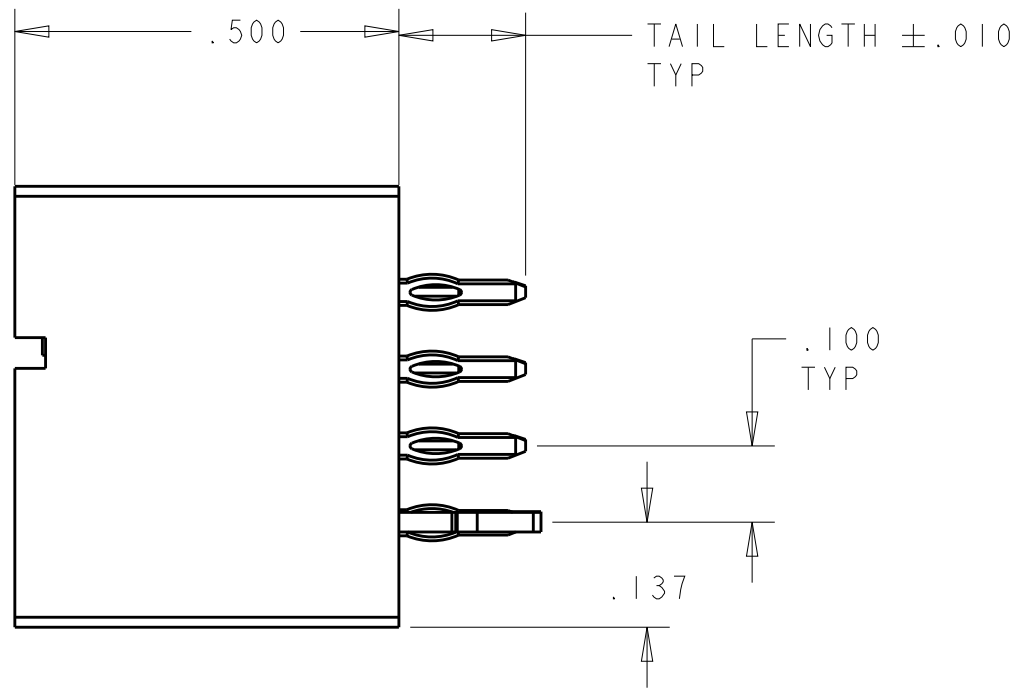
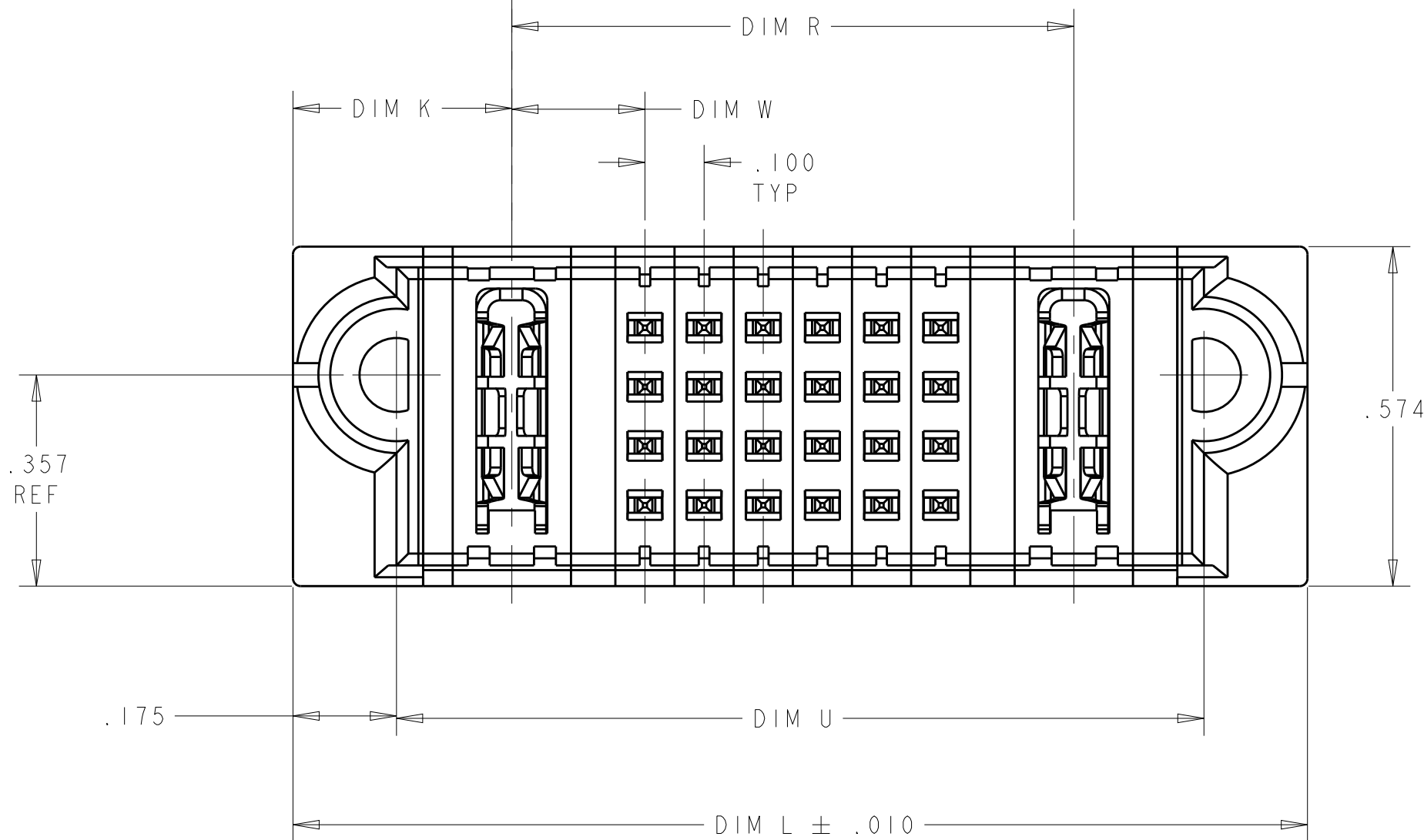
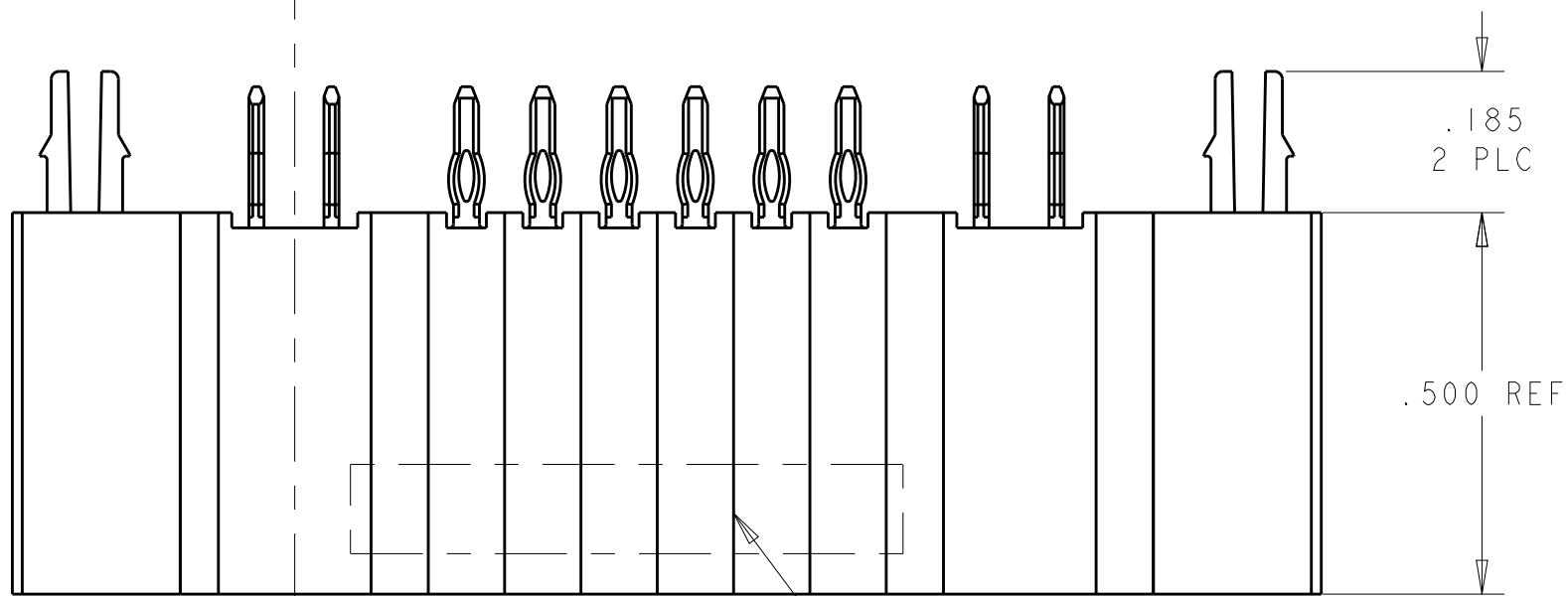
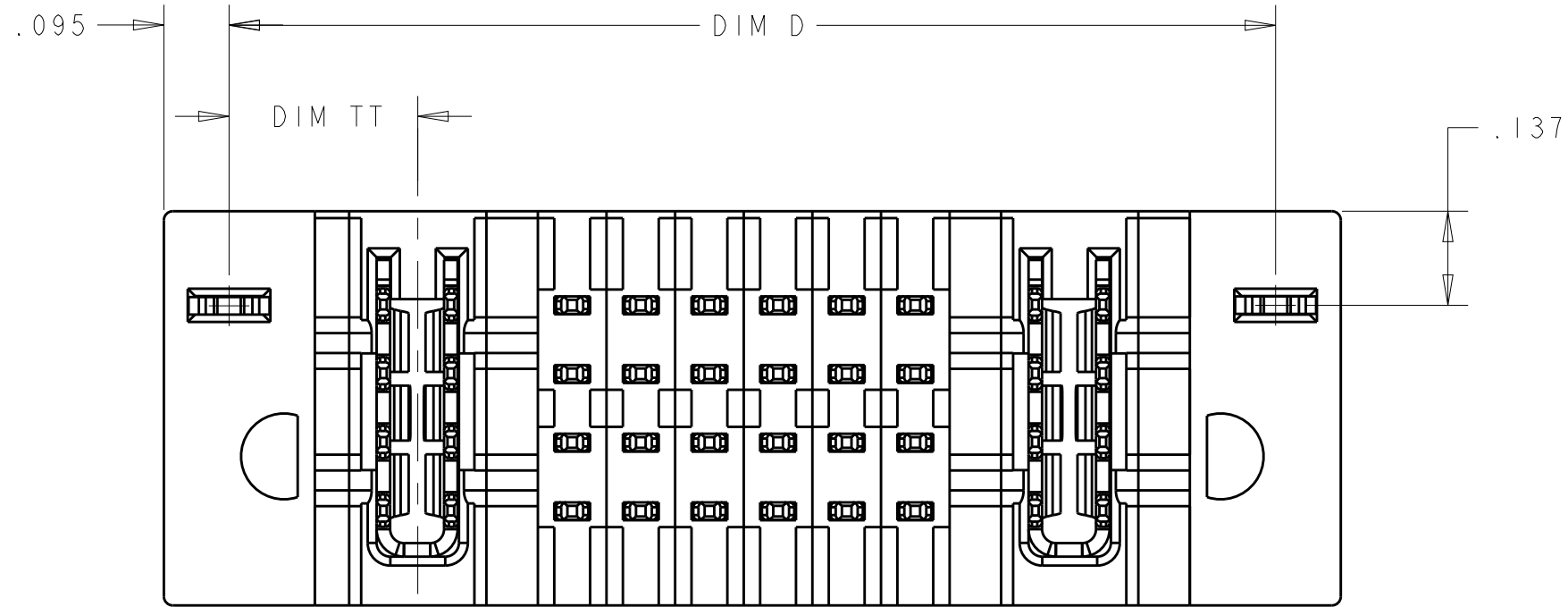


LOC	DIST	REVISIONS						
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD	
			G6	ADD NEW PART -25	19AUG2013	AY	SZ	
			G7	UPDATE -25 MATING SEQUENCE	29AUG2013	AY	SZ	
			G8	UPDATE -25 MATING SEQUENCE	30AUG2013	AY	SZ	



- 1

HEADER HOUSING: THERMO PLASTIC, BLACK, UL94 V-O; CONTACTS AND RETENTION CLIPS: COPPER ALLOY.
- 2

CONTACT PLATING:NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS
- 3

"AMP", PART NUMBER AND DATE CODE MARKED IN THIS AREA. PARTS UNDER 2.50 LONG MAY BE MARKED ON BOTH SIDES.
- 4

DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- 5

PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- 6

A SEATING TOOL IS REQUIRED TO SEAT THE HEADER ON THE P.C. BOARD. PLEASE REFER TO THE 114-13251 APPLICATION SPEC.
- 7

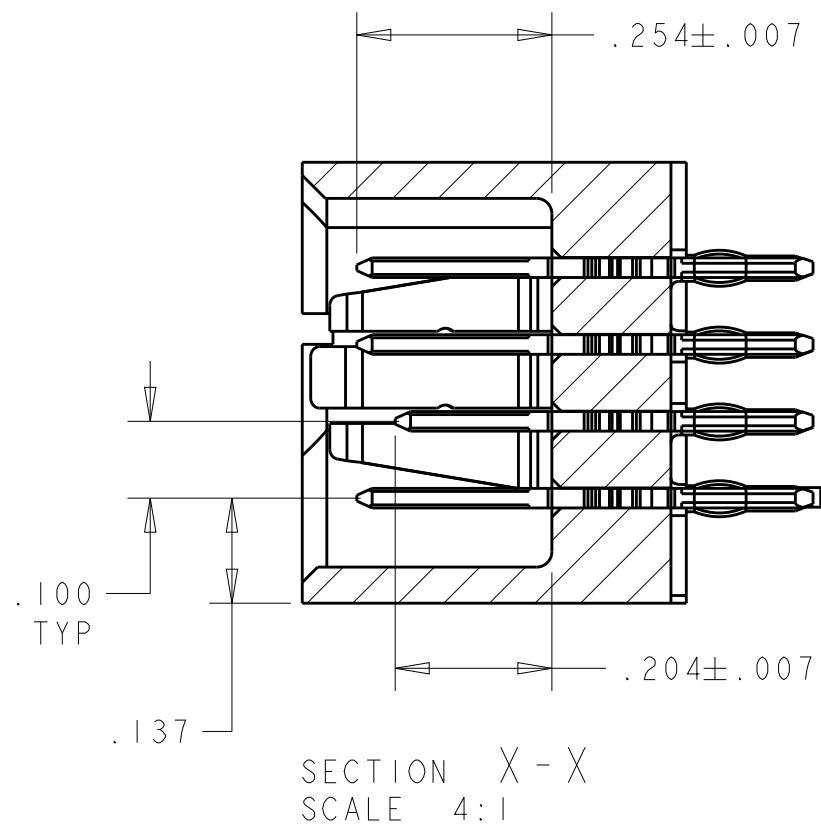
MECHANICAL CONNECTOR KEEP OUT ZONE.
- 8

DETAIL DIM SEE PART VIEW
- 9

FOR THE CONFIGURATION WITH VENT, PLEASE REFER TO SHEET 2.
- 10

FOR THE CONFIGURATION LP/S/LP WITH VENT, PLEASE REFER TO SHEET 3.
- 11

FOR THE CONFIGURATION LP/S/P, WITH VENT, PLEASE REFER TO SHEET 4.



66	.240	.165	.1825	2.220	1.870	2.030	1.145	.7125	.2775	3LP + 16S + 4LP	2-6450820-5
	.200	-	.225	3.065	2.715	2.875	-	1.975	.320	10HDP + 24S	2-6450820-3
	.300	-	.275	1.790	1.440	1.600	-	1.150	.370	4ACP + 4S	2-6450820-2
	.115	.250	.2075	2.555	2.205	2.365	1.4075	.7325	.3025	6LP + 24S + 3P	2-6450820-1
	-	-	.1825	1.120	.770	.930	.565	.1575	.2775	1LP + 16S + 1LP	2-6450820-0
	.250	.250	.250	3.540	3.190	3.350	1.850	1.175	.345	5P + 24S + 5P	1-6450820-9
	.250	.250	.225	4.140	3.790	3.950	2.500	1.200	.320	5P + 48S + 5P	1-6450820-8
	.250	-	.225	4.640	4.290	4.450	-	2.950	.320	12P + 48S	1-6450820-7
	.250	-	.225	2.415	2.065	2.225	-	1.425	.320	6P + 20S	1-6450820-5
	-	.300	.175	2.665	2.315	2.475	.575	-	.270	20S + 6ACP	1-6450820-4
	.300	.300	.225	2.840	2.490	2.650	1.600	.850	.320	3ACP + 24S + 3ACP	1-6450820-3
	.250	.250	.250	4.040	3.690	3.850	2.100	1.425	.345	6P + 24S + 6P	1-6450820-1
63	.250	.250	.225	6.240	5.890	6.050	3.850	1.950	.320	8P + 72S + 8P	6450820-9
	.250	.250	.225	6.240	5.890	6.050	3.850	1.950	.320	8P + 72S + 8P	6450820-8
	8	8	.250	5.390	5.040	5.200	8	8	.345	14P + 40S	6450820-7
	8	8	.250	5.390	5.040	5.200	8	8	.345	14P + 40S	6450820-6
	.250	.250	.250	2.640	2.290	2.450	1.200	.925	.345	4P + 8S + 4P	6450820-5
	.250	.250	.250	3.640	3.290	3.450	1.700	1.425	.345	6P + 8S + 6P	6450820-4
	.250	.250	.275	2.790	2.440	2.600	1.550	.675	.370	3P + 32S + 3P	6450820-3
	-	-	.250	1.540	1.190	1.350	.850	.175	.345	1P + 24S + 1P	6450820-2
	-	-	.275	1.715	1.365	1.525	.950	.225	.370	1P + 24S + 1P	6450820-1
	DIM S	DIM T	DIM TT	DIM L	DIM U	DIM D	DIM R	DIM W	DIM K	DESCRIPTION	PART NUMBER

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 ±.020
FINISH

DWN
D. ZHU
CHK
S. ZHAO
APVD
S. ZHAO

15NOV2007
15NOV2007

PRODUCT SPEC
108-2292
APPLICATION SPEC
114-13251

WEIGHT
-

Customer Drawing

NAME
VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE
A1

CAGE CODE
6450820

DRAWING NO
100779

RESTRICTED TO
-

SHEET
1

OF
20

REV
G8

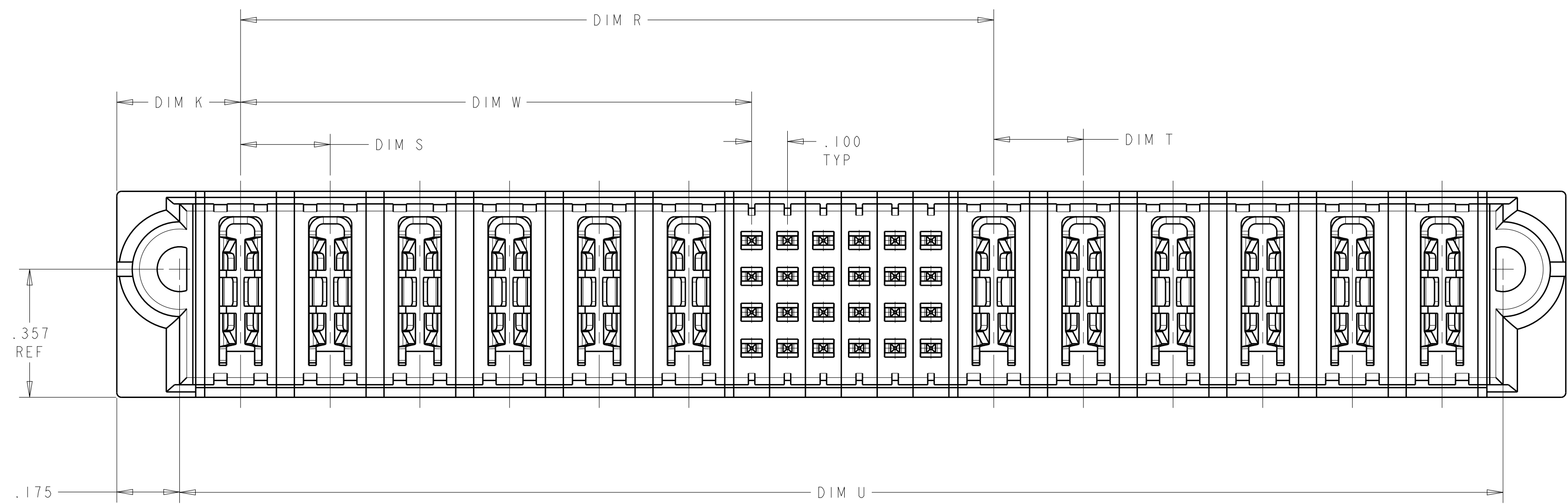
TE Connectivity

SCALE
-

SHEET
1

OF
20

REV
G8

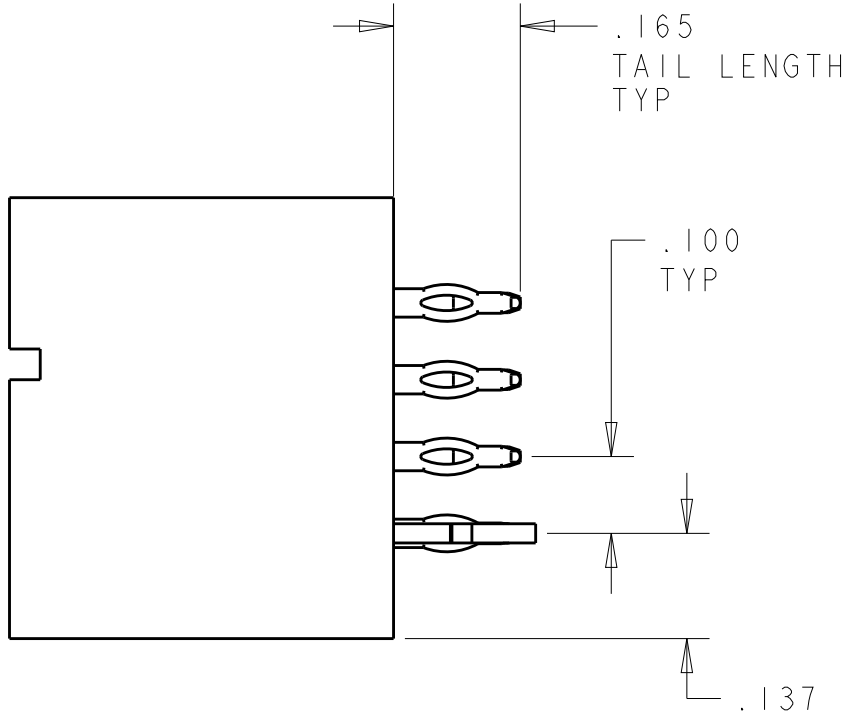
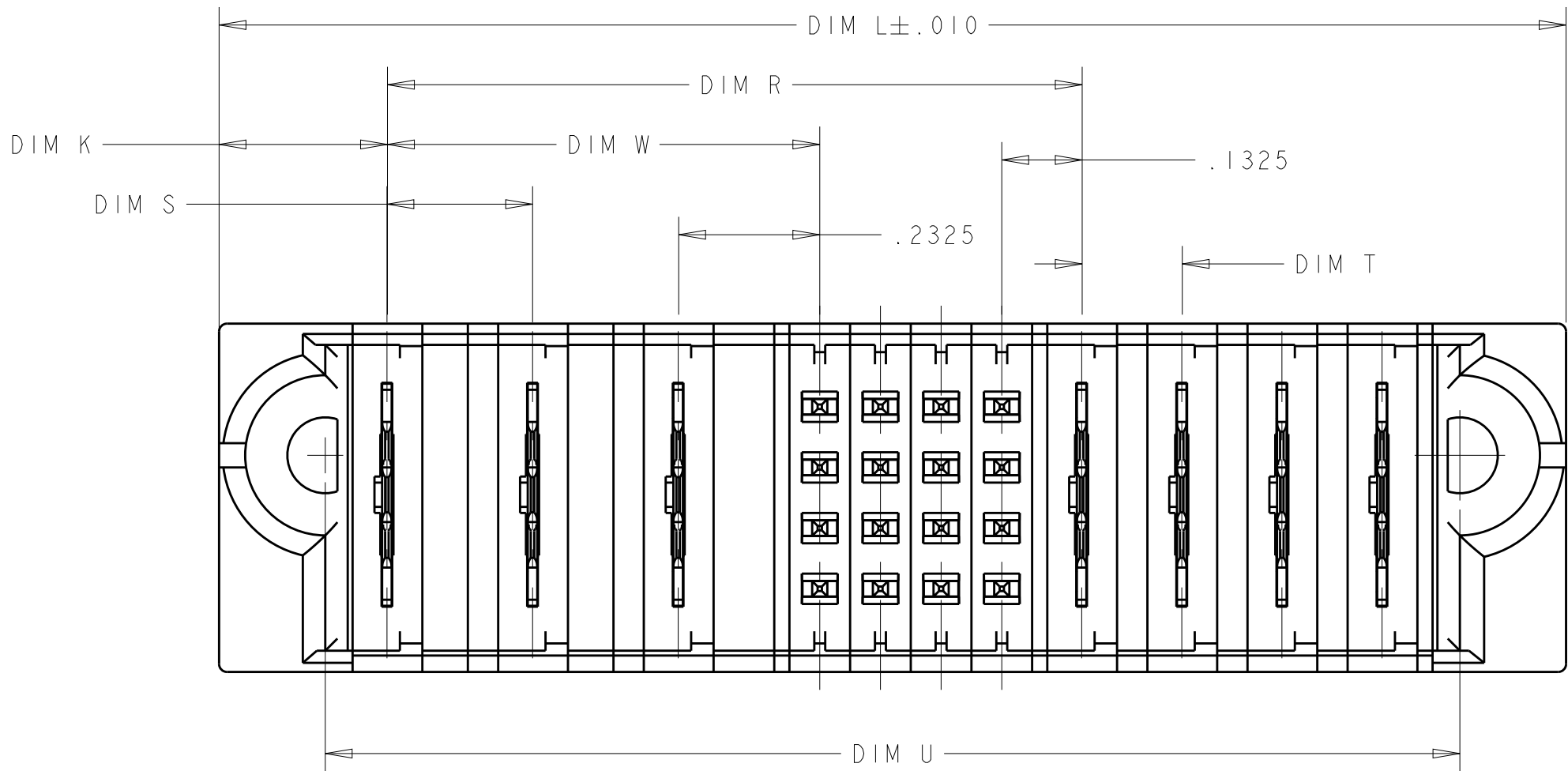
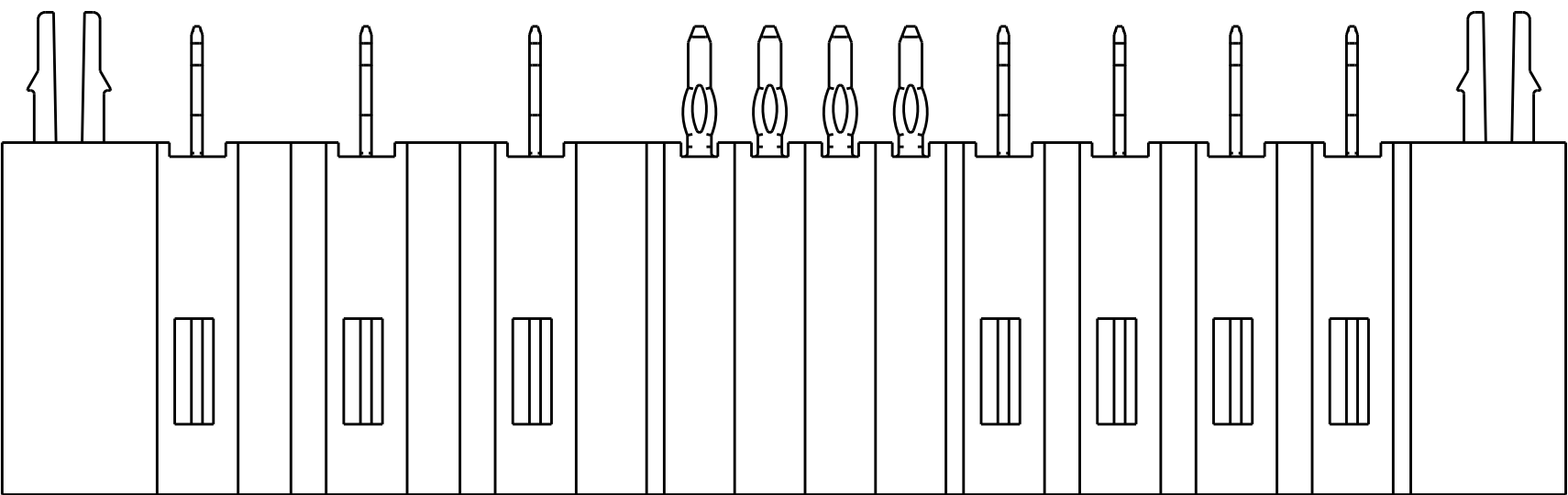
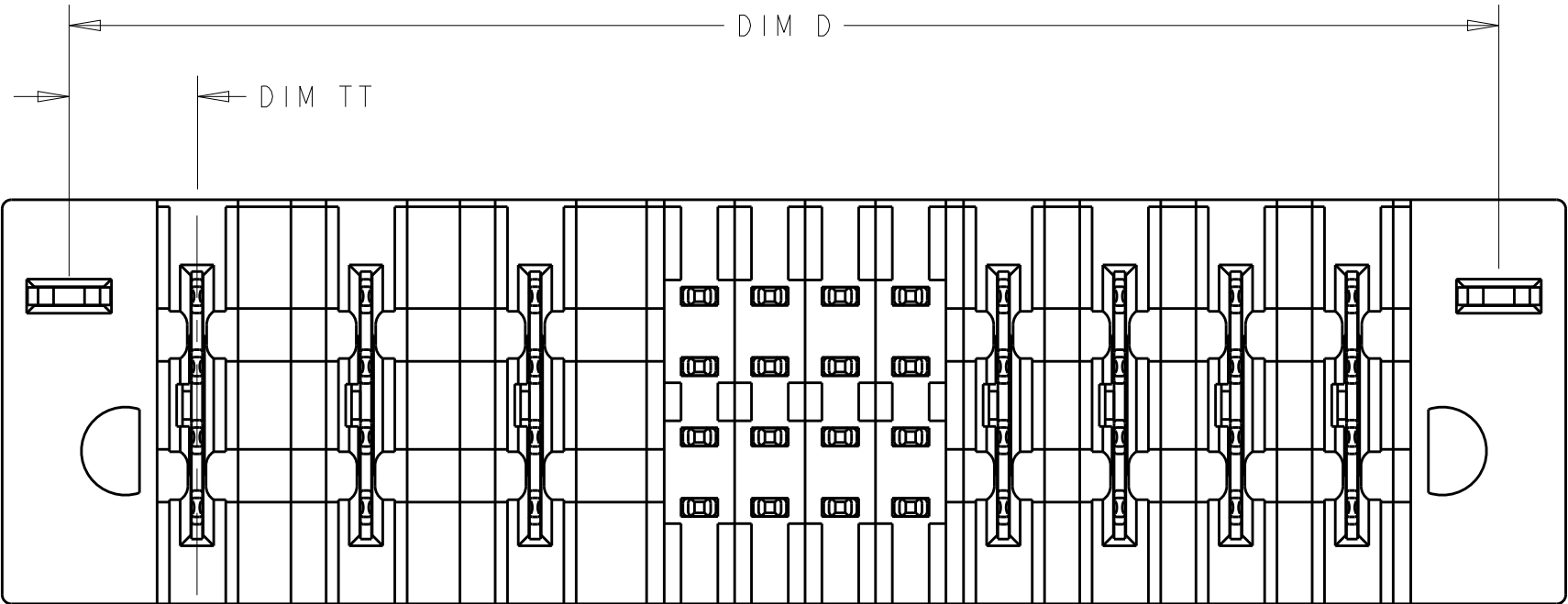


Technical drawing of a component with the following dimensions and tolerances:

- Overall width: .500
- Overall height: .574
- Contact tail length: $.165 \pm .010$ CONTACT TAIL LENGTH TYP
- Bottom contact width: .100 TYP
- Bottom contact depth: .137

4805 (3/11)

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
D. ZHU
CHK
S. ZHAO
APVD
S. ZHAO

15NOV2007
15NOV2007
-

DIMENSIONS:
INCHES

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

NAME
D. ZHU

PRODUCT SPEC
108-2292

APPLICATION SPEC
114-13251

WEIGHT
-

Customer Drawing

TE Connectivity

VERTICAL HEADER ASSEMBLY W/ SHORT
END MODULES, PRESS FIT
MULTI-BEAM XLE

SIZE
A1

CAGE CODE
00779

DRAWING NO
6450820

RESTRICTED TO
-

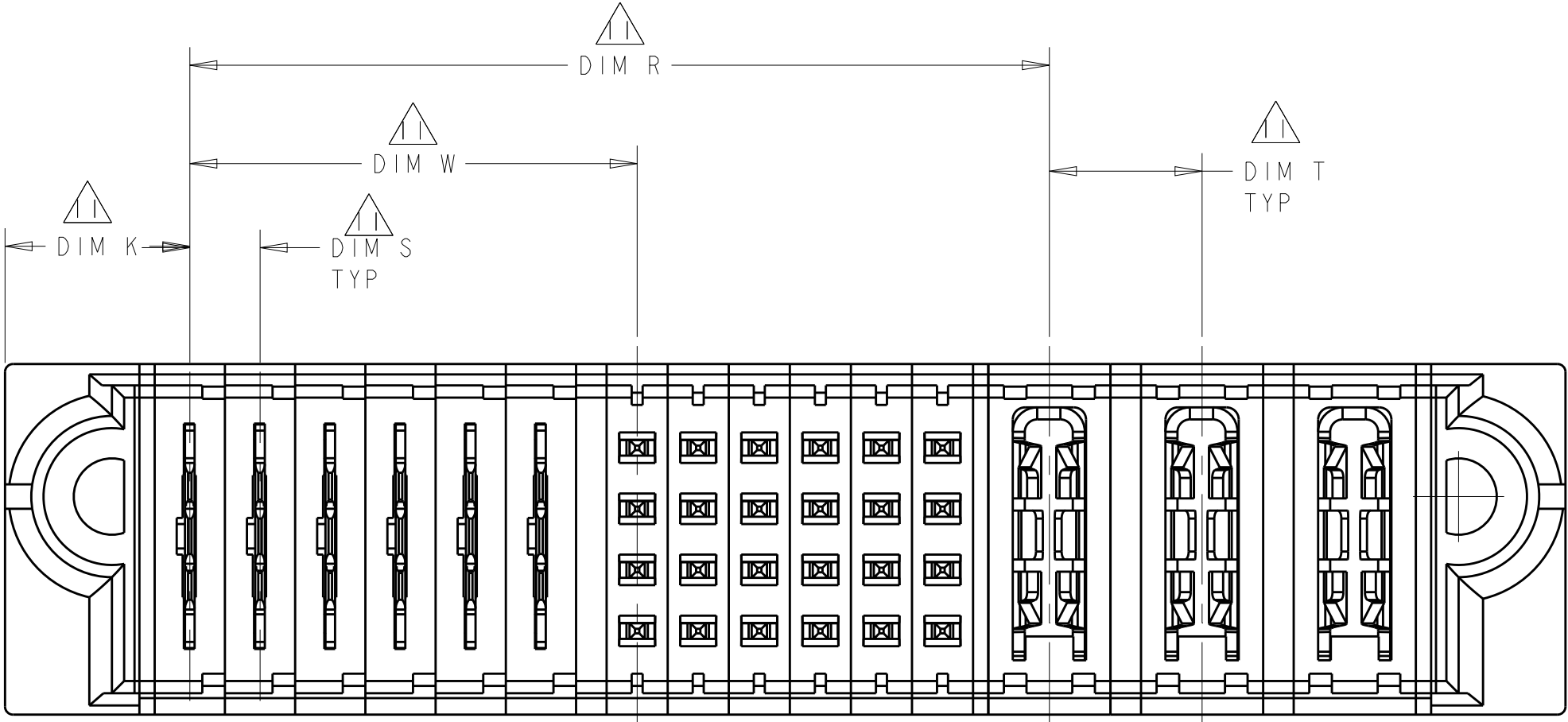
SCALE
-

SHEET
3

OF
20

REV
G8

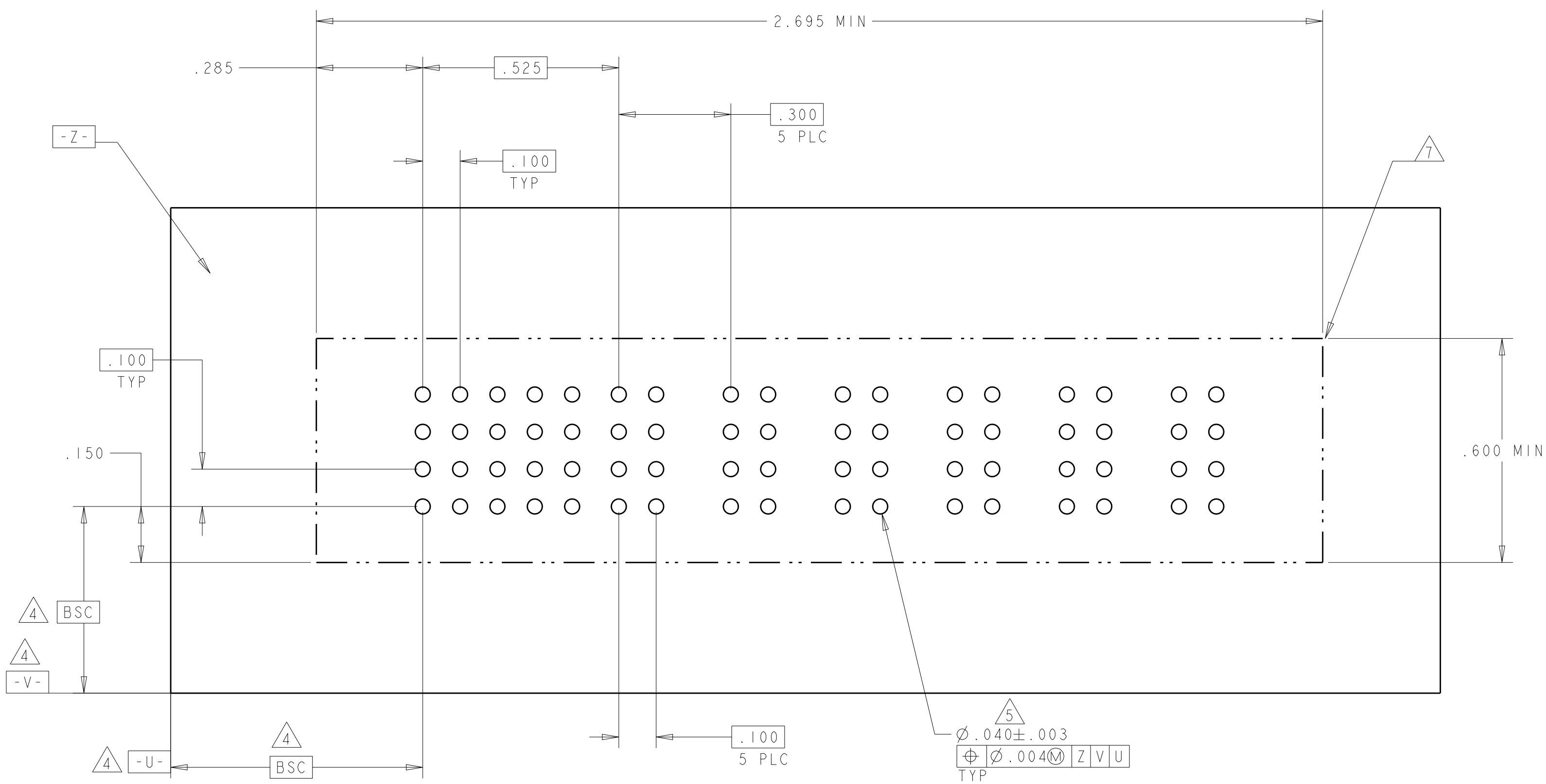
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-



FOR THE CONFIGURATION LP/S/P WITH VENT
OTHER DIMSENSIONS PLEASE REFER TO SHEET 2

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. ZHU	15NOV2007	 TE Connectivity	
DIMENSIONS:		CHK S. ZHAO	15NOV2007		
INCHES		APVD S. ZHAO	-	NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE	
		PRODUCT SPEC			
		108-2292		SIZE	CAGE CODE
		APPLICATION SPEC		DRAWING NO	RESTRICTED TO
		114-13251		A100779	©=6450820
MATERIAL		WEIGHT		Customer Drawing	
-		-		SCALE	SHEET 4 OF 20
				REV	G8

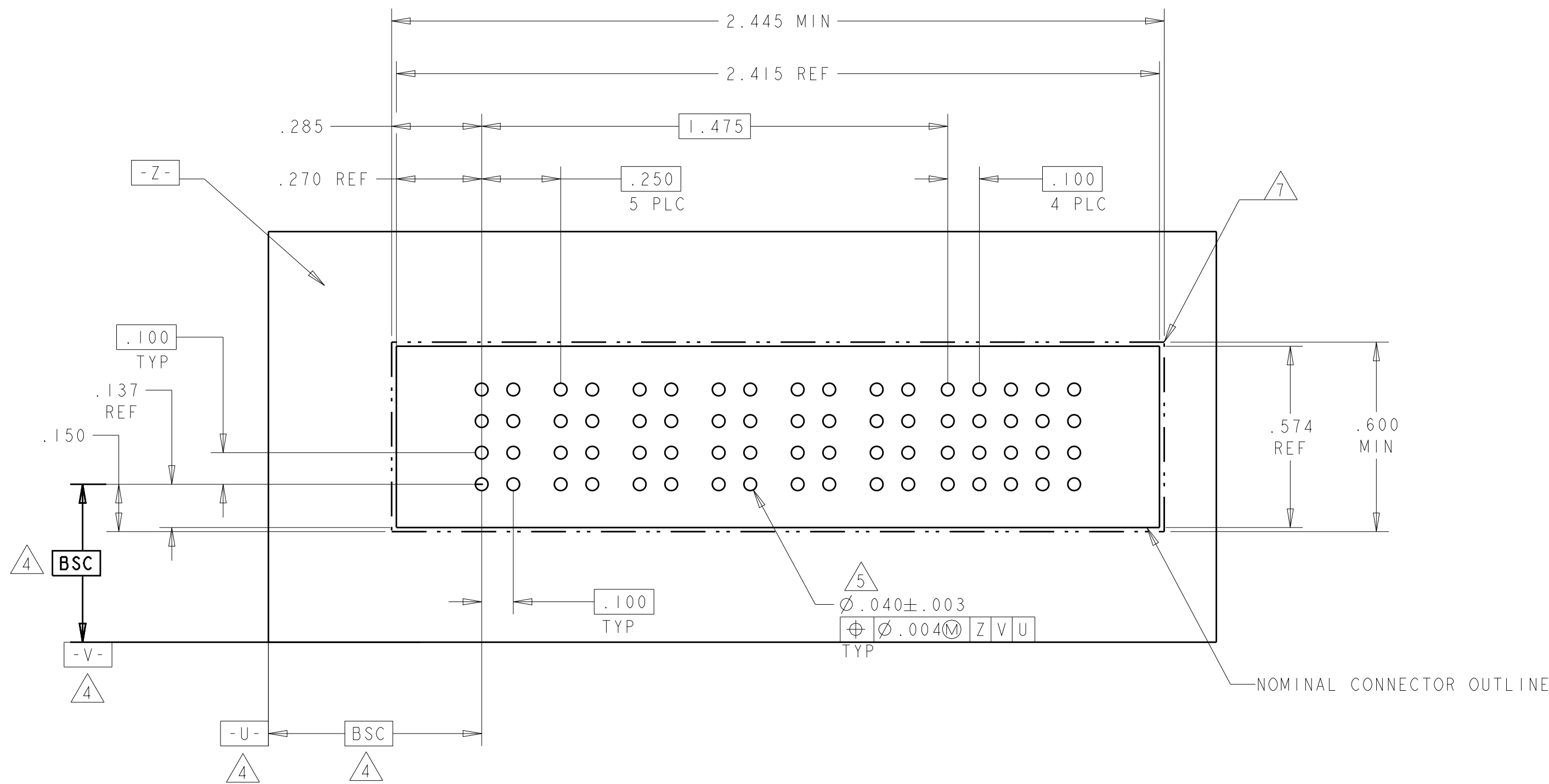
PART NUMBER	ROWS		SIGNAL					POWER						
			1	2	3	4	5	P1	P2	P3	P4	P5	P6	
1-6450820-4	D		EV	EV	EV	EV	EV							
	EV		EV	EV	EV	EV								
	EV		EV	EV	EV	EV								
	ES		EV	EV	EV	EV								
20S + 6ACP														



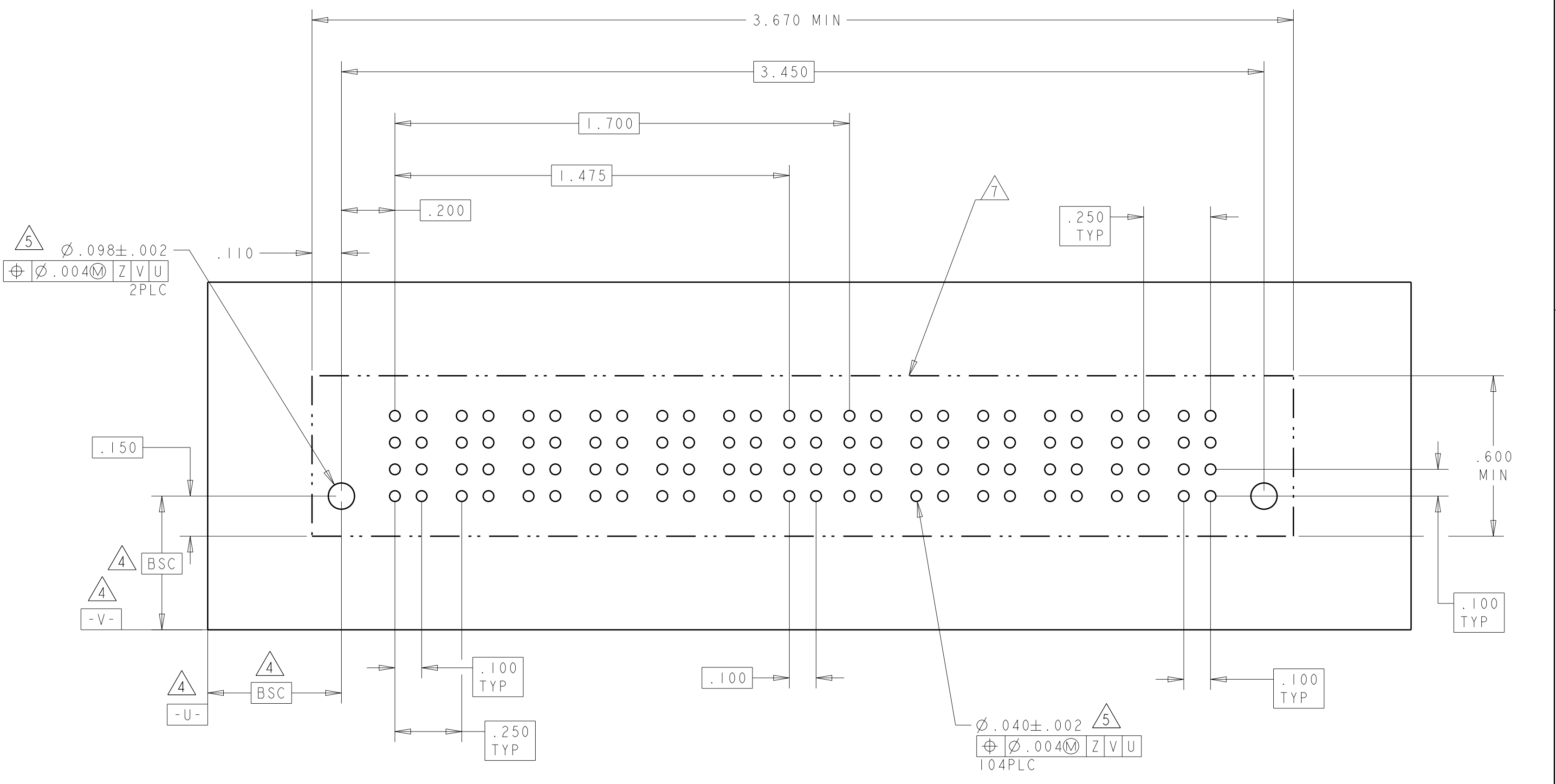
.165"	LOW POWER CONTACT	MFBLL	LZF
.165"	LOW POWER CONTACT		LZ
.165"	SIGNAL CONTACT	MFBLL	EF
-	HOLD DOWN		HD
.165"	SIGNAL CONTACT	MLBF	ES
.165"	SIGNAL CONTACT	STD	EV
.165"	POWER CONTACT		VM
TAIL LENGTH	DESCRIPTION		CODE

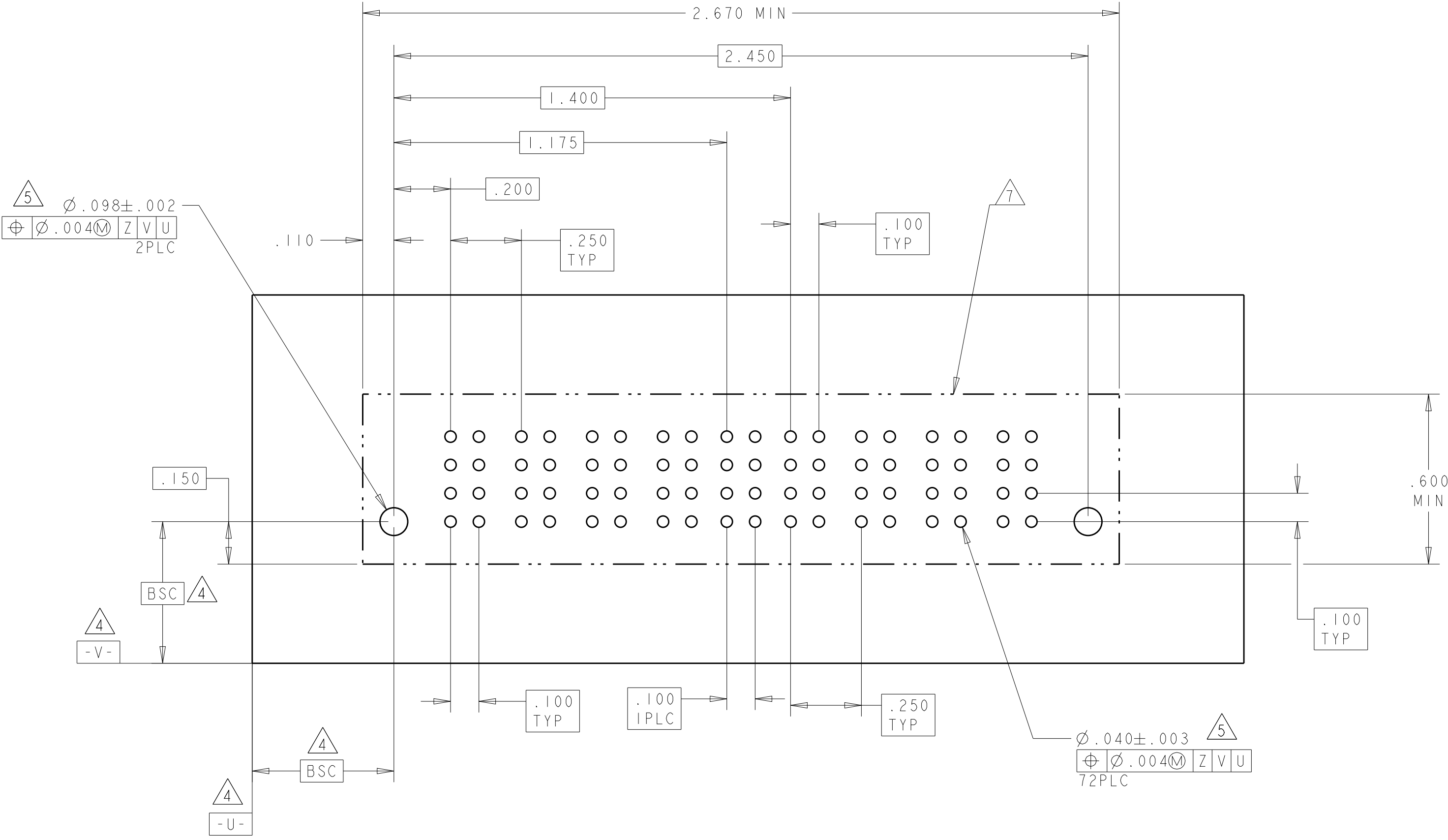
4805 (3/11)

PART NUMBER	ROWS		POWER						SIGNAL						
			P1	P2	P3	P4	P5	P6	1	2	3	4	5		
I-6450820-5	D C B A			VM	VM	VM	VM	VM	VM						
										EV	EV	EV	EV	EV	
										EV	EV	EV	EV	EV	
										EV	ES	EV	EV	EV	
										EV	EV	EV	EV	EV	
6P + 20S															

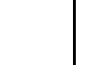
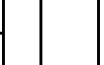
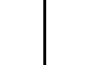
4805 (3/11)

PART NUMBER	ROWS		POWER						SIGNAL		POWER						
			P1	P2	P3	P4	P5	P6	1	2	P7	P8	P9	P10	P11	P12	
6450820-4	D C B A		VM	VM	VM	VM	VM	VM	EV	EV	VM	VM	VM	VM	VM	VM	HD
									EV	EV							
									EV	EV							
									EV	EV							
6P + 8S + 6P																	

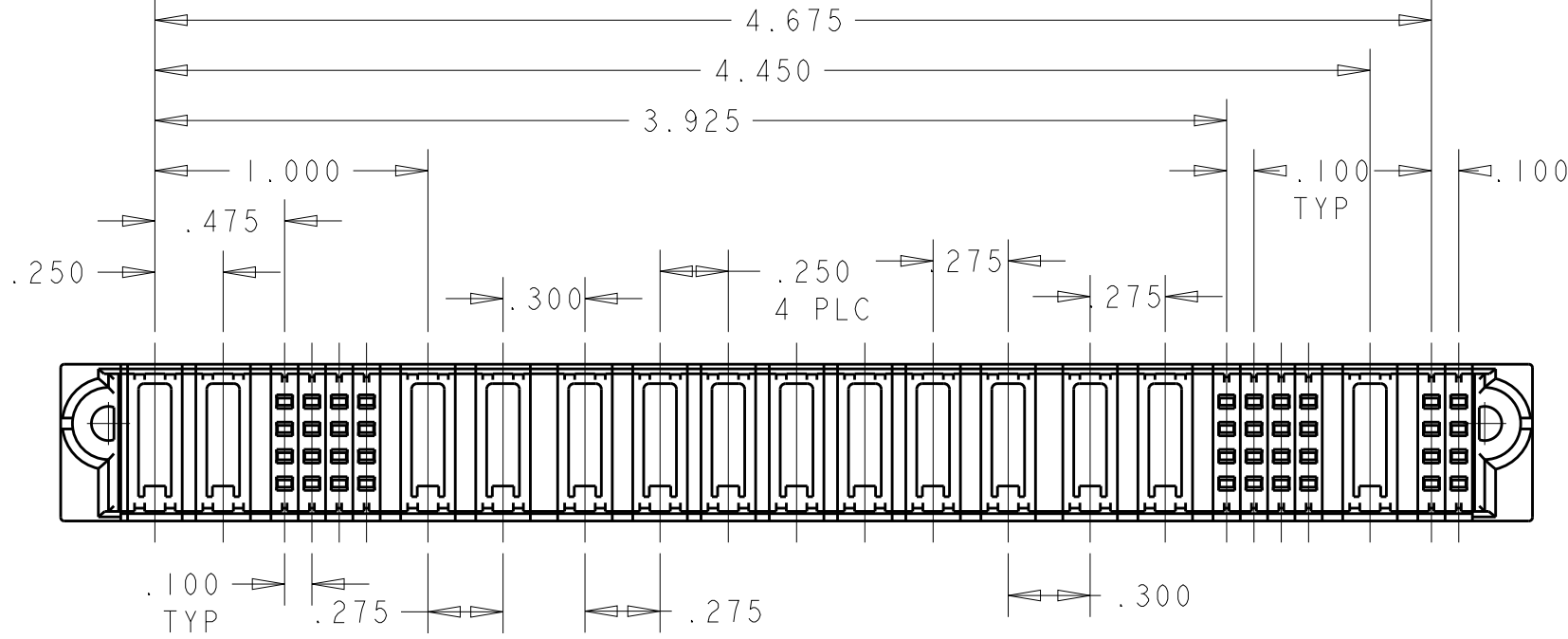
4805 (3/11)

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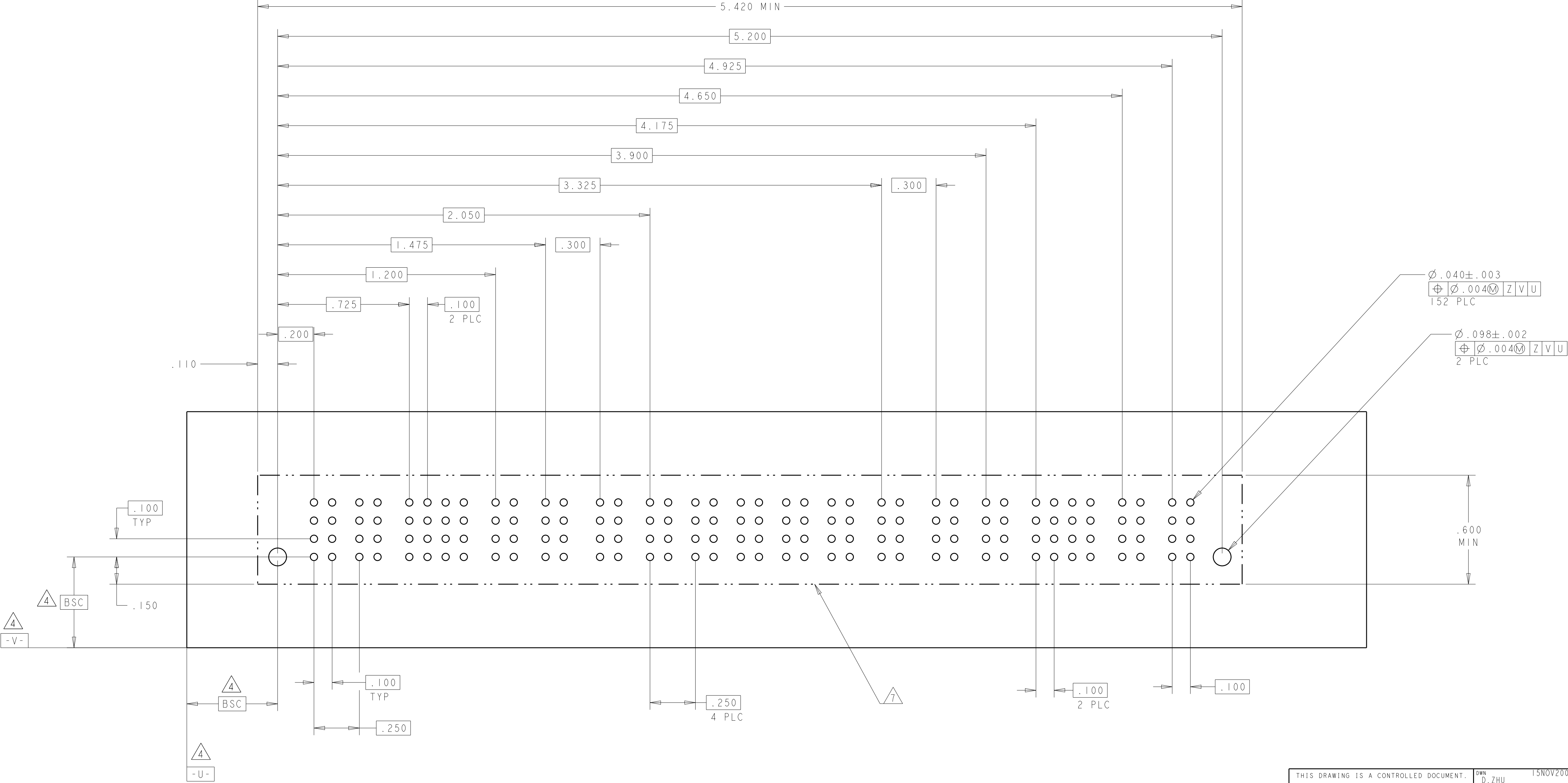
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER		SIGNAL				POWER													SIGNAL				POWER	SIGNAL		
			P1	P2	1	2	3	4	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	5	6	7	8	P14	9	10			
6450820-6	D C B A		VM		EV	EV	EV	EV		VM	VM		VM	EV	VM		VM	VM		EV	EV	EV	EV		EV	ES			
					EV	EV	EV	EV												EV	EV	EV	EV		EV	EV			
					EV	EV	EV	EV												EV	EV	EV	EV		EV	EV			
					EV	EV	EV	EV												EV	EV	EV	EV		EV	EV			
					ES	EV	EV	EV												EV	EV	EV	EV		EV	EV			
2P+16S+1P+2ACP+5P+2ACP+1P+16S+1P+8S																													

NO CONTACTS LOADED

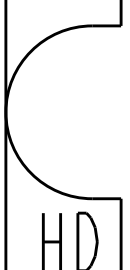
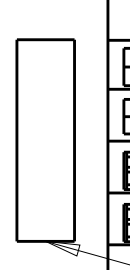
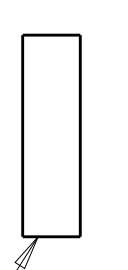
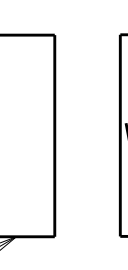
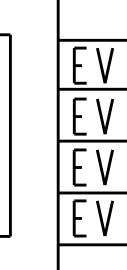
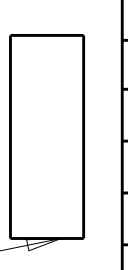
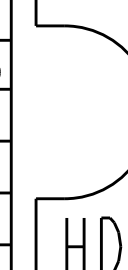


SCALE 3:2
6450820-6



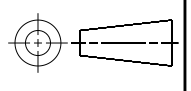
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. ZHU	15NOV2007	TE Connectivity	
		CHK S. ZHAO	15NOV2007		
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE	
		0 PLC ±.01		PRODUCT SPEC	
		1 PLC ±.01		108-2292	
		2 PLC ±.005		APPLICATION SPEC	
		3 PLC ±.002		114-13251	
		4 PLC ±.002		WEIGHT	
		ANGLES ±.2°		Customer Drawing	
		FINISH		SCALE	
MATERIAL				SHEET 9 OF 20	
				REV G8	

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

PART NUMBER	ROWS		POWER		SIGNAL				POWER													SIGNAL				POWER	SIGNAL																
			P1	P2	1	2	3	4	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	5	6	7	8	P14	9	10																	
6450820-7	D C B A		VM		EV	EV	EV	EV		VM	VM		VM		VM		VM	VM		EV	EV	EV	EV		EV	ES																	
					EV	EV	EV	EV												EV	EV	EV	EV		EV	EV		EV	EF														
					EF	EV	EV	EV												EV	EV	EV	EV		EV	EV		EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV
					ES	EV	EV	EV												EV	EV	EV	EV		EV	EV		EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV
2P+16S+1P+2ACP+5P+2ACP+1P+16S+1P+8S																																											

THE PCB LAYOUT IS THE SAME AS 6450820-6.
PLEASE SEE 6450820-6 FOR DETAIL DIM.

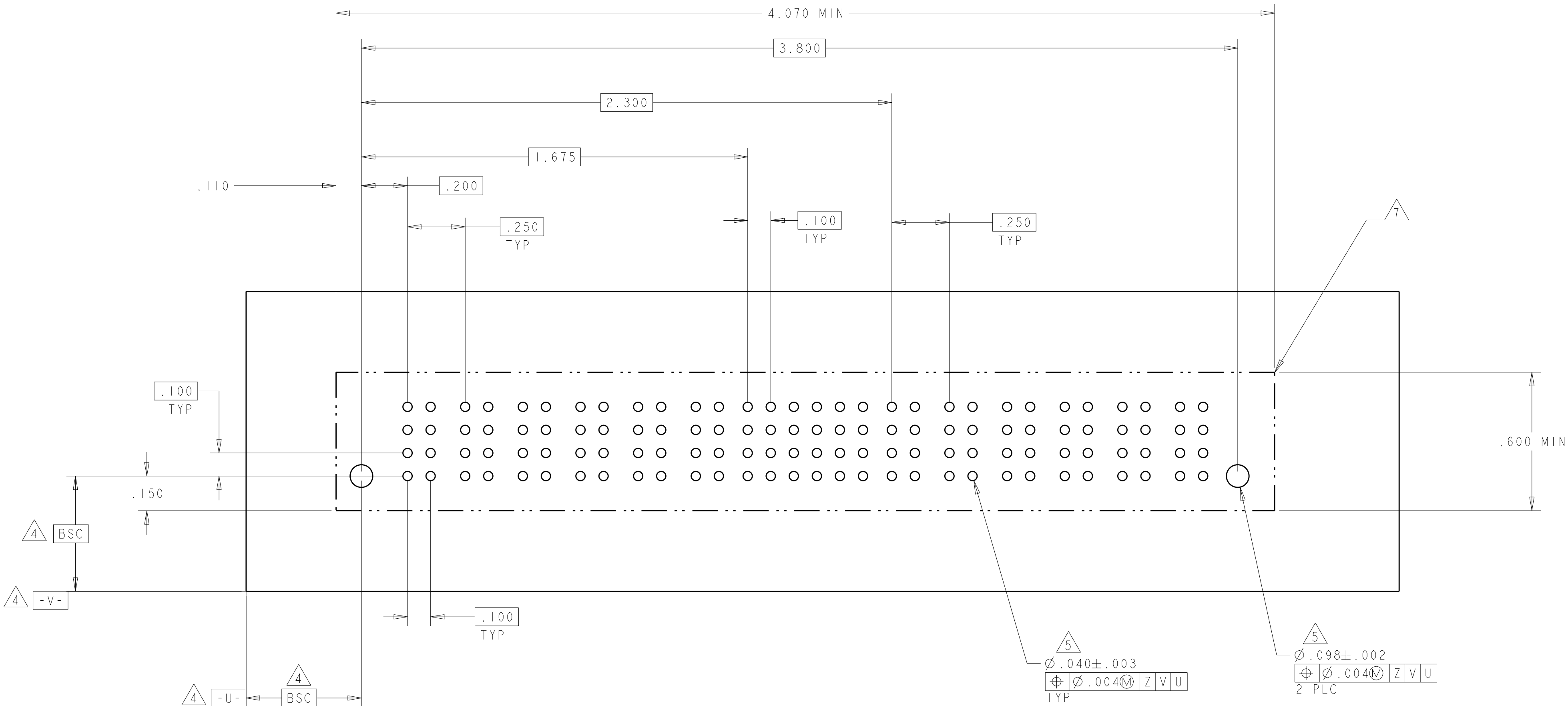
NO CONTACTS LOADED

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	D. ZHU	15NOV2007	 TE Connectivity	
		CHK	S. ZHAO	15NOV2007		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	S. ZHAO	-
INCHES		0 PLC ±"		PRODUCT SPEC		
		1 PLC ±.01		108-2292		
		2 PLC ±.01		APPLICATION SPEC		
		3 PLC ±.005		114-13251		
		4 PLC ±.0020		WEIGHT		
MATERIAL		FINISH		Customer Drawing		
				SCALE		
				SHEET 10 OF 20		
				REV G8		

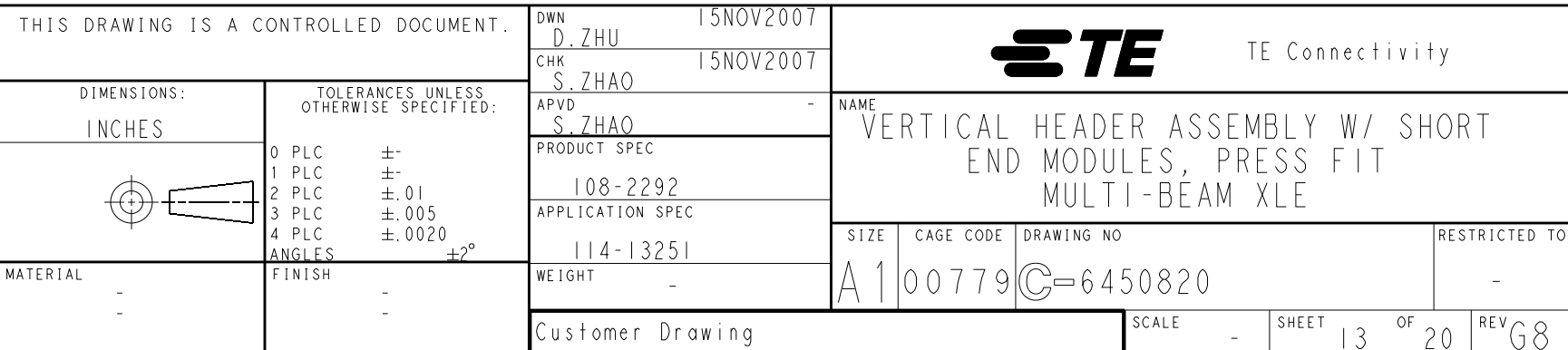
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LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

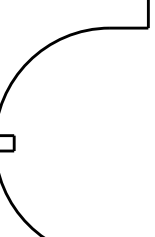
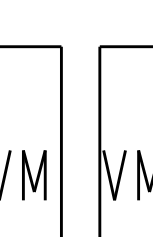
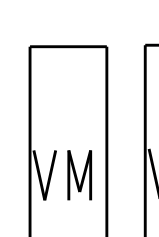
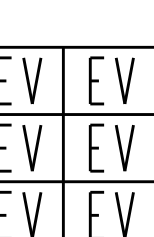
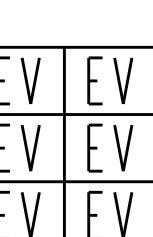
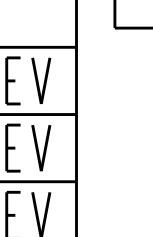
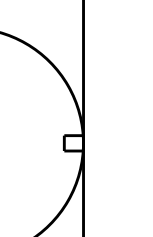
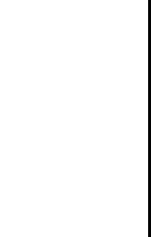
PART NUMBER	ROWS		POWER						SIGNAL						POWER						
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	P7	P8	P9	P10	P11	P12	
I-6450820-1	D C B A		VM	VM	VM	VM	VM	VM	EV	EV	EV	EV	EV	EV	VM	VM	VM	VM	VM	VM	
									EV	EV	EV	EV	EV	EV							
									EV	EV	EV	EV	EV	EV							
									ES	EV	EV	EV	EV	EV							
6P + 24S + 6P																					

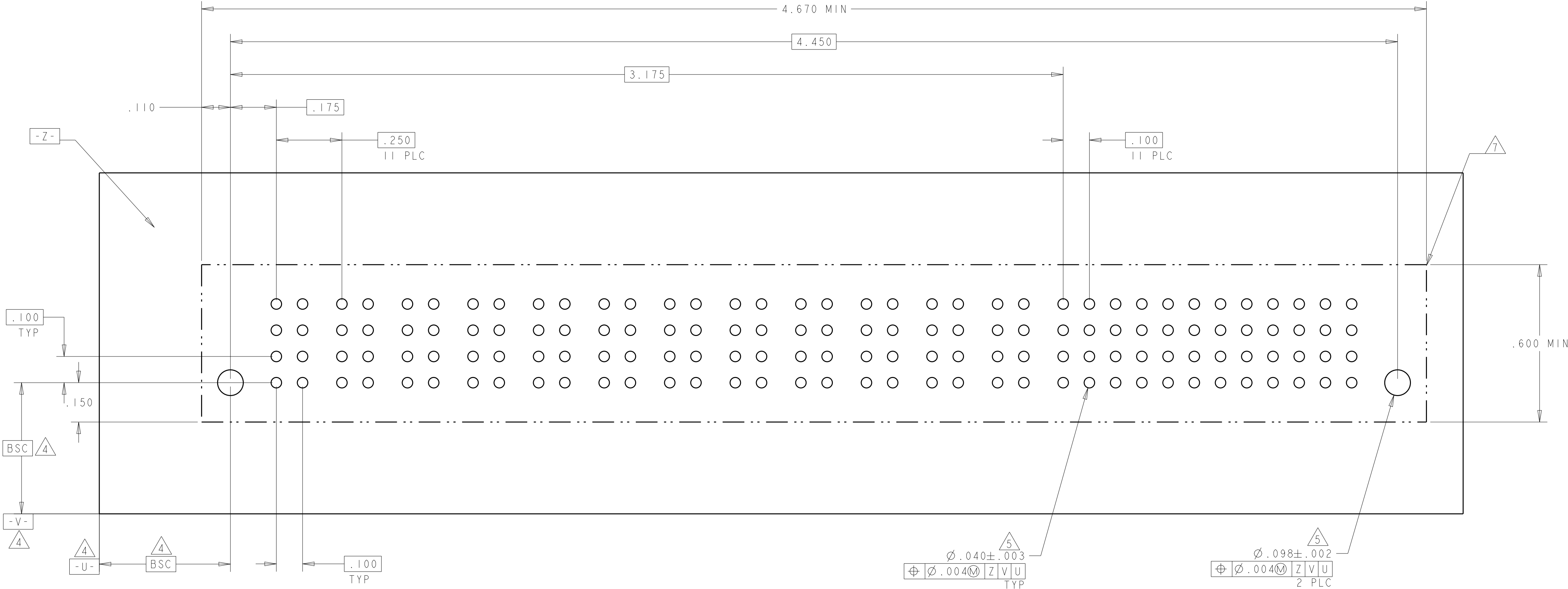


THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	D. ZHU	15NOV2007	 TE Connectivity										
				CHK	S. ZHAO	15NOV2007											
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:			APVD	S. ZHAO	-	NAME	VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE								
INCHES					PRODUCT SPEC	108-2292											
		0 PLC	±"	APPLICATION SPEC		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO								
		1 PLC	±.01	114-13251		A1	00779	©=6450820									
MATERIAL		FINISH	-	WEIGHT	-	Customer Drawing				SCALE	-	SHEET	12	OF	20	REV	G8

[illegible]

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	P9	P10	P11	P12	1	2	3	4	5	6	7	8	9	10	11	12																																																																															
I-6450820-7	D C B A																																																																																																								



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DWN
D. ZHU
CHK
S. ZHAO
APVD
S. ZHAO

15NOV2007
15NOV2007
-

DIMENSIONS:
INCHES

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

MATERIAL
-

Customer Drawing

NAME
VERTICAL HEADER ASSEMBLY W/ SHORT
END MODULES, PRESS FIT
MULTI-BEAM XLE

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=6450820

RESTRICTED TO
-

SCALE
-

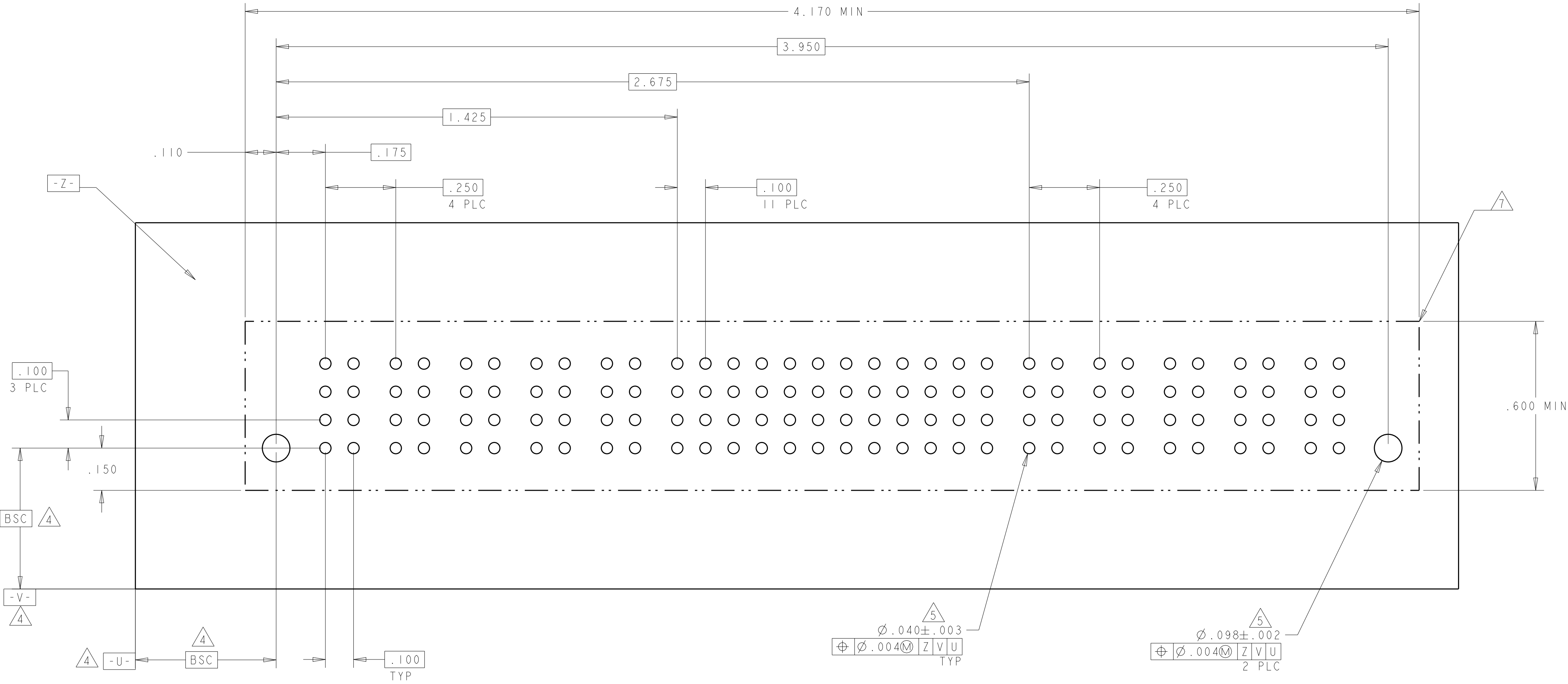
SHEET
14

OF
20

REV
G8

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

PART NUMBER	ROWS		POWER					SIGNAL												POWER							
			P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	9	10	11	12	P6	P7	P8	P9	P10			
1-6450820-8	D C B A		VM	VM	VM	VM	VM	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	VM	VM	VM	VM	VM			
								EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV							EV	EV
								EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV							EV	EV
								EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV							EV	EV
5P + 48S + 5P																											



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DWN
D. ZHU
CHK
S. ZHAO
APVD
S. ZHAO

15NOV2007
15NOV2007
-

DIMENSIONS:
INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±"
1 PLC ±.01
2 PLC ±.01
3 PLC ±.005
4 PLC ±.0020
ANGLES #2°
FINISH -

MATERIAL
-

Customer Drawing

NAME
VERTICAL HEADER ASSEMBLY W/ SHORT
END MODULES, PRESS FIT
MULTI-BEAM XLE

SIZE
A1

CAGE CODE
100779

DRAWING NO
6450820

RESTRICTED TO
-

SCALE
-

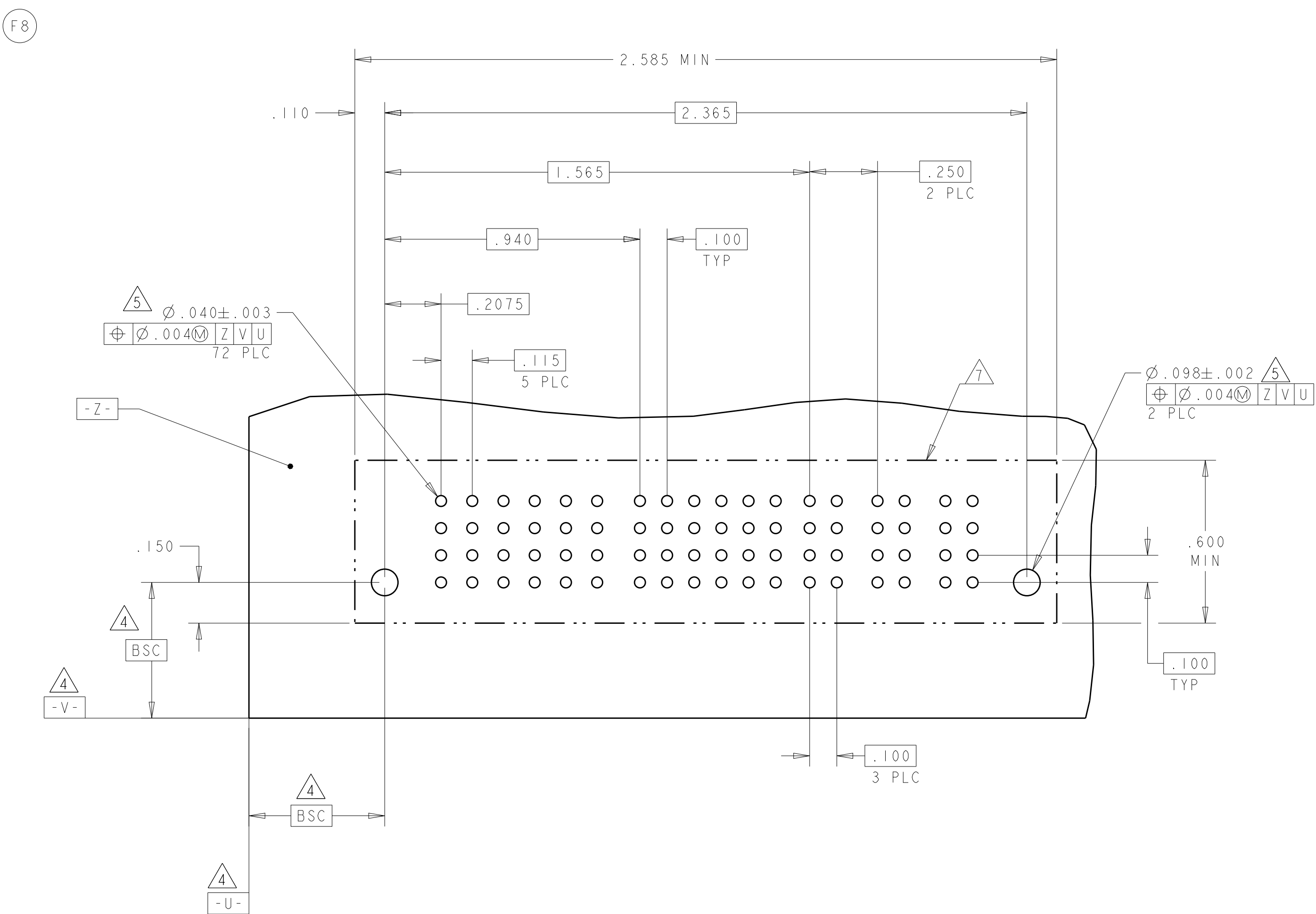
SHEET
15

OF
20

REV
G8

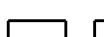
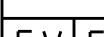
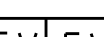
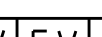
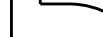
[illegible]4805 (3/11)

PART NUMBER	ROWS		LOW POWER						SIGNAL						POWER			
			LP1	LP2	LP3	LP4	LP5	LP6	1	2	3	4	5	6	P1	P2	P3	
2-6450820-1	D C B A							EV	EV	EV	EV	EV	EV					
								EV	EV	EV	EV	EV	EV					
								EV	EV	ES	EV	EV	EV					
								EV	EV	EV	EV	EV	EV					
6LP + 24S + 3P																		

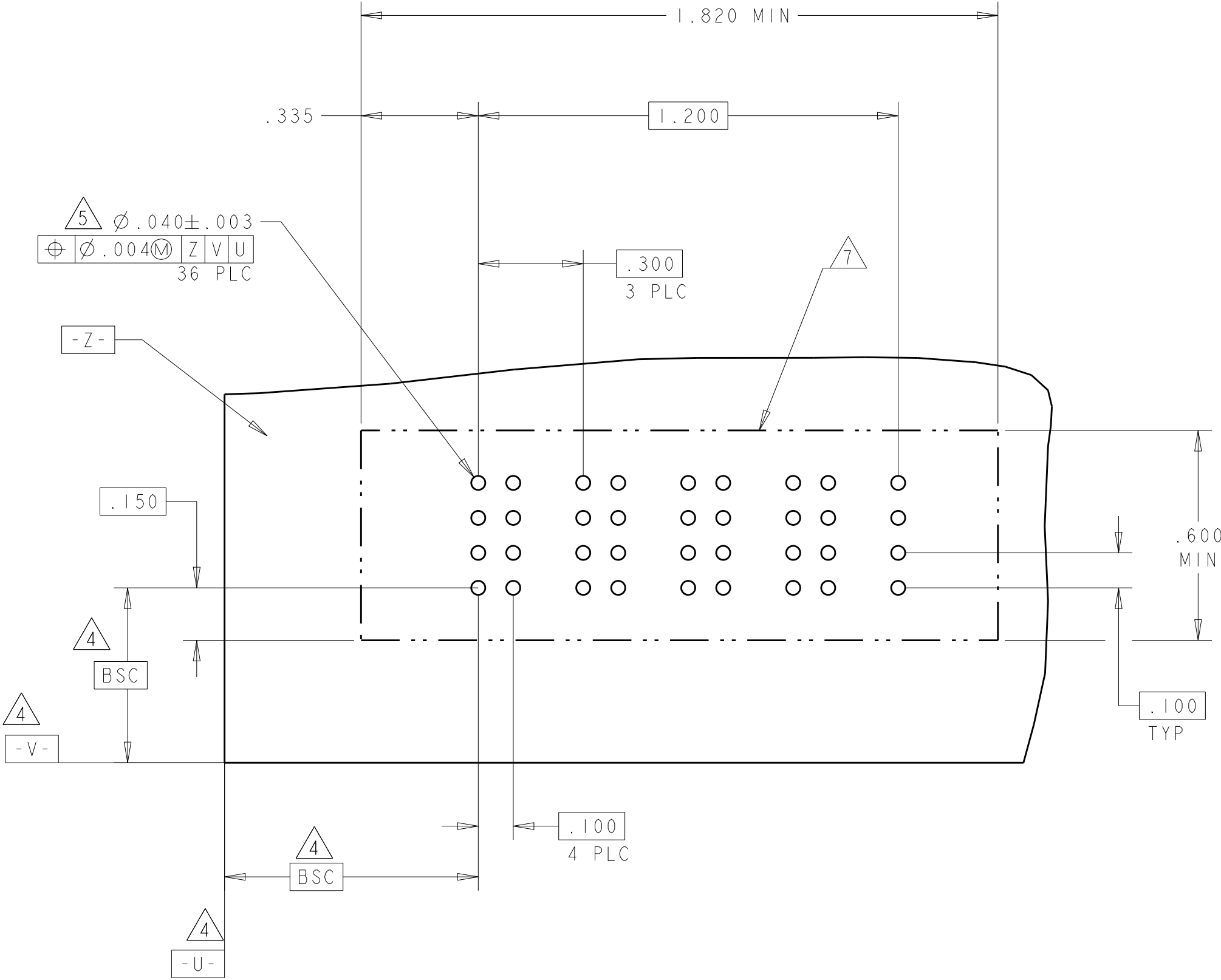
4805 (3/11)

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

PART NUMBER	ROWS		POWER				SIGNAL	
			P1	P2	P3	P4	I	
2-6450820-2	D C B A						EV	
							EV	
							EV	
							EV	
			4ACP + 4S					

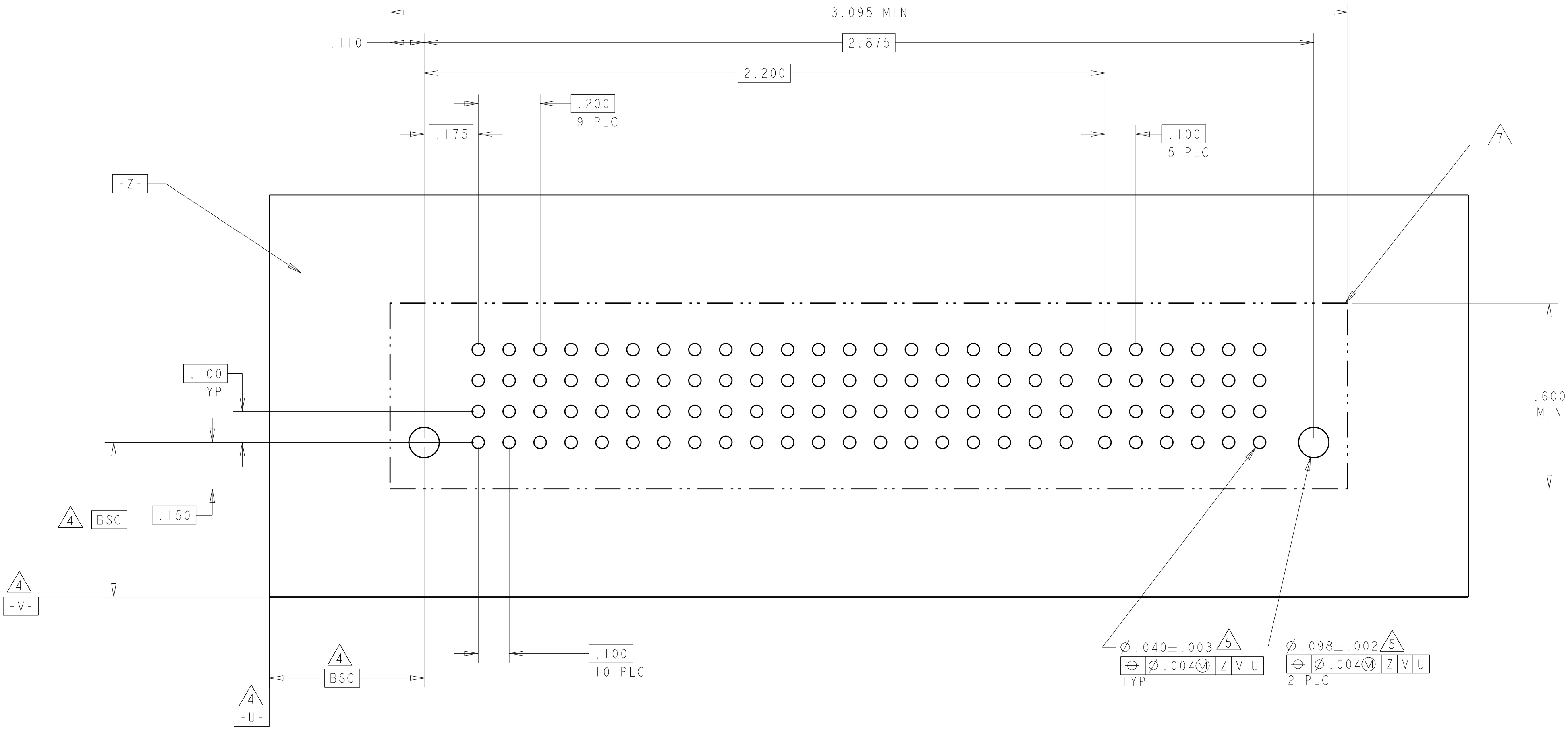
PART NUMBER	ROWS		POWER								SIGNAL																		POWER																				
			P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	P9	P10	P11	P12	P13	P14	P15	P16													
6450820-9	D C B A									EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV										
										EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV			
										EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV
										EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV
8P + 72S + 8P																																																	

THE PCB LAYOUT IS THE SAME AS 6450820-8.



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	P9	P10	1	2	3	4	5	6						
2-6450820-3	D C B A	HD	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM						
																			EV	EV	EV	EV	EV	EV
																			EV	EV	EV	EV	EV	EV
																			EV	EV	EV	EV	EV	EV
																			EV	EV	EV	EV	EV	EV
10HDP + 24S																								



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D. ZHU

15NOV2007

CHK

S. ZHAO

15NOV2007

APVD

S. ZHAO

-

DIMENSIONS:

INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC

±

1 PLC

±

.01

2 PLC

±

.01

3 PLC

±

.005

4 PLC

±

.0020

ANGLES

±

2°

FINISH

-

MATERIAL

-

Customer Drawing

DWN

D. ZHU

15NOV2007

CHK

S. ZHAO

15NOV2007

APVD

S. ZHAO

-

NAME

VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE

A1

CAGE CODE

00779

DRAWING NO

6450820

RESTRICTED TO

-

SCALE

-

SHEET

19

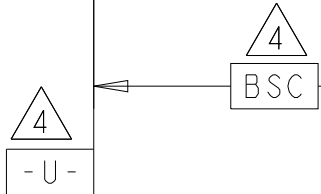
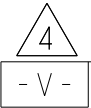
OF

20

REV

G8

68

4805 (3/11)