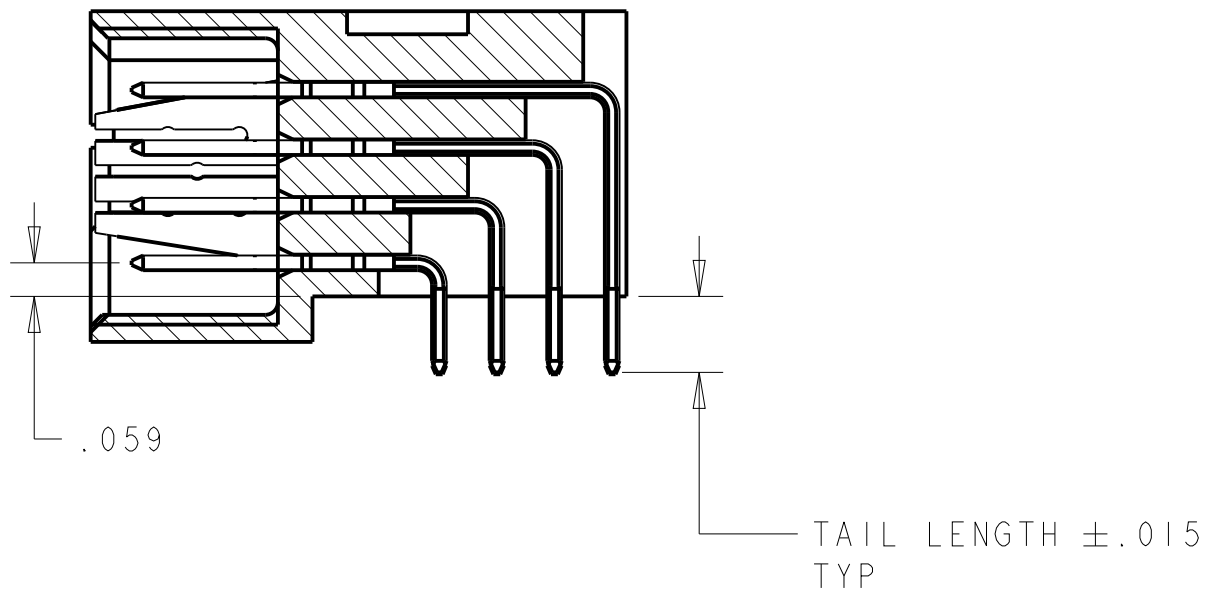
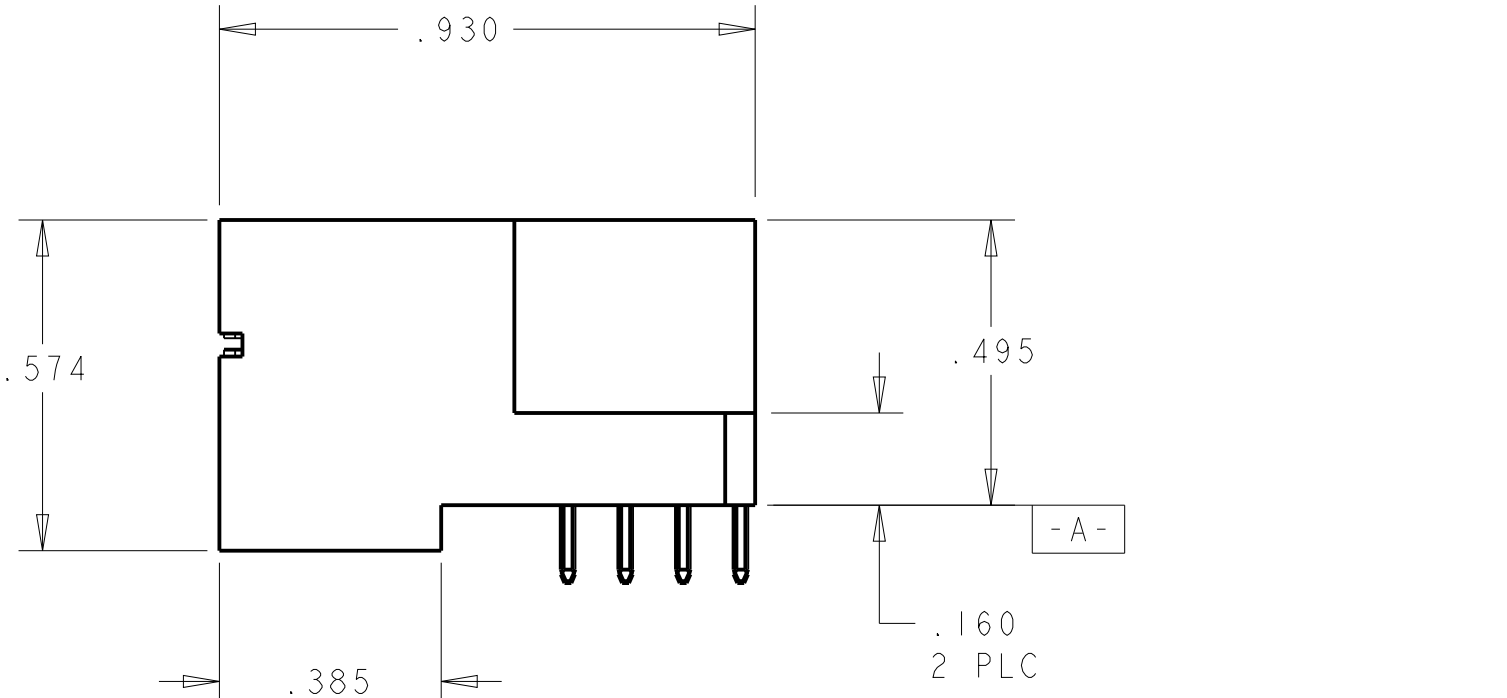
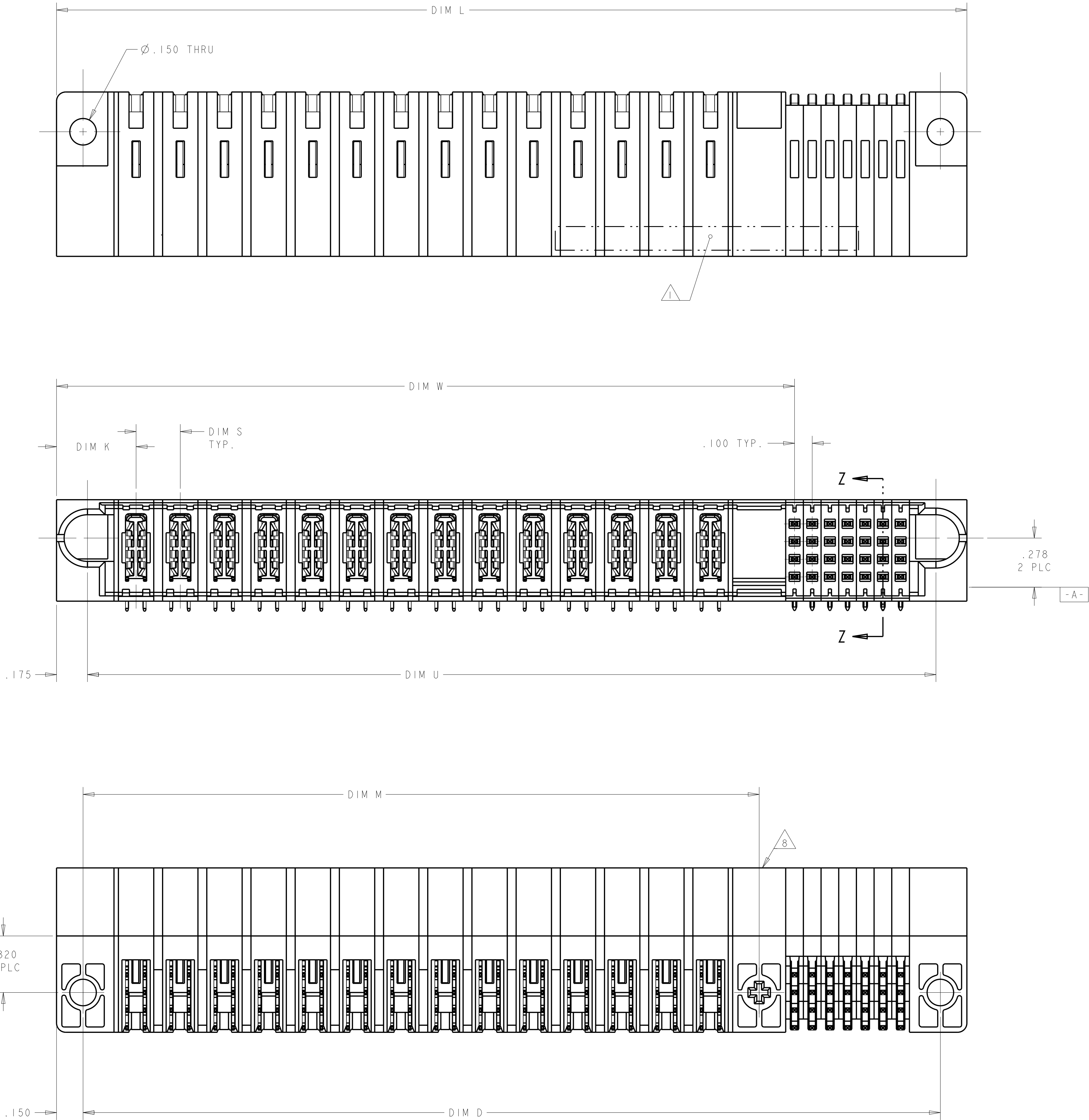


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		H4	ADDED DASH NUMBER -33	25FEB2013	CZ	SZ



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		$\pm .$ $\pm .01$ $\pm .005$ $\pm .0020$ $\pm 2^\circ$	PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038
MATERIAL 2		FINISH 3	SIZE A100779
CUSTOMER DRAWING		WEIGHT -	DRAWING NO C=6450332
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
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
-

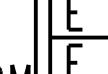
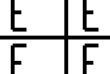
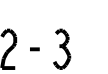
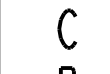
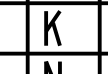
SCALE
4:1

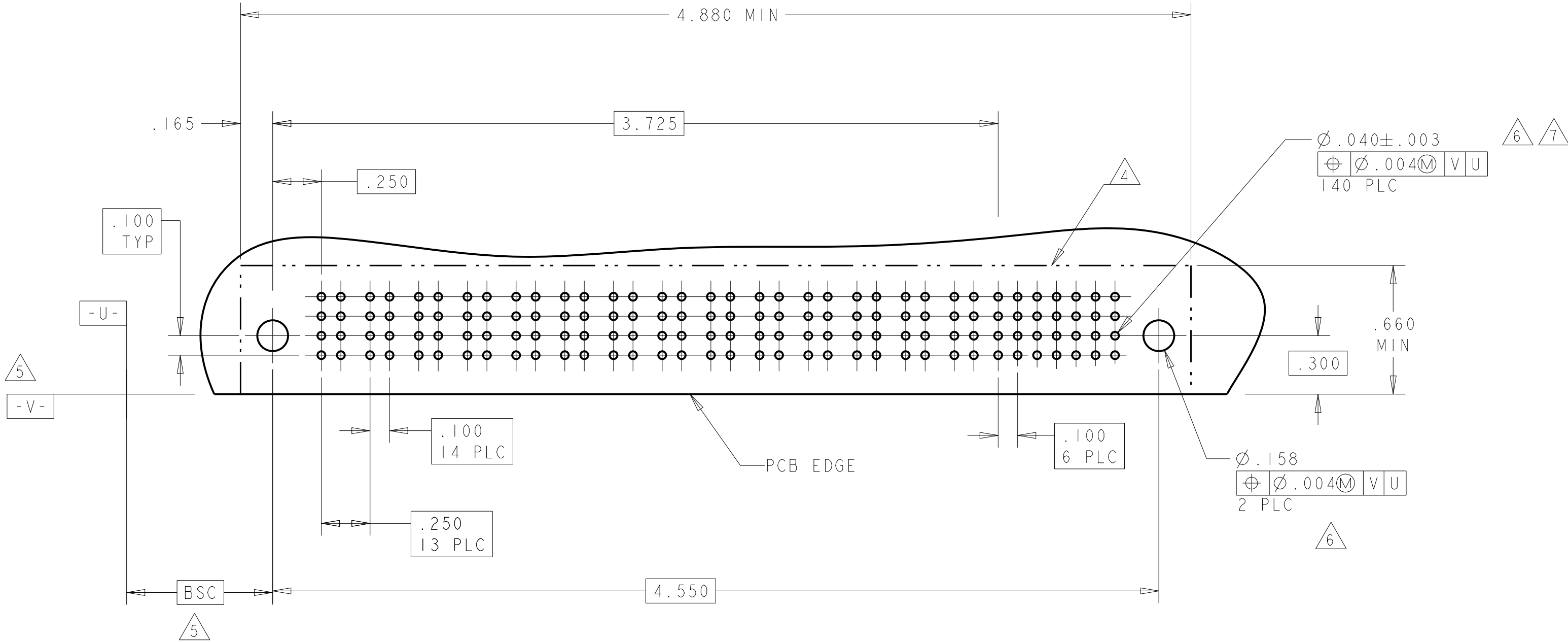
SHEET
2

OF
13

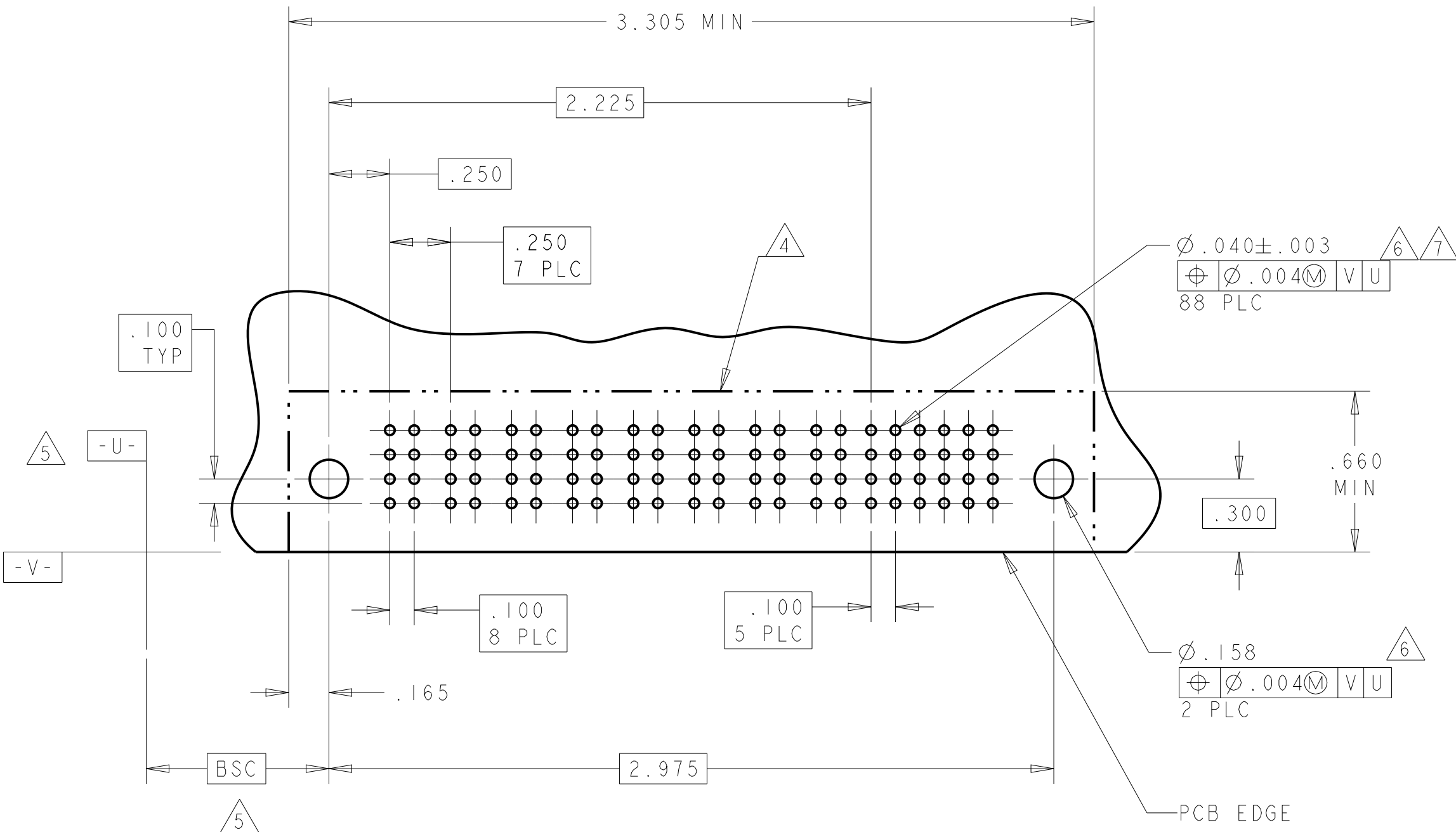
REV
H6

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

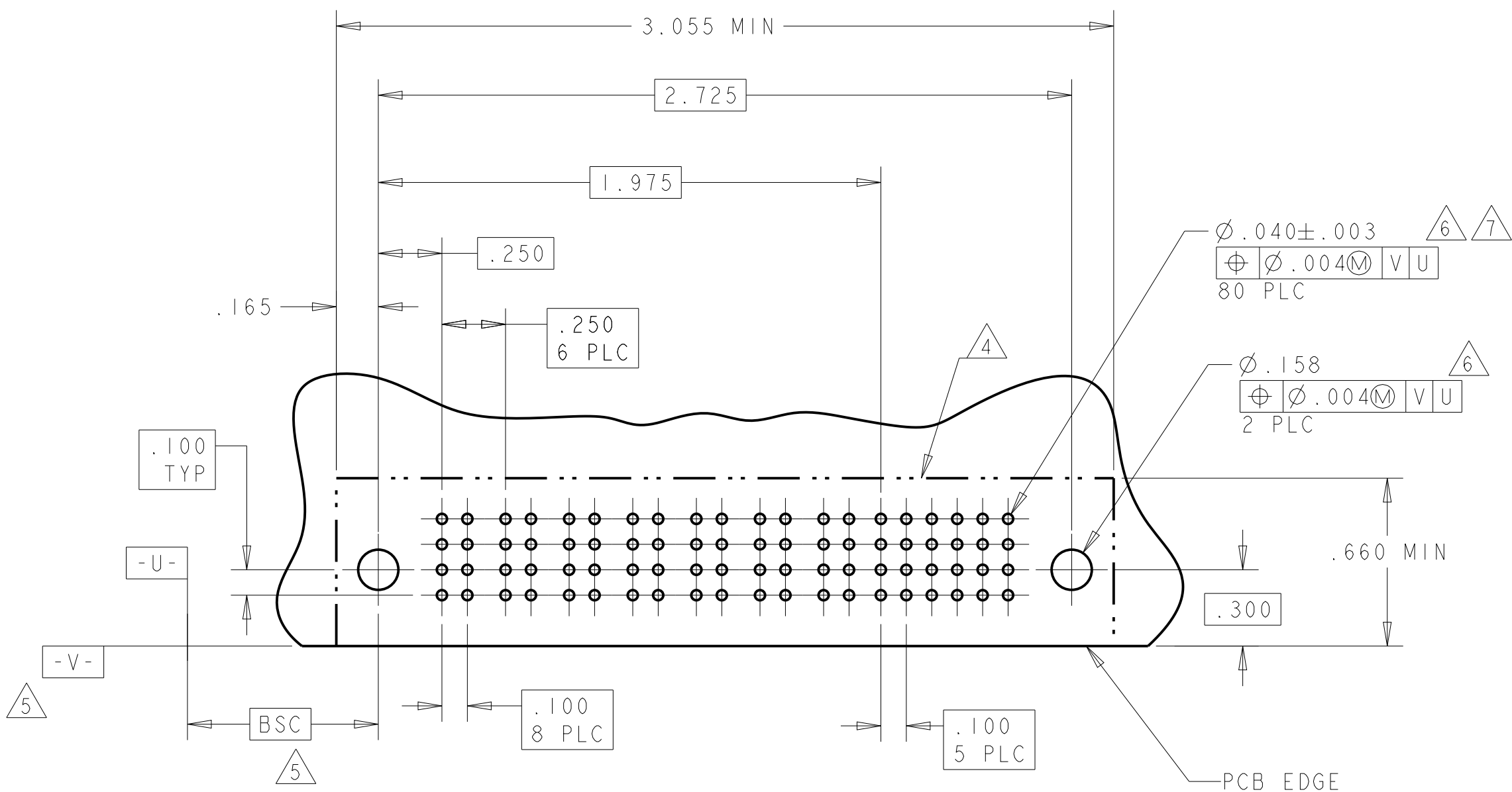
ASSY PART NUMBER	ROWS		POWER														SIGNAL																																																																																																																																																																																																																																																																																																																						
			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			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	PM		J	J	E	J	J	J												
																			K	K	K	K	K	K						
																									N	N	N	N	N	N
7P + 24S																														

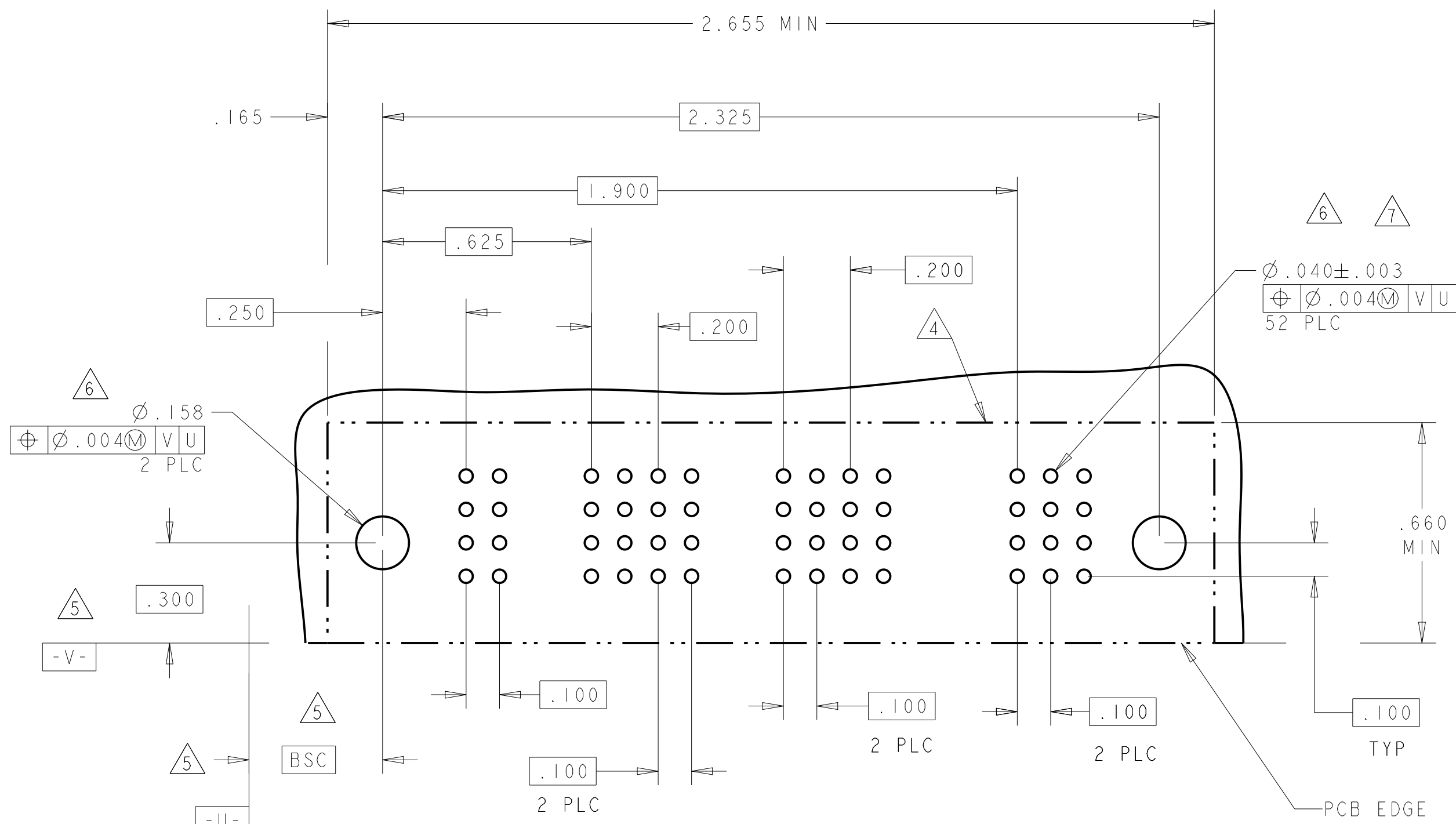


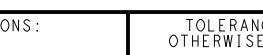
Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL CONTACT			

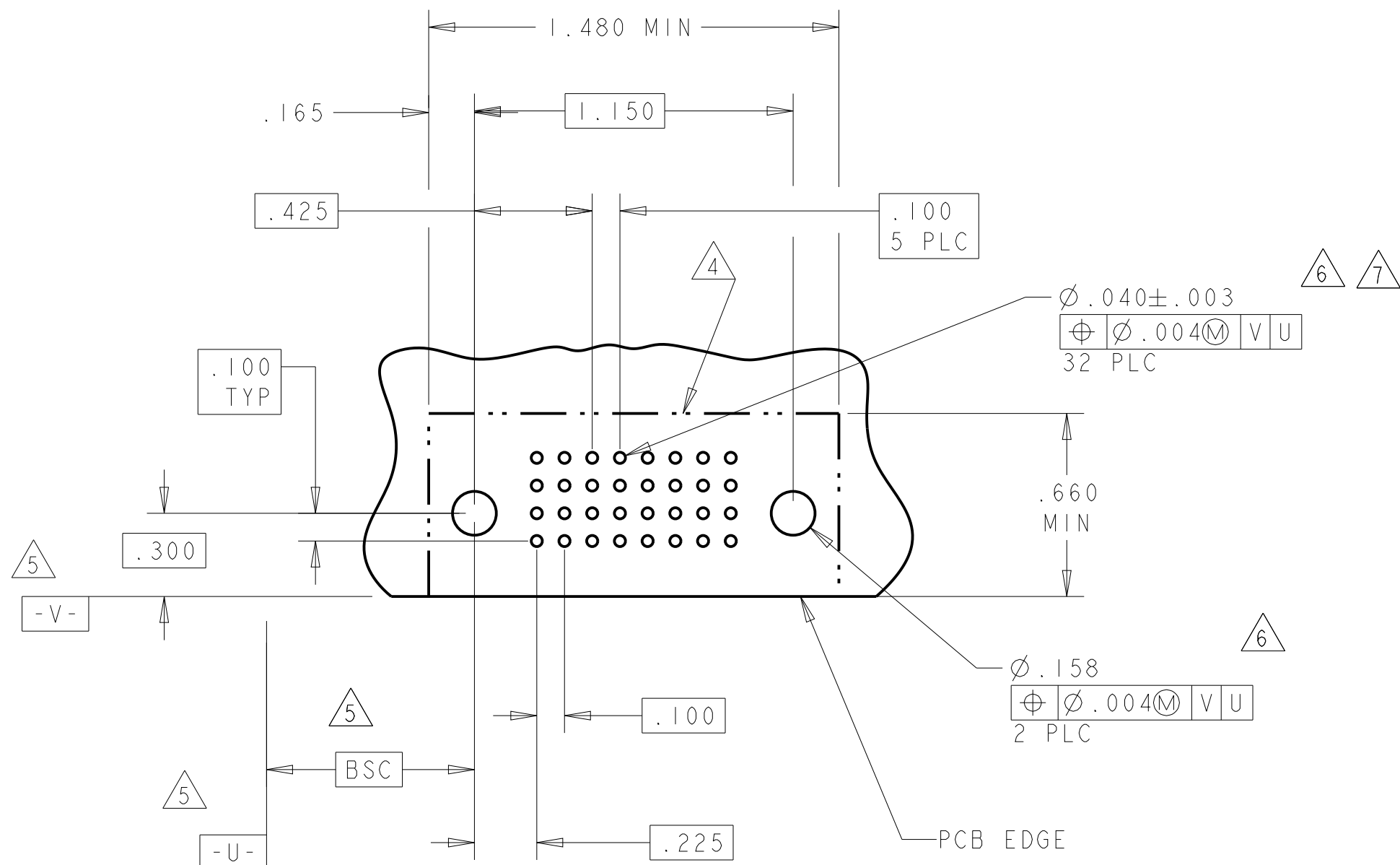
PA	.090
PM	.135
CODE	TAIL LENGTH
POWER CONTACT	

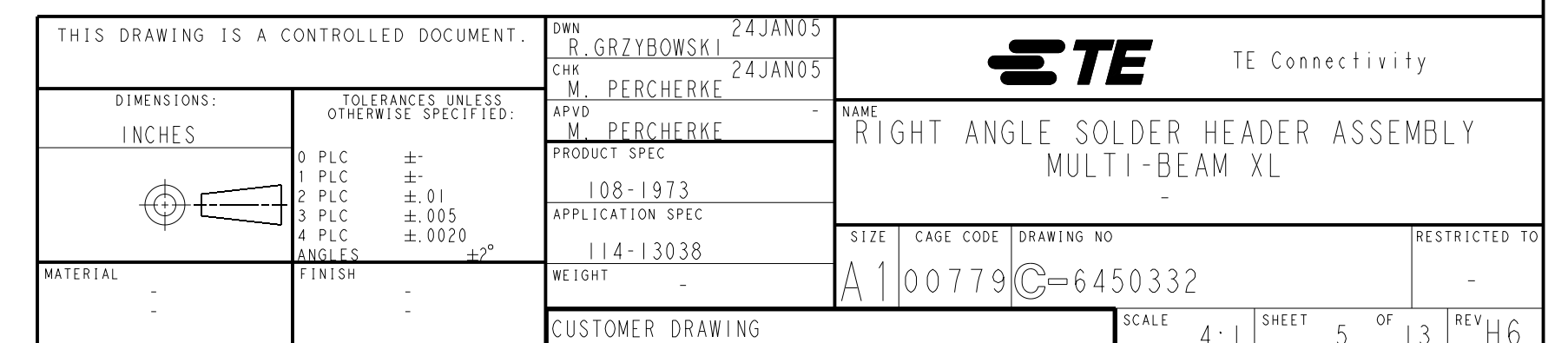
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 24JAN05	TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERKE 24JAN05	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD M. PERCHERKE	RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
0 PLC ±.01		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO	
1 PLC ±.01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

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

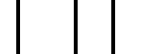
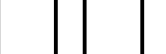
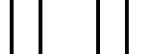
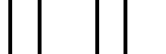


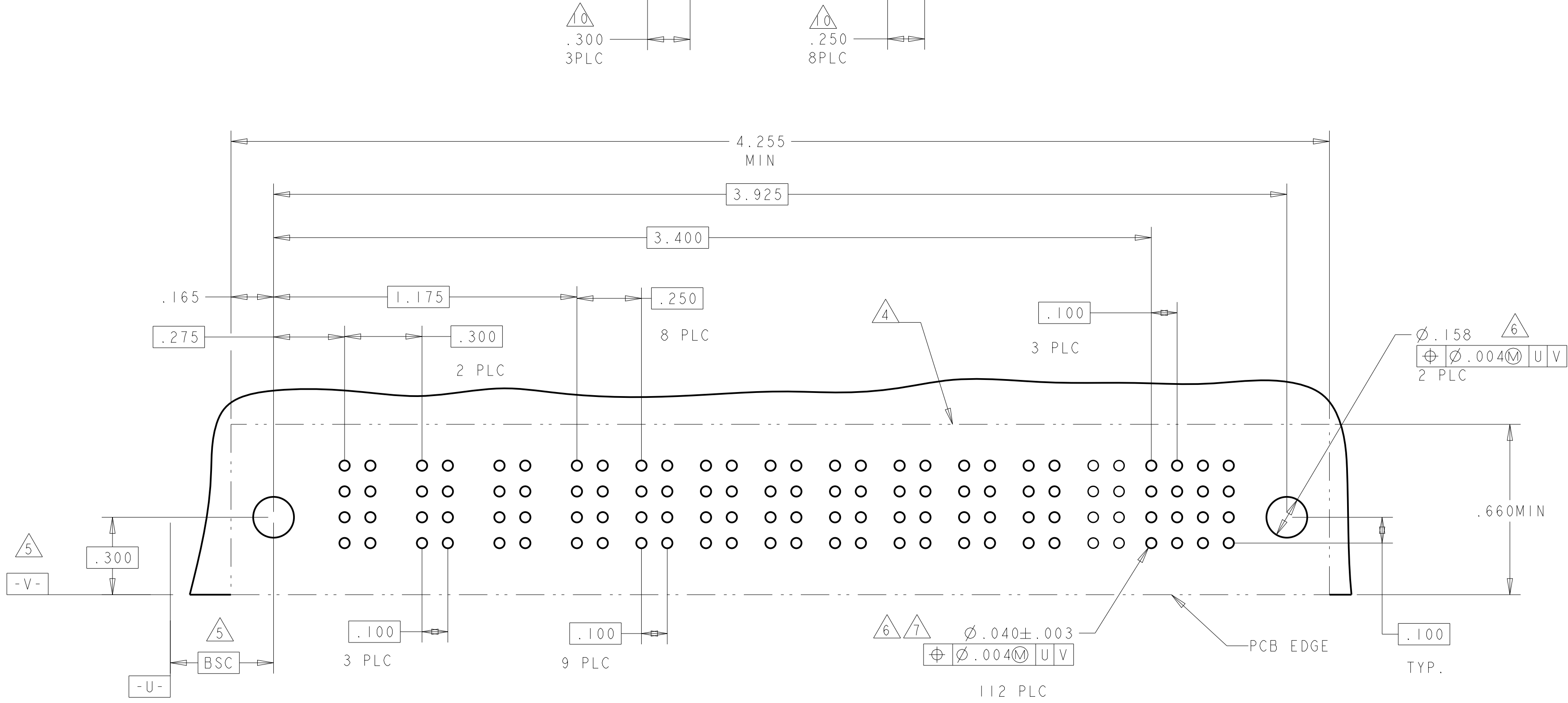
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN J. GRZYBOWSKI 24JAN05		 TE Connectivity	
DIMENSIONS: INCHES		CHK M. PERCHERRE 24JAN05			
		EXPD M. PERCHERRE		NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
		PRODUCT SPEC 108-1973		SIZE CAGE CODE DRAWING NO RESTRICTED TO A100779C 6450332 -	
		APPLICATION SPEC 114-13038			
MATERIAL -		WEIGHT -		CUSTOMER DRAWING	
FINISH -		SCALE 4:1		SHEET 4 OF 13	
				REV H6	



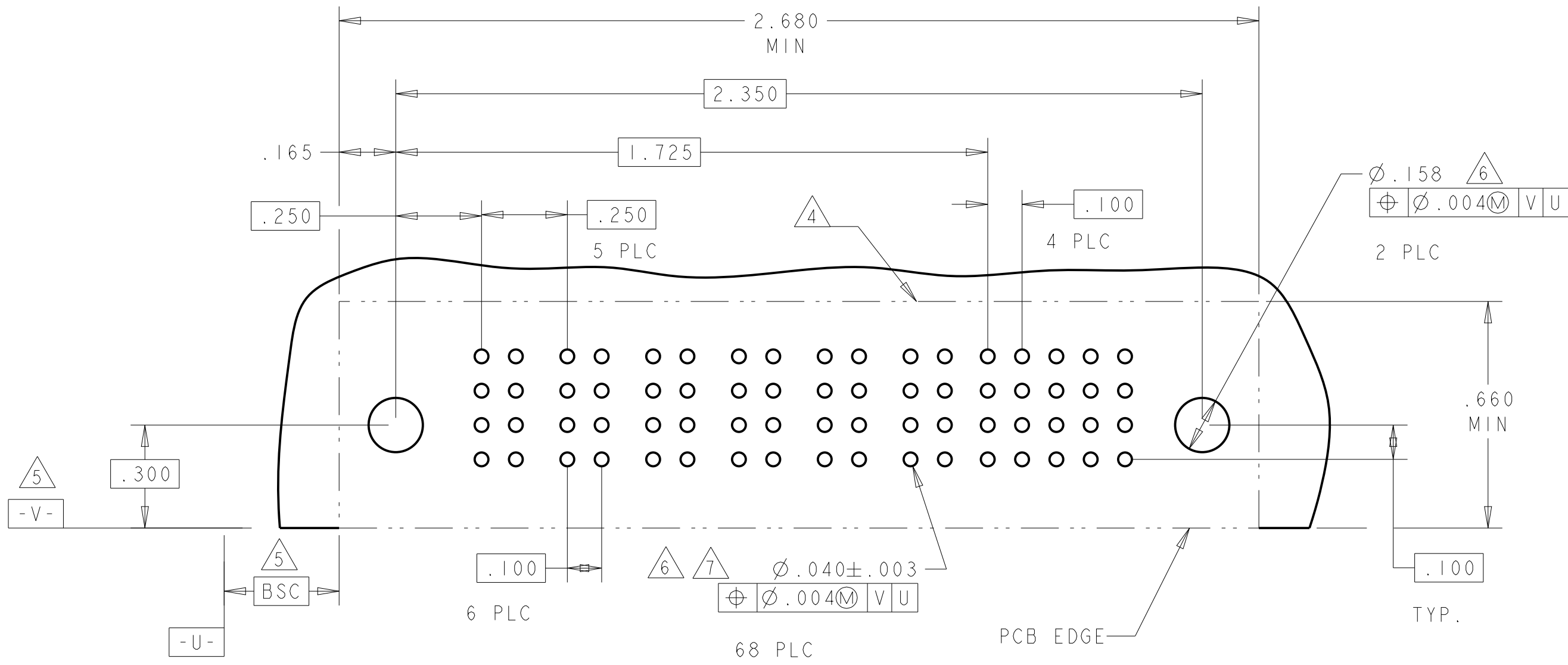
[illegible]

LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	OWN
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																																																																																																																																																																																																																														

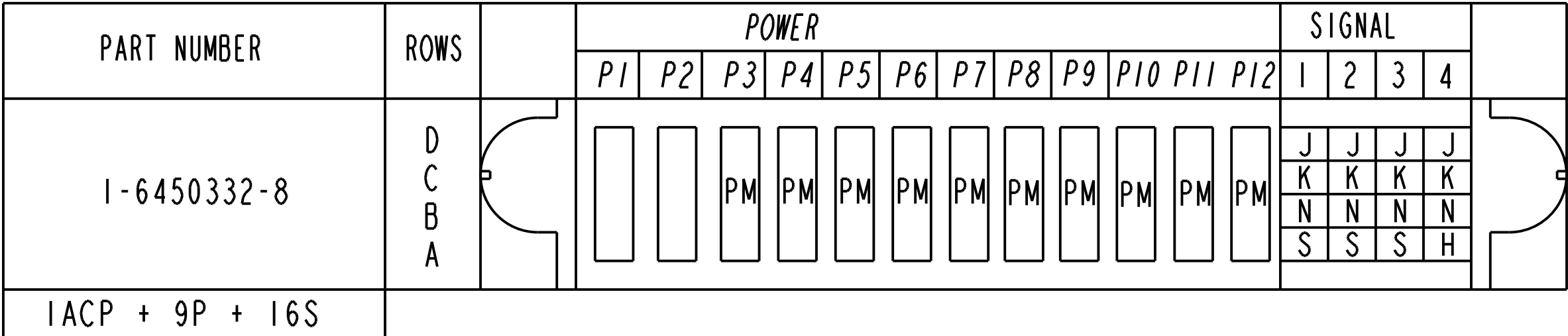


PART NUMBER	ROWS		POWER						SIGNAL					
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	
I-6450332-7	D C B A							J	J	J	J	J		
								K	K	K	K	K		
								N	N	N	N	N		
								H	S	S	S	S		
6P + 20S														

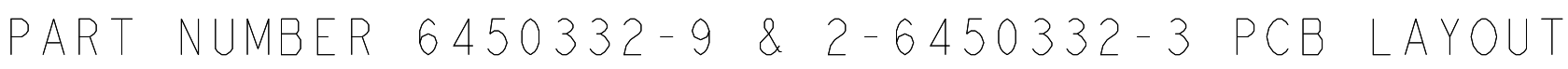
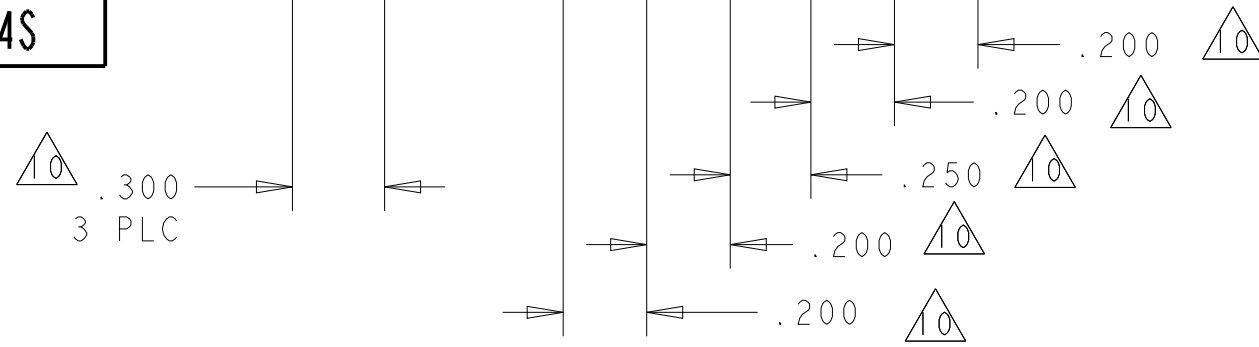


(B1) ADD SHEET 5 OF 6

THIS DRAWING IS A CONTROLLED DOCUMENT.		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		APPLICATION SPEC		108-1973	
1 PLC ±.01				114-13038	
2 PLC ±.005				CAGE CODE	
3 PLC ±.002				DRAWING NO	
4 PLC ±.002		WEIGHT		A100779	
ANGLES ±.002		CUSTOMER DRAWING		SCALE 4:1	
FINISH		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	
2-6450332-3	D			PM	PM	PM	PM	PM	PM	PM	PM	PM	E	E	E	E	E	E
	K												F	F	F	F	F	
	N												G	G	G	G	G	G
	H												H	H	H	H	S	
3ACP + 6P + 24S																		

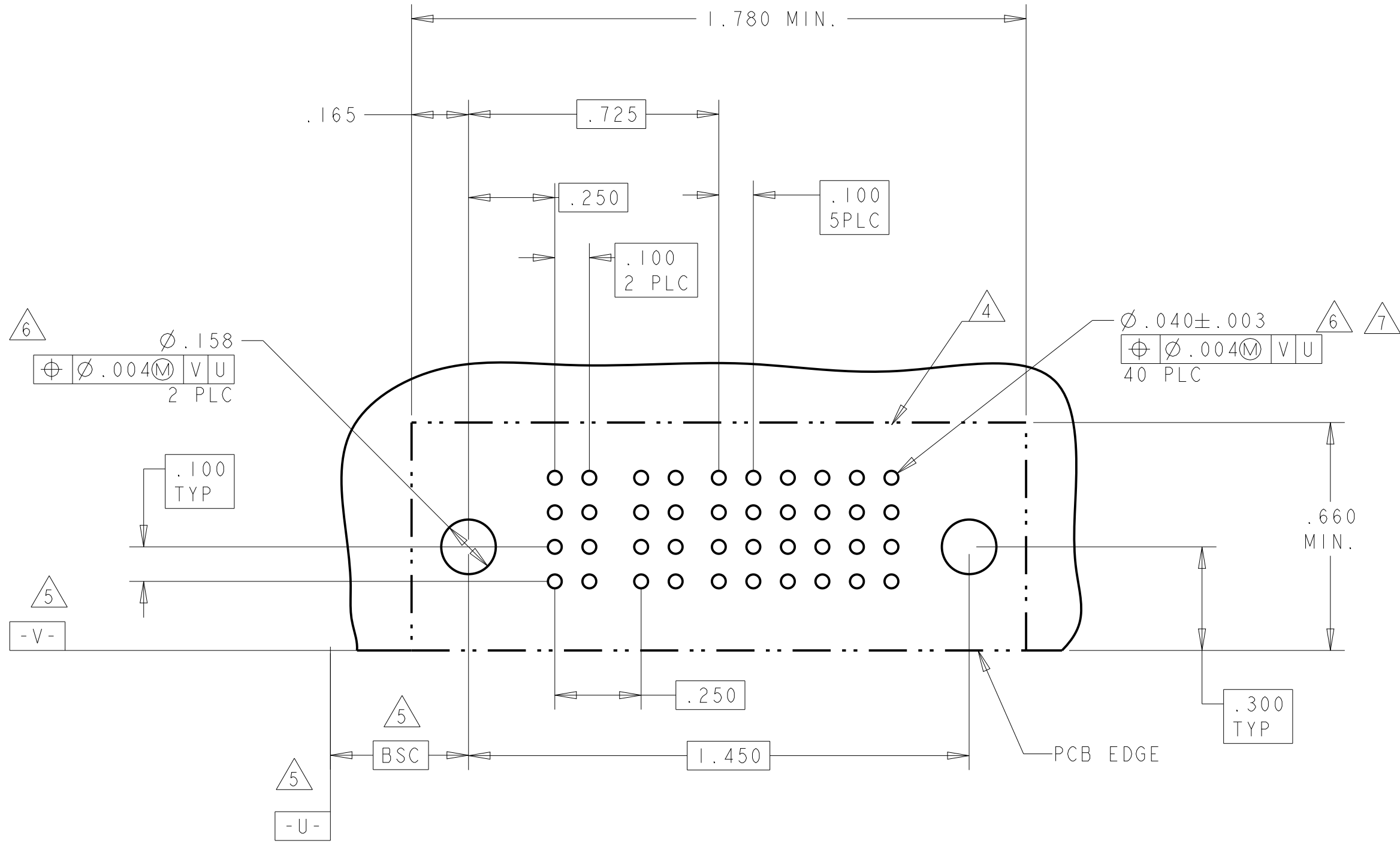
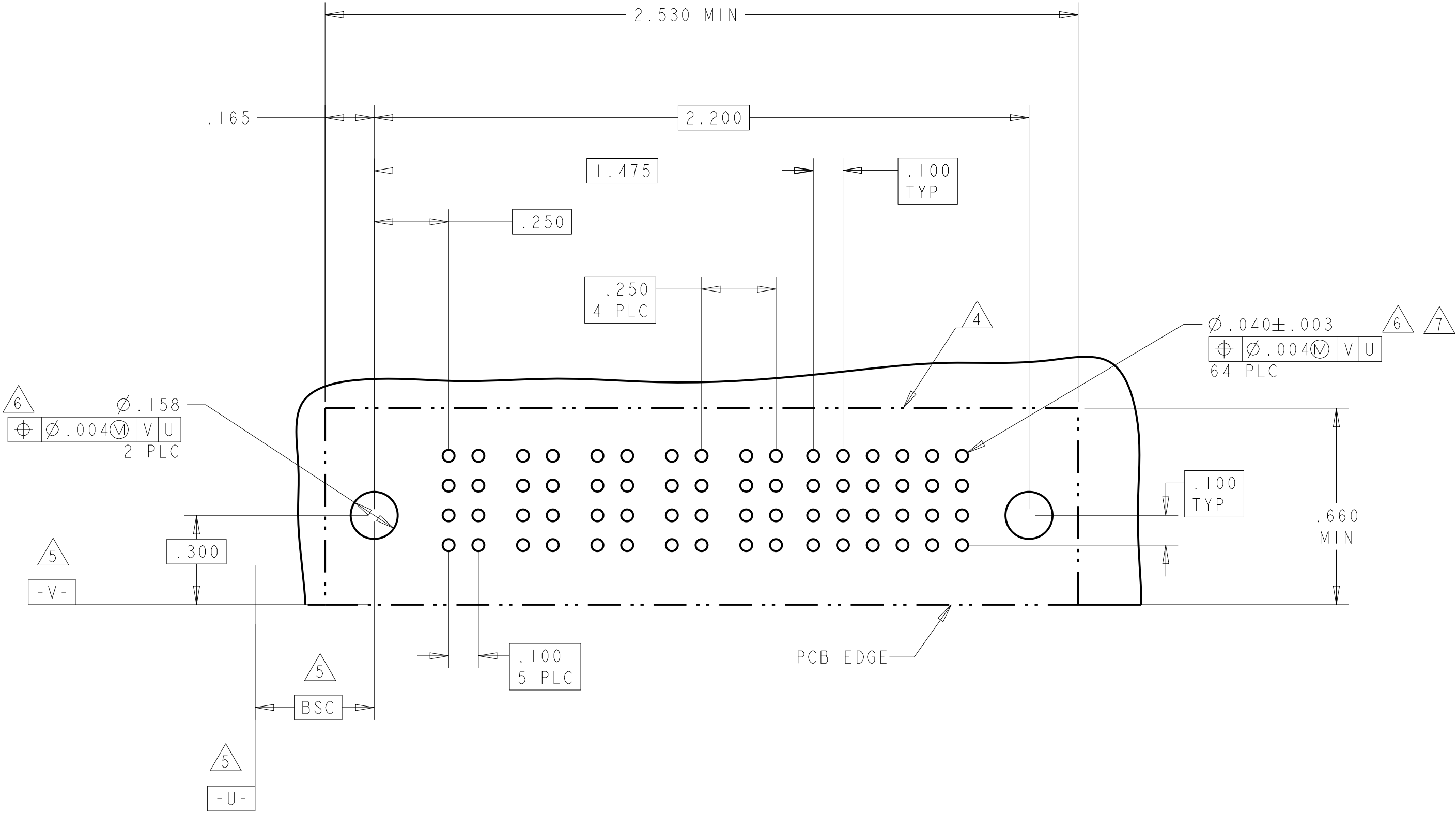


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24JAN05 R. GRZYBOWSKI		TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		CHW 24JAN05 M. PERCHERKE		RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL	
		APVD -		PRODUCT SPEC	
		M. PERCHERKE		108-1973	
		APPLICATION SPEC		114-13038	
MATERIAL		FINISH		SIZE CAGE CODE DRAWING NO RESTRICTED TO	
-		-		A 00779 © 6450332 -	
				CUSTOMER DRAWING SCALE 4:1 SHEET 7 OF 13 REV. HC	

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

TE Connectivity

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
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: A1
CAGE CODE: 00779
DRAWING NO: 6450332

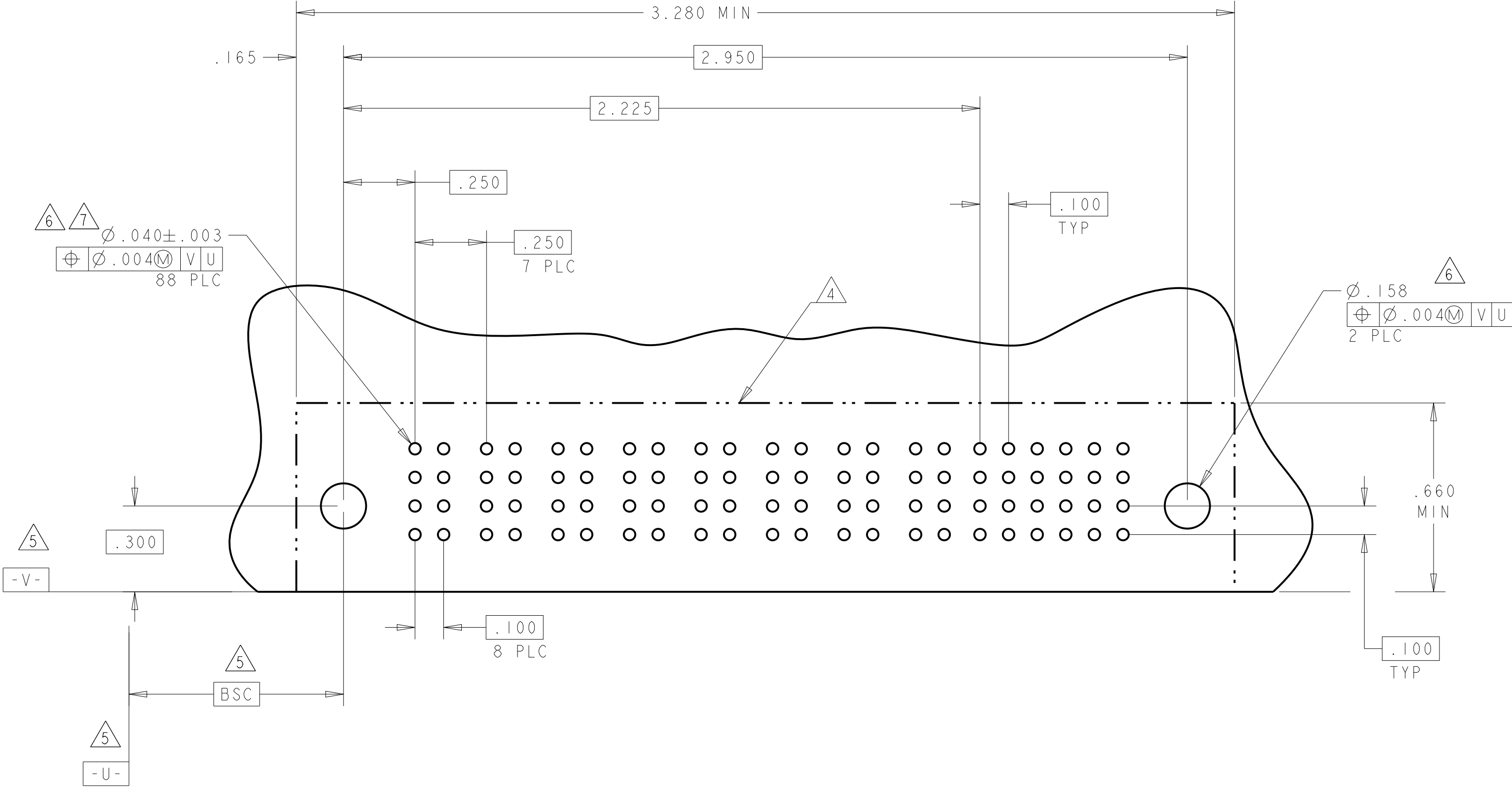
RESTRICTED TO: -

CUSTOMER DRAWING

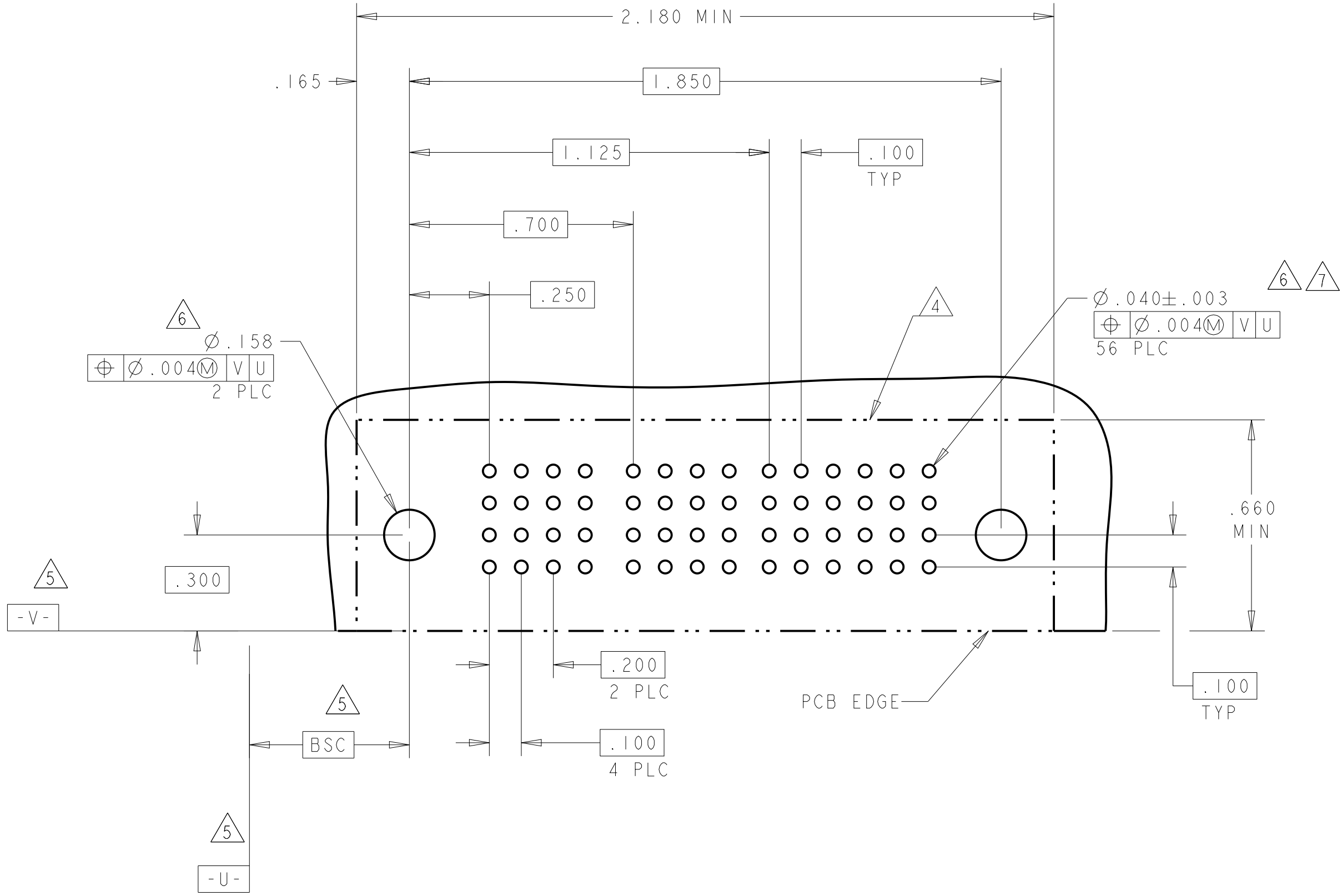
SCALE: 4:1
SHEET: 8 OF 13
REV: H6

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	
												S	S	S	S	H	H	
8P + 24S																		



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	
								H	H	H	H	H	S	
4P + 24S														



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

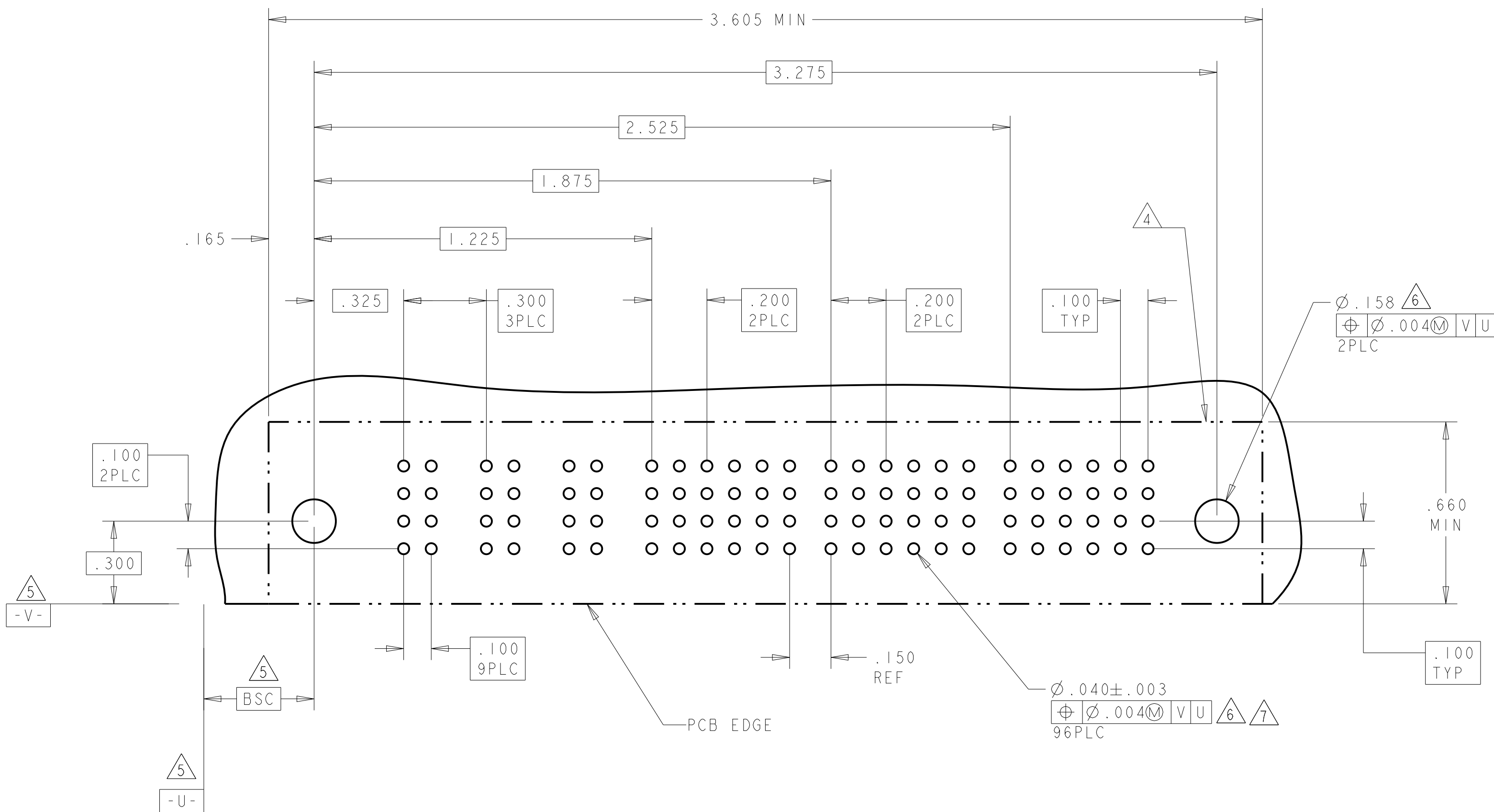
REV H6

TE Connectivity

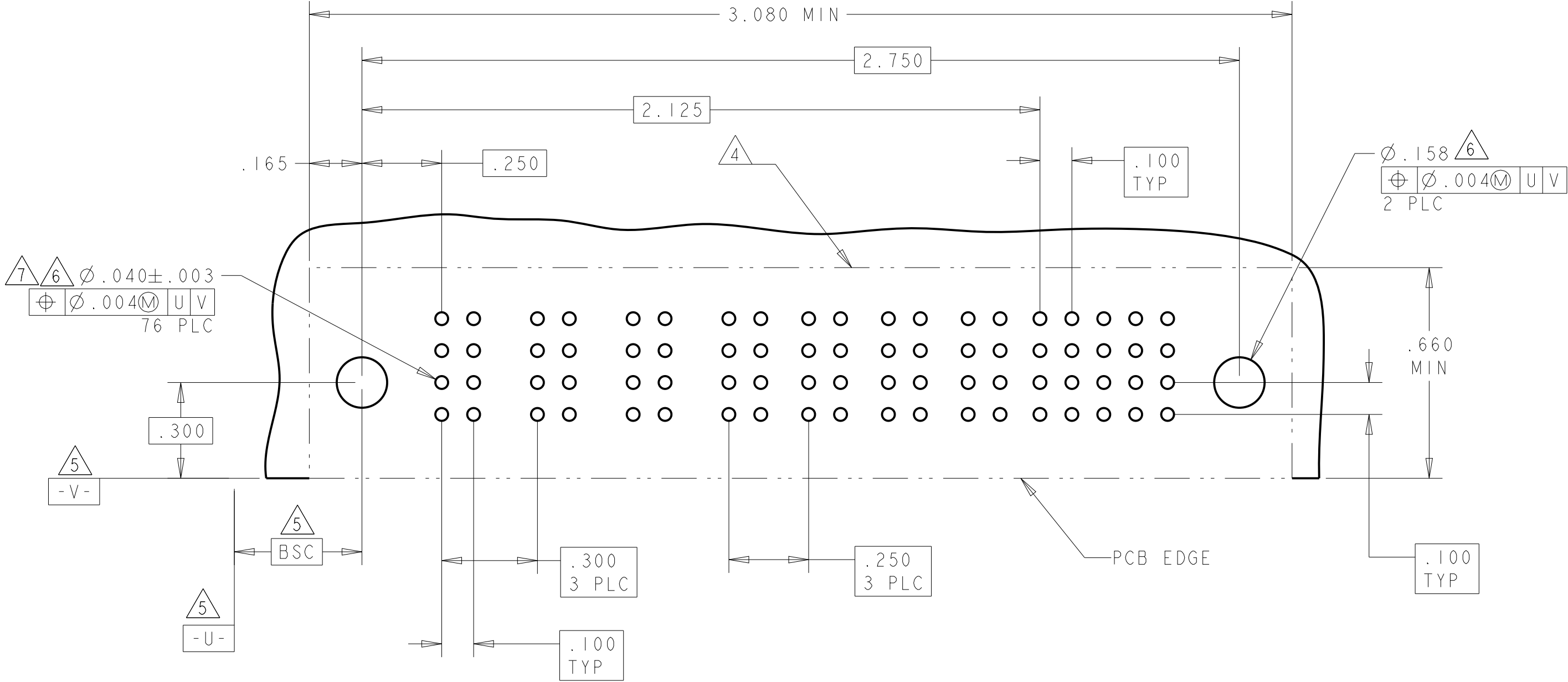
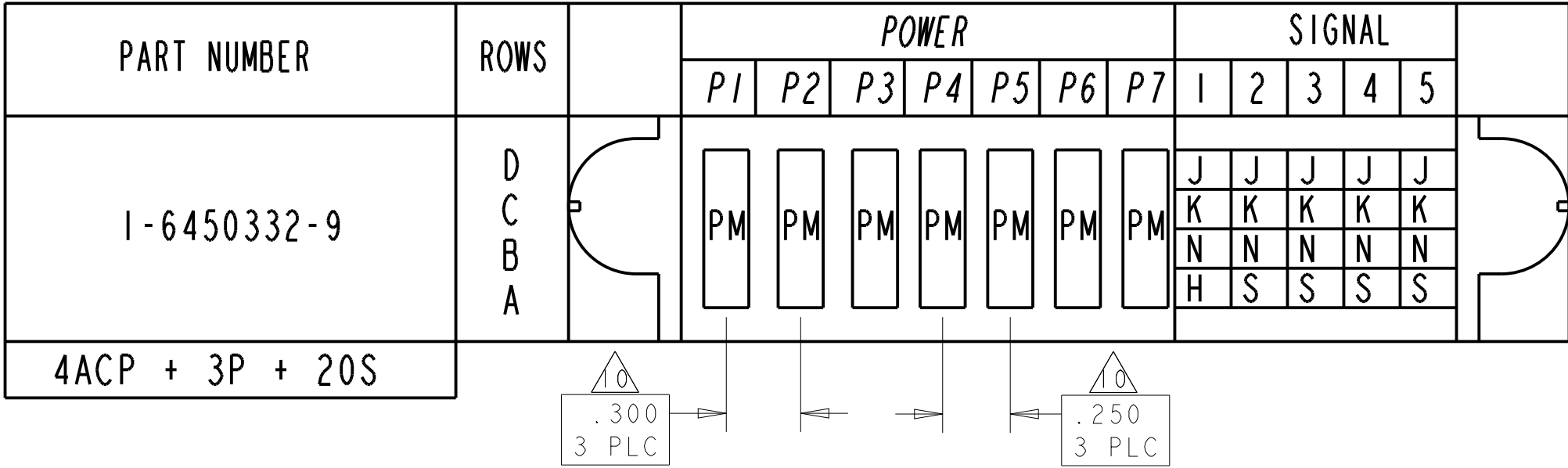
RIGHT ANGLE SOLDER HEADER ASSEMBLY
MULTI-BEAM XL

SIZE CAGE CODE DRAWING NO
A100779C=6450332

RESTRICTED TO

[illegible]4805 (3/11)

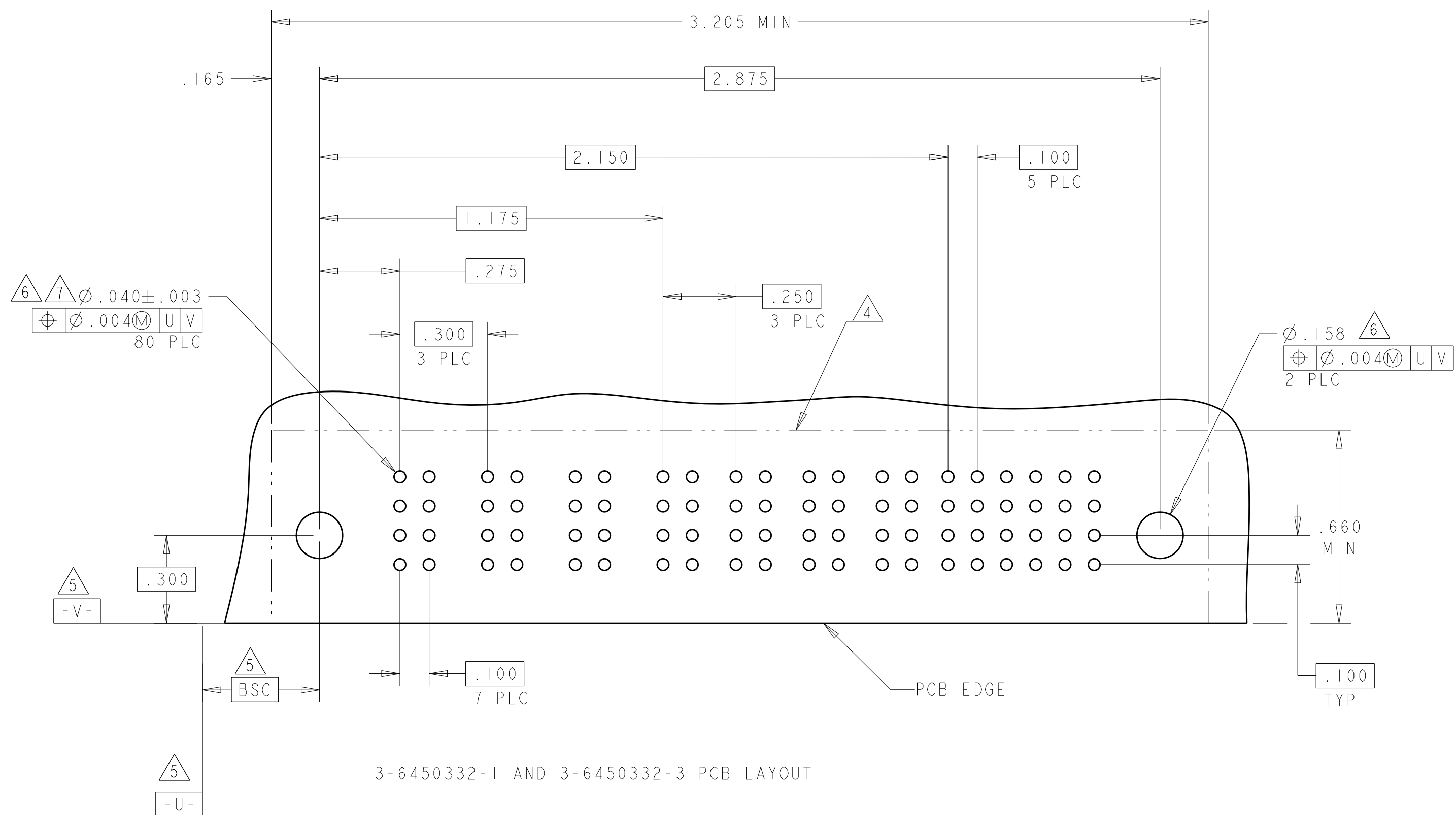
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
ES	00	-	-	SEE SHEET 1	-	-



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI CHK M. PERCHERKE	24JAN05 24JAN05			TE Connectivity					
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME							
		0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2° FINISH		RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL							
MATERIAL -		PRODUCT SPEC		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO	
		108-1973		-		-		-		-	
		APPLICATION SPEC		114-13038		A1		00779		C-6450332	
		WEIGHT		-		-		-		-	
		CUSTOMER DRAWING		-		-		-		-	
		SCALE		4:1		SHEET		11		OF 13	
		REV		H6		-		-		-	

Figure 10 illustrates three different PLC connection configurations:

- (a) A PLC with a .300 output is connected to a load.
- (b) A PLC with a .200 output is connected to a load.
- (c) A PLC with a .200 output is connected to a load.

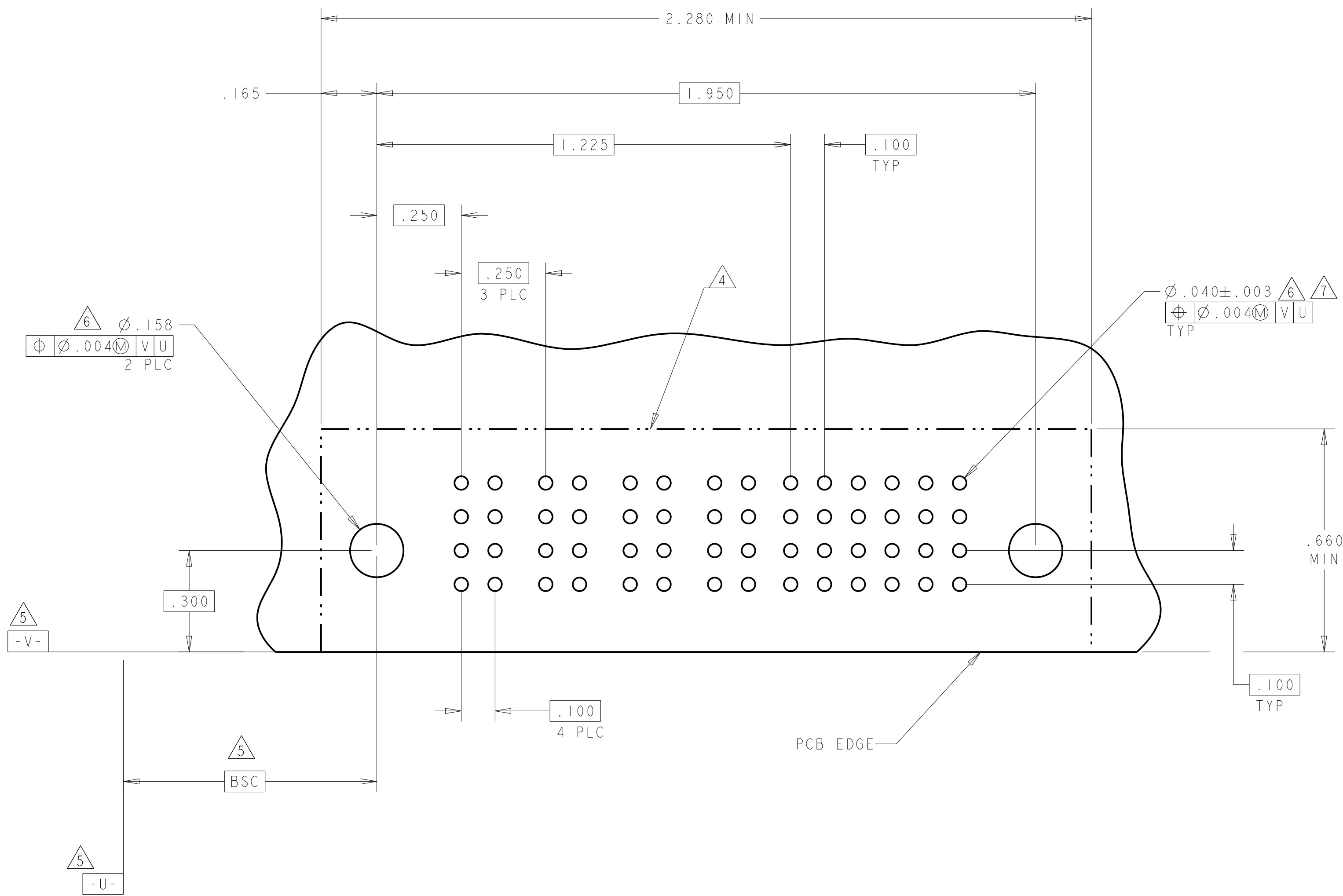






3-6450332-1 AND 3-6450332-3 PCB LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24JAN05 R GRZYBOWSKI CHK M PERCHERKE 24JAN05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0. PLC ±. 1. PLC ±. 2. PLC ±.01 3. PLC ±.005 4. PLC ±.0020 ANGLES 2°		NAME RIGHT ANGLE SOLDER HEADER ASSEMBLY MULTI-BEAM XL -	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		SIZE CAGE CODE DRAWING NO A1 00779 C=6450332	
MATERIAL -		WEIGHT -		RESTRICTED TO -	
FINISH -		CUSTOMER DRAWING		SCALE 4:1 SHEET 12 OF 13 REV H6	

[illegible]4805 (3/11)