



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

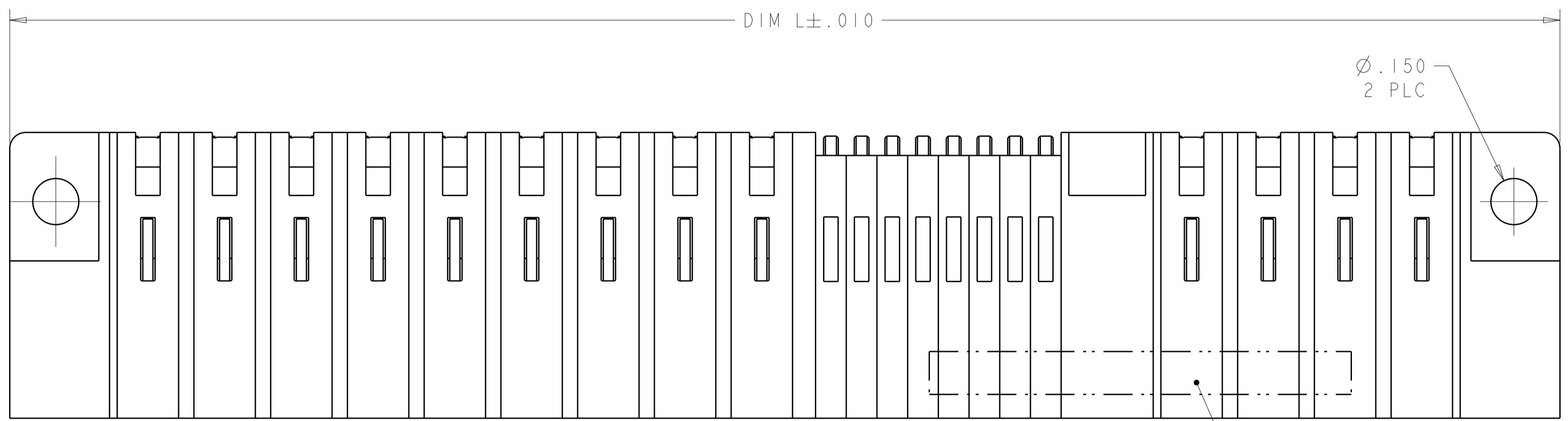
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

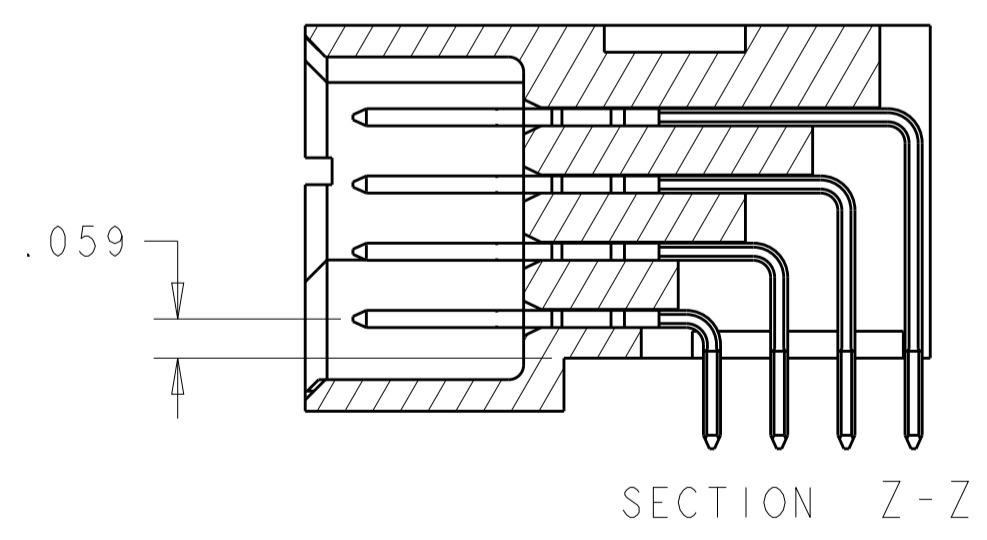
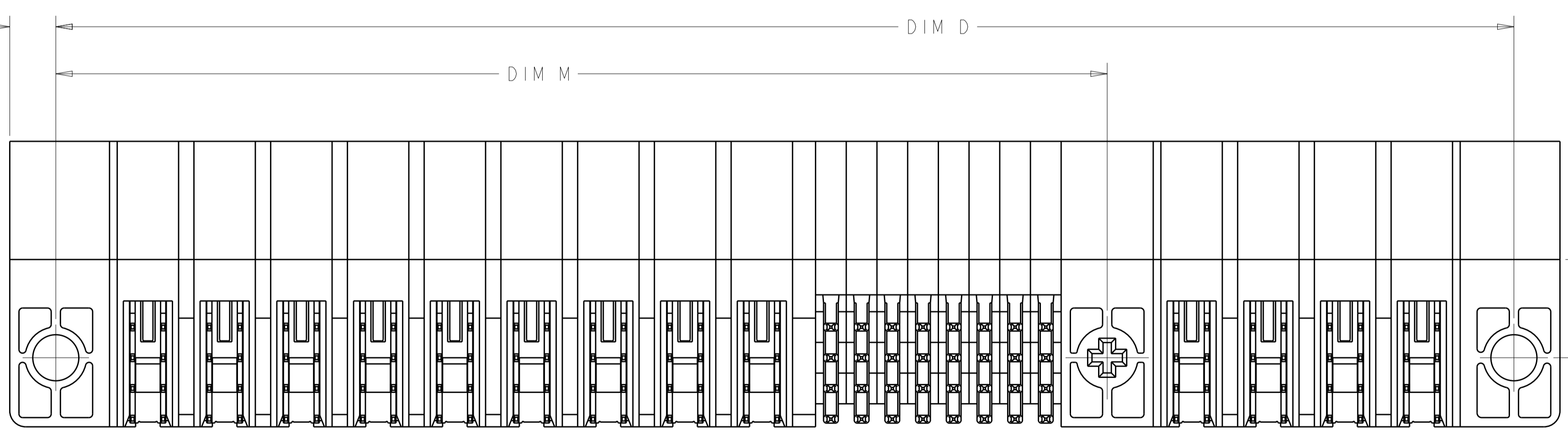
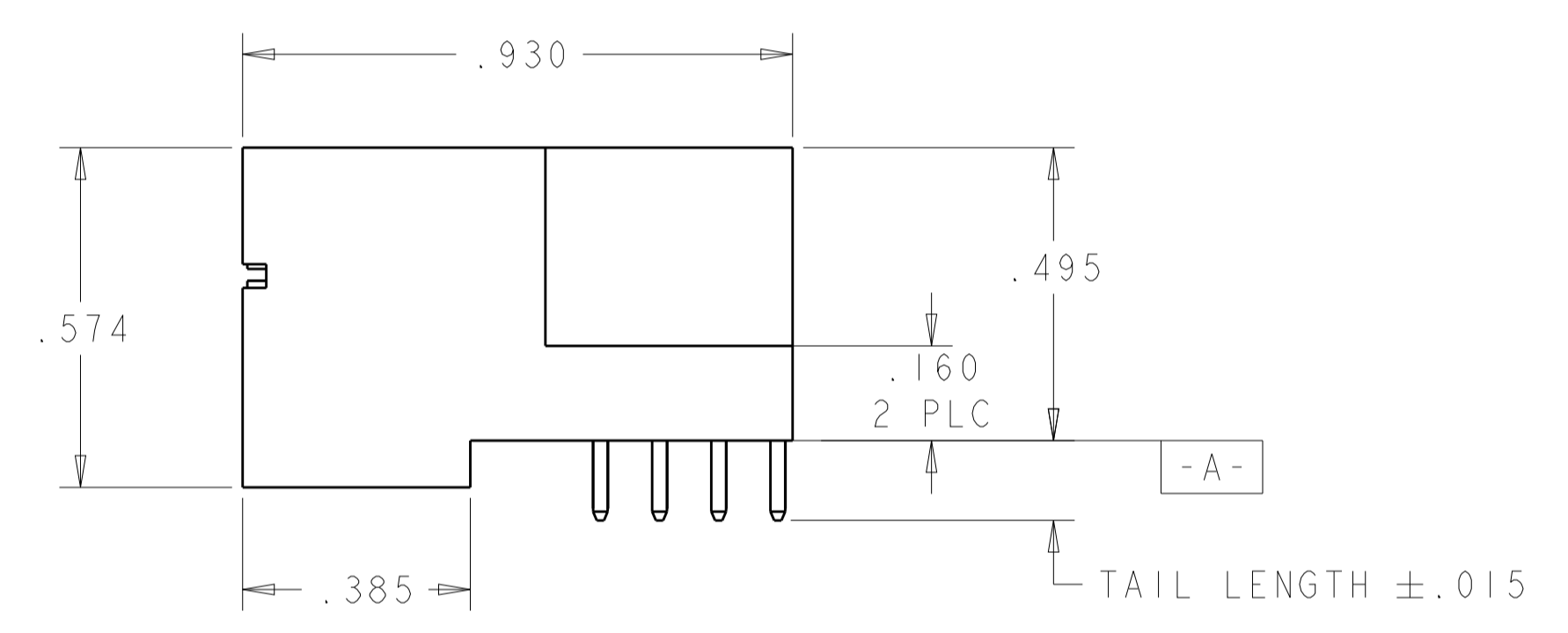
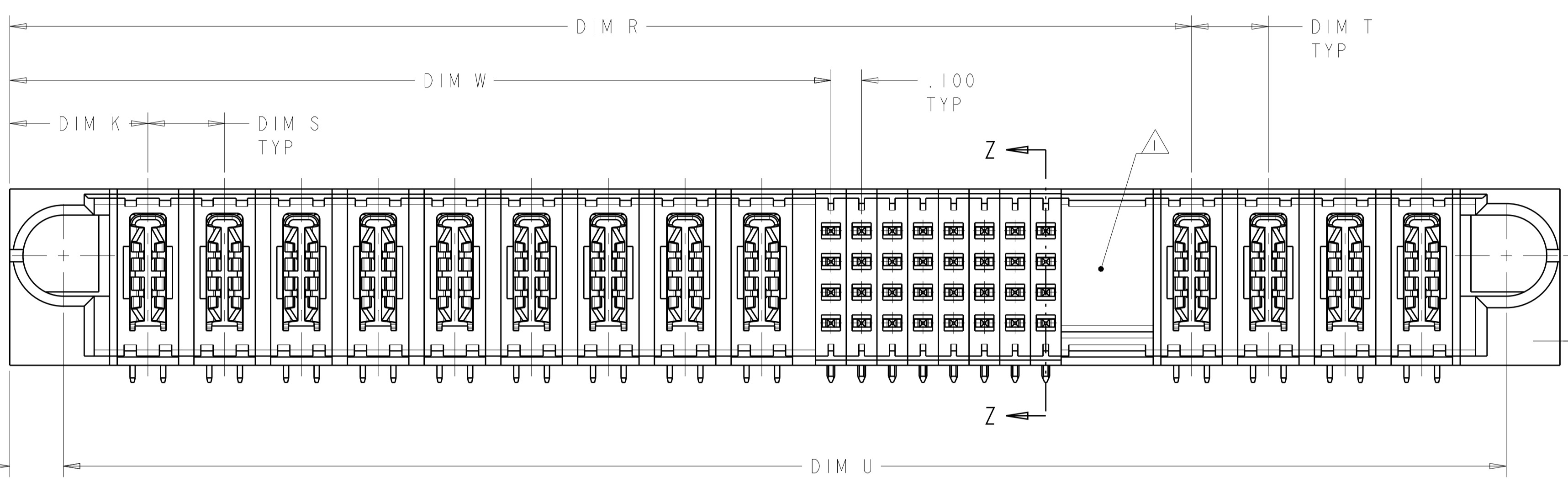
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



LOC	DIST	REVISIONS					
GP	00	P	LTN	DESCRIPTION	DATE	DMN	APVD
		D2		ADDED NEW DASH NUMBER -13	02NOV2009	IL	SY
		E		REV PER ECR-09-024231	06NOV2009	IL	SY
		E1		REV PER ECR-09-025057	16NOV2009	IL	SY



- 1 OPTIONAL CENTER MODULE WITH  $\varnothing .150$  THRU HOLE OR HOLD DOWN FEATURE.
- 2 "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
- 3 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0, BLACK  
 SIGNAL CONTACT - COPPER ALLOY  
 POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 4 CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS
- 5 MECHANICAL CONNECTOR KEEP OUT ZONE.
- 6 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 7 PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- 8 PCB - .0453 +/- .0010 DRILLED HOLES PLATES WITH .0003 MIN Sn OVER .001 TO .003 PLATING TO ACHIEVE A .040 DIA. HOLE.
- 9 VARIABLE DIMENSION SHOW ON VIEW (SHEET 4,5).



DIMENSIONS: INCHES 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.005 3 PLC ±.002 4 PLC ±.002 ANGLES ±.7° FINISH: 3		DWN: R. GRZYBOWSKI 30MAR05 CHK: M. PERCHERKE 30MAR05 APVD: M. PERCHERKE NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: - CUSTOMER DRAWING		Tyco Electronics Corporation Harrisburg, PA 17105-3608 SIZE: A CAGE CODE: 00779 DRAWING NO: 6450320 SCALE: 4:1 SHEET: 1 of 7 REV: E2	
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LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	SEE SHEET 1	-	-	-

①2

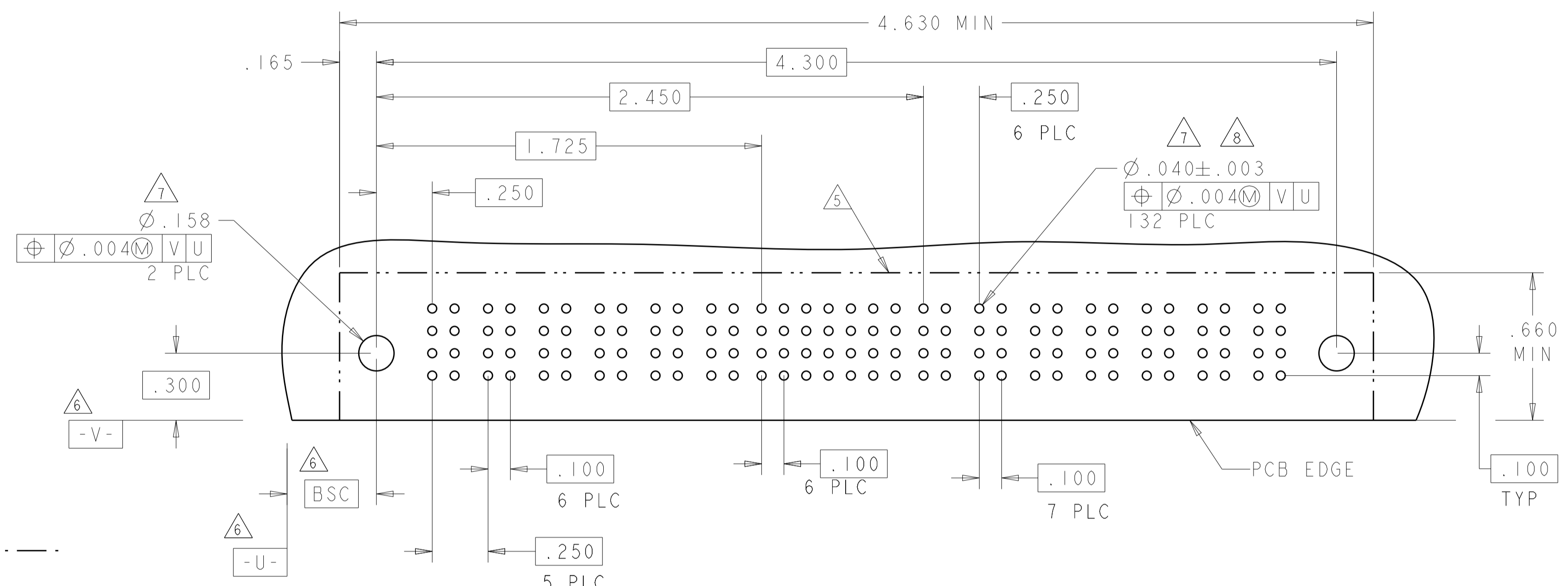
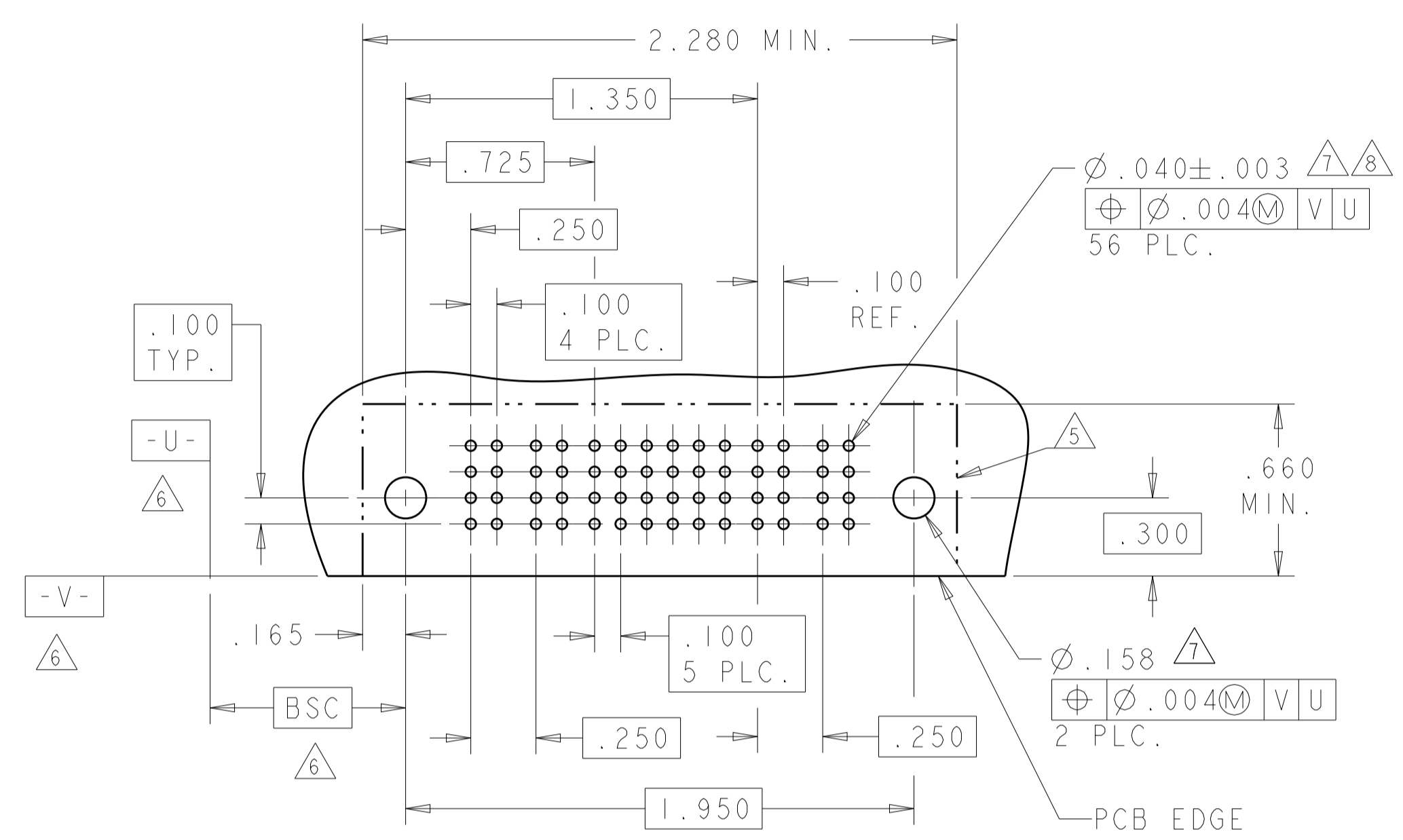
3.700	.250	.250	2.850	1.375	3.750	-	4.050	.450	4P + 56S + 4P	1-6450320-3
2.400	.200	.200	2.100	0.825	2.450	-	2.750	.450	2P + 48S + 2P	1-6450320-2
2.900	.250	.250	2.050	1.375	2.950	-	3.250	.450	4P + 24S + 4P	1-6450320-1
5.500	.300	$\triangle$	3.175	2.525	5.550	-	5.850	.475	7ACP + 20S + 4ACP + 5P	1-6450320-0
2.300	.250	.250	1.700	1.175	2.350	-	2.650	.450	3P + 16S + 3P	6450320-9
2.750	$\triangle$	.200	1.450	1.175	2.800	-	3.100	.450	2P + 1ACP + 8S + 7HDP	6450320-8
4.500	.250	.250	2.900	2.125	4.550	-	4.850	.450	7P + 28S + 7P	6450320-5
4.250	.250	.250	2.650	1.875	4.300	-	4.600	.450	6P + 28S + 7P	6450320-4
2.500	.250	.300	1.800	1.125	2.550	-	2.850	.450	3P + 24S + 3ACP	6450320-2
1.900	.250	.250	1.550	0.875	1.950	-	2.250	.450	2P + 24S + 2P	6450320-1
DIM U	S	T	R	W	D	M	L	K	DESCRIPTION	PART NUMBER

<small>THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20                  © COPYRIGHT 20 BY TYCO ELECTRONICS CORPORATION. ALL RIGHTS RESERVED.</small>		DWN R. GRZYBOWSKI 30MAR05 CHK M. PERCHERKE 30MAR05	Tyco Electronics Corporation Harrisburg, PA 17105-3608
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.020	APVD M. PERCHERKE NAME PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038	Tyco Electronics RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
MATERIAL - FINISH -	WEIGHT - CUSTOMER DRAWING	SIZE CAGE CODE DRAWING NO A1 00779 C=6450320	RESTRICTED TO SCALE 4:1 SHEET 2 OF 7 REV E2

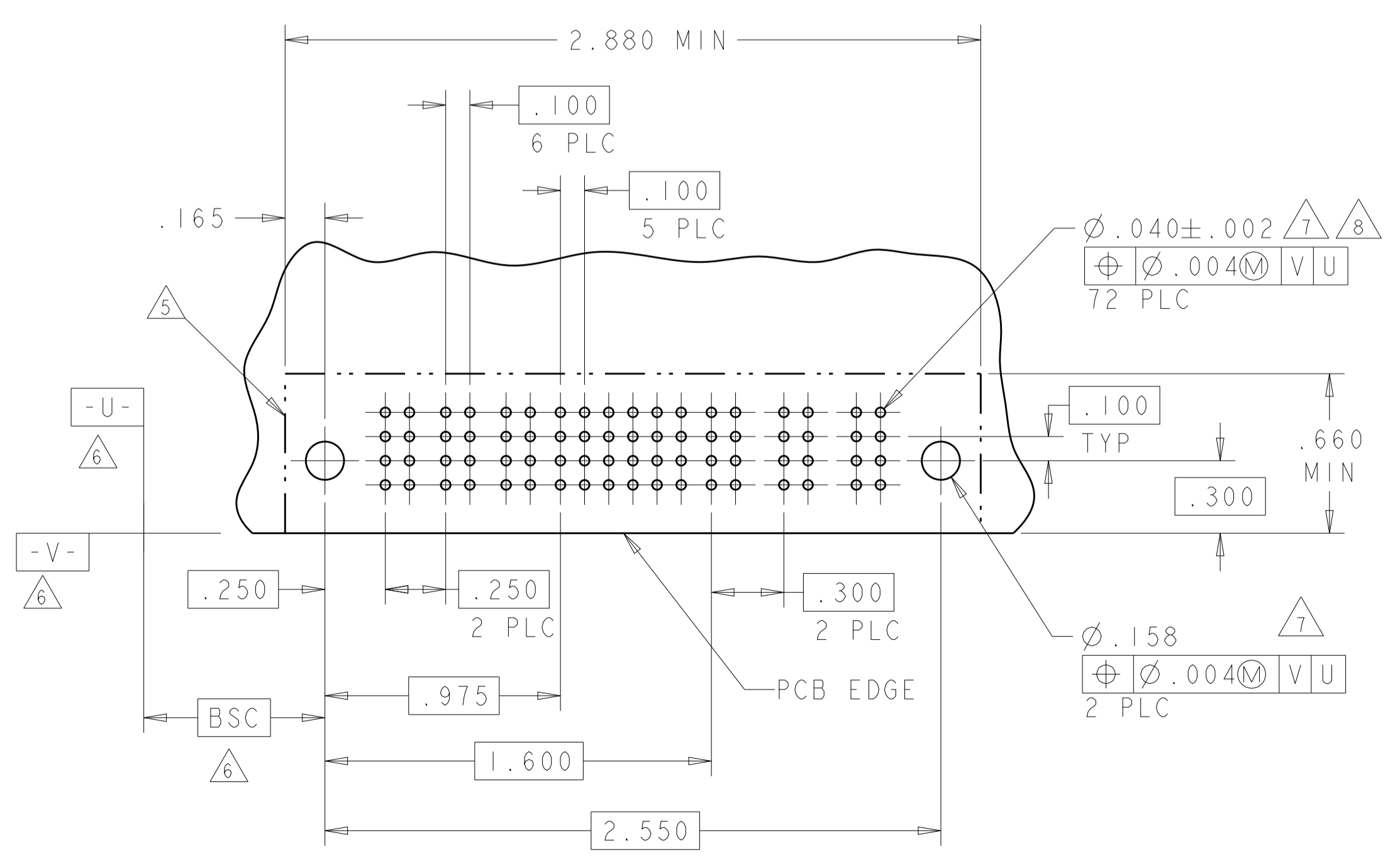
LOC	DIST	REV	DATE	BY	APPV
GP	00				
REVISIONS		DESCRIPTION	DATE	BY	APPV
		SEE SHEET 1			

PART NUMBER	ROWS	POWER		SIGNAL						POWER	
		P1	P2	1	2	3	4	5	6	P3	P4
6450320-1	D C B A	PM	PM	J	J	J	J	J	J	PM	PM
				K	K	K	K	K	K		
				N	N	N	N	N	N		
				S	S	S	S	S	S		
2P + 24S + 2P											

PART NUMBER	ROWS	POWER						SIGNAL							POWER										
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	7	P7	P8	P9	P10	P11	P12	P13				
6450320-4	D C B A	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
								K	K	K	K	K	K												
								N	N	N	N	N	N												
								S	S	S	S	S	S												
6P + 28S + 7P																									



PART NUMBER	ROWS	POWER			SIGNAL						POWER		
		P1	P2	P3	1	2	3	4	5	6	P4	P5	P6
6450320-2	D C B A	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM
					K	K	K	K	K	K			
					N	N	N	N	N	N			
					S	S	S	S	S	S			
3P + 24S + 3ACP													

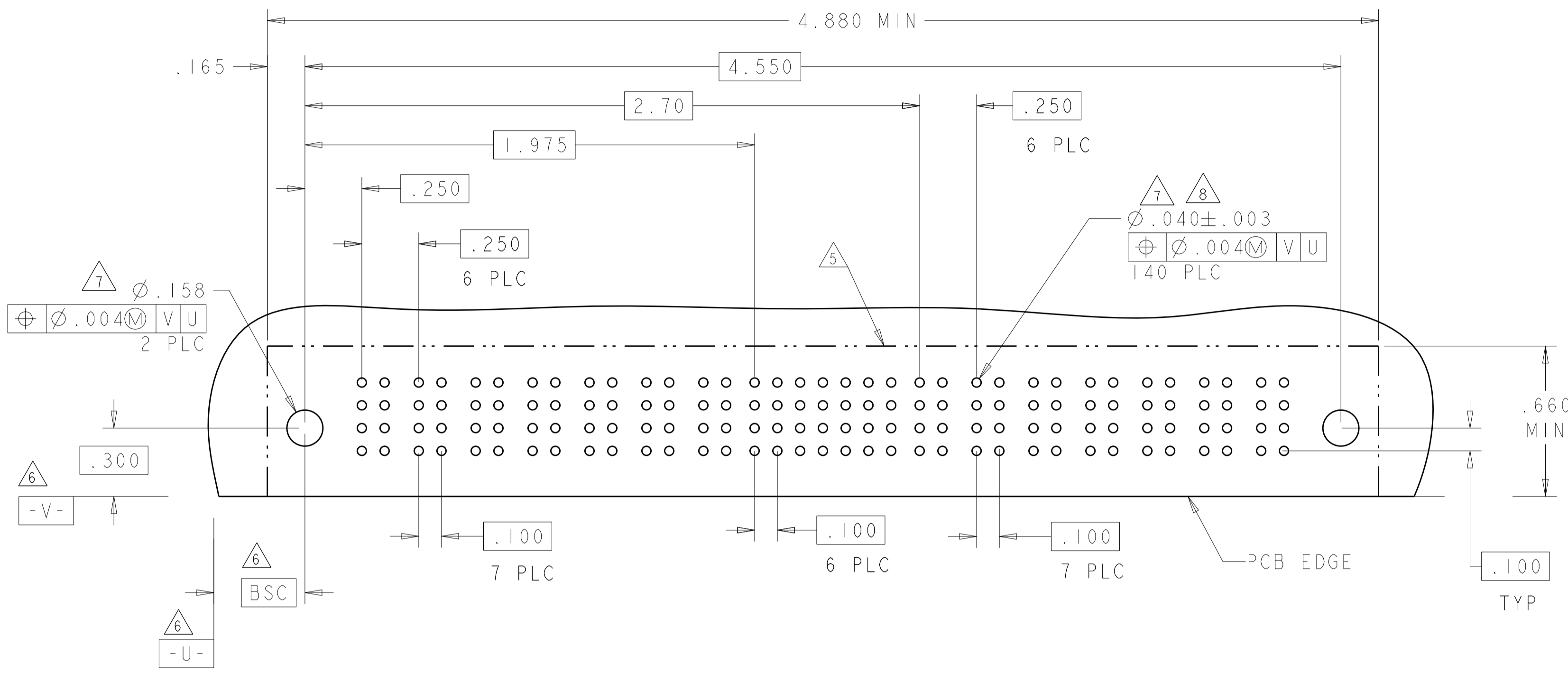


CODE	MATING SEQUENCE	TAIL LENGTH	ROW
Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A

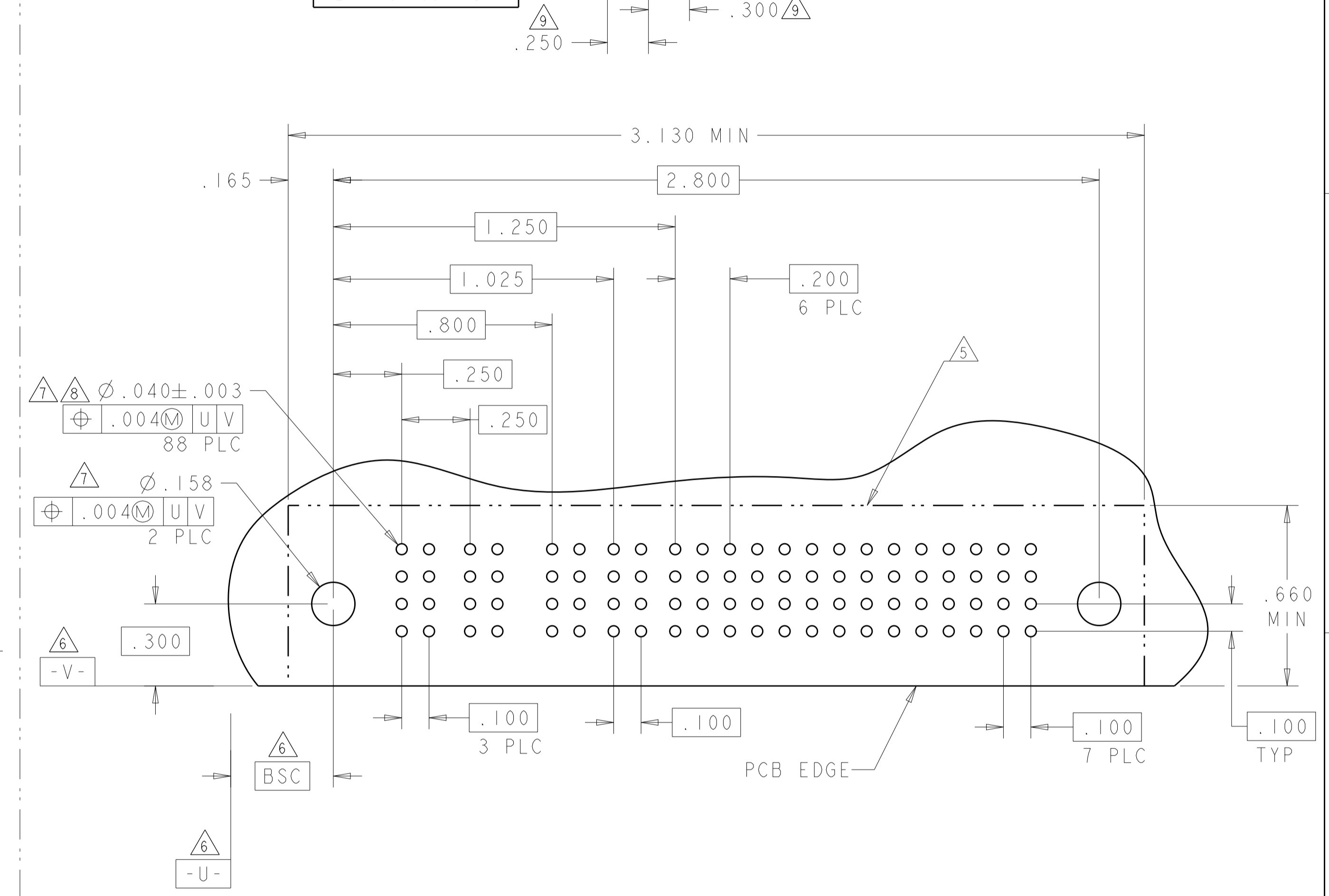
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DWN: R. GRZYBOWSKI 30MAR05		CHK: M. PERCHERKE 30MAR05		NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	
0 PLC ±.01		1 PLC ±.01		APVD: M. PERCHERKE		PRODUCT SPEC: 108-1973		SIZE: CAGE CODE DRAWING NO: 00779	
2 PLC ±.005		3 PLC ±.005		APPLICATION SPEC: 114-13038		WEIGHT: -		RESTRICTED TO: -	
4 PLC ±.002		ANGLES: 45°		MATERIAL: -		FINISH: -		CUSTOMER DRAWING: -	
SCALE: 4:1		SHEET: 3 of 7		REV: E2		Tyco Electronics Corporation Harrisburg, PA 17105-3608		PA: .090 PM: .135 CODE: TAIL LENGTH POWER CONTACT	

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

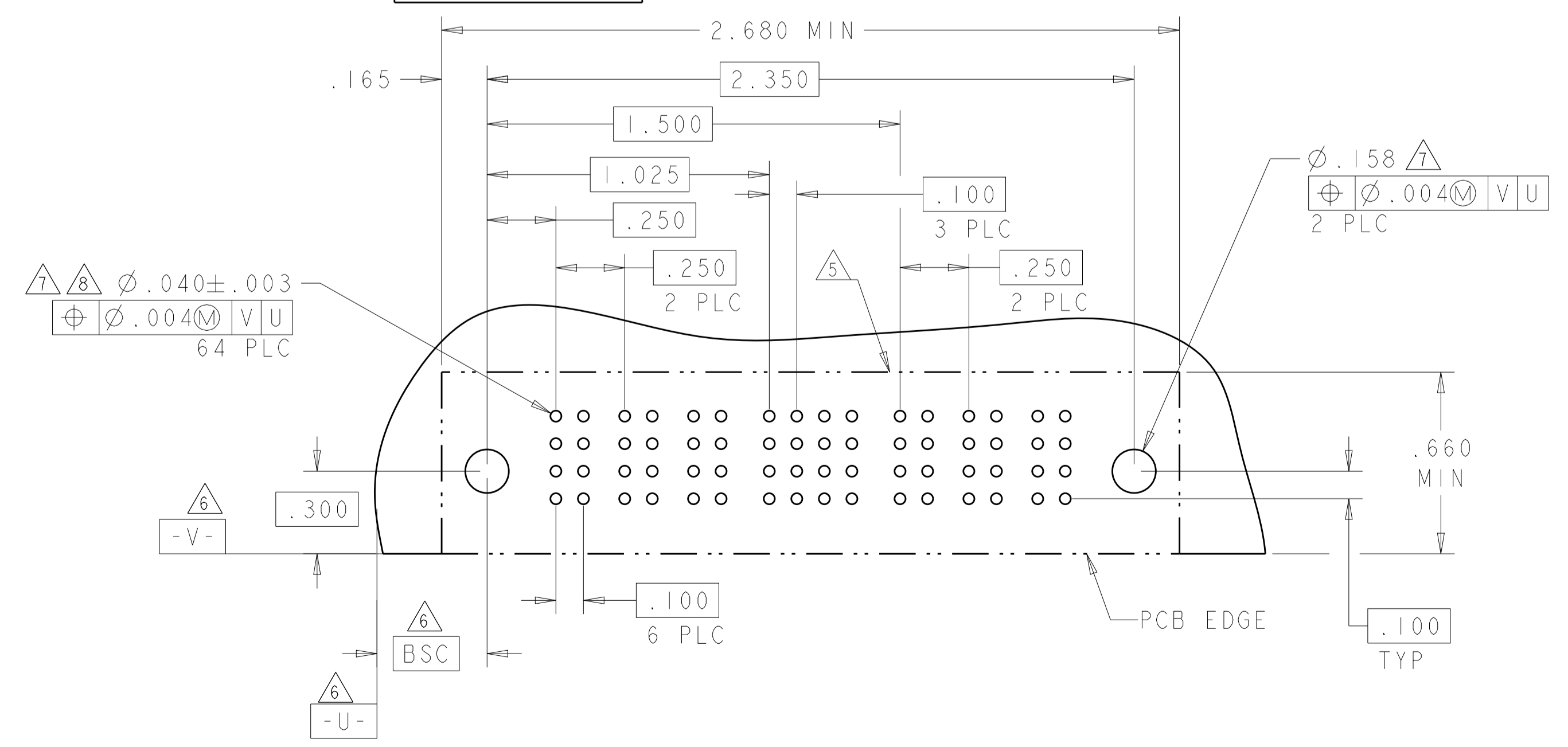
PART NUMBER	ROWS	POWER						SIGNAL							POWER								
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6	7	P8	P9	P10	P11	P12	P13	P14	
6450320-5	D C B A	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM		
								K	K	K	K	K	K										
								N	N	N	N	N	N										
								S	S	S	S	S	S										
7P + 28S + 7P																							



PART NUMBER	ROWS	POWER			SIGNAL		POWER									
		P1	P2	P3	1	2	P4	P5	P6	P7	P8	P9	P10			
6450320-8	D C B A	PM	PM	PM	J	J	PM	PM	PM	PM	PM	PM	PM			
					K	K										
					N	N										
					S	S										
2P+1ACP+8S+7HDP																



PART NUMBER	ROWS	POWER			SIGNAL				POWER		
		P1	P2	P3	1	2	3	4	P4	P5	P6
6450320-9	D C B A	PM	PM	PM	J	J	J	J	PM	PM	PM
					K	K	K	K			
					N	N	N	N			
					S	S	S	S			
3P + 16S + 3P											

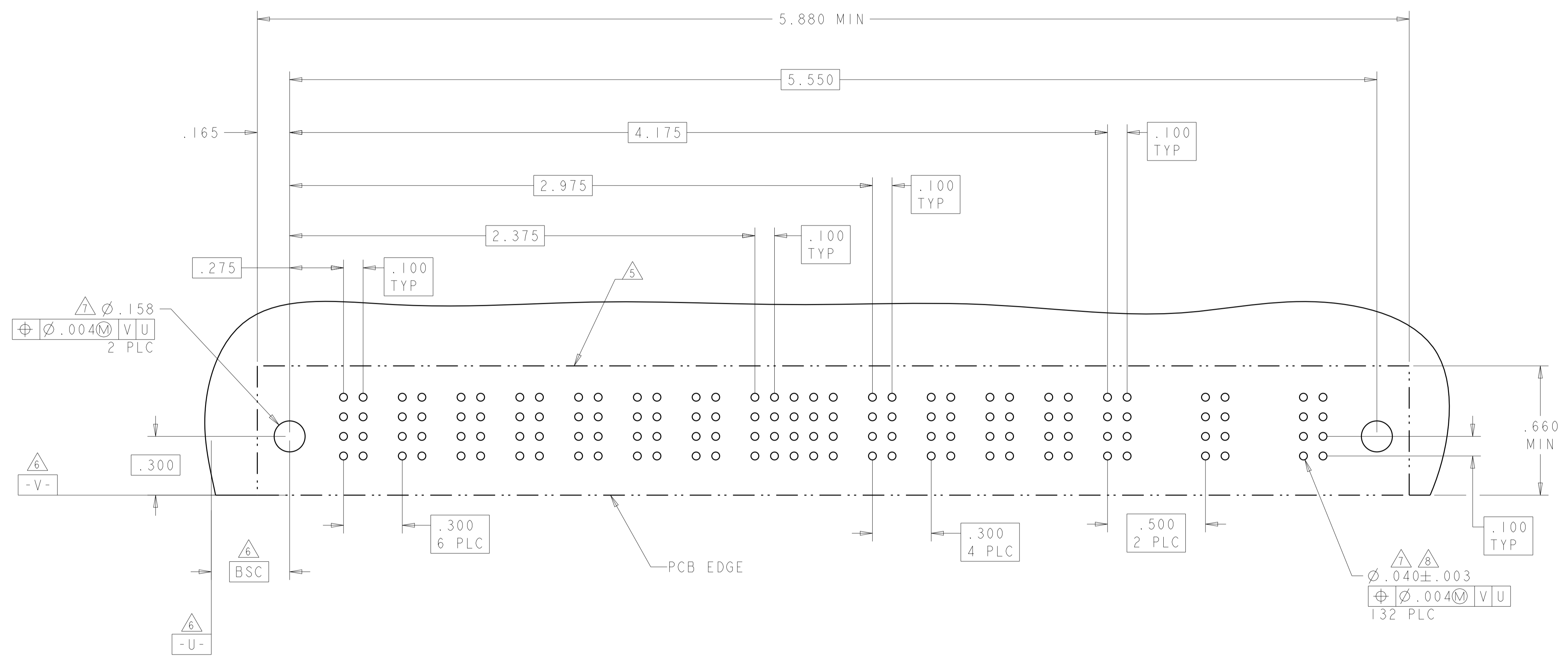


DIMENSIONS: INCHES 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.020 FINISH		DWN: R. GRZYBOWSKI 30MAR05 CHK: M. PERCHERKE 30MAR05 APVD: M. PERCHERKE PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038 WEIGHT CUSTOMER DRAWING		Tyco Electronics Corporation Harrisburg, PA 17105-3608 NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL SIZE: A1 CAGE CODE: 00779 DRAWING NO: 6450320 SCALE: 4:1 SHEET: 4 OF 7 REV: E2	
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LOC		DIST		REVISONS			
GP	00	P	LYN	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1			

PART NUMBER	ROWS	POWER							SIGNAL					POWER								
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	P8	P9	P10	P11	P12	P13	P14	P15	P16
I-6450320-0	D	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM
	C	PM	PM	PM	PM	PM	PM	PM	K	K	K	K	K	PM	PM	PM	PM	PM	PM	PM	PM	PM
	B	PM	PM	PM	PM	PM	PM	PM	N	N	N	N	N	PM	PM	PM	PM	PM	PM	PM	PM	PM
	A	PM	PM	PM	PM	PM	PM	PM	S	S	S	S	S	PM	PM	PM	PM	PM	PM	PM	PM	PM
7ACP+20S+4ACP+5P																						

NO CONTACT LOADED

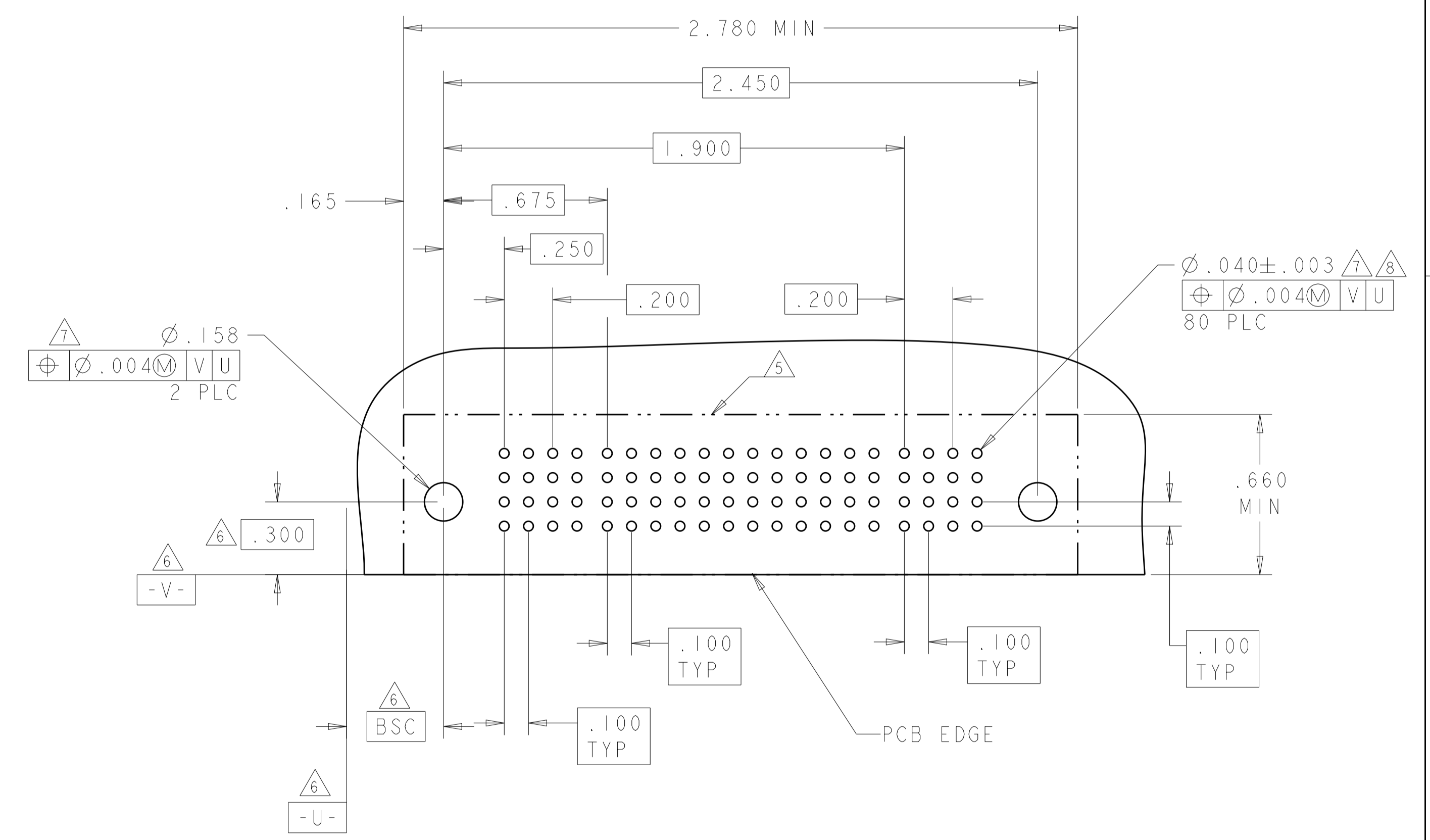
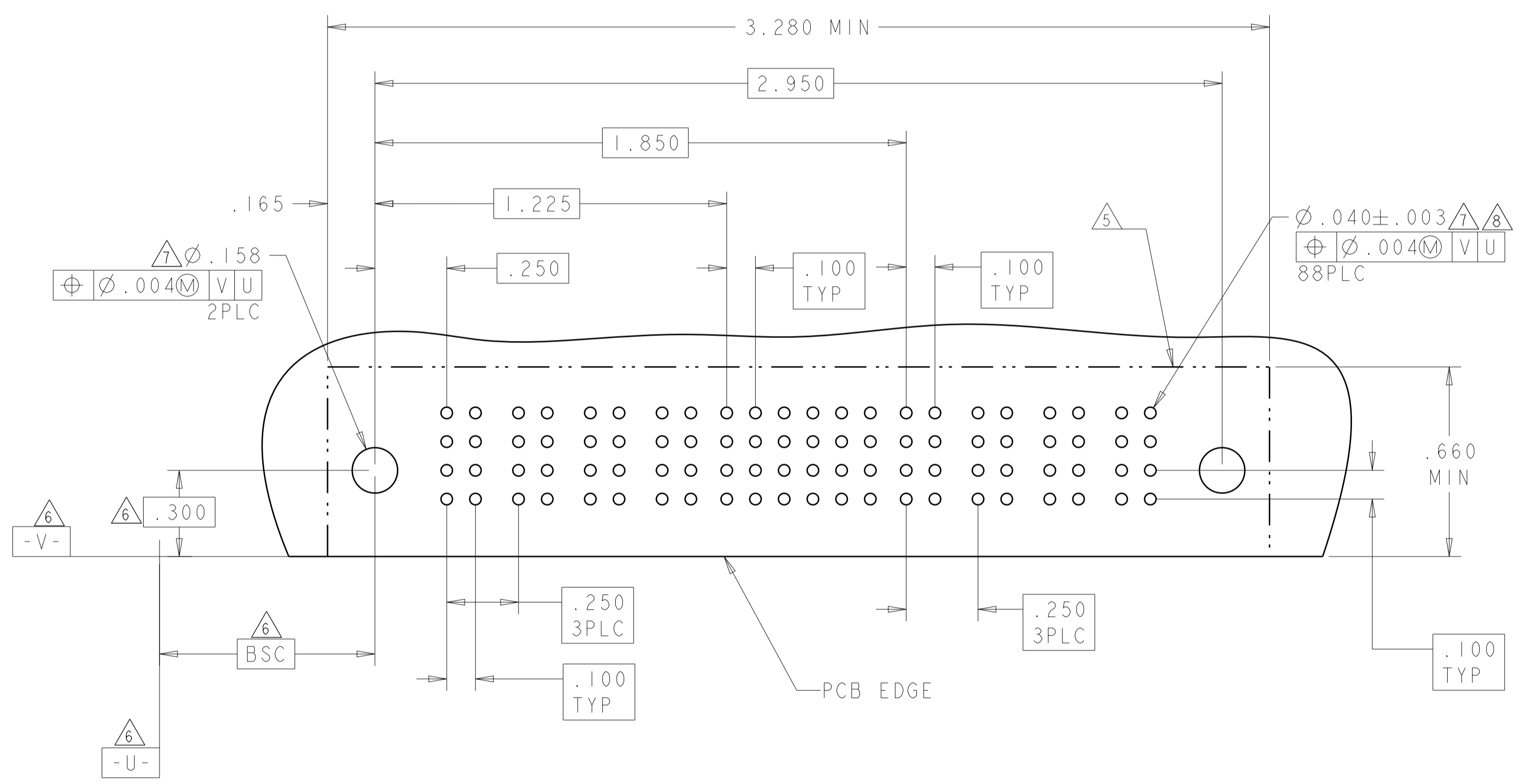


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DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2° FINISH	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: - CUSTOMER DRAWING	SIZE: A1 CAGE CODE: 00779 DRAWING NO: 6450320 RESTRICTED TO: - SCALE: 4:1 SHEET: 5 of 7 REV: E2

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

PART NUMBER	ROWS	POWER				SIGNAL						POWER			
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7	P8
I-6450320-1	D	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM
	C					K	K	K	K	K	K				
	B					N	N	N	N	N	N				
	A					S	S	S	S	S	S				
4P + 24S + 4P															

PART NUMBER	ROWS	POWER		SIGNAL												POWER		
		P1	P2	1	2	3	4	5	6	7	8	9	10	11	12	P3	P4	
I-6450320-2	D	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	J	PM	PM
	C			K	K	K	K	K	K	K	K	K	K	K	K			
	B			N	N	N	N	N	N	N	N	N	N	N	N	N		
	A			S	S	S	S	S	S	S	S	S	S	S	S	S		
2P + 48S + 2P																		

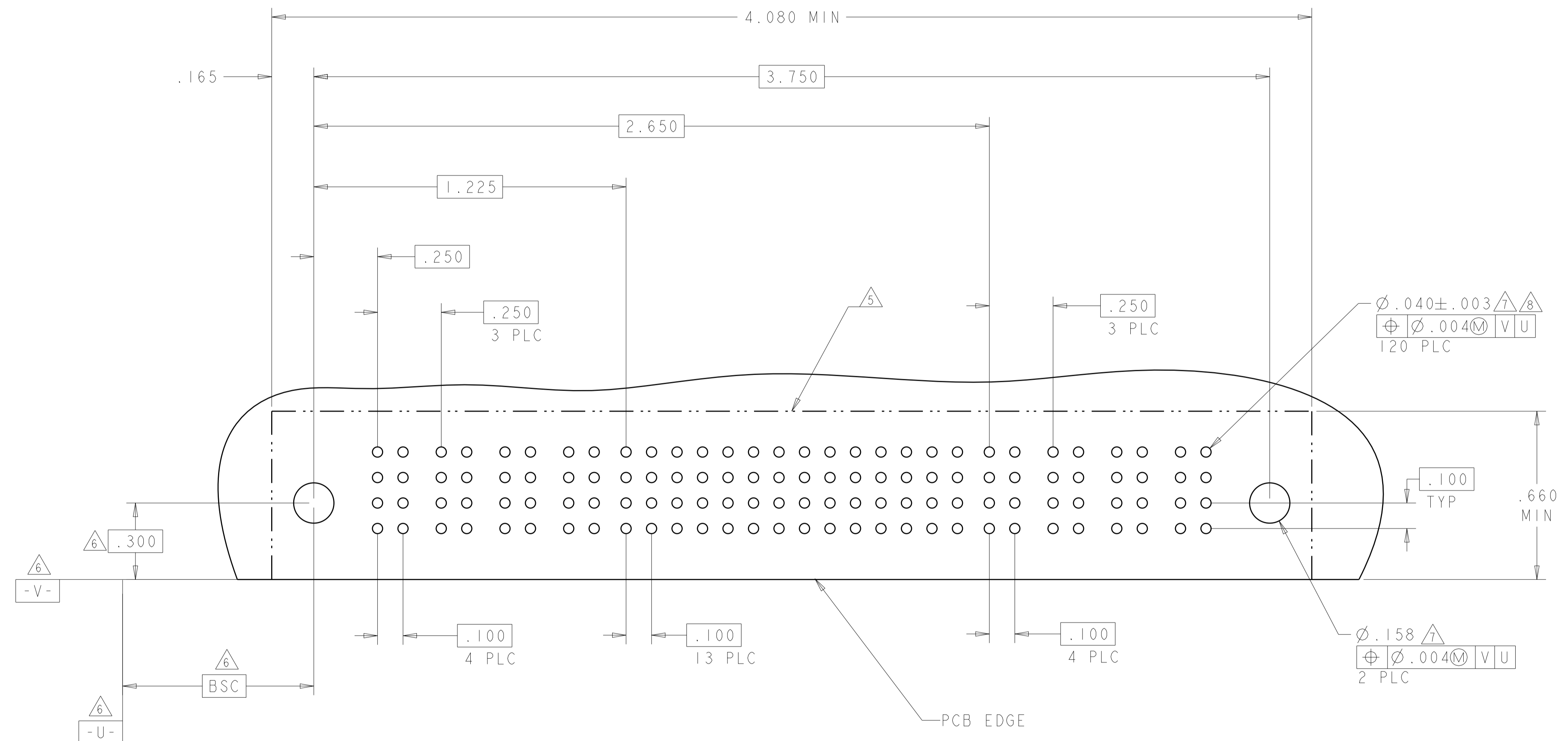


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DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.02 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038 WEIGHT: - FINISH: -	SIZE: A1 CAGE CODE: 00779 DRAWING NO: 6450320 SCALE: 4:1 SHEET: 6 OF 7 REV: E2
MATERIAL: - FINISH: -		CUSTOMER DRAWING	RESTRICTED TO: -

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

(E1)

PART NUMBER	ROWS	POWER				SIGNAL														POWER							
		P1	P2	P3	P4	1	2	3	4	5	6	7	8	9	10	11	12	13	14	P5	P6	P7	P8				
I-6450320-3	D	PM	PM	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J		
	C					K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	
	B					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	A					S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
4P + 56S + 4P																											



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DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	PRODUCT SPEC: 108-1973 APPLICATION SPEC: 114-13038	NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL	SIZE: A1 CAGE CODE: 00779 DRAWING NO: 6450320
MATERIAL: -	FINISH: -	WEIGHT: -	CUSTOMER DRAWING	SCALE: 4:1 SHEET: 7 OF 7 REV: E2