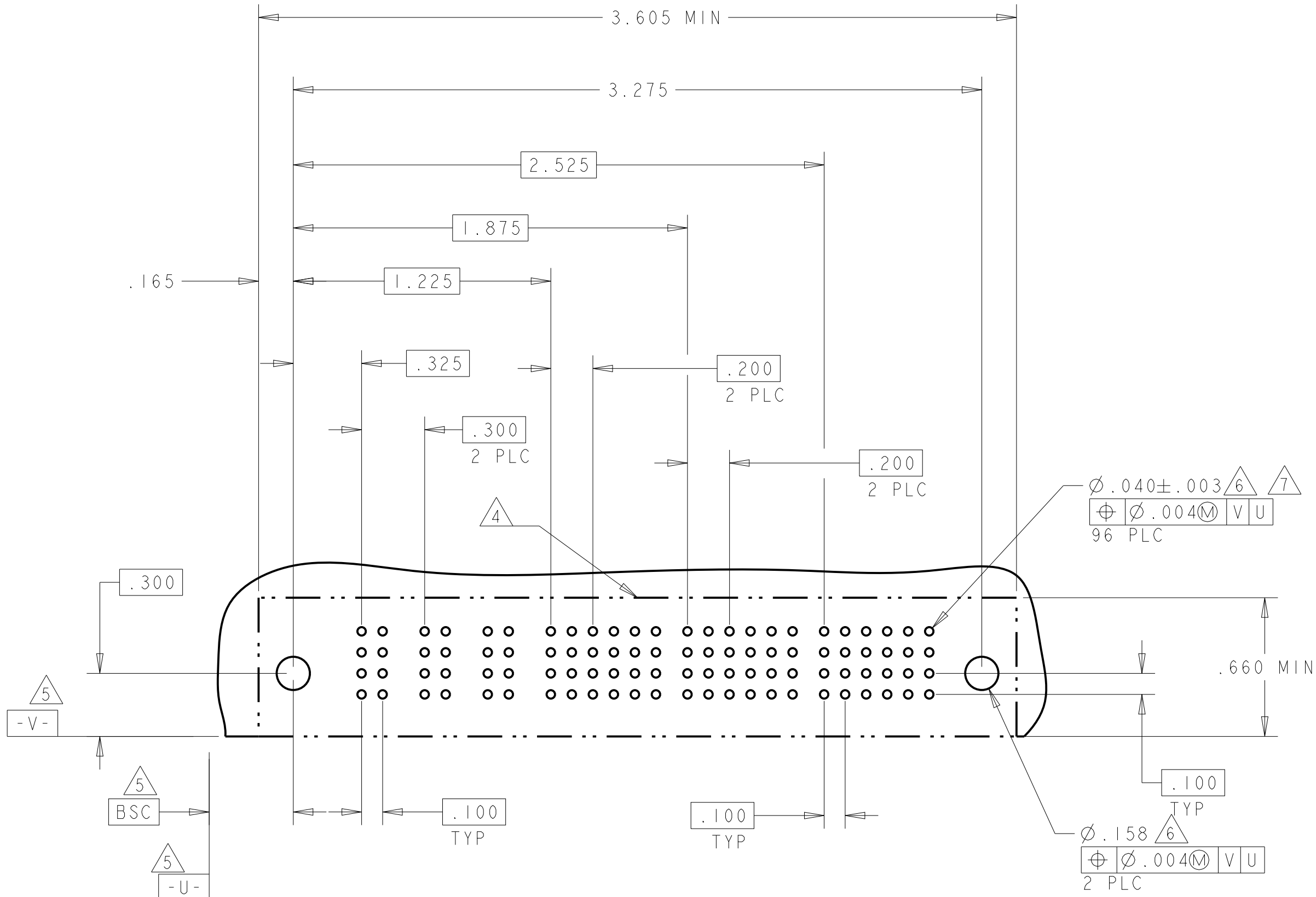
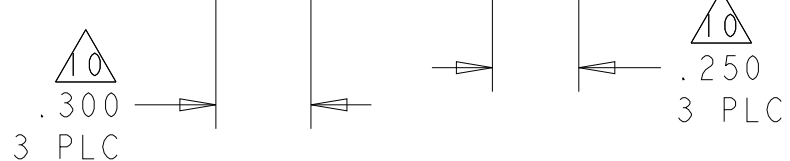
PART NUMBER	ROWS	POWER									SIGNAL					
		P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6
3-6450332-0	D	PM	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J
	C	PM	PM	PM	PM	PM	PM	PM	PM	PM	K	K	K	K	K	K
	B	PM	PM	PM	PM	PM	PM	PM	PM	PM	N	N	N	N	N	N
	A	PM	PM	PM	PM	PM	PM	PM	PM	PM	S	S	S	S	S	S



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

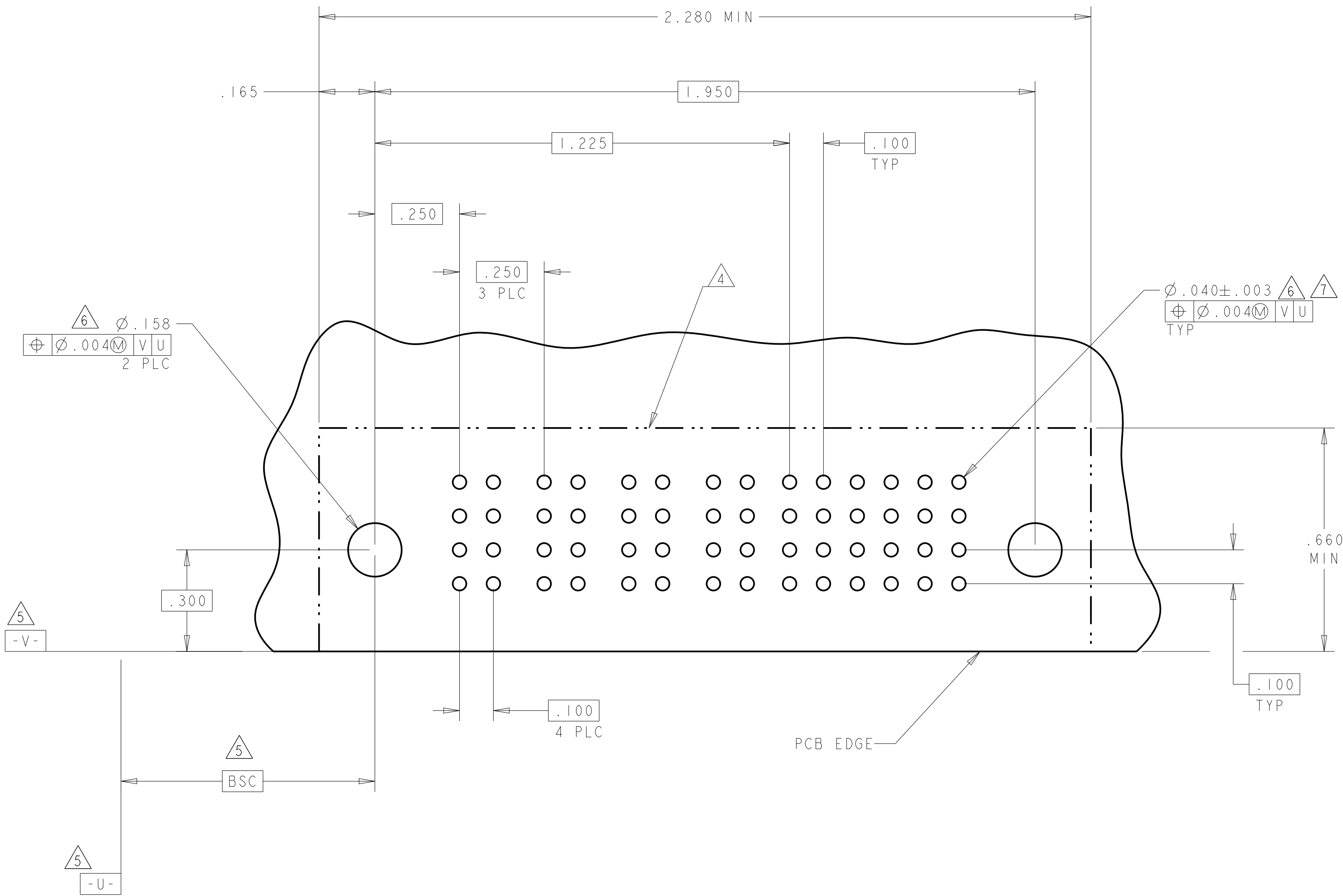


PART NUMBER	ROWS	POWER							SIGNAL					
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6
3-6450332-3	D	PM	PM	PM	PM	PM	PM	PM	E	E	J	J	J	E
	C	PM	PM	PM	PM	PM	PM	PM	K	F	F	F	K	F
	B	PM	PM	PM	PM	PM	PM	PM	N	G	G	G	N	G
	A	PM	PM	PM	PM	PM	PM	PM	S	H	S	S	H	H



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
MATERIAL -		FINISH -	WEIGHT -
CUSTOMER DRAWING		NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
SIZE A1		CAGE CODE 100779	DRAWING NO 6450332
SCALE 4:1		SHEET 12	OF 13
REV H6		RESTRICTED TO -	

[illegible]4805 (3/11)

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[1-6450332-5](#)