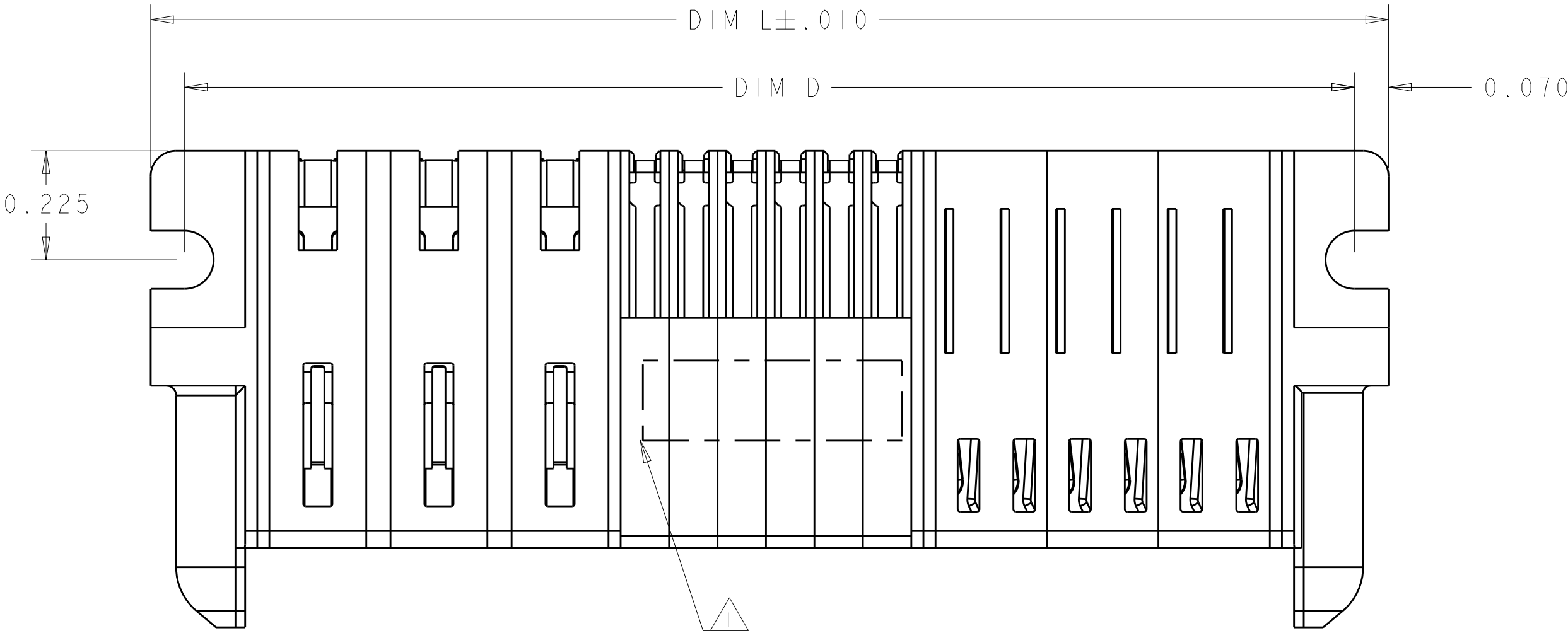
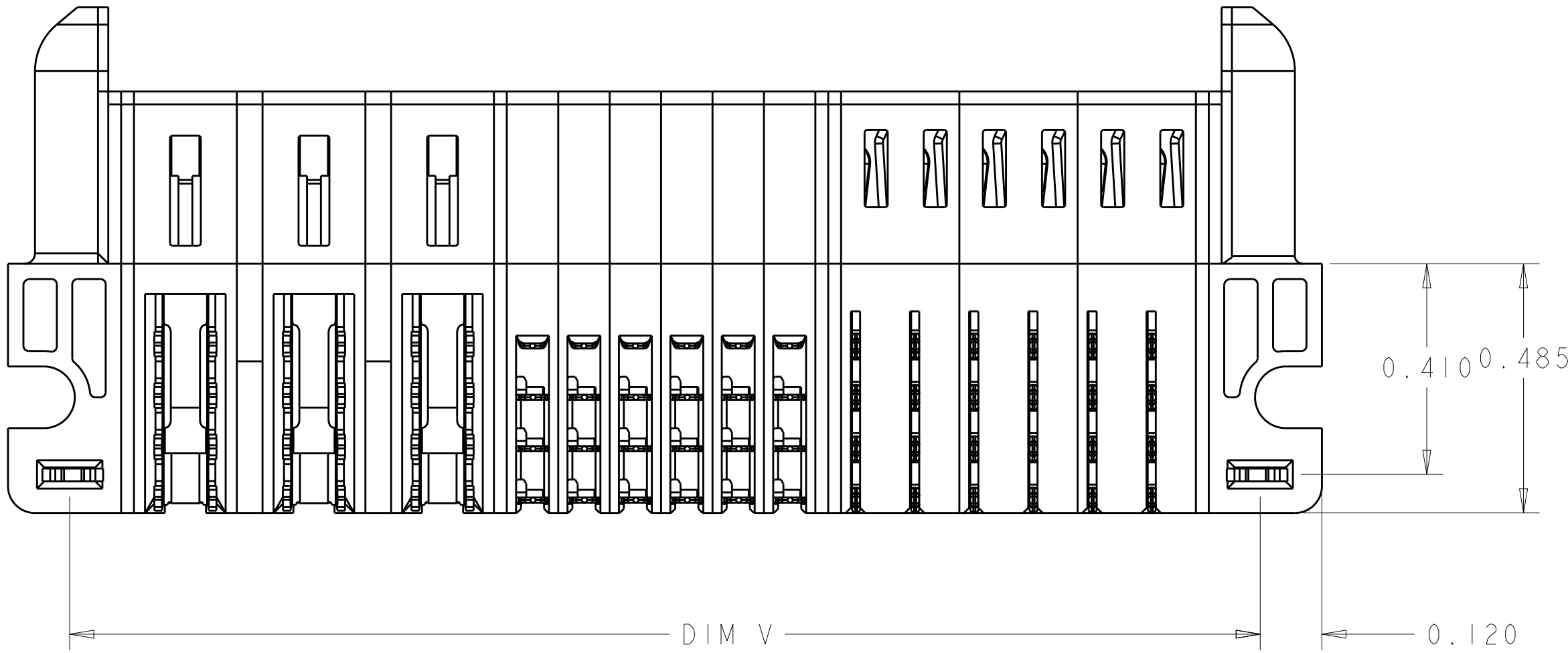
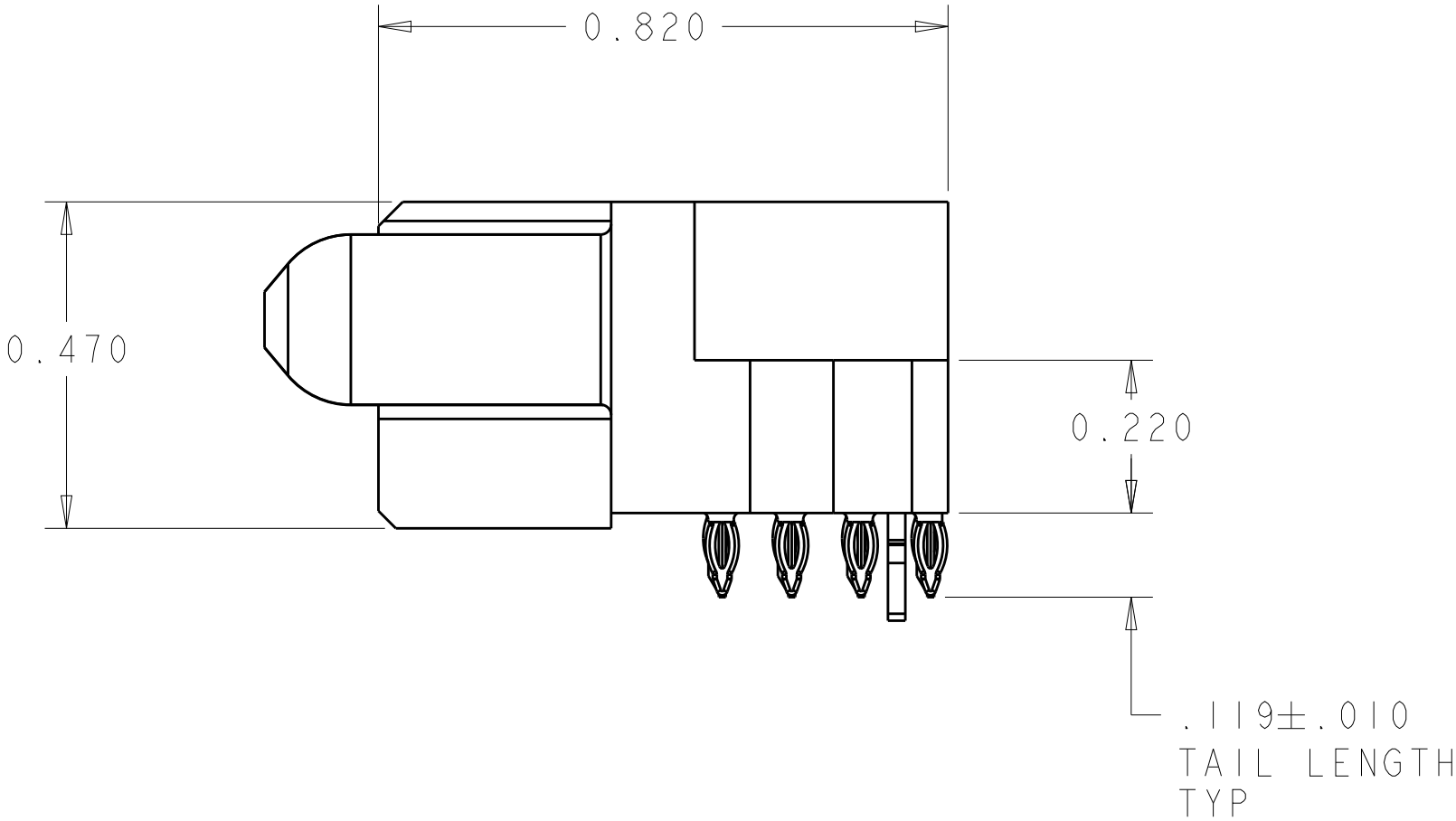
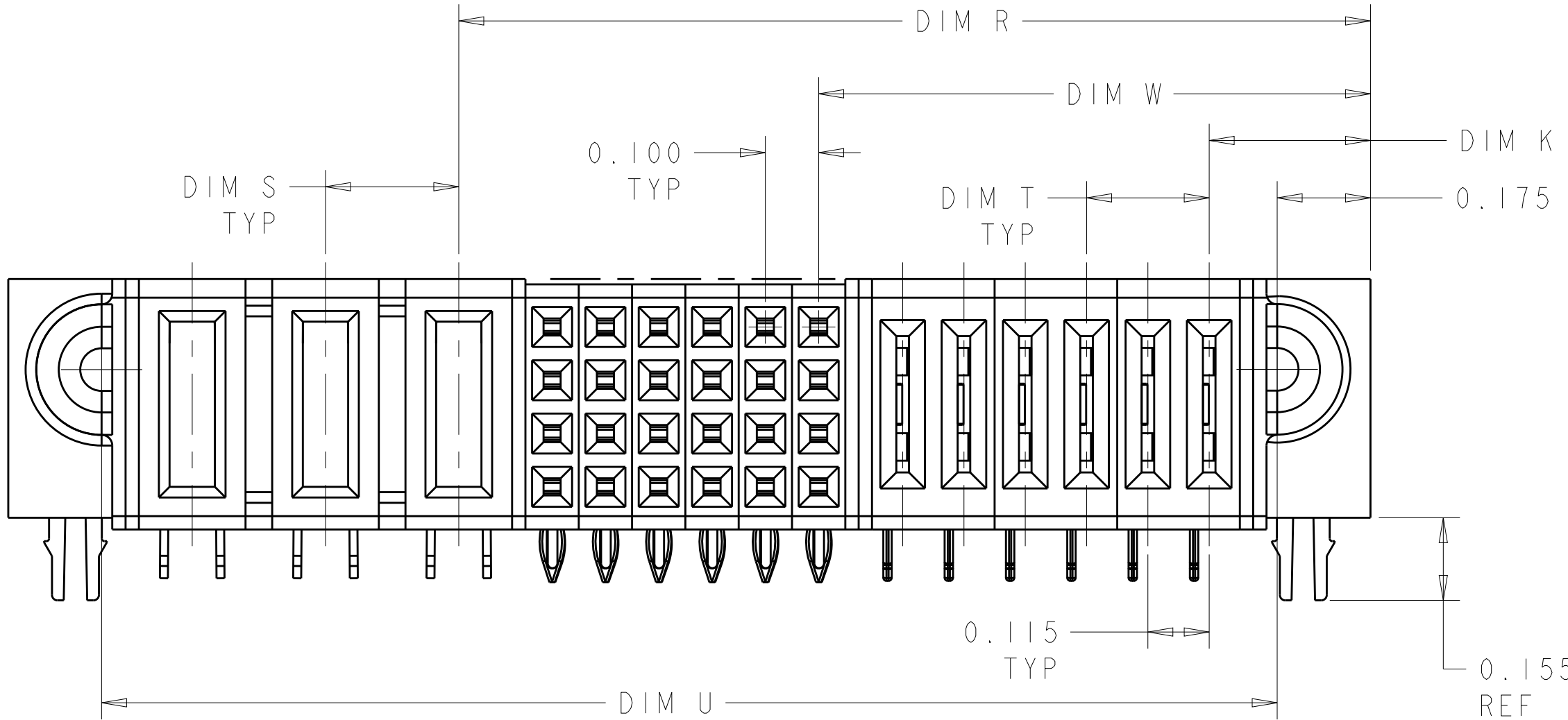


LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00		F5	REMOVED 2-8			



- ⚠ "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN
PARTS UNDER 2.000 MAY BE MARKED ON BOTH SIDES.
- ⚠ MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-O
SIGNAL CONTACT - COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- ⚠ CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA
OF POWER AND SIGNAL CONTACTS
- ⚠ MECHANICAL CONNECTOR KEEP OUT ZONE
- ⚠ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
- ⚠ PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES
- ⚠ PCB - .0453 ±.0010 DRILLED HOLE PLATED WITH .0003 MIN Sn
OVER .001-.003 PLATING TO ACHIEVE A .040 HOLE
- ⚠ FOR P/S/P, P/S/LP CONFIGURATION, PLEASE REFER TO SHEET 2
- ⚠ CONTACTS LUBRICATED WITH HMI5 AFTER PLATING.



.240	.165	1.980	2.080	1.870	2.220	1.4225	.990	.2775	3LP + 16S + 4LP 	2-6450880-7
.250	.250	1.750	1.850	1.640	1.990	1.345	.845	.395	2P + 16S + 2P 	2-6450880-6
.230	.250	-	5.595	5.385	5.735	4.6025 	3.345	.370 	12P + 48S + 12LP	2-6450880-3
-	-	.880	.980	.770	1.120	.8425	.435	.2775 	1LP + 16S + 1LP	2-6450880-0
.200 	.200	2.350	2.450	2.240	2.590	1.670	1.095	.320 	4HDP + 20S + 4HDP	1-6450880-9
.250 	.250	3.900	4.000	3.790	4.140	2.820	1.520	.320 	5P + 48S + 5P	1-6450880-8
.250	.250	3.300	3.400	3.190	3.540	2.195	1.520	.345	5P + 24S + 5P	1-6450880-7
.250	.250	1.750	1.850	1.640	1.990	1.370	.845	.370	2P + 16S + 2P 	1-6450880-5
.250	.250	6.000	6.100	5.890	6.240	4.145	2.270	.345	8P + 72S + 8P 	1-6450880-1
-	-	.600	.700	.490	.840	-	.270	-	16S	1-6450880-0
.230 	.250 	5.495	5.595	5.385	5.735	4.6025 	3.345	.370 	12P+ 48S+ 8LP  	6450880-8
.250	.250	4.400	4.500	4.290	4.640	2.545	2.270	.345	8P + 8S + 8P	6450880-7
.230	-	1.190	1.290	1.080	1.430	-	1.060	.3775	6LP + 8S	6450880-6
-	-	1.475	1.575	1.365	1.715	1.320	.595	.370 	1P + 24S + 1P	6450880-5
.230 	.250 	-	5.595	5.385	5.735	4.6025 	3.345	.370 	12P+ 48S+ 8LP	6450880-4
.300 	.200	5.150	5.250	5.040	5.390	2.845	1.520	.370 	4ACP + 48S + 12HDP	6450880-3
.230	.250	2.315	2.415	2.205	2.555	1.710	1.035	.3025	6LP + 24S + 3P	6450880-1
DIM T	DIM S	DIM V	DIM D	DIM U	DIM L	DIM R	DIM W	DIM K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL
: ⚠2

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.1
1 PLC ±.01
2 PLC ±.005
3 PLC ±.002
4 PLC ±.002
ANGLES ±.2°
FINISH -

DWN S.ZHAO 25MAY2007
CHK S.ZHAO 25MAY2007
APVD S.ZHAO 25MAY2007

PRODUCT SPEC
108-2292
APPLICATION SPEC
114-13251

WEIGHT -

CUSTOMER DRAWING

NAME
RIGHT ANGLE RECEPTACLE WITH LP CONTACT AND SHORT END MODULES MULTI-BEAM XLE

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=6450880

RESTRICTED TO
-

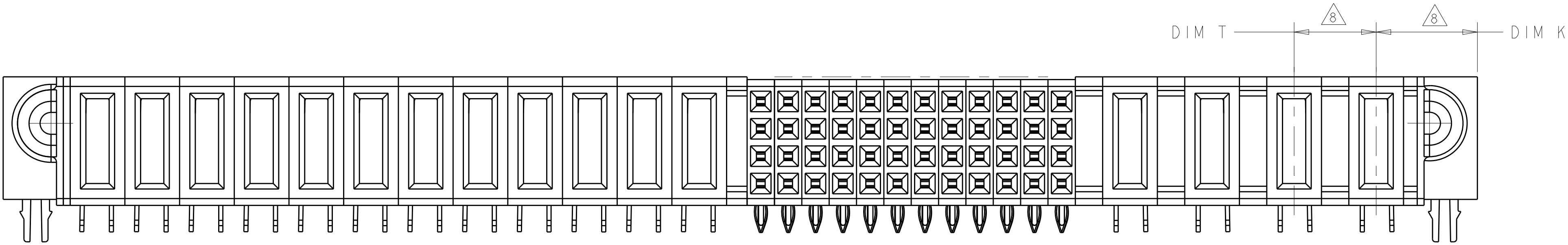
SCALE
4:1

SHEET
1

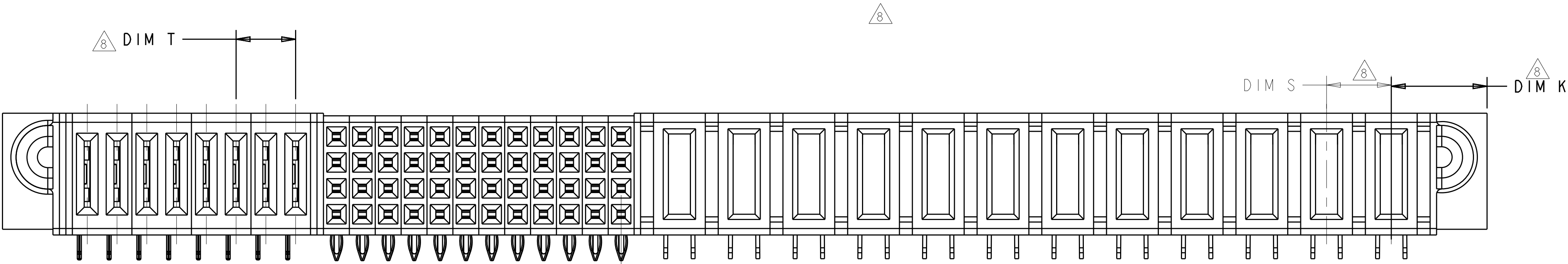
OF
13

REV
F5

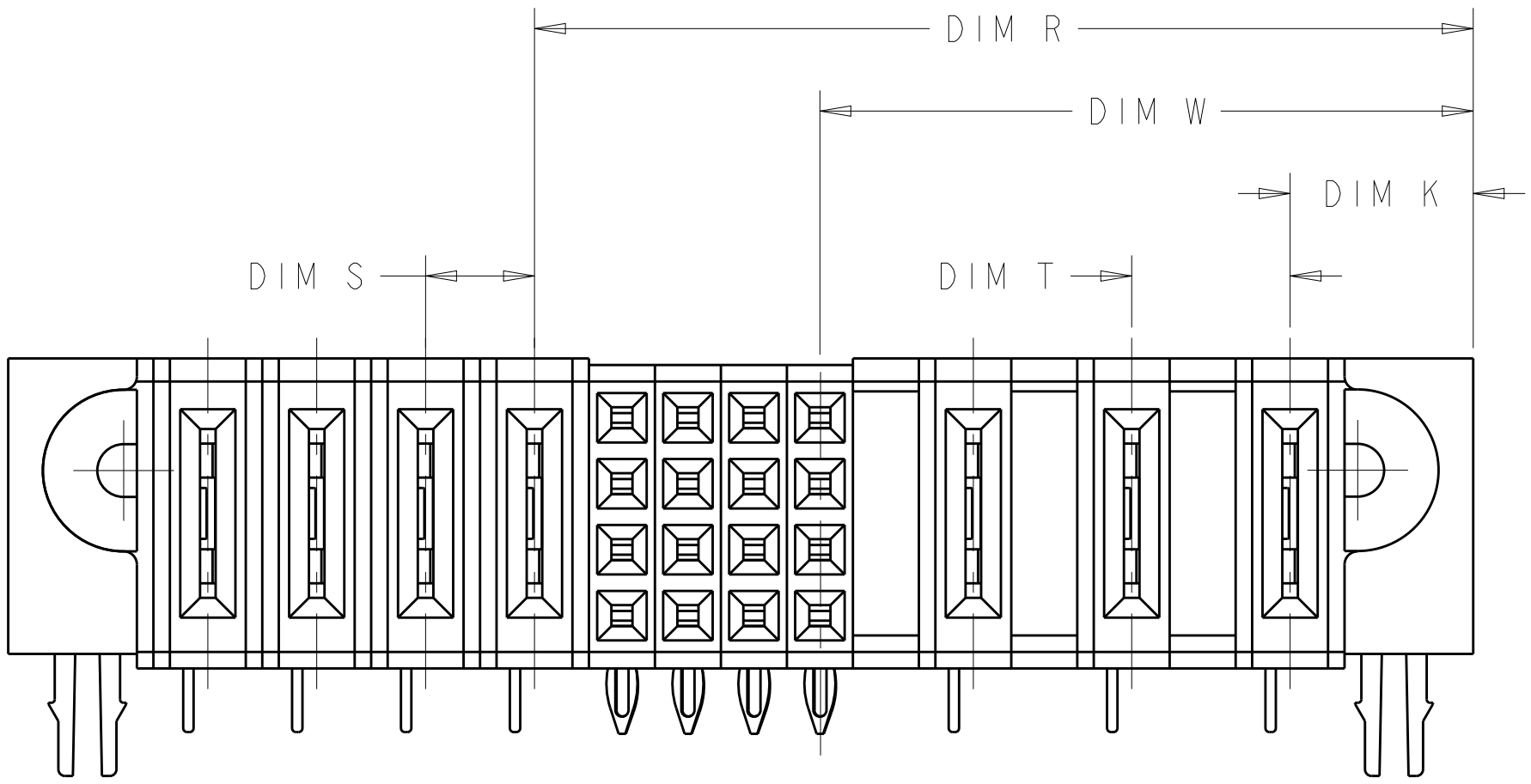
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-



PART NUMBER 6450880-3
UNSPECIFIED DIM REFER TO SHEET 1
SCALE 7:2



PART NUMBER 6450880-4,2-6450880-3
UNSPECIFIED DIM REFER TO SHEET 1
SCALE 7:2

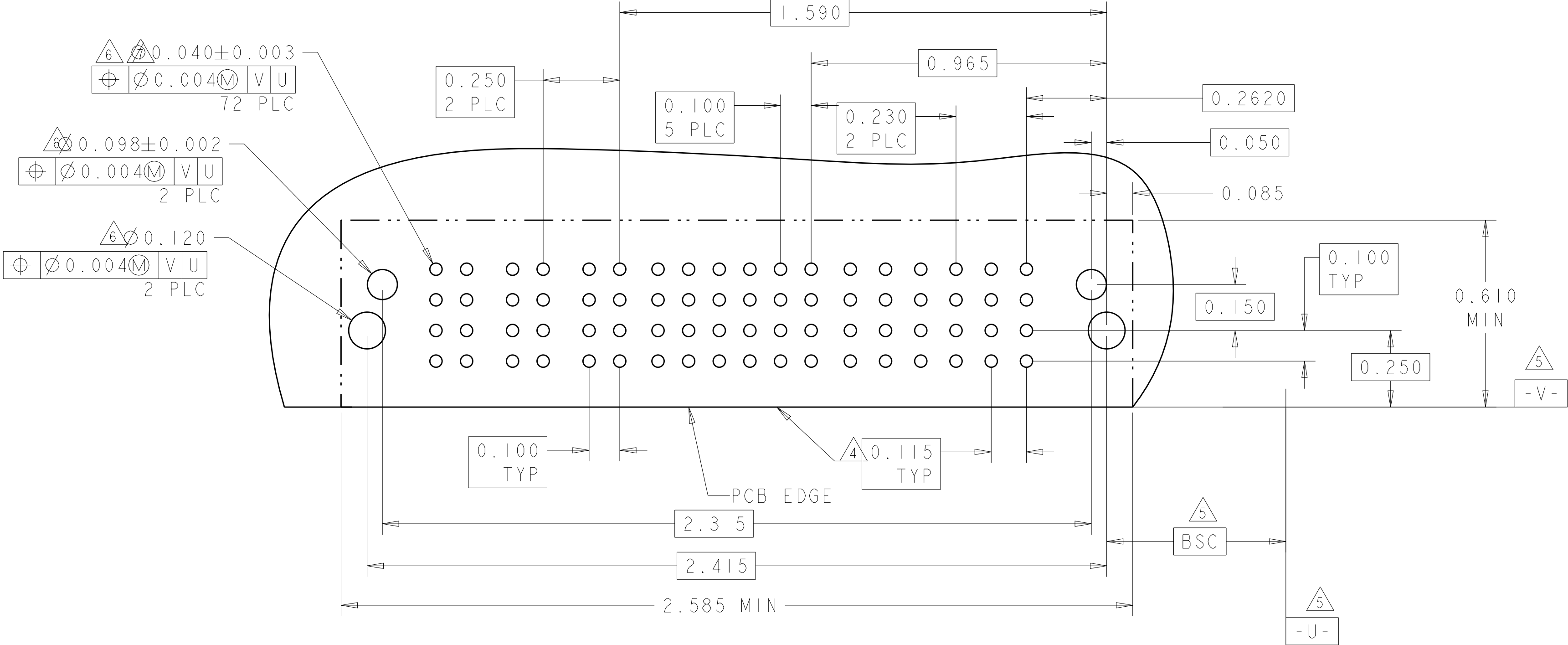


PART NUMBER 2-6450880-0,2-6450880-7
UNSPECIFIED DIM REFER TO SHEET 1
FOR CONFIGURATION LP/S/LP

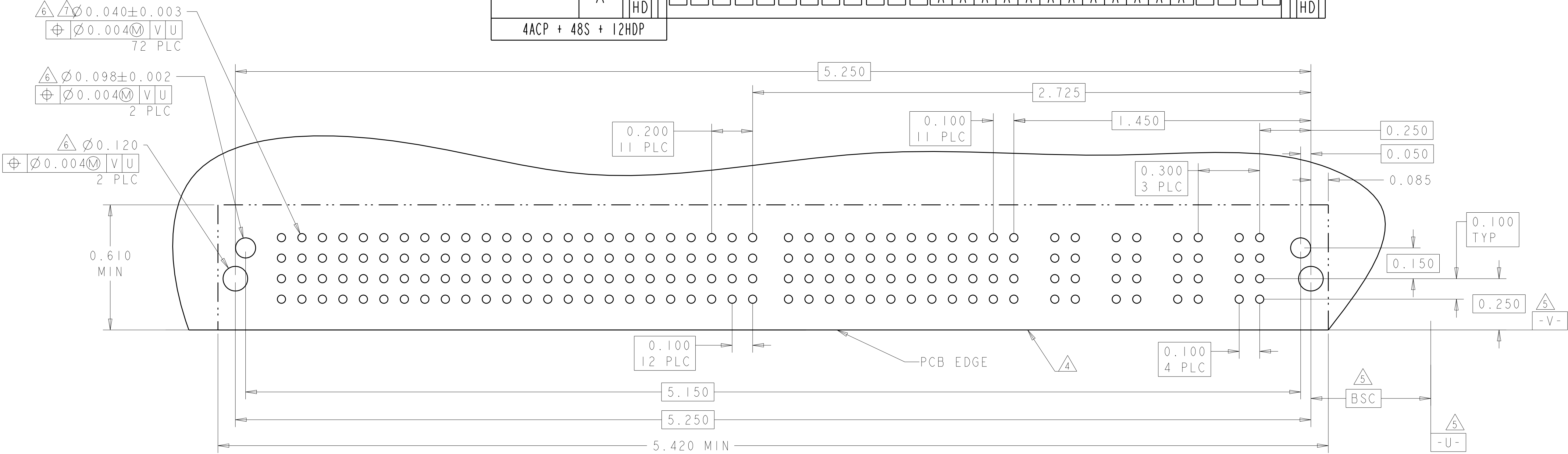
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	S.ZHAO	25MAY2007	TE Connectivity	
		CHK	S.ZHAO	25MAY2007		
		APVD	S.ZHAO	25MAY2007		
		NAME	S.ZHAO	25MAY2007		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	RIGHT ANGLE RECEPTACLE WITH LP CONTACT AND SHORT END MODULES MULTI-BEAM XLE	
INCHES				108-2292		
				APPLICATION SPEC		
				114-13251		
				WEIGHT	A100779C=6450880	
MATERIAL				CUSTOMER DRAWING	SCALE 4:1 SHEET 2 OF 13 REV F5	

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

PART NUMBER	ROWS		POWER			SIGNAL						POWER						
			P3	P2	P1	6	5	4	3	2	1	LP6	LP5	LP4	LP3	LP2	LP1	
6450880-1	D C B A		RP	RS	RS	D	D	D	D	D	D	LS	LS	LS	LS	LS	LS	
						C	C	C	C	C	C							
						B	B	B	B	B	B							
						A	A	A	A	A	A							
6LP + 24S + 3P																		



PART NUMBER	ROWS		POWER													SIGNAL													POWER						
			P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	12	11	10	9	8	7	6	5	4	3	2	1	P4	P3	P2	P1					
6450880-3	D C B A		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	D	D	D	D	D	D	D	D	D	D	D	D	D	D	RS	RS	RS	RS		
																C	C	C	C	C	C	C	C	C	C	C	C	C	C					C	C
																B	B	B	B	B	B	B	B	B	B	B	B	B	B					B	B
																A	A	A	A	A	A	A	A	A	A	A	A	A	A					A	A
4ACP + 48S + 12HDP																																			



SIGNAL CONTACT ROW D	D
SIGNAL CONTACT ROW C	C
SIGNAL CONTACT ROW B	B
SIGNAL CONTACT ROW A	A
STD LP CONTACT	LS
MFBL POWER CONTACT	RP
STD POWER CONTACT	RS
DESCRIPTION	CODE

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

-

DWN S. ZHAO 25MAY2007
CHK S. ZHAO 25MAY2007
APVD S. ZHAO 25MAY2007

PRODUCT SPEC
108-2292
APPLICATION SPEC
114-13251

WEIGHT

CUSTOMER DRAWING

NAME
RIGHT ANGLE RECEPTACLE WITH LP CONTACT AND SHORT END MODULES MULTI-BEAM XLE

SIZE
A1

CAGE CODE
100779

DRAWING NO
6450880

RESTRICTED TO
-

SCALE
4:1

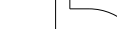
SHEET
3

OF
13

REV
F5

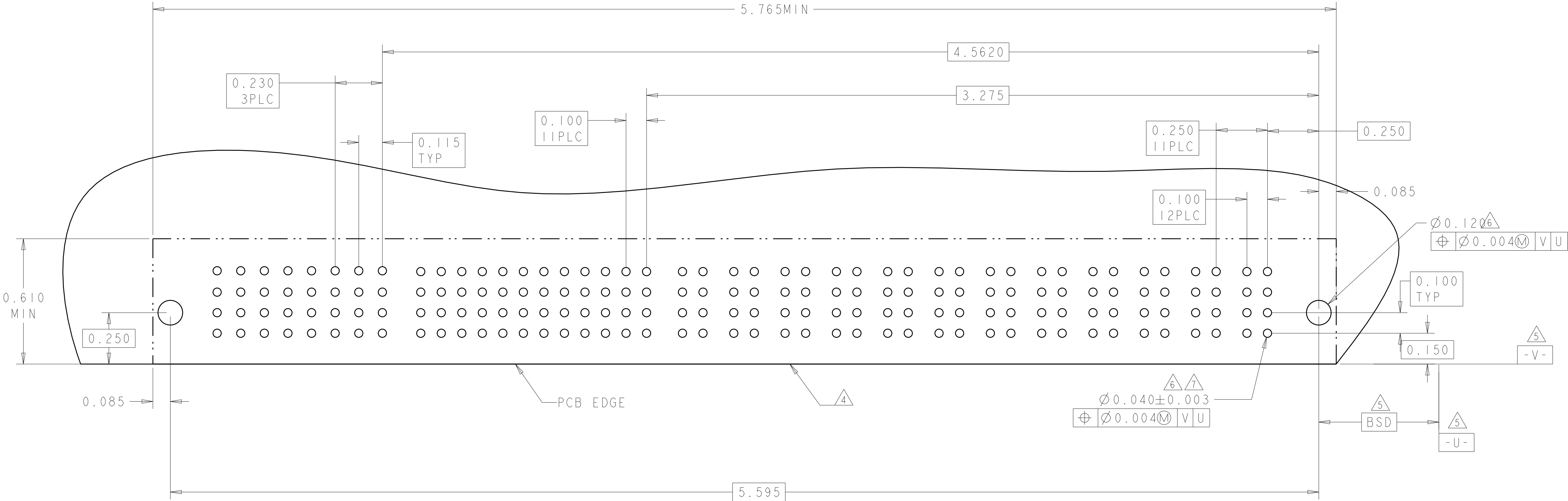
LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER								SIGNAL												POWER													
			LP8	LP7	LP6	LP5	LP4	LP3	LP2	LP1	I2	I1	I0	9	8	7	6	5	4	3	2	1	PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	P1		
6450880-4	D										D	D	D	D	D	D	D	D	D	D	D															
	C		LS	LS	LS	LS	LS	LS	LS	LS	C	C	C	C	C	C	C	C	C	C	C	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS			
	B										B	B	B	B	B	B	B	B	B	B	B															
	A										A	A	A	A	A	A	A	A	A	A	A	A														
12P + 48S + 8LP																																				

PART NUMBER	ROWS		POWER								SIGNAL												POWER																					
			LP8	LP7	LP6	LP5	LP4	LP3	LP2	LP1	I2	I1	I0	9	8	7	6	5	4	3	2	1	PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	P1										
6450880-8	D		LS	LS	LS	LS	LS	LS	LS	LS	D	D	D	D	D	D	D	D	D	D	D	D	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS									
	C										C	C	C	C	C	C	C	C	C	C	C	C															C	C	C	C	C	C	C	
	B										B	B	B	B	B	B	B	B	B	B	B	B															B	B	B	B	B	B	B	B
	A										A	A	A	A	A	A	A	A	A	A	A	A															A	A	A	A	A	A	A	A
12P + 48S + 8LP																																												

F

PART NUMBER	ROWS		POWER								SIGNAL												POWER																		
			LP8	LP7	LP6	LP5	LP4	LP3	LP2	LP1	I2	I1	I0	9	8	7	6	5	4	3	2	1	PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	P1							
2-6450880-3	D		LS	LS	LS	LS	LS	LS	LS	D	D	D	D	D	D	D	D	D	D	D	D	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS							
	C									C	C	C	C	C	C	C	C	C	C	C	C															C	C	C	C	C	
	B									B	B	B	B	B	B	B	B	B	B	B	B															B	B	B	B	B	B
	A									A	A	A	A	A	A	A	A	A	A	A	A															A	A	A	A	A	A
12P + 48S + 8LP																																									



PCB LAYOUT FOR P/N: 6450880-4 ; 6450880-8 AND 2-6450880-3

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN S.ZHAO 25MAY2007
CHK S.ZHAO 25MAY2007
APVD S.ZHAO 25MAY2007

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

MATERIAL -

CUSTOMER DRAWING

NAME RIGHT ANGLE RECEPTACLE WITH LP CONTACT AND SHORT END MODULES MULTI-BEAM XLE

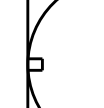
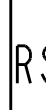
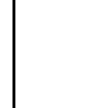
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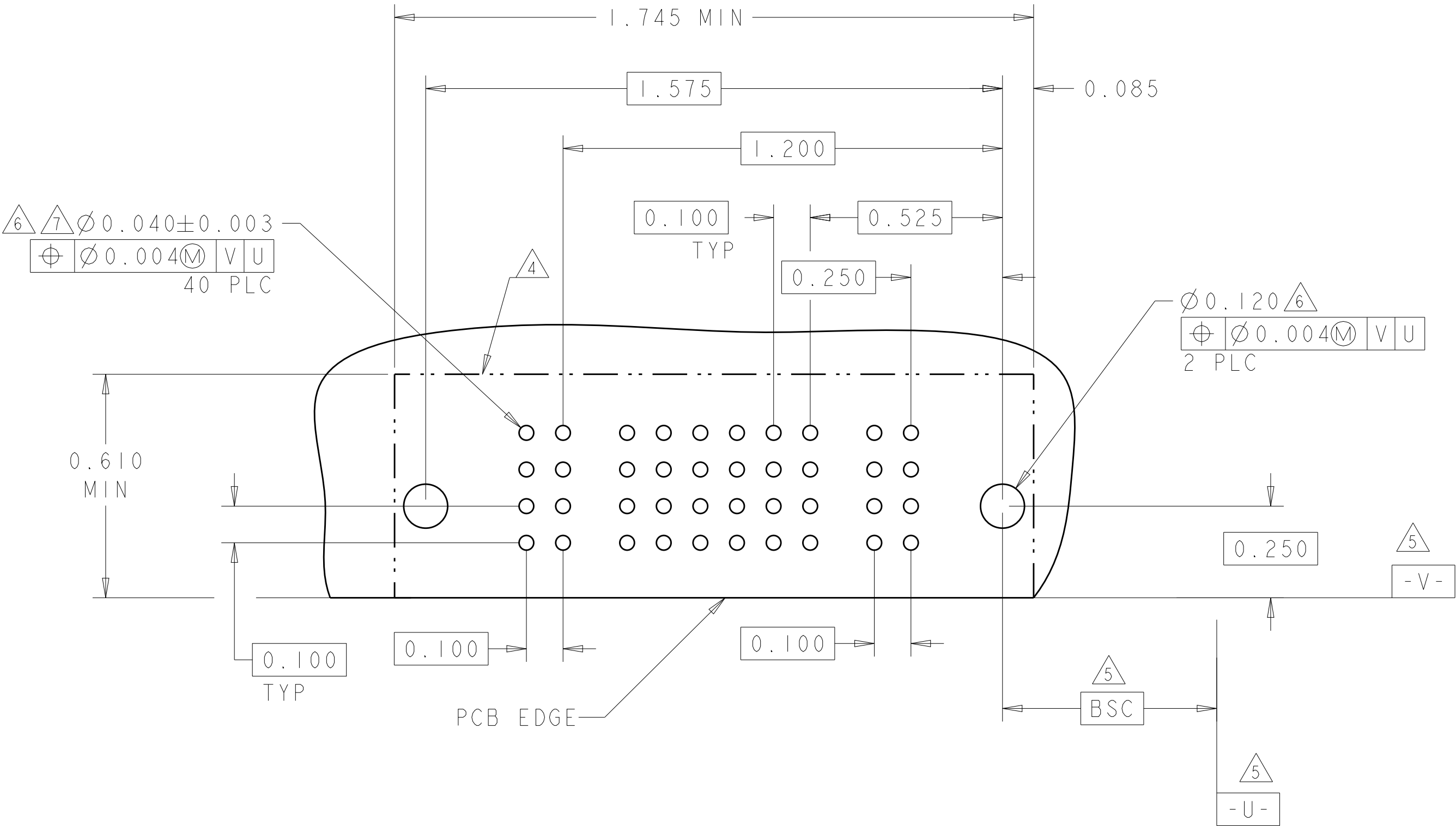
SCALE 4:1 SHEET 4 OF 13 REV F5

TE Connectivity

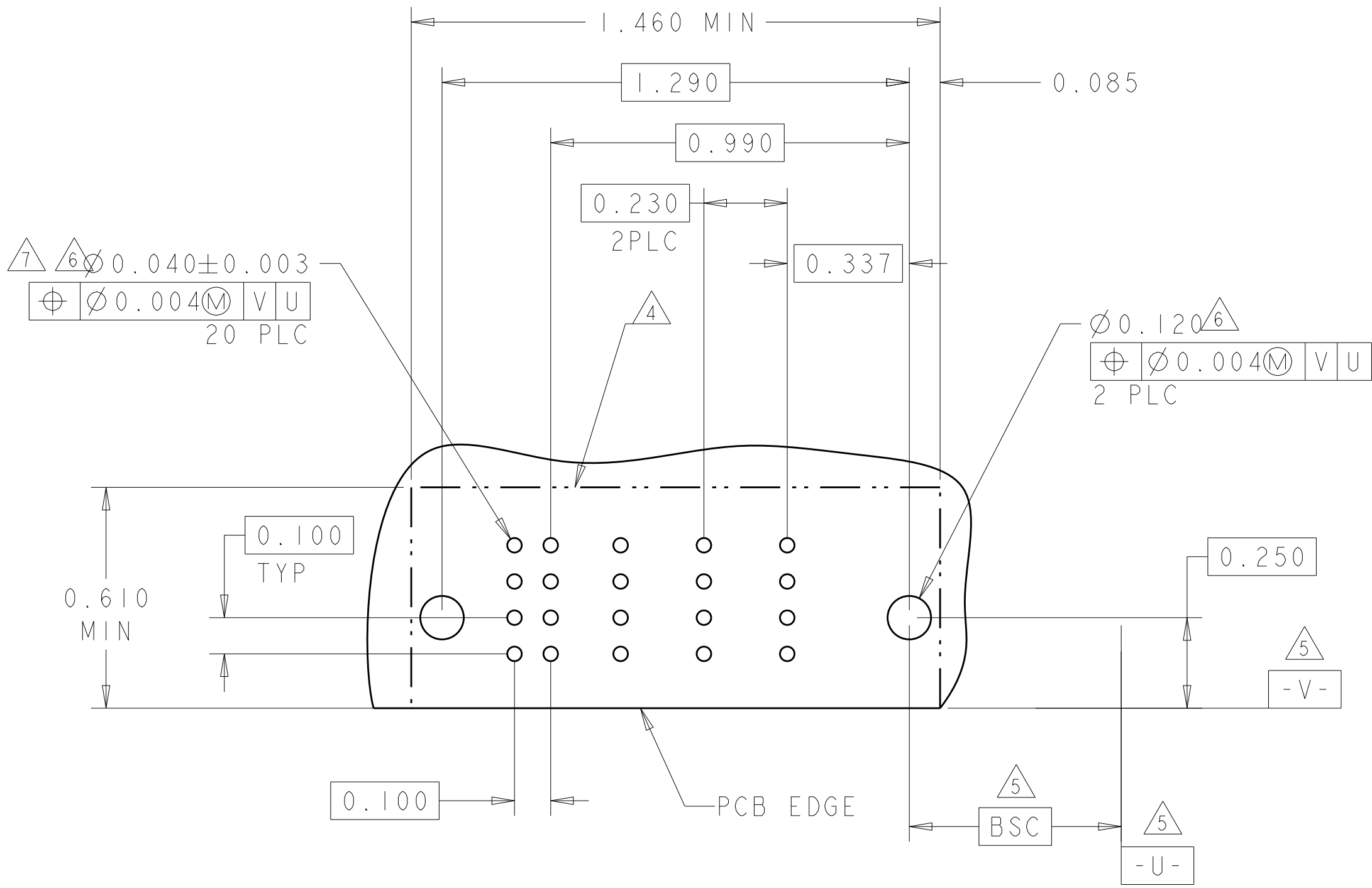
RESTRICTED TO -

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

PART NUMBER	ROWS		POWER	SIGNAL						POWER	
			P2	6	5	4	3	2	1	P1	
6450880-5	D		 RS	D	D	D	D	D	D	 RS	
	C			C	C	C	C	C	C		
	B			B	B	B	B	B	B		
	A			A	A	A	A	A	A		
IP + 24S + IP											



PART NUMBER	ROWS		SIGNAL		POWER`							
			2	1	LP6	LP5	LP4	LP3	LP2	LP1		
6450880-6	D		D	D								
	C		C	LS							LS	LS
	B		B									
	A		A									
6LP + 8S												



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

S. ZHAO

25MAY2007

CHK

S. ZHAO

25MAY2007

APVD

S. ZHAO

25MAY2007

DIMENSIONS:

INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.1

1 PLC ±.1

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±2°

FINISH

MATERIAL

-

PRODUCT SPEC

108-2292

APPLICATION SPEC

114-13251

WEIGHT

-

CUSTOMER DRAWING

NAME

RIGHT ANGLE RECEPTACLE WITH LP CONTACT AND SHORT END MODULES MULTI-BEAM XLE

SIZE

A1

CAGE CODE

6450880

DRAWING NO

100779

RESTRICTED TO

-

SCALE

4:1

SHEET

5

OF

13

REV

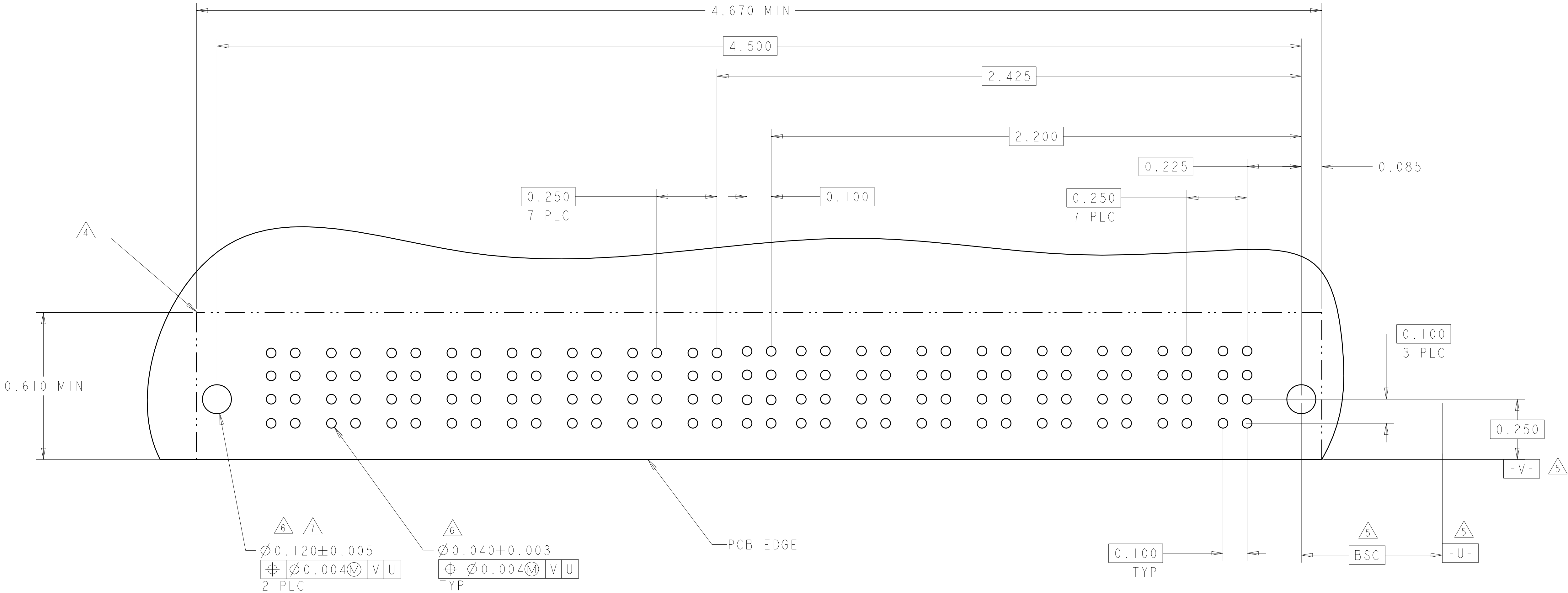
F5

TE

TE Connectivity

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

PART NUMBER	ROWS		POWER								SIGNAL		POWER								
			P16	P15	P14	P13	P12	P11	P10	P9	2	1	P8	P7	P6	P5	P4	P3	P2	P1	
6450880-7	D C B A																				
											D	D									
											C	C									
											B	B									
											A	A									
8P + 8S + 8P																					



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL

-

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ±.1

1 PLC ±.01

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±2°

FINISH

-

DWN S.ZHAO 25MAY2007

CHK S.ZHAO 25MAY2007

APVD S.ZHAO 25MAY2007

PRODUCT SPEC

108-2292

APPLICATION SPEC

114-13251

WEIGHT

-

CUSTOMER DRAWING

NAME

RIGHT ANGLE RECEPTACLE WITH LP CONTACT AND SHORT END MODULES MULTI-BEAM XLE

SIZE

A1

CAGE CODE

00779

DRAWING NO

6450880

RESTRICTED TO

-

SCALE

4:1

SHEET

6

OF

13

REV

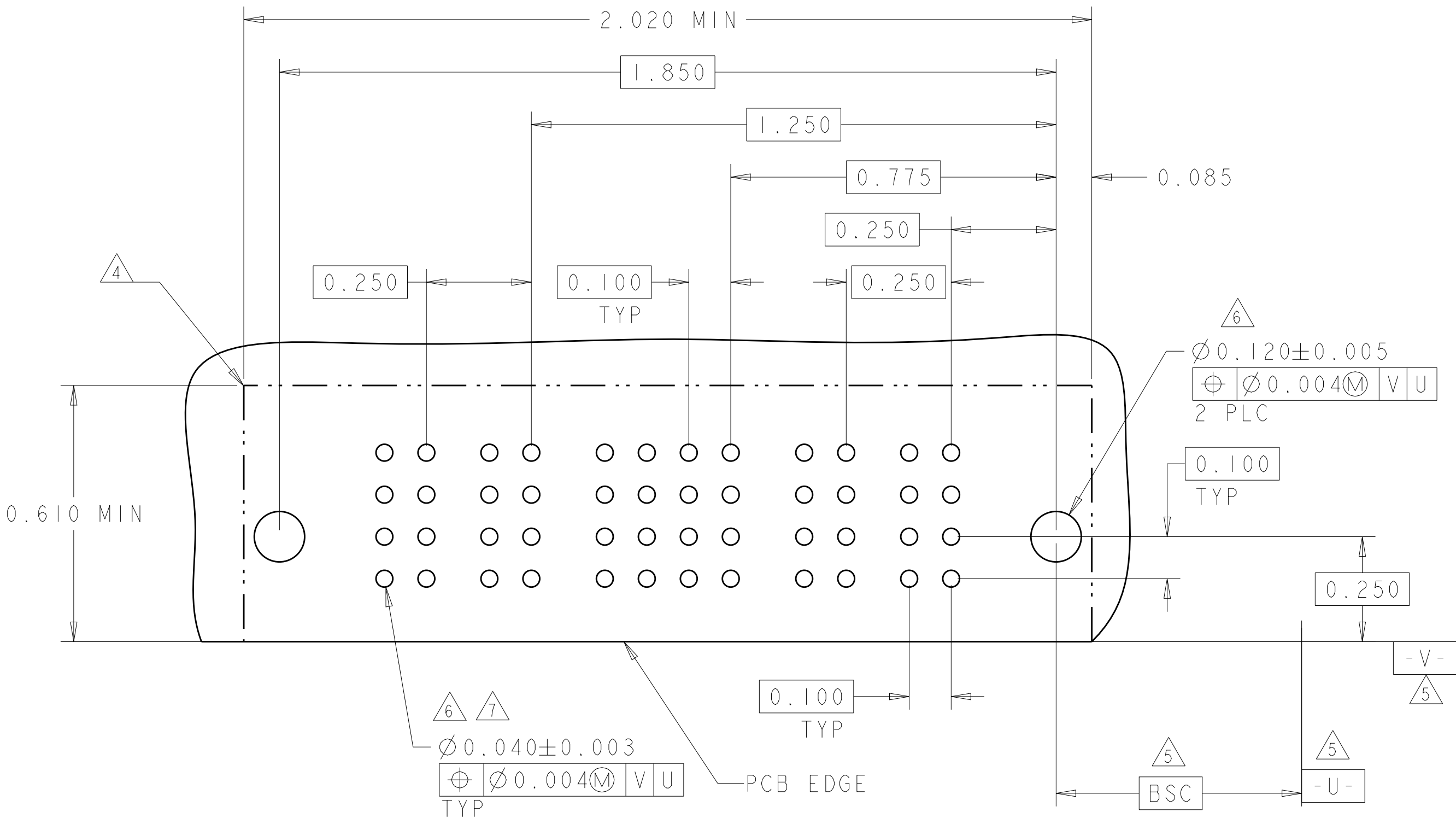
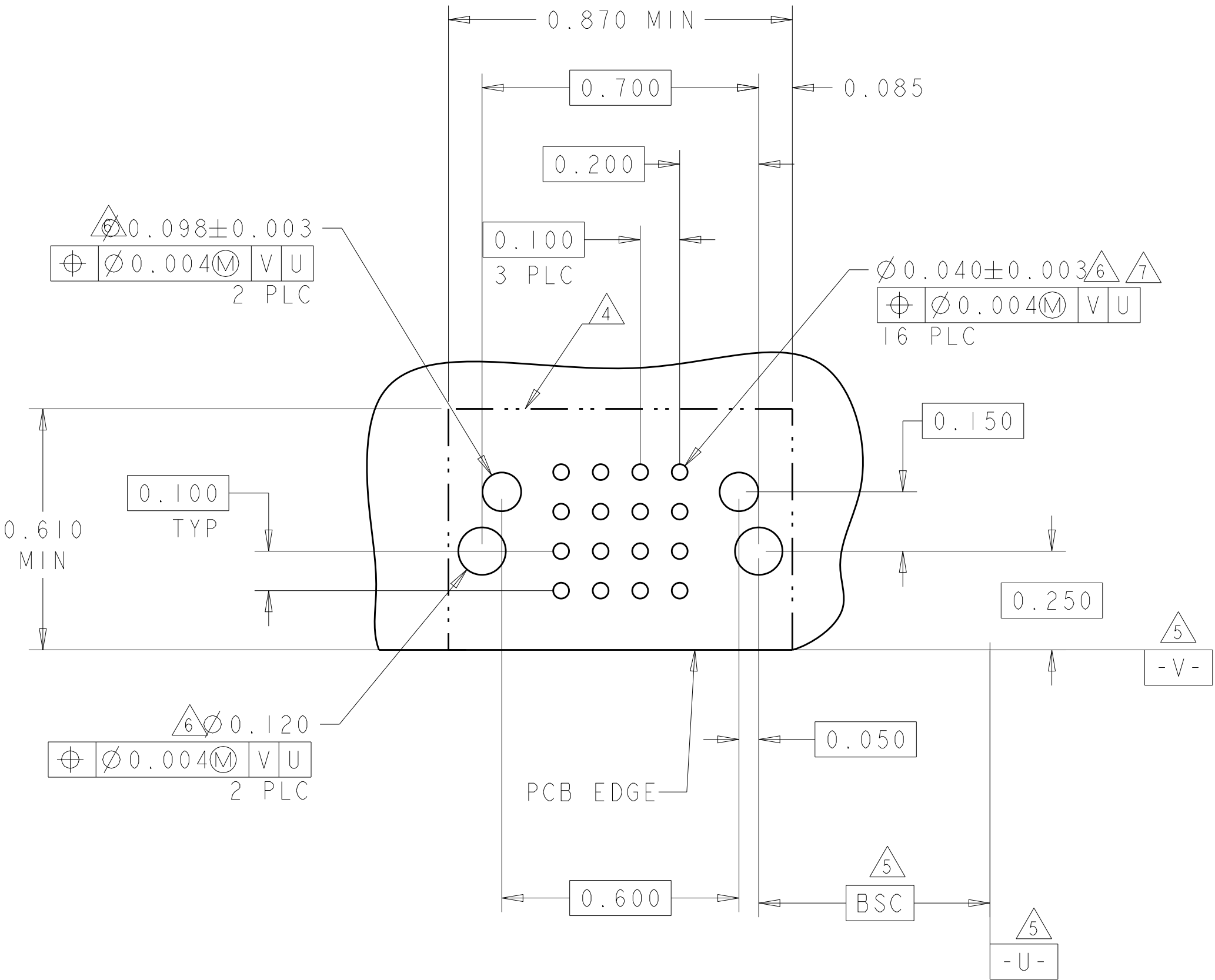
F5

TE Connectivity

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

PART NUMBER	ROWS		SIGNAL				
			4	3	2	1	
I-6450880-0	D		D	D	D	D	
	C		C	C	C	C	
	B		B	B	B	B	
	A	HD	A	A	A	A	HD
16S							

PART NUMBER	ROWS		POWER		SIGNAL				POWER		
			P4	P3	4	3	2	1	P2	P1	
I-6450880-5	D		RS	RS	D	D	D	D	RS	RS	
	C				C	C	C	C			
	B				B	B	B	B			
	A				A	A	A	A			
2P + 16S + 2P											



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
S. ZHAO
25MAY2007

CHK
S. ZHAO
25MAY2007

APVD
S. ZHAO
25MAY2007

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

PRODUCT SPEC
108-2292
APPLICATION SPEC
114-13251

WEIGHT
-

CUSTOMER DRAWING

NAME
RIGHT ANGLE RECEPTACLE WITH LP
CONTACT AND SHORT END MODULES
MULTI-BEAM XLE

SIZE
A1

CAGE CODE
00779

DRAWING NO
C=6450880

RESTRICTED TO
-

SCALE
4:1

SHEET
7

OF
13

REV
F5

TE

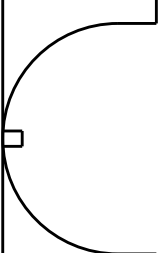
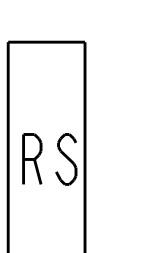
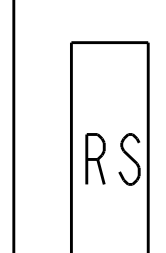
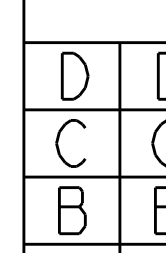
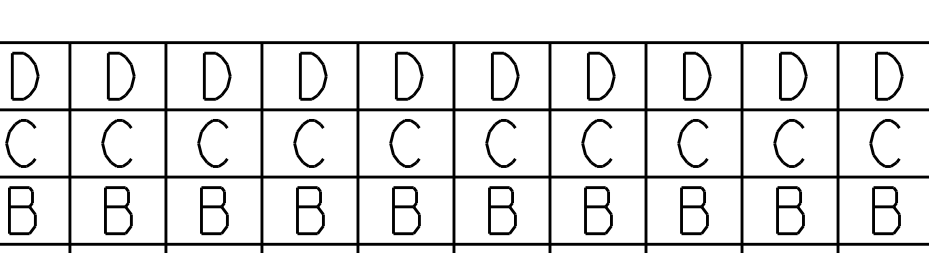
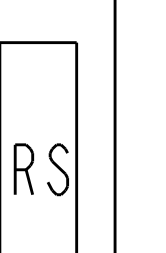
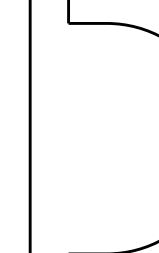
TE Connectivity

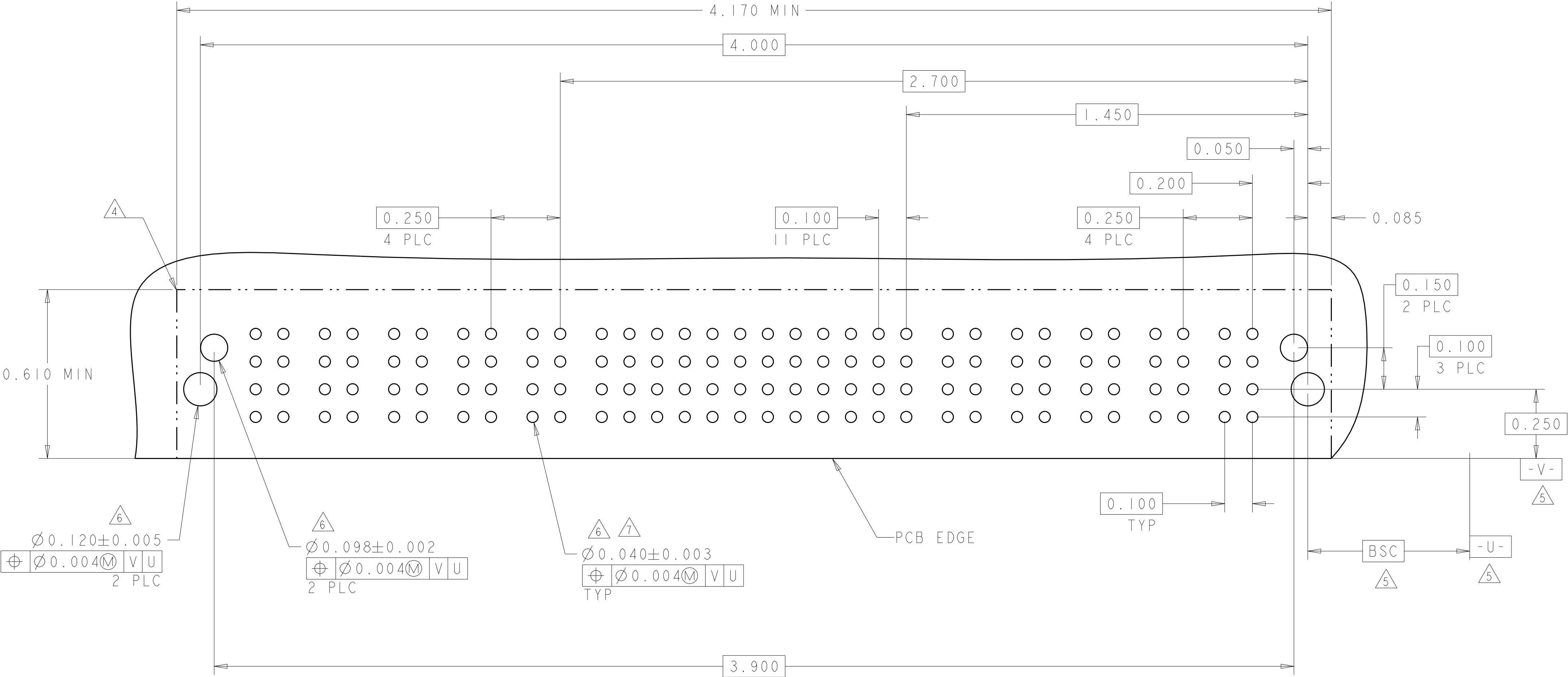
D

4805 (3/11)

[illegible]4805 (3/11)

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

PART NUMBER	ROWS		POWER					SIGNAL										POWER												
			P10	P9	P8	P7	P6	12	11	10	9	8	7	6	5	4	3	2	1	P5	P4	P3		P2	P1					
I-6450880-8	D C B A																													
							D	D	D	D	D	D	D	D	D	D											D	D	D	D
							C	C	C	C	C	C	C	C	C	C											C	C	C	C
							B	B	B	B	B	B	B	B	B	B											B	B	B	B
							A	A	A	A	A	A	A	A	A	A											A	A	A	A
5P + 48S + 5P																														



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

INCHES

MATERIAL

-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.1

1 PLC ±.01

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±2°

FINISH -

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN S.ZHAO 25MAY2007

CHK S.ZHAO 25MAY2007

APVD S.ZHAO 25MAY2007

PRODUCT SPEC

108-2292

APPLICATION SPEC

114-13251

WEIGHT -

CUSTOMER DRAWING

NAME

RIGHT ANGLE RECEPTACLE WITH LP CONTACT AND SHORT END MODULES MULTI-BEAM XLE

SIZE A1

CAGE CODE 00779

DRAWING NO C=6450880

RESTRICTED TO -

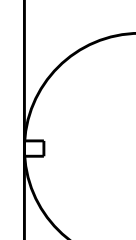
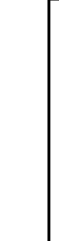
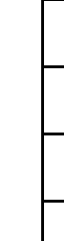
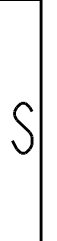
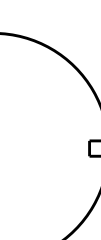
SCALE 4:1

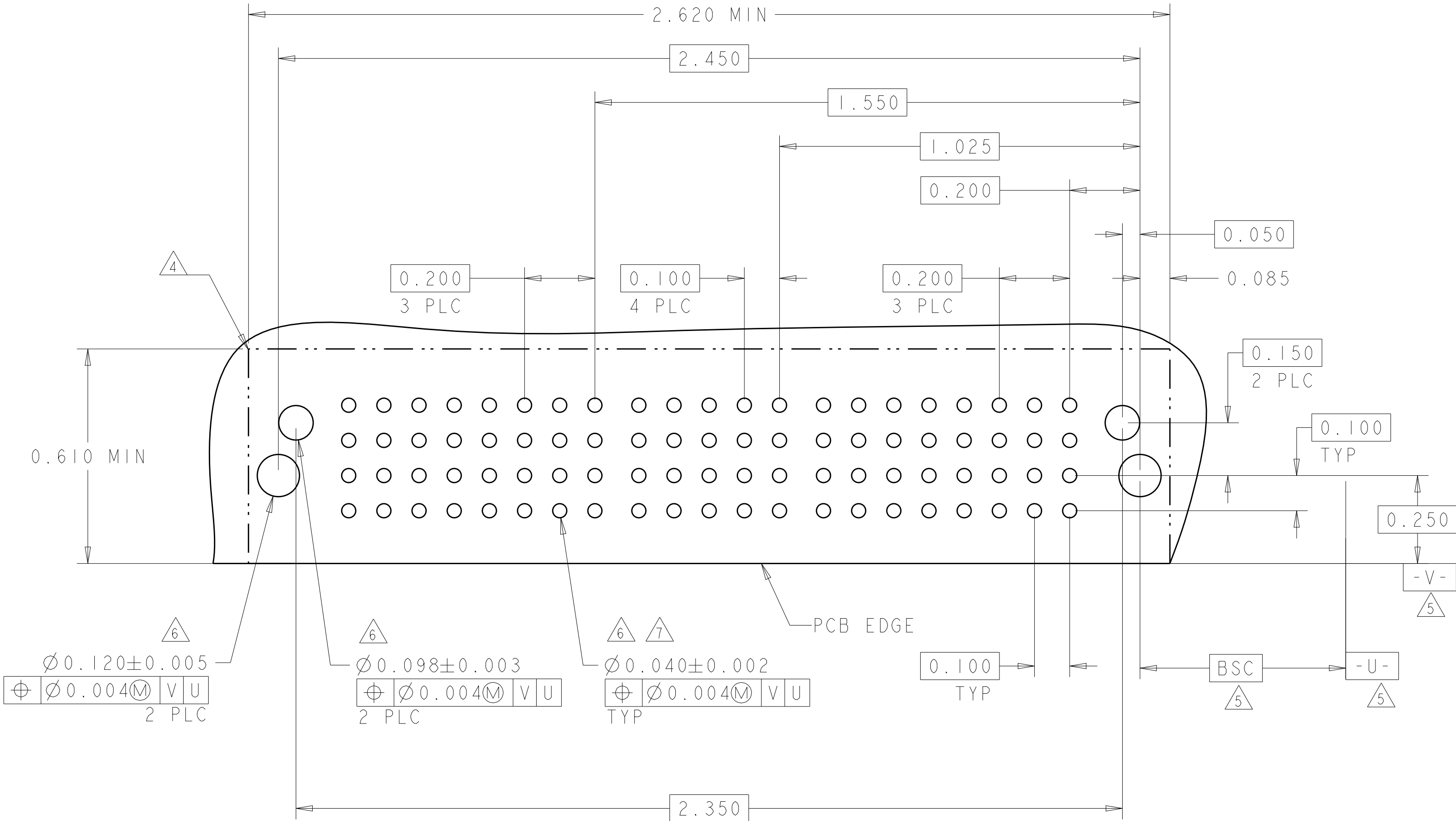
SHEET 10 OF 13

REV F5

TE Connectivity

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

PART NUMBER	ROWS		POWER				SIGNAL					POWER				
			P8	P7	P6	P5	5	4	3	2	1	P4	P3	P2	P1	
1-6450880-9	D C B A															
							D	D	D	D	D					
							C	C	C	C	C					
							B	B	B	B	B					
							A	A	A	A	A					
4HDP + 20S + 4HDP																

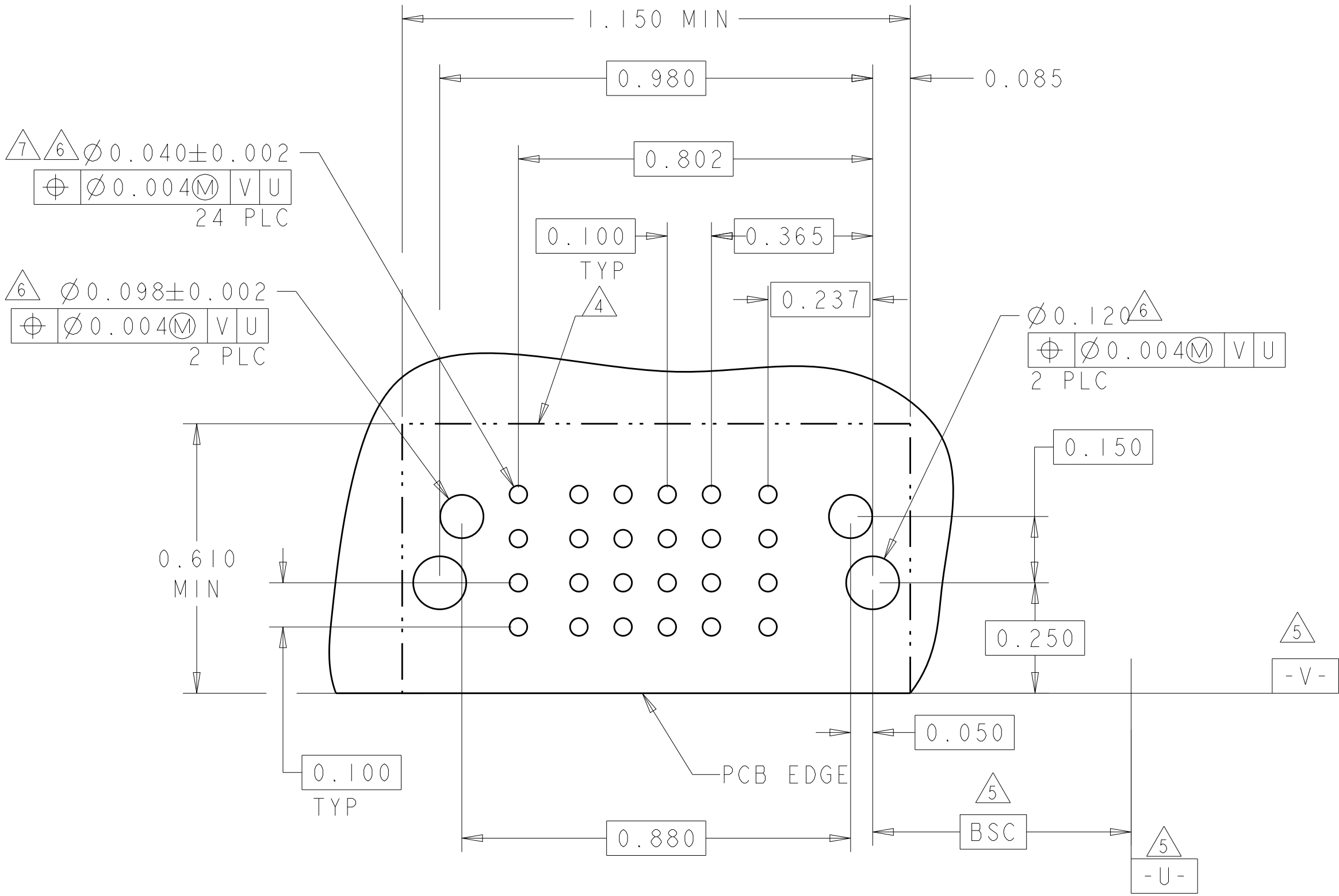


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S.ZHAO 25MAY2007			NAME	
		CHK S.ZHAO 25MAY2007				
DIMENSIONS:		APVD S.ZHAO 25MAY2007	PRODUCT SPEC		SIZE	
INCHES			108-2292		CAGE CODE	
			APPLICATION SPEC		DRAWING NO	
			114-13251		REV	
MATERIAL			WEIGHT		CUSTOMER DRAWING	
					SCALE 4:1	
					SHEET 11 OF 13	
					REV F5	

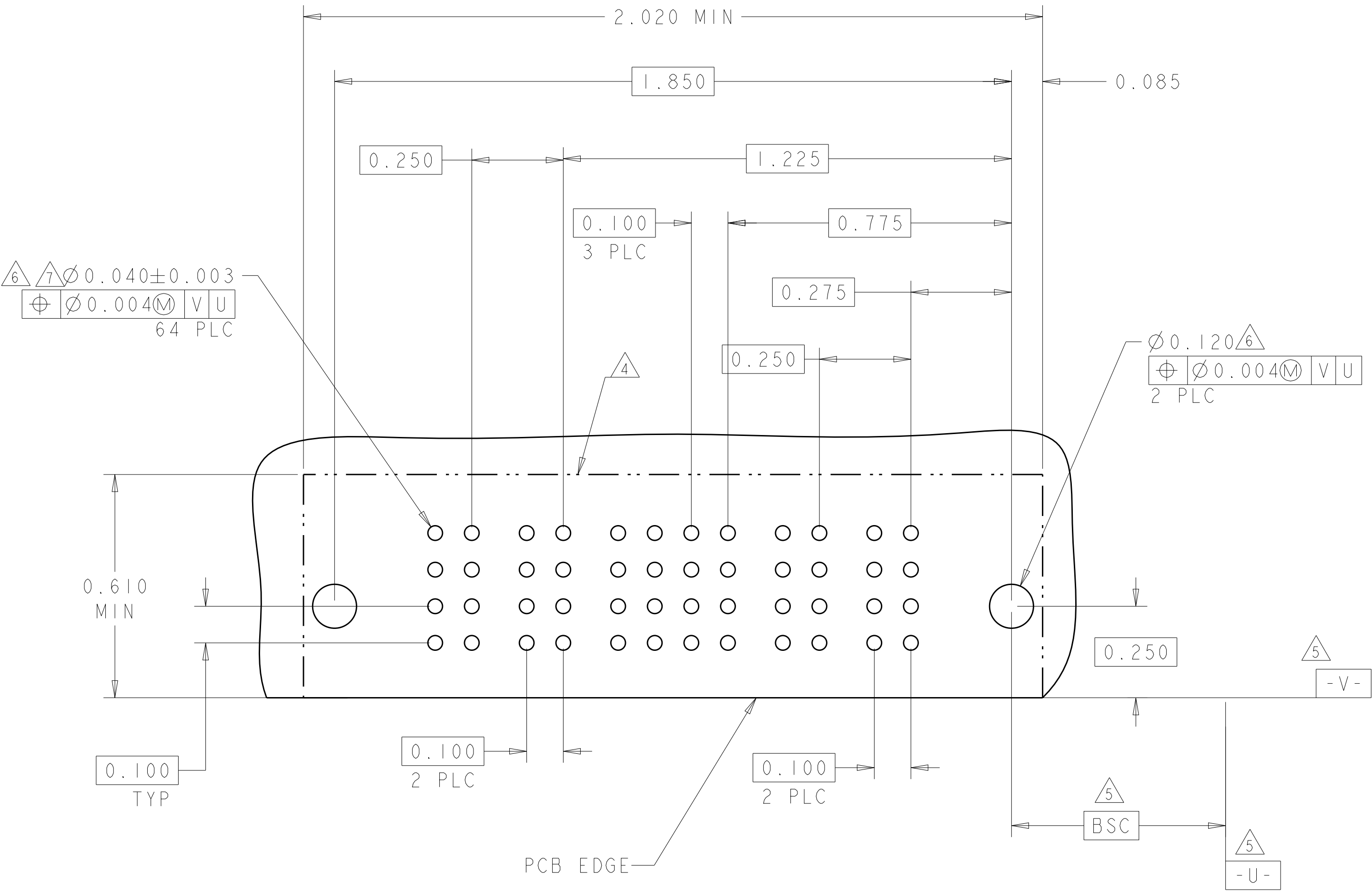
LOC	DIST	REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
		-		SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER	SIGNAL				POWER	
			P2	4	3	2	1	P1	
2-6450880-0	D			D	D	D	D		
	C			C	C	C			
	B			B	B	B			
	A			A	A	A			
ILP + 16S + ILP									

E7

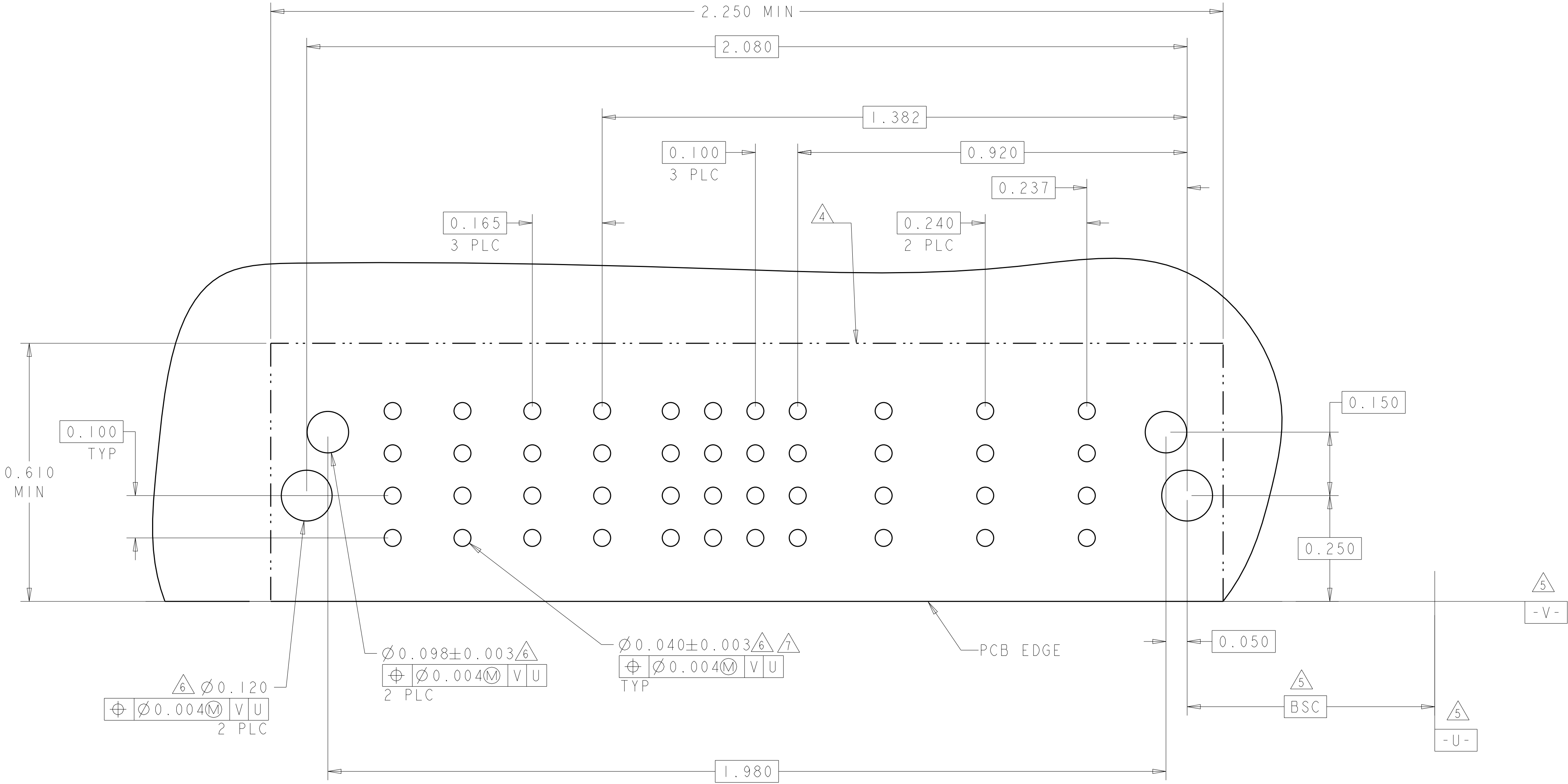


PART NUMBER	ROWS		POWER		SIGNAL				POWER		
			P4	P3	4	3	2	1	P2	P1	
2-6450880-6	D										
											
											
											
2P + 16S + 2P											



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

PART NUMBER	ROWS		POWER				SIGNAL				POWER			
			LP7	LP6	LP5	LP4	4	3	2	1	LP3	LP2	LP1	
2-6450880-7	D	 HD	 LS	 LS	 LS	 LS	D	D	D	D	 LS	 LS	 LS	 HD
	C						C	C	C					
	B						B	B	B					
	A						A	A	A					
	3LP + 16S + 4LP													



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

S. ZHAO

25MAY2007

CHK

S. ZHAO

25MAY2007

APVD

S. ZHAO

25MAY2007

DIMENSIONS:

INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±.1

1 PLC ±.1

2 PLC ±.01

3 PLC ±.005

4 PLC ±.0020

ANGLES ±2°

FINISH

MATERIAL

-

PRODUCT SPEC

108-2292

APPLICATION SPEC

114-13251

WEIGHT

-

CUSTOMER DRAWING

NAME

RIGHT ANGLE RECEPTACLE WITH LP CONTACT AND SHORT END MODULES MULTI-BEAM XLE

SIZE

A1

CAGE CODE

00779

DRAWING NO

C=6450880

RESTRICTED TO

-

SCALE

4:1

SHEET

13

OF

13

REV

F5

TE Connectivity