

LOC		DIST		REVISIONS			
ES	00	P	LTH	DESCRIPTION	DATE	DWN	APVD
		J9		REV PER ECR-12-020199	22NOV2012	CZ	SZ



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. ZHU	Z0DEC2007		TE Connectivity
DIMENSIONS: INCHES		CHK S. ZHAO	Z0DEC2007		NAME VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD S. ZHAO	-	PRODUCT SPEC	
0 PLC ± .01		PRODUCT SPEC		108-2292	
2 PLC ± .01		APPLICATION SPEC		114-13251	
3 PLC ± .005		WEIGHT		A100779C=6450860	
4 PLC ± .0020		SCALE		N/A	
ANGLES ± .2°		SHEET		1 OF 28	
FINISH		REV		K2	
MATERIAL		CUSTOMER DRAWING		SCALE N/A SHEET 1 OF 28 REV K2	

LOC	DIST	REV	DATE	BY	APPV
ES	00				

- 1 "AMP", PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN  
PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0, BLACK.  
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY  
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY  
LP 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 - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES
- 7 PCB - 0.0453 ±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn  
OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 HOLE
- 8 FOR P/S/LP CONFIGURATION, PLEASE REFER TO SHEET 3.
- 9 FOR LP/S/P CONFIGURATION, PLEASE REFER TO SHEET 3.
- 10 VARIABLE DIMENSIONS SHOW ON TABLE.
- 11 FOR LP/S/LP CONFIGURATION, PLEASE REFER TO SHEET 3.
- 12 SPECIAL DIMENSIONS SEE SHEET 3
- 13 RECOMMEND USING CUSTOMER SUPPLIED SCREWS TO SECURE TO BOARD  
TYCO P/N: 19024-2. RECOMMEND TORQUE IS TBD.  
ASSUMING A CARD THICKNESS OF TBD, FINAL SCREW LENGTH AND CARD THICKNESS ARE FACTORS TO BE  
CONSIDERED IF APPLYING A SCREW FOR AN APPLICATION AND MAY VARY FOR EACH APPLICATION.

W	U	K	S	T	D	R	L	DESCRIPTION	PART NUMBER
1.850	.250	.250	.170	1.690	.425	1.100	2.040	2P + 24S + 2P	5-6450860-2
1.185	-	-	.1025	1.025	.2725	.705	1.375	2LP + 16S + 2LP	4-6450860-8
2.850	.250	.250	.170	2.690	.925	1.600	3.040	4P + 24S + 4P	4-6450860-7
2.150	.250	.250	.170	1.990	.475	1.400	2.340	2P + 32S + 2P	4-6450860-6
2.705	.115	.170	.170	2.545	1.800	2.1575	2.895	3ACP+3P+12S+2LP	4-6450860-5
4.450	.250	.250	.170	4.290	1.925	2.200	4.640	8P + 8S + 8P	4-6450860-4
1.400	.250	.250	.145	1.240	.425	.700	1.590	2P + 8S + 2P	4-6450860-3
1.330	.250	-	.1275	1.170	.2725	.5725	1.520	2LP + 8S + 2P	4-6450860-2
2.400	.200	.200	.145	2.240	.775	1.350	2.590	4HDP + 20S + 4HDP	4-6450860-1
1.350	-	-	.170	1.190	.175	.850	1.540	1P + 24S + 1P	4-6450860-0
1.360	-	.230	.1275	1.200	.4775	.8525	1.550	4LP + 12S + 1P	3-6450860-9
2.550	.250	.250	.170	2.390	.475	1.800	2.740	2P + 48S + 2P	3-6450860-6
3.850	.250	.250	.170	3.690	1.425	2.100	4.040	6P + 24S + 6P	3-6450860-5
1.075	-	-	.1025	.915	.2725	.480	1.265	2LP + 8S + 3LP	3-6450860-4
1.330	.250	-	.1275	1.170	.2725	.5725	1.520	2LP + 8S + 2P	3-6450860-3
1.800	.250	.250	.220	1.640	.450	.950	1.990	2P + 16S + 2P	3-6450860-2
2.870	.230	.230	.1525	2.710	.6550	2.2125	3.060	4LP + 60S + 4LP	3-6450860-1
.975	-	-	.1025	.815	.2725	.380	1.165	2LP + 4S + 3LP	3-6450860-0
1.950	.250	.250	.170	1.790	.475	1.200	2.140	2P + 24S + 2P	2-6450860-9
2.550	.250	.250	.170	2.390	.925	1.300	2.740	4P + 12S + 4P	2-6450860-8
5.635	.250	.250	.170	5.475	.475	1.885	5.825	2P + 32S + 4LP + 14P	2-6450860-6
3.570	.250	.230	.1525	3.410	2.1125	2.8375	3.760	18LP + 24S + 2P	2-6450860-5
6.050	.250	.250	.145	5.890	1.950	3.850	6.240	8P + 72S + 8P	2-6450860-1
1.950	.250	.250	.170	1.790	.475	1.200	2.140	2P + 24S + 2P	2-6450860-0
3.350	.200	.200	.170	3.190	1.175	1.850	3.540	6HDP + 24S + 6HDP	1-6450860-7
-	.250	.230	.1275	2.205	.7325	1.4075	2.555	6LP + 24S + 3P	1-6450860-6
2.450	.200	.200	.170	2.290	.775	1.350	2.640	4HDP + 20S + 4HDP	1-6450860-5
2.150	.200	.200	.170	1.990	.775	1.050	2.340	4HDP + 8S + 4HDP	1-6450860-4
2.450	-	.250	.170	2.290	.925	1.200	2.640	4P + 8S + 4P	1-6450860-3
3.450	-	.250	.170	3.290	1.425	1.700	3.640	6P + 8S + 6P	1-6450860-2
2.800	.300	.250	.170	2.640	.925	1.700	2.990	4P + 28S + 3ACP	1-6450860-0
2.510	-	-	.170	2.350	.455	1.6875	2.700	1P+2LP+48S+2LP+1P	6450860-9
2.800	.300	.250	.170	2.640	.925	1.700	2.990	4P + 28S + 3ACP	6450860-7
2.425	.250	.300	.170	2.265	.500	1.175	2.615	2ACP + 24S + 4P	6450860-6
3.665	-	.230	.1025	3.505	.7325	1.4075	3.855	6LP + 24S + 10P	6450860-5
2.530	-	.250	.170	2.370	1.175	1.9825	2.720	5P + 32S + 2LP	6450860-4
5.545	.230	.250	.195	5.385	2.975	4.2325	5.735	12P + 48S + 8LP	6450860-3
5.200	.200	.300	.195	5.040	1.150	2.475	5.390	4ACP + 48S + 12HDP	6450860-2
.985	-	-	.1025	.825	.2725	.505	1.175	2LP + 8S + 2LP	6450860-1
D	T	S	K	U	W	R	L	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: D. ZHU  
 CHG: S. ZHAO  
 APVD: S. ZHAO

DIMENSIONS: INCHES  
 TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 0 PLC ±.  
 1 PLC ±.01  
 2 PLC ±.01  
 3 PLC ±.005  
 4 PLC ±.0020  
 ANGLES ±.0020

MATERIAL: FINISH:

DATE: 20DEC2007  
 NAME: VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE  
 PRODUCT SPEC: 108-2292  
 APPLICATION SPEC: 114-13251  
 WEIGHT: CUSTOMER DRAWING

SIZE: A1  
 CAGE CODE: 6450860  
 SCALE: N/A  
 SHEET: 2 OF 28  
 REV: K2

STE TE Connectivity

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



FOR P/S/LP CONFIGURATION  
 UNSPECIFIED DIMENSION REFER TO SHEET 1



FOR LP/S/P CONFIGURATION  
 UNSPECIFIED DIMENSION REFER TO SHEET 1



FOR PART 2-6450860-6

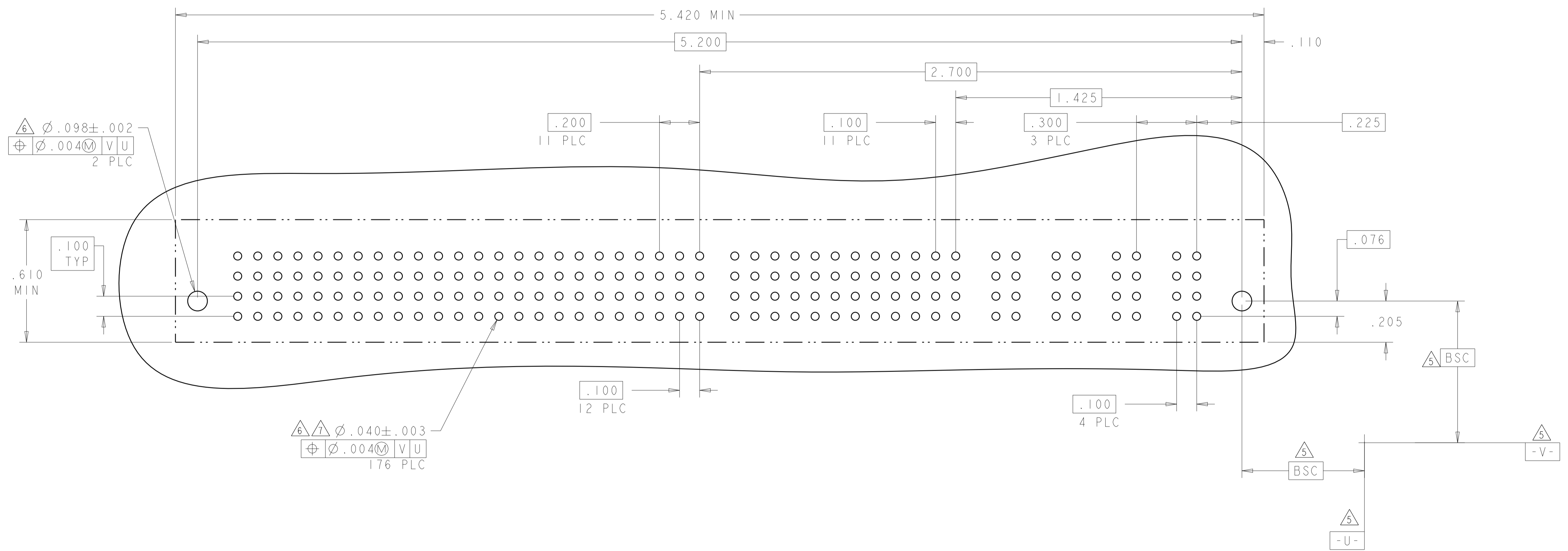


FOR LP/S/LP(6450860-1 AND 3-6450860-0) CONFIGURATION  
 UNSPECIFIED DIM REFER TO SHEET 1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: D. ZHU	20DEC2007	TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	20DEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: S. ZHAO		NAME: VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
0 PLC ±		PRODUCT SPEC		SIZE: A1
1 PLC ±.01		108-2292		CAGE CODE: 6450860
2 PLC ±.01		APPLICATION SPEC		RESTRICTED TO:
3 PLC ±.005		114-13251		
4 PLC ±.0020		WEIGHT		
ANGLES ±.7°		CUSTOMER DRAWING		
MATERIAL		SCALE: N/A	SHEET 3 OF 28	REV: K2

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

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
6450860-2	D C B A	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS
		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS
		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS
		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS
4ACP + 48S + 12HDP																													



LSI	STD LP POWER PRESS FIT CONTACT
GP	MFBL POWER PRESS FIT CONTACTS
GS	STD POWER PRESS FIT CONTACTS
AP	SIGNAL PRESS FIT CONTACT
CODE	DESCRIPTION
CONTACT TABLE	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: D. ZHU	20DEC2007	<b>STE</b> TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	20DEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: S. ZHAO	NAME	VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
0 PLC ± .01		PRODUCT SPEC	108-2292	
2 PLC ± .01		APPLICATION SPEC	114-13251	
4 PLC ± .0020		SIZE	A100779	
ANGLES ± .0020		WEIGHT	C=6450860	RESTRICTED TO
FINISH		CUSTOMER DRAWING	SCALE N/A	SHEET 4 OF 28

LOC	DIST	REVISIONS			
		REV	DATE	BY	APPV
ES	00	-	-	-	-
		SEE SHEET 1			

PART NUMBER	ROWS	SIGNAL														POWER																
		LP8	LP7	LP6	LP5	LP4	LP3	LP2	LPI	I2	I1	I0	9	8	7	6	5	4	3	2	1	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2
6450860-3	D								AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
	C								AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
	B	LS1	LS1	LS1	LS1	LS1	LS1	LS1	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS
	A								AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS

12P + 48S + 8LP



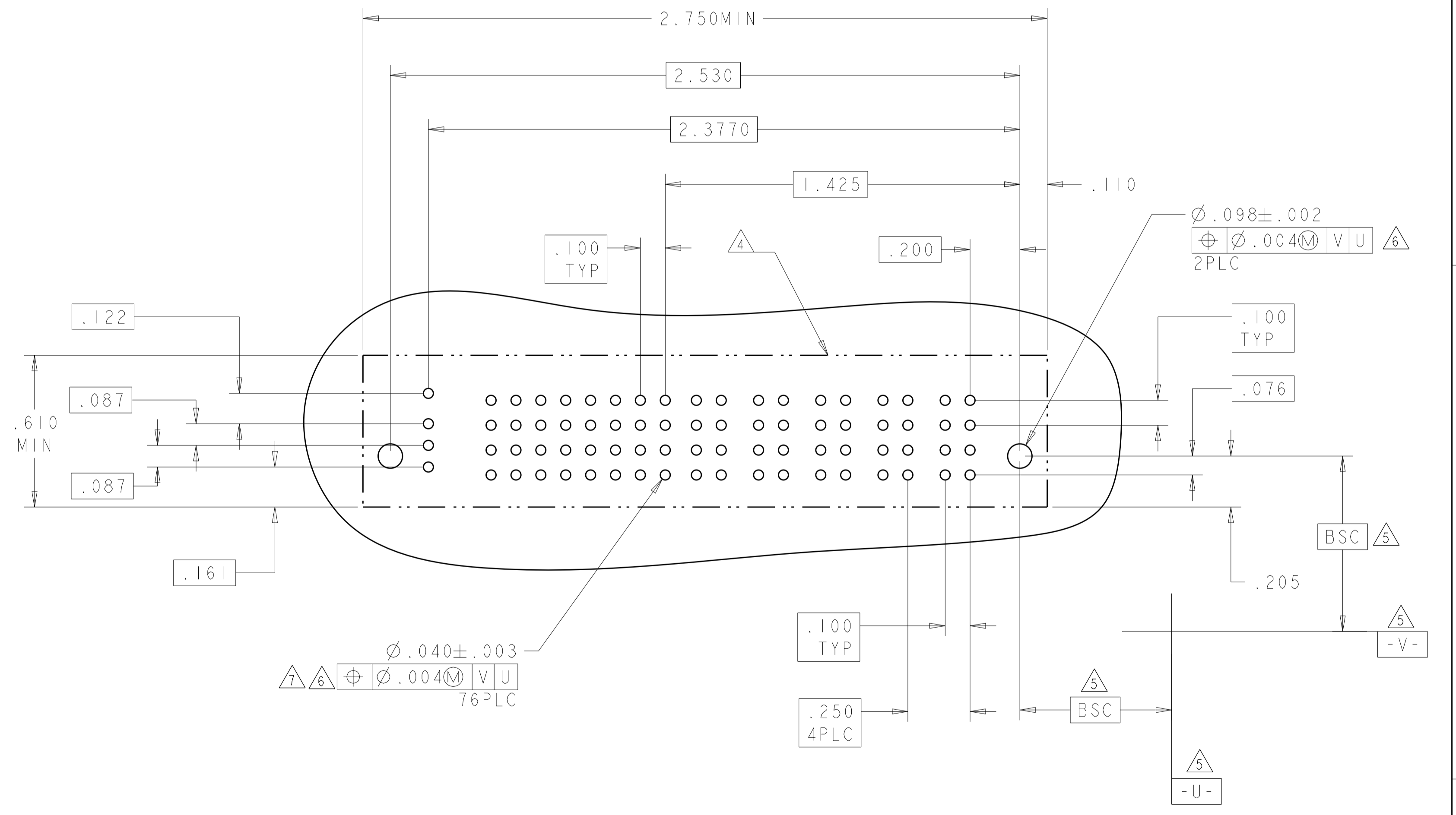
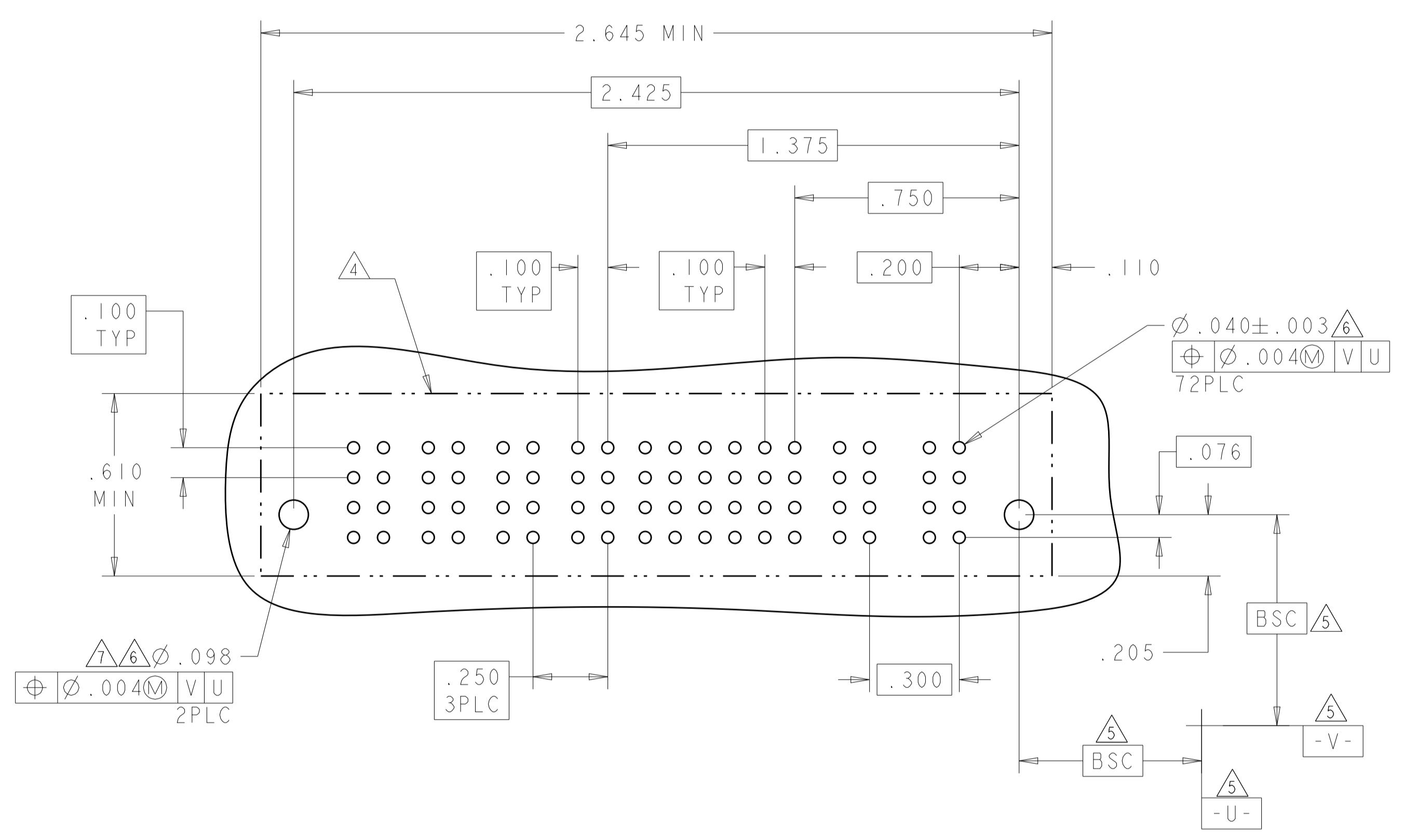
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: D. ZHU	20DEC2007	TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	20DEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2° FINISH		APVD: S. ZHAO		NAME: VER RECEP ASSEMBLY PRODUCT SPEC: 108-2292 APPLICATION SPEC: SIZE: 114-13251 WEIGHT:
MATERIAL:		CUSTOMER DRAWING		RESTRICTED TO: A100779C=6450860 SCALE: N/A SHEET 5 OF 28 REV: K2

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

PART NUMBER	ROWS	POWER				SIGNAL					POWER		HD	
		P6	P5	P4	P3	6	5	4	3	2	1	P2		P1
6450860-6	D	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	GS	GS	HD
	C					AP	AP	AP	AP	AP	AP			
	B					AP	AP	AP	AP	AP	AP			
	A					AP	AP	AP	AP	AP	AP			
2ACP + 24S + 4P														

PART NUMBER	ROWS	LP2	LPI	SIGNAL								POWER					HD	
				8	7	6	5	4	3	2	1	P5	P4	P3	P2	P1		
6450860-4	D	LSI		AP	AP	AP	AP	AP	AP	AP	AP	AP	GS	GP	GS	GP	GP	HD
	C			AP	AP	AP	AP	AP	AP	AP	AP							
	B			AP	AP	AP	AP	AP	AP	AP	AP							
	A			AP	AP	AP	AP	AP	AP	AP	AP							
5P + 32S + 2LP																		

NO CONTACT LOADED



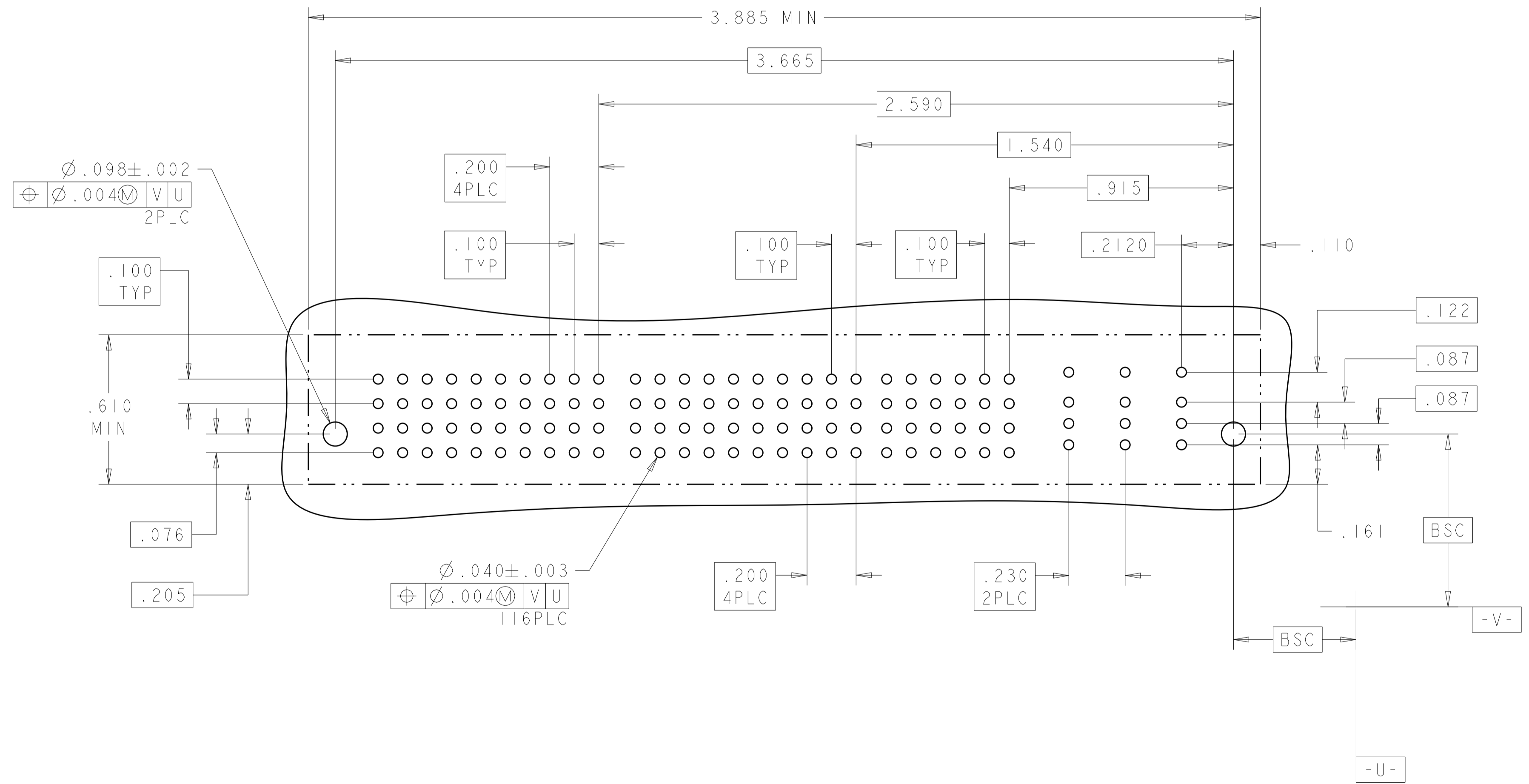
THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	FINISH	DMN: D. ZHU CHK: S. ZHAO APVD: S. ZHAO	20DEC2007 20DEC2007	 TE Connectivity VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
MATERIAL			PRODUCT SPEC: 108-2292 APPLICATION SPEC: 114-13251 WEIGHT	SIZE: A100779 CAGE CODE: C=6450860	

CUSTOMER DRAWING SCALE: N/A SHEET 6 OF 28 REV: K2

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

PART NUMBER	ROWS	POWER										SIGNAL						POWER					
		P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	6	5	4	3	2	1	LP6	LP5	LP4	LP3	LP2	LP1
6450860-5	D C B A	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI	LSI	LSI
		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI	LSI	LSI
		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI	LSI	LSI
		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI	LSI	LSI



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: D.ZHU	20DEC2007	TE Connectivity
DIMENSIONS: INCHES		CHK: S.ZHAO	20DEC2007	
		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°		NAME: VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
MATERIAL: -		APVD: S.ZHAO PRODUCT SPEC: 108-2292 APPLICATION SPEC: 114-13251 WEIGHT: -		SIZE: A1 CAGE CODE: 6450860 CUSTOMER DRAWING
4805 (3/11)		SCALE: N/A		SHEET 7 OF 28 REV: K2

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

PART NUMBER	ROWS	POWER				SIGNAL				POWER							
		P7	P6	P5		7	6	5	4	3	2	1	P4	P3	P2	P1	
6450860-7	D C B A	HD	GS	GS			AP	AP	AP	AP	AP		GS	GS	GS	GS	HD
							AP	AP	AP	AP	AP						
							AP	AP	AP	AP	AP						
							AP	AP	AP	AP	AP						
4P + 28S + 3ACP																	

NO CONTACTS LOADED

PART NUMBER	ROWS	POWER		SIGNAL		POWER	
		P4	P3	2	1	P2	P1
6450860-1	D C B A	LSI	LSI	AP	AP	LSI	LSI
				AP	AP		
				AP	AP		
				AP	AP		
2LP + 8S + 2LP							



THIS DRAWING IS A CONTROLLED DOCUMENT.

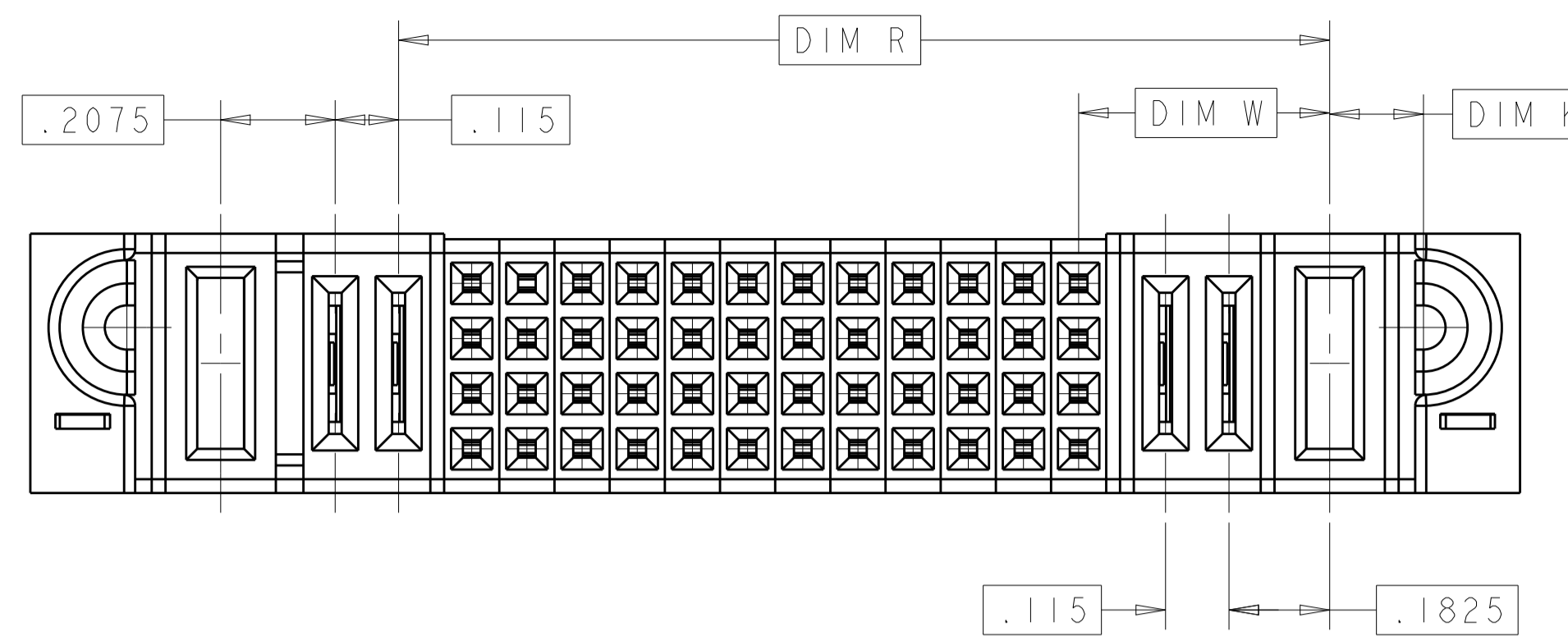
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	FINISH	DMN D.ZHU Z0DEC2007 CHK S.ZHAO Z0DEC2007 APVD S.ZHAO	NAME VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
MATERIAL			PRODUCT SPEC 108-2292 APPLICATION SPEC 114-13251 WEIGHT	SIZE CAGE CODE DRAWING NO A100779C=6450860
CUSTOMER DRAWING			SCALE N/A	SHEET 8 OF 28 REV K2

STE TE Connectivity

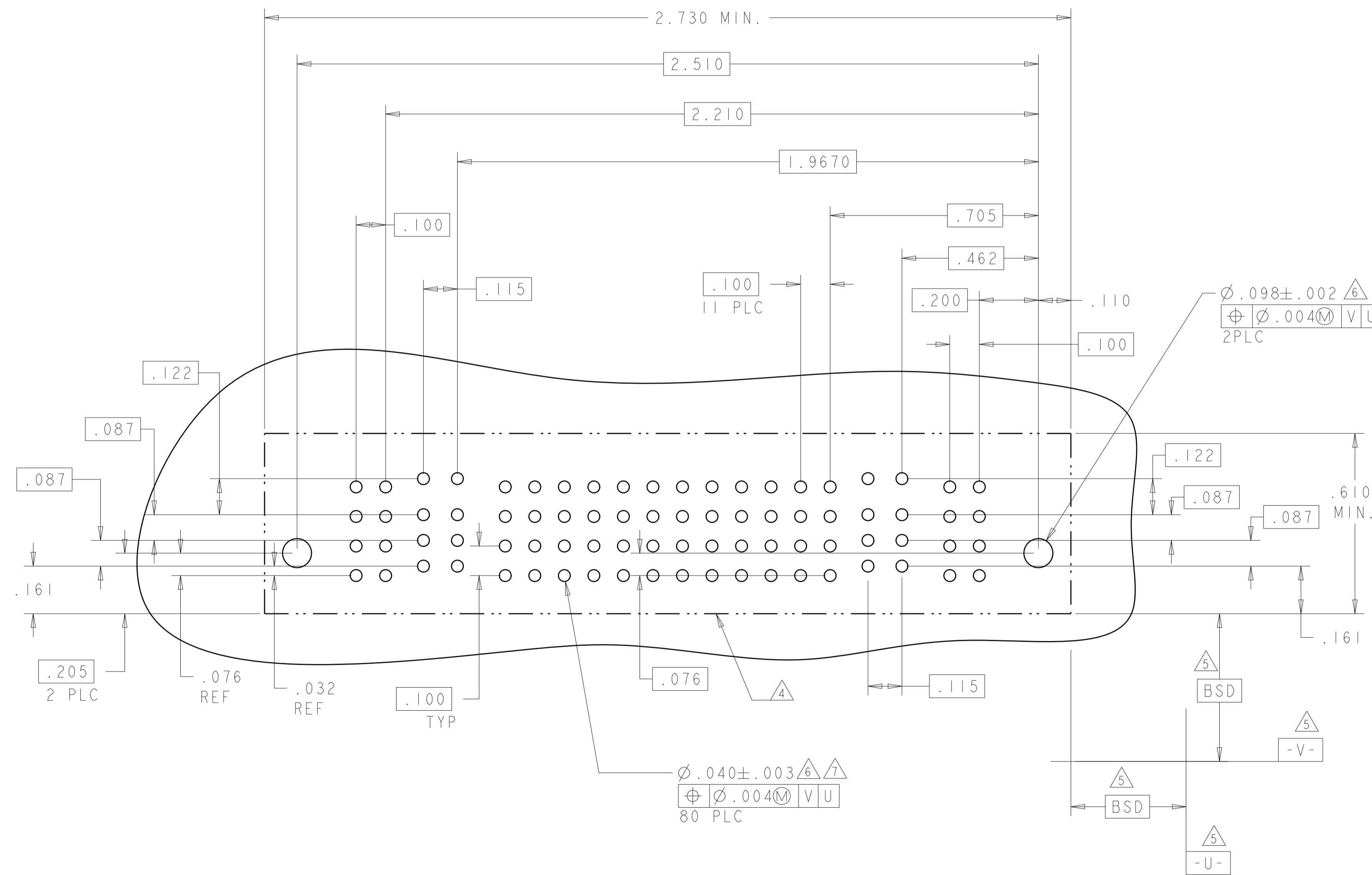


LOC	DIST	REVISIONS			
ES	00	REV	DATE	BY	APPD
		1	SEE SHEET 1		

PART NUMBER	ROWS	POWER			SIGNAL											POWER					
		P2	LP4	LP3	12	11	10	9	8	7	6	5	4	3	2	1	LP2	LPI	PI		
6450860-9	D	GP	LSI	LSI	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	
	C				AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	
	B				AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
	A				AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
IP + 2LP + 48S + 2LP + IP																					



P/N: 6450860-9 CONFIGURATION  
 UNSPECIFIED DIMENSION REFER TO SHEET 1



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: D. ZHU CHK: S. ZHAO APPD: S. ZHAO	20DEC2007 20DEC2007	TE Connectivity VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°	PRODUCT SPEC: 108-2292 APPLICATION SPEC: 114-13251	SIZE: A1 CAGE CODE: 00779 DRAWING NO: 6450860	
MATERIAL: -	FINISH: -	WEIGHT: -	CUSTOMER DRAWING	SCALE: N/A SHEET: 9 of 28 REV: K2

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

PART NUMBER	ROWS	POWER			SIGNAL							POWER			
		P7	P6	P5	7	6	5	4	3	2	1	P4	P3	P2	P1
1-6450860-0	D	GS	GS	GS		AP	AP	AP	AP	AP	AP	GS	GS	GS	GS
	C					AP	AP	AP	AP	AP					
	B					AP	AP	AP	AP	AP					
	A					AP	AP	AP	AP	AP					
		4P + 28S + 3ACP													

NO CONTACTS LOADED



THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: D.ZHU, 20DEC2007  
 CHK: S.ZHAO, 20DEC2007  
 APVD: S.ZHAO

TE Connectivity

VER RECEP ASSEMBLY  
 SHORT GUIDES, PRESS FIT  
 MULTI-BEAM XLE

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

SIZE: A1  
 CAGE CODE: 00779  
 DRAWING NO: 6450860

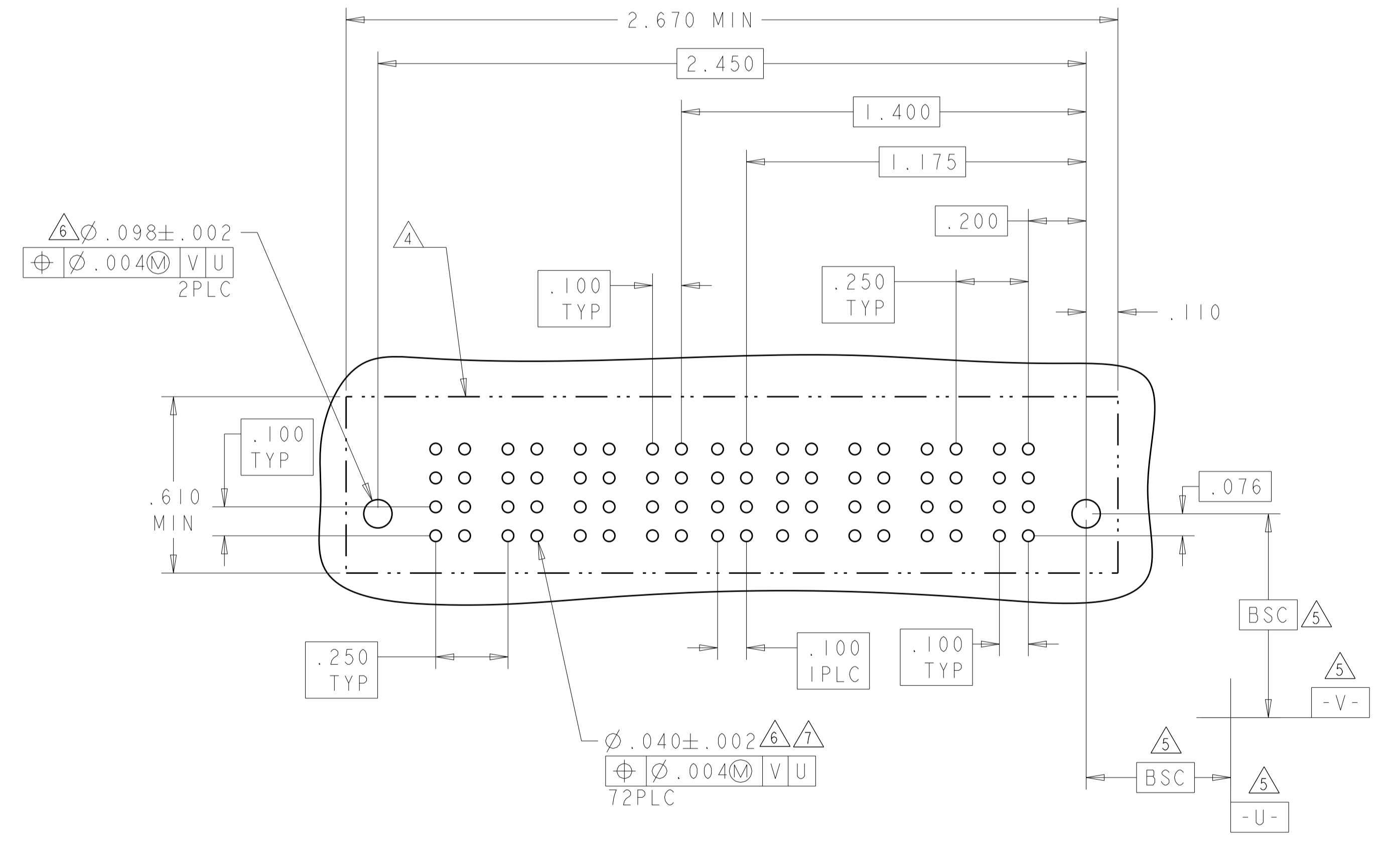
SCALE: N/A  
 SHEET: 10 OF 28  
 REV: K2

CUSTOMER DRAWING

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	OWN	APVD
ES	00	SEE SHEET 1			

PART NUMBER	ROWS	POWER						SIGNAL		POWER					
		P12	P11	P10	P9	P8	P7	2	1	P6	P5	P4	P3	P2	P1
1-6450860-2	D C B A	GS	GS	GS	GS	GS	GS	AP	AP	GS	GS	GS	GS	GS	GS
		HD								HD					
		6P + 8S + 6P													

PART NUMBER	ROWS	POWER				SIGNAL		POWER			
		P8	P7	P6	P5	2	1	P4	P3	P2	P1
1-6450860-3	D C B A	GS	GS	GS	GS	AP	AP	GS	GS	GS	GS
		HD						HD			
		4P + 8S + 4P									



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: D. ZHU	ZODEC2007	 TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	ZODEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: S. ZHAO		VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
0 PLC ± .01		PRODUCT SPEC	108-2292	
2 PLC ± .01		APPLICATION SPEC	114-13251	
4 PLC ± .002		WEIGHT		
ANGLES ± .020		CUSTOMER DRAWING	SCALE N/A	SHEET 11 OF 28
MATERIAL		A100779C=6450860		REV: K2

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

PART NUMBER	ROWS	POWER				SIGNAL		POWER			
		P8	P7	P6	P5	2	1	P4	P3	P2	P1
I-6450860-4	D C B A	GS	GS	GS	GS	AP	AP	GS	GS	GS	GS
						AP	AP				
						AP	AP				
						AP	AP				
4HDP + 8S + 4HDP											

PART NUMBER	ROWS	POWER				SIGNAL					POWER			
		P8	P7	P6	P5	5	4	3	2	1	P4	P3	P2	P1
I-6450860-5	D C B A	GS	GS	GS	GS	AP	AP	AP	AP	AP	GS	GS	GS	GS
						AP	AP	AP	AP	AP				
						AP	AP	AP	AP	AP				
						AP	AP	AP	AP	AP				
4HDP + 20S + 4HDP														



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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°	FINISH	DMN: D. ZHU CHK: S. ZHAO APVD: S. ZHAO	PRODUCT SPEC: 108-2292 APPLICATION SPEC: 114-13251	NAME: VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
MATERIAL	FINISH	WEIGHT	SCALE: N/A	SHEET 12 OF 28	REV: K2

Customer Drawing

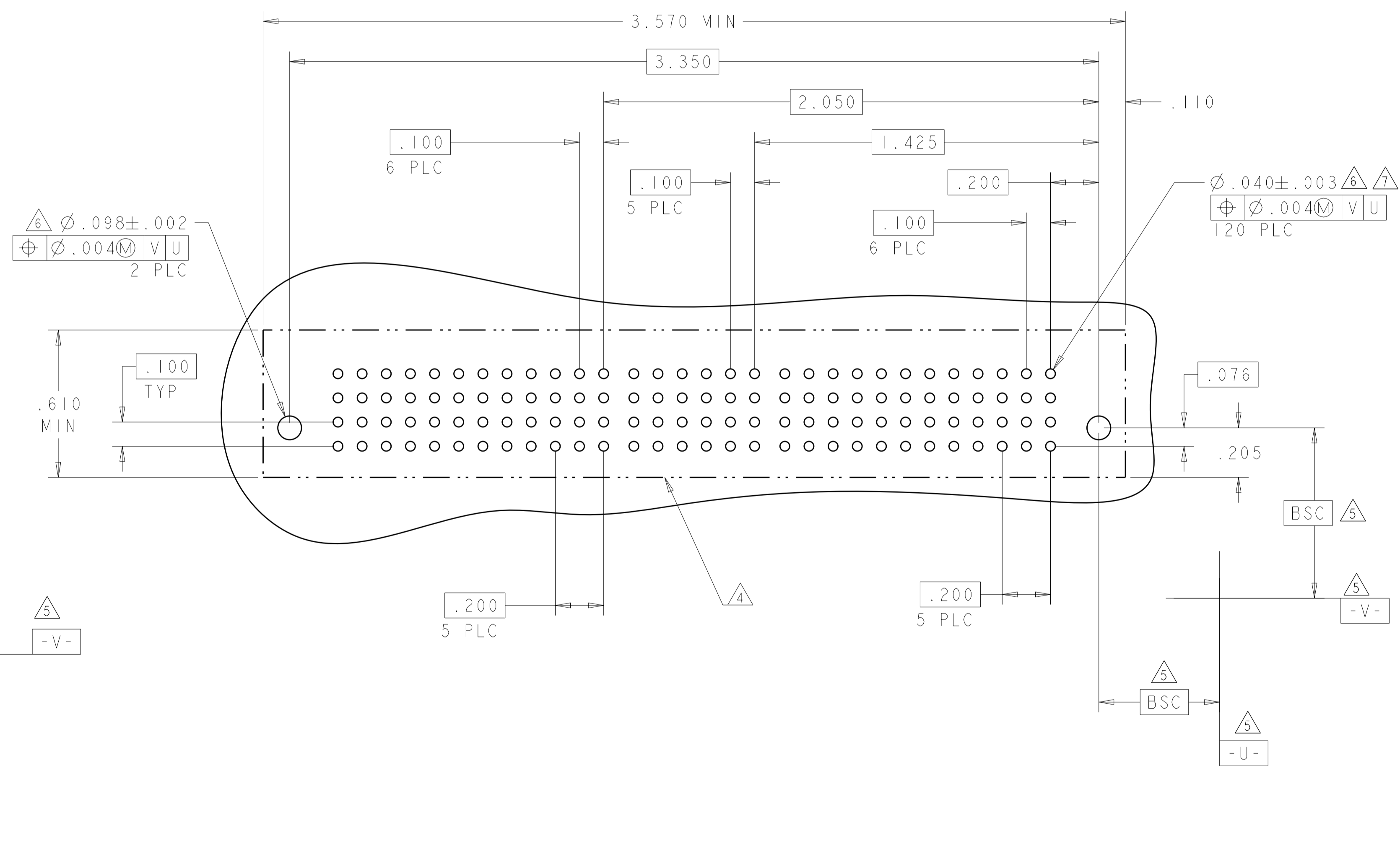
LOC	DIST	REV	DATE	BY	APP'D
ES	00				

REVISIONS		DATE	BY	APP'D
1	SEE SHEET 1			

PART NUMBER	ROWS	POWER			SIGNAL						POWER						
		P3	P2	P1	6	5	4	3	2	1	LP6	LP5	LP4	LP3	LP2	LP1	
I-6450860-6	D C B A	GS	GS	GS	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI	LSI	LSI	LSI
					AP	AP	AP	AP	AP	AP							
					AP	AP	AP	AP	AP	AP							
6LP + 24S + 3P																	

PART NUMBER	ROWS	POWER						SIGNAL						POWER					
		P12	P11	P10	P9	P8	P7	6	5	4	3	2	1	P6	P5	P4	P3	P2	P1
I-6450860-7	D C B A	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS	GS	GS
								AP	AP	AP	AP	AP	AP						
								AP	AP	AP	AP	AP	AP						
6HDP + 24S + 6HDP																			

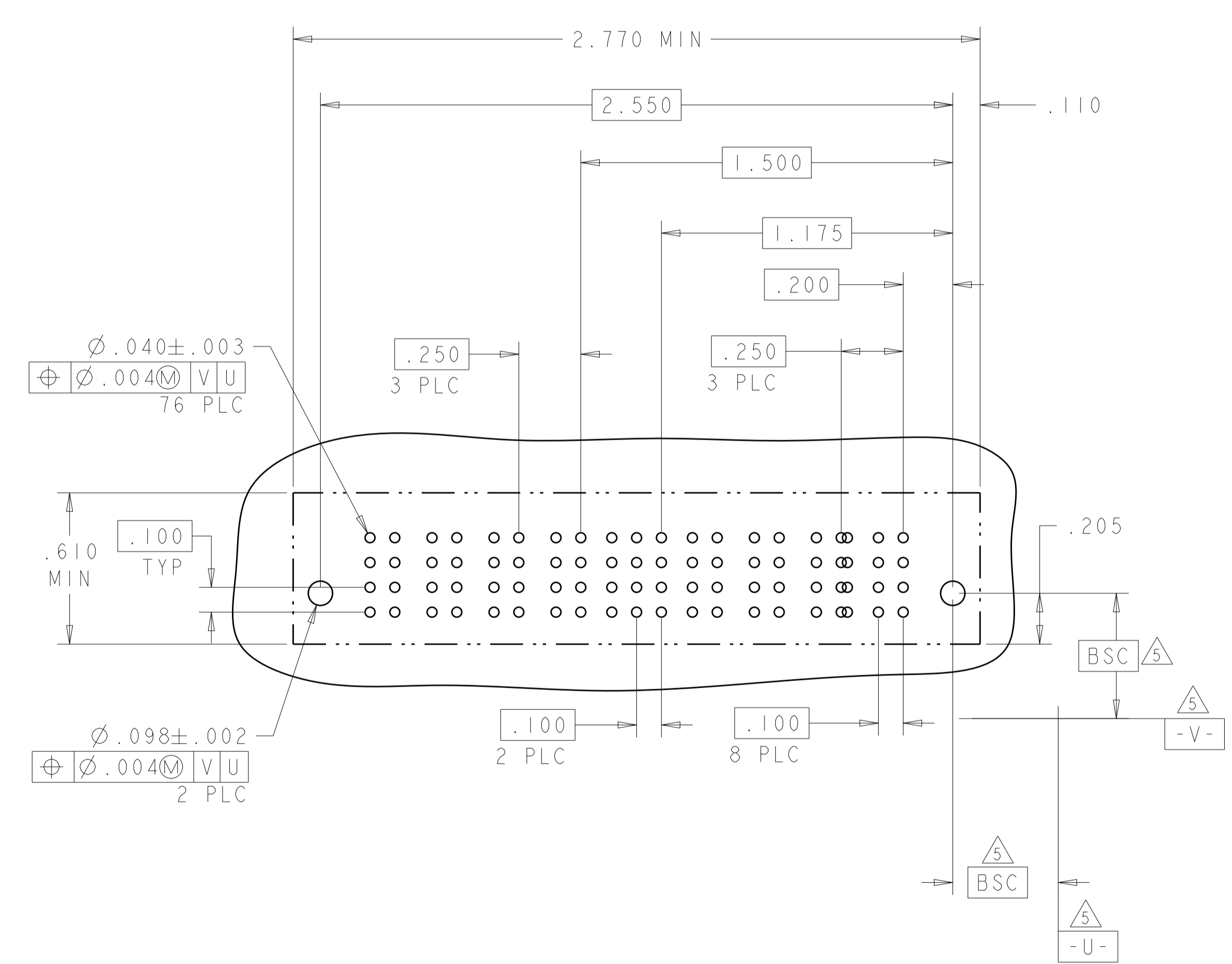
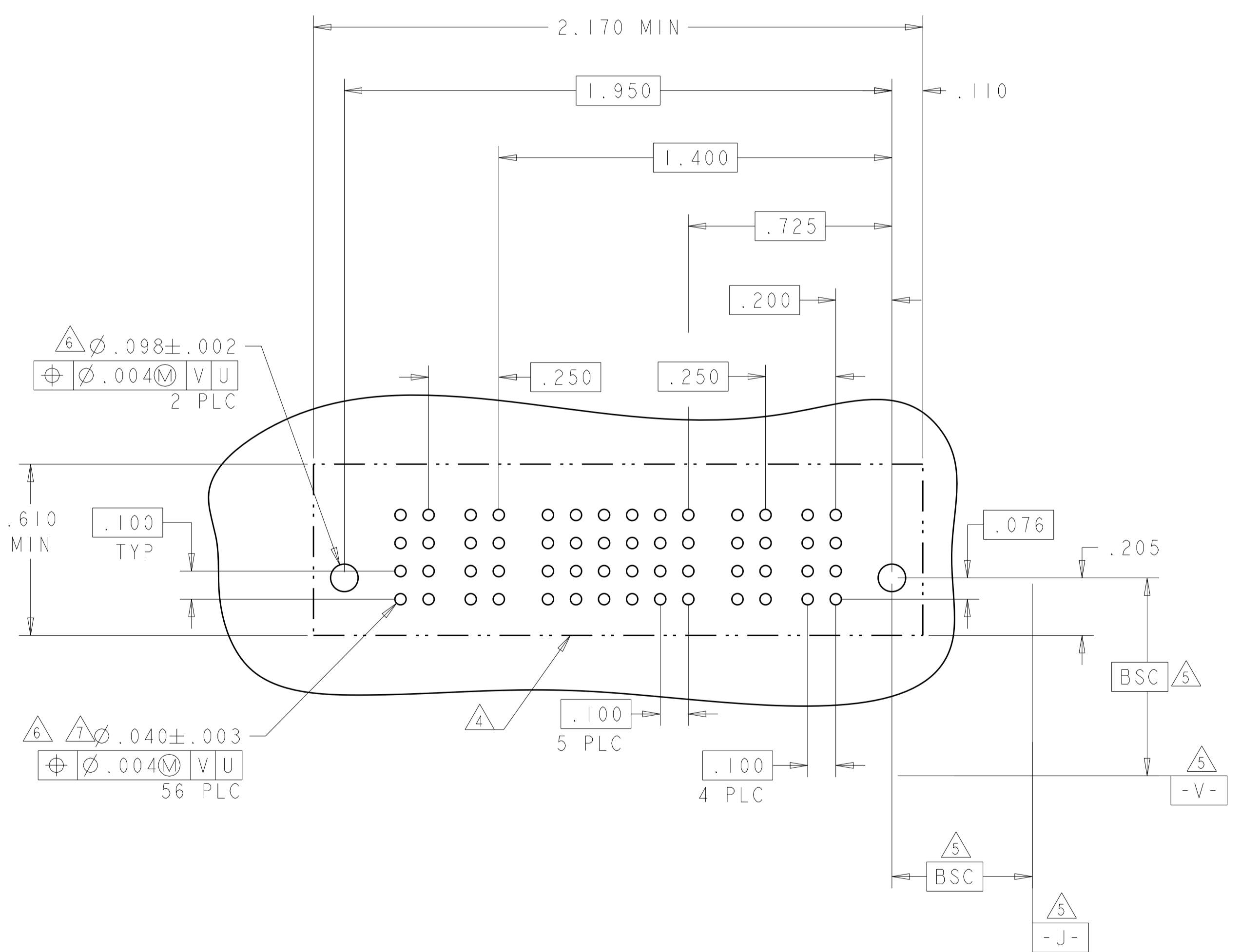


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: D. ZHU	20DEC2007	 TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	20DEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: S. ZHAO		NAME: VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
0 PLC ± .01		PRODUCT SPEC		SIZE: CAGE CODE DRAWING NO
1 PLC ± .01		APPLICATION SPEC		RESTRICTED TO
2 PLC ± .01		114-13251		A100779
3 PLC ± .005		WEIGHT		C=6450860
4 PLC ± .002		CUSTOMER DRAWING		SCALE N/A SHEET 13 OF 28 REV K2
ANGLES ± .0020				
FINISH				

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

PART NUMBER	ROWS	POWER		SIGNAL						POWER			
		P4	P3	6	5	4	3	2	1	P2	P1		
2-6450860-0	D	GS	GS	AP	AP	AP	AP	AP	AP	GS	GS		
	C			AP	AP	AP	AP	AP	AP				
	B			AP	AP	AP	AP	AP	AP				
	A			AP	AP	AP	AP	AP	AP				
2P + 24S + 2P													

PART NUMBER	ROWS	POWER				SIGNAL			POWER				
		P8	P7	P6	P5	3	2	1	P4	P3	P2	P1	
2-6450860-8	D	GS	GS	GS	GS	AP	AP	AP	GS	GS	GS	GS	
	C					AP	AP	AP					
	B					AP	AP	AP					
	A					AP	AP	AP					
4P + 12S + 4P													



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	DWN: D. ZHU CHK: S. ZHAO APVD: S. ZHAO	20DEC2007 20DEC2007	TE Connectivity VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
MATERIAL	FINISH	PRODUCT SPEC 108-2292	APPLICATION SPEC 114-13251	

SCALE: N/A SHEET 14 OF 28 REV: K2







LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	OWN	APVD
ES	00	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER		SIGNAL						POWER		
		P4	P3	6	5	4	3	2	1	P2	P1	
2-6450860-9	D	GS	GS	AP	AP	AP	AP	AP	AP	GS	GS	HD
	C			AP	AP	AP	AP	AP	AP			
	B			AP	AP	AP	AP	AP	AP			
	A			AP	AP	AP	AP	AP	AP			
2P + 24S + 2P												

PART NUMBER	ROWS	POWER			SIGNAL	POWER	
		P5	P4	P3	1	P2	P1
3-6450860-0	D	LSI	LSI	LSI	AP	LSI	LSI
	C				AP		
	B				AP		
	A				AP		
2LP + 4S + 3LP							



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020 FINISH	OWN: D. ZHU CHK: S. ZHAO APVD: S. ZHAO	20DEC2007 20DEC2007	 TE Connectivity	
MATERIAL		NAME: VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE	PRODUCT SPEC: 108-2292 APPLICATION SPEC: 114-13251 WEIGHT: -		
CUSTOMER DRAWING		SIZE: A1	CAGE CODE: 100779	DRAWING NO: 6450860	RESTRICTED TO: -
		SCALE: N/A	SHEET: 17	OF: 28	REV: K2

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

G4

PART NUMBER	ROWS	POWER				SIGNAL																POWER						
		P8	P7	P6	P5	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	P4	P3	P2	P1				
3-6450860-1	D	LSI	LSI	LSI	LSI	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI		
	C					AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI	
	B					AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI
	A					AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	LSI	LSI	LSI	LSI
4LP + 60S + 4LP																												

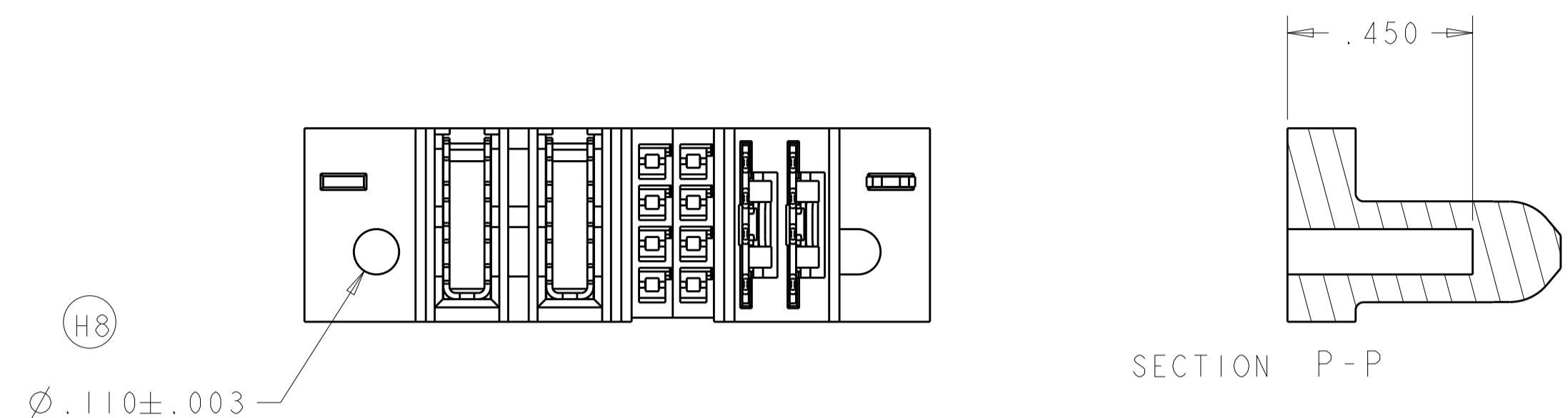


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: D. ZHU	20DEC2007	TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	20DEC2007	
DIMENSIONS: INCHES TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°		APVD: S. ZHAO	-	NAME: VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
MATERIAL: -		PRODUCT SPEC: 108-2292	APPLICATION SPEC: 114-13251	SIZE: A1
FINISH: -		WEIGHT: -	CAGE CODE: -	DRAWING NO: 6450860
CUSTOMER DRAWING		SCALE: N/A		SHEET 18 OF 28

LOC	DIST	REV	DATE	BY	APPV
ES	00				
SEE SHEET 1					



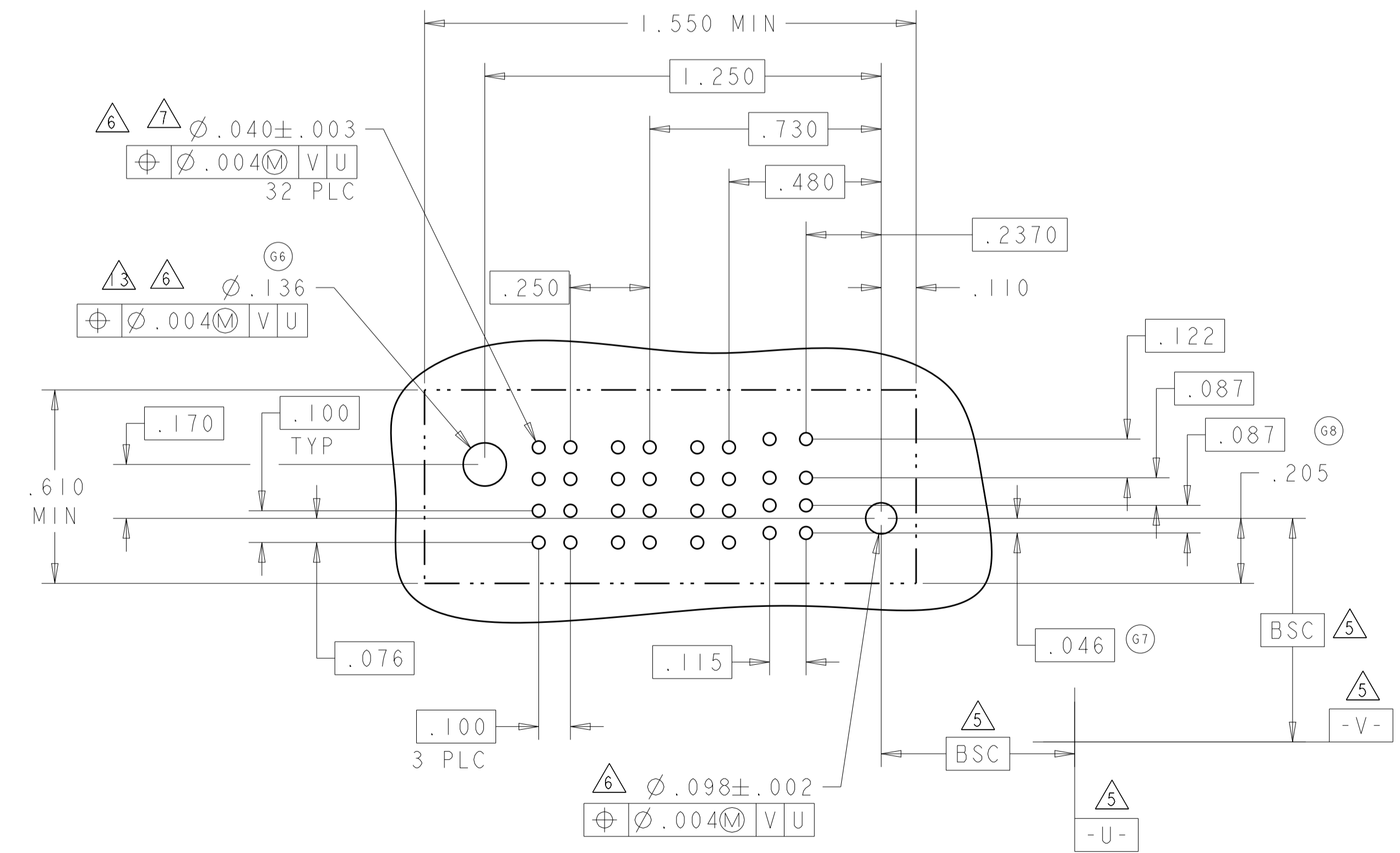
3-6450860-2



3-6450860-3

PART NUMBER	ROWS	POWER		SIGNAL				POWER	
		P4	P3	3	2	1	2	P2	P1
3-6450860-2	D C B A	GS	GS	AP	AP	AP	AP	GS	GS
		2P + 16S + 2P							

PART NUMBER	ROWS	POWER		SIGNAL		POWER	
		P4	P3	2	1	P2	P1
3-6450860-3	D C B A	GS	GS	AP	AP	LSI	LSI
		2LP + 8S + 2P					

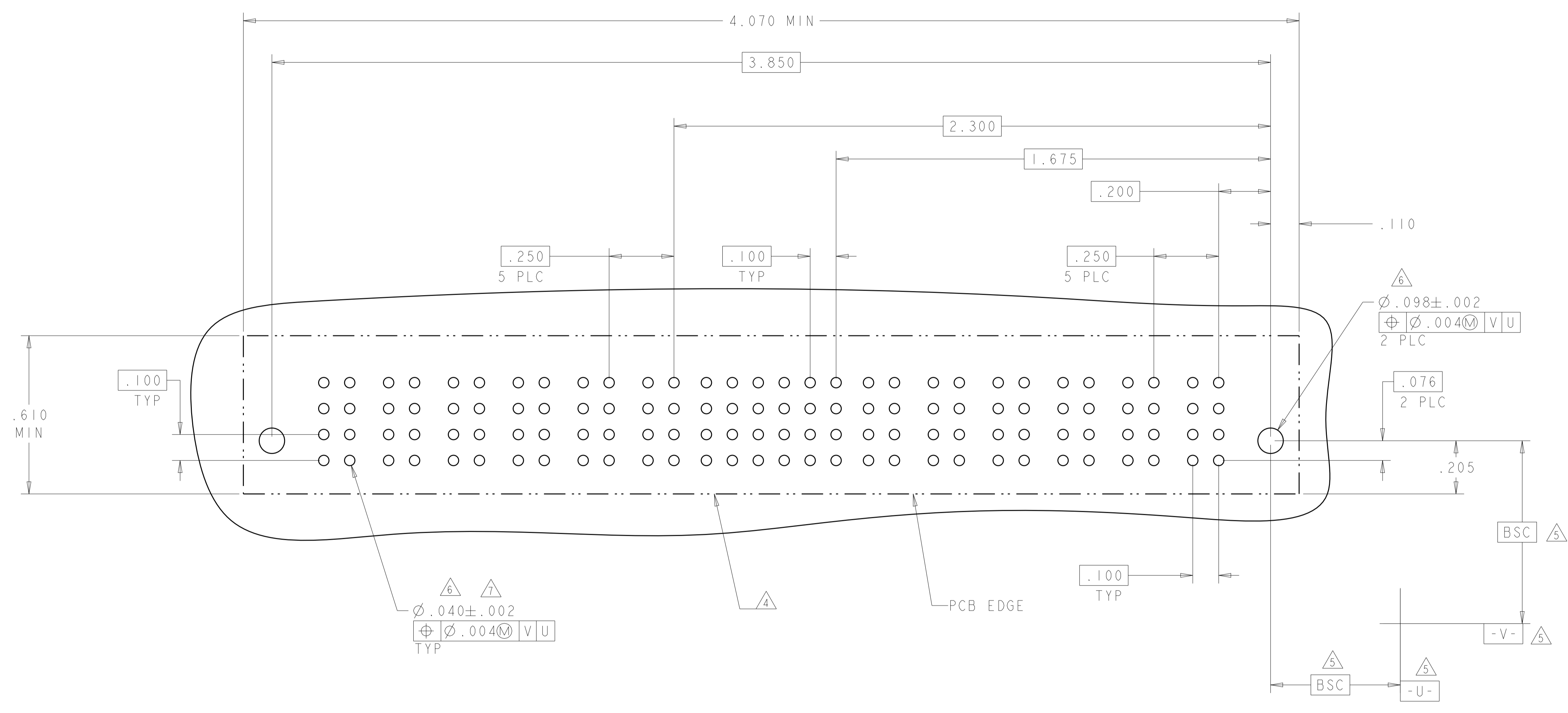


THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DRN: D. ZHU	20DEC2007	
INCHES	0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020	CHK: S. ZHAO	20DEC2007	
MATERIAL:	FINISH:	APVD: S. ZHAO	NAME:	VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
CUSTOMER DRAWING		PRODUCT SPEC: 108-2292	APPLICATION SPEC: 114-13251	SIZE: A1
		WEIGHT:	SCALE: N/A	SHEET 19 OF 28

LOC	DIST	REVISIONS			
ES	00	REV	DATE	BY	APPD
-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER						SIGNAL						POWER					
		P12	P11	P10	P9	P8	P7	6	5	4	3	2	1	P6	P5	P4	P3	P2	P1
3-6450860-5	D	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS	GS	GS
	AP							AP	AP	AP	AP	AP							
	AP							AP	AP	AP	AP	AP							
	AP							AP	AP	AP	AP	AP							
A	HD																		
6P + 24S + 6P																			



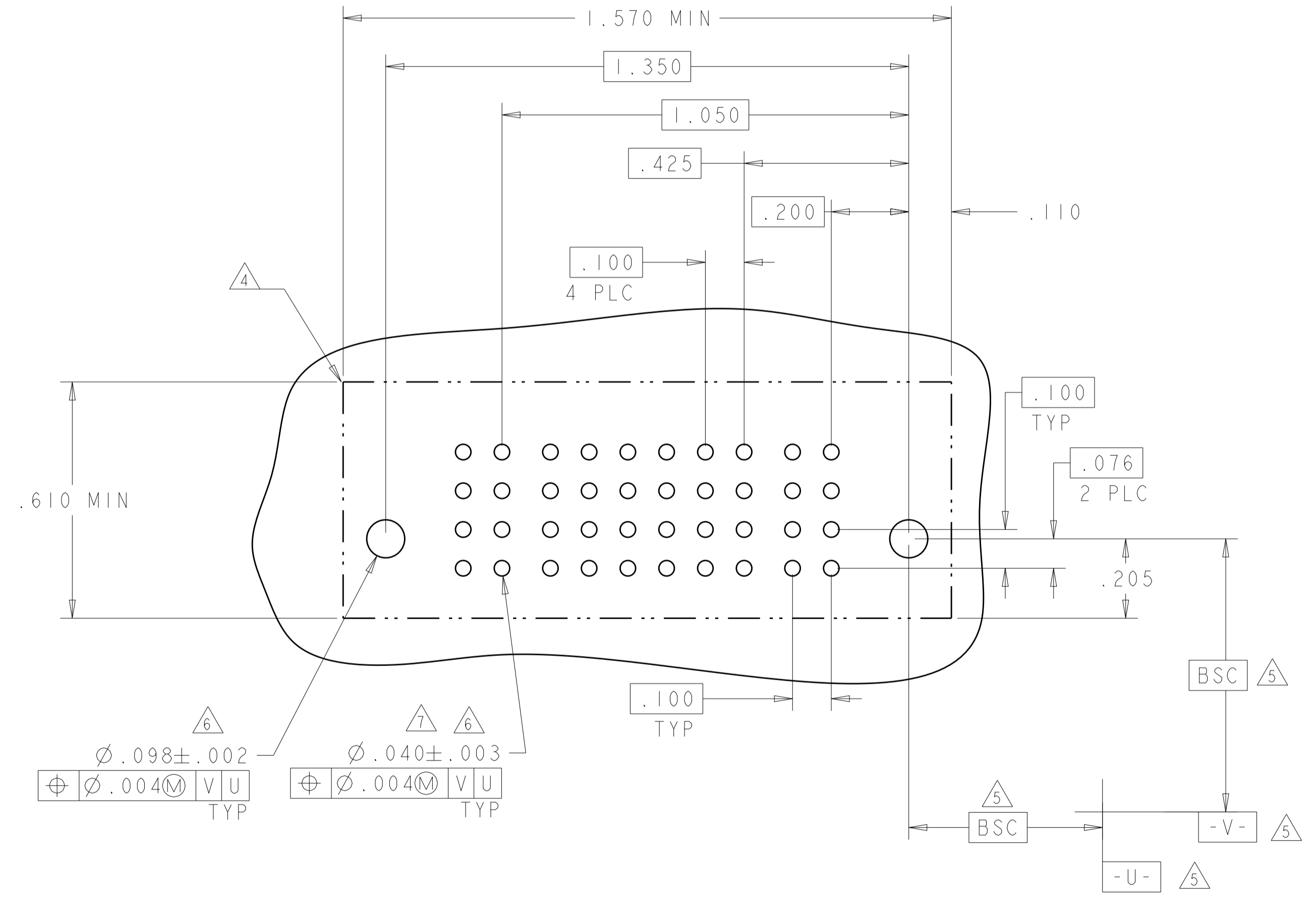
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: D. ZHU	ZODEC2007	TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	ZODEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°		APVD: S. ZHAO	-	NAME: VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
MATERIAL: -		FINISH: -	PRODUCT SPEC: 108-2292	APPLICATION SPEC: 114-13251
WEIGHT: -		SCALE: N/A	SHEET 20 OF 28	REV: K2
CUSTOMER DRAWING		SIZE: A100779		CAGE CODE: 6450860



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

PART NUMBER	ROWS		POWER			SIGNAL				POWER					
			PI	3	2	1	LP4	LP3	LP2	LP1					
3-6450860-9	D C B A	GS	AP	AP	AP										
			AP	AP	AP										
			AP	AP	AP										
			AP	AP	AP										
4LP + 12S + IP															

PART NUMBER	ROWS		POWER		SIGNAL						POWER			
			P2	P1	6	5	4	3	2	1	PI			
4-6450860-0	D C B A	GS	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP		
			AP	AP	AP	AP	AP	AP	AP	AP	AP	AP		
			AP	AP	AP	AP	AP	AP	AP	AP	AP	AP		
			AP	AP	AP	AP	AP	AP	AP	AP	AP	AP		
IP + 24S + IP														



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: D. ZHU	20DEC2007	TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	20DEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: S. ZHAO		NAME: VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
0 PLC ±.01		PRODUCT SPEC: 108-2292		SIZE: A
1 PLC ±.01		APPLICATION SPEC: 114-13251		CAGE CODE: 6450860
2 PLC ±.01		WEIGHT: -		SCALE: N/A
3 PLC ±.005		CUSTOMER DRAWING		SHEET 22 OF 28
4 PLC ±.002				REV: K2
ANGLES ±.020				
FINISH: -				



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



4-6450860-2

PART NUMBER	ROWS	POWER		SIGNAL		POWER	
		P4	P3	2	1	P2	P1
4-6450860-2	D C B A	GS	GP	AP	AP	LSI	LSI
2LP + 8S + 2P						HD	



RECOMMENDED PCB LAYOUT

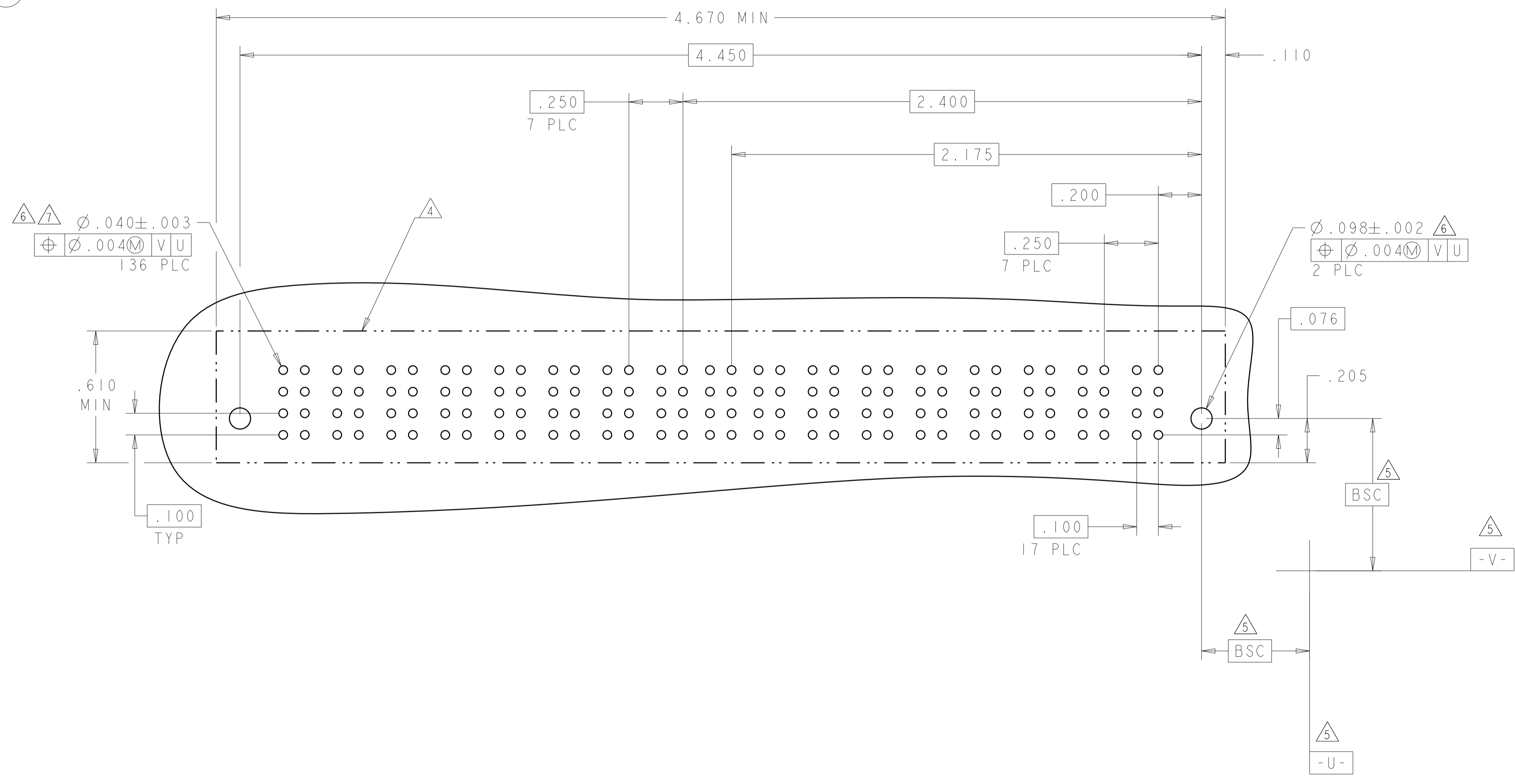
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. ZHU	20DEC2007	TE Connectivity NAME VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
DIMENSIONS: INCHES		CHK S. ZHAO	20DEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°		APVD S. ZHAO	PRODUCT SPEC 108-2292	SIZE A1
MATERIAL		FINISH	APPLICATION SPEC 114-13251	RESTRICTED TO CAGE CODE DRAWING NO 6450860
CUSTOMER DRAWING		SCALE N/A	WEIGHT	SHEET 24 OF 28



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

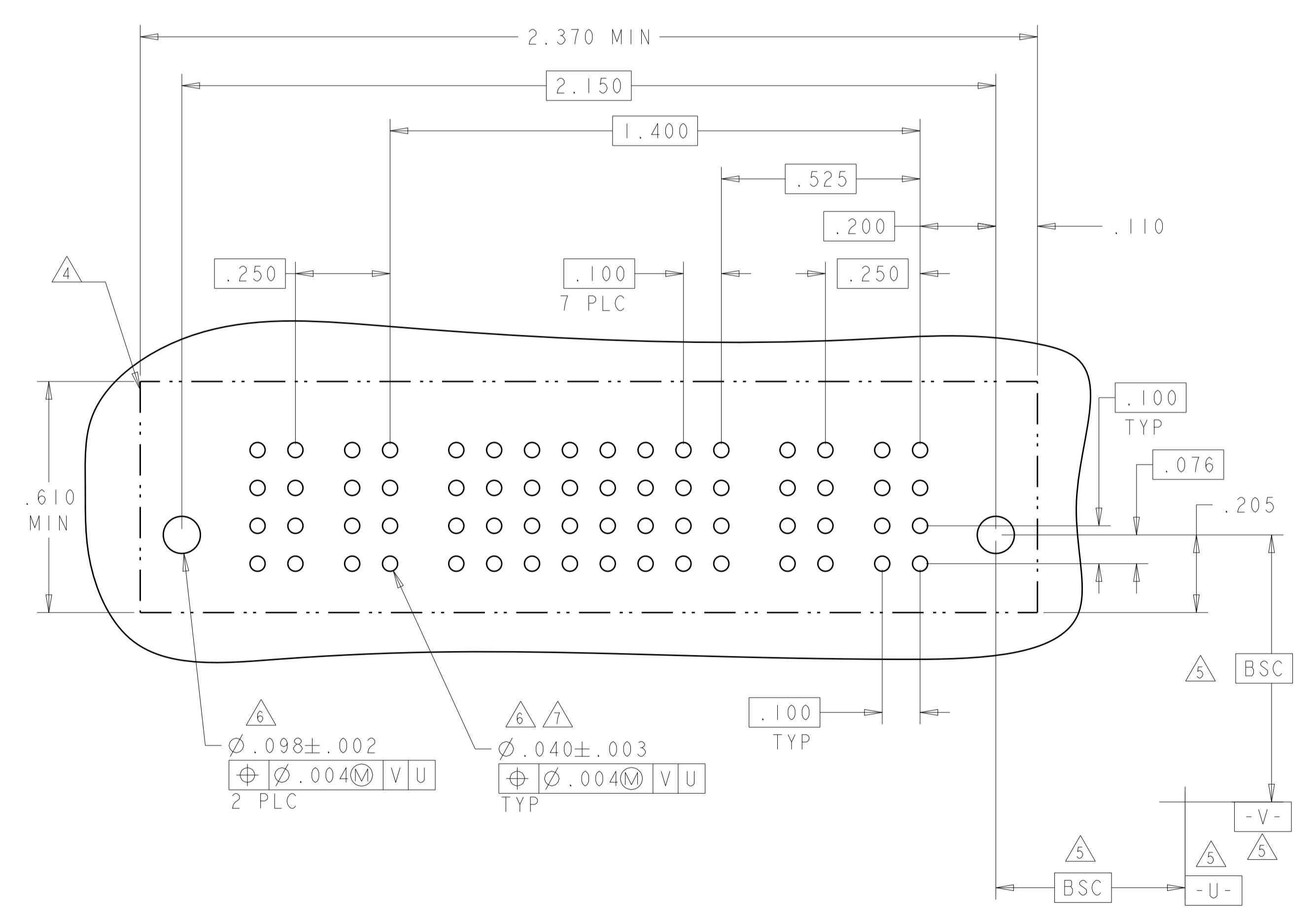
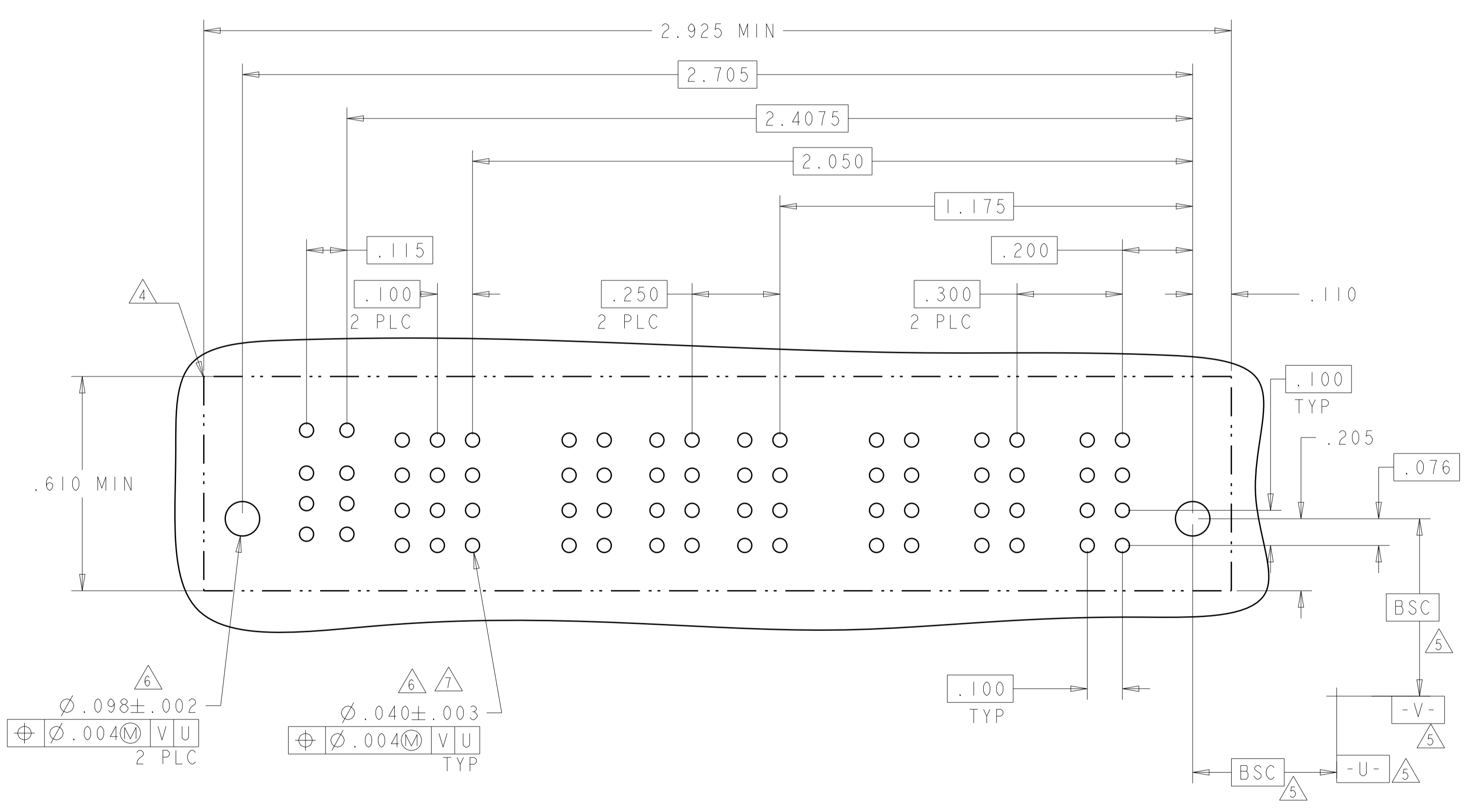
PART NUMBER	ROWS	POWER								SIGNAL		POWER							
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4-6450860-4	D C B A	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	GS	GS	GS	GS	GS	GS	GS	GS
8P + 8S + 8P																			

J2



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: D. ZHU	Z0DEC2007		TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	Z0DEC2007		VER RECEP ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: S. ZHAO		NAME	
0 PLC ±		PRODUCT SPEC		SIZE: CAGE CODE: DRAWING NO	
1 PLC ±.01		108-2292		A100779C=6450860	
2 PLC ±.01		APPLICATION SPEC		RESTRICTED TO	
3 PLC ±.005		114-13251		SCALE: N/A SHEET 25 OF 28 REV: K2	
4 PLC ±.0020		WEIGHT		CUSTOMER DRAWING	
ANGLES ±.2°		FINISH			

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



THIS DRAWING IS A CONTROLLED DOCUMENT.

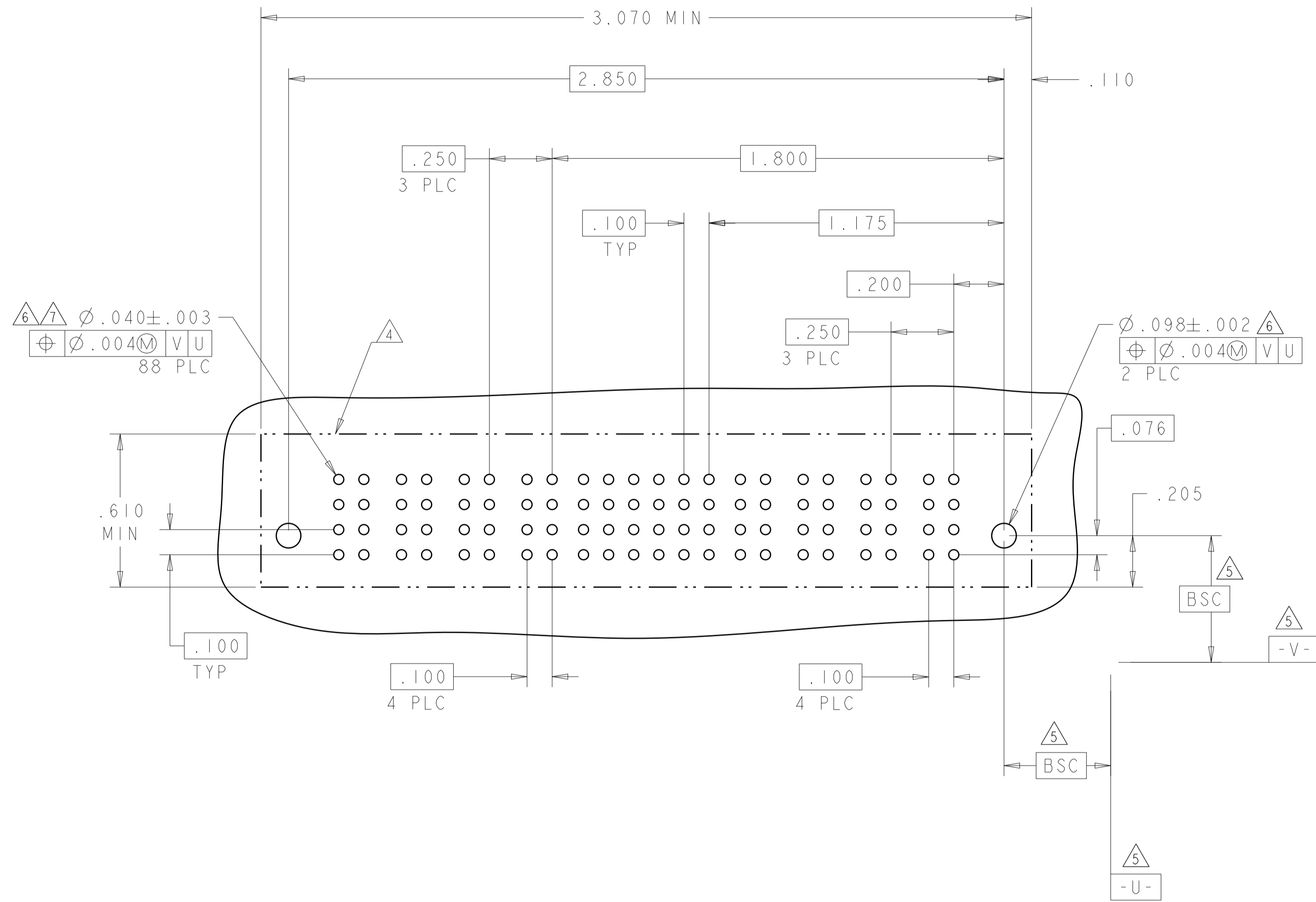
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN: D. ZHU	20DEC2007	TE Connectivity VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
INCHES	0 PLC ± .01	CHK: S. ZHAO	20DEC2007	
	1 PLC ± .01	APVD: S. ZHAO		
	2 PLC ± .01			
	3 PLC ± .005	PRODUCT SPEC	108-2292	SIZE: CAGE CODE DRAWING NO
	4 PLC ± .002	APPLICATION SPEC	114-13251	RESTRICTED TO
MATERIAL:	FINISH:	WEIGHT:		A100779C=6450860
				CUSTOMER DRAWING

SCALE: N/A SHEET 26 OF 28 REV: K2

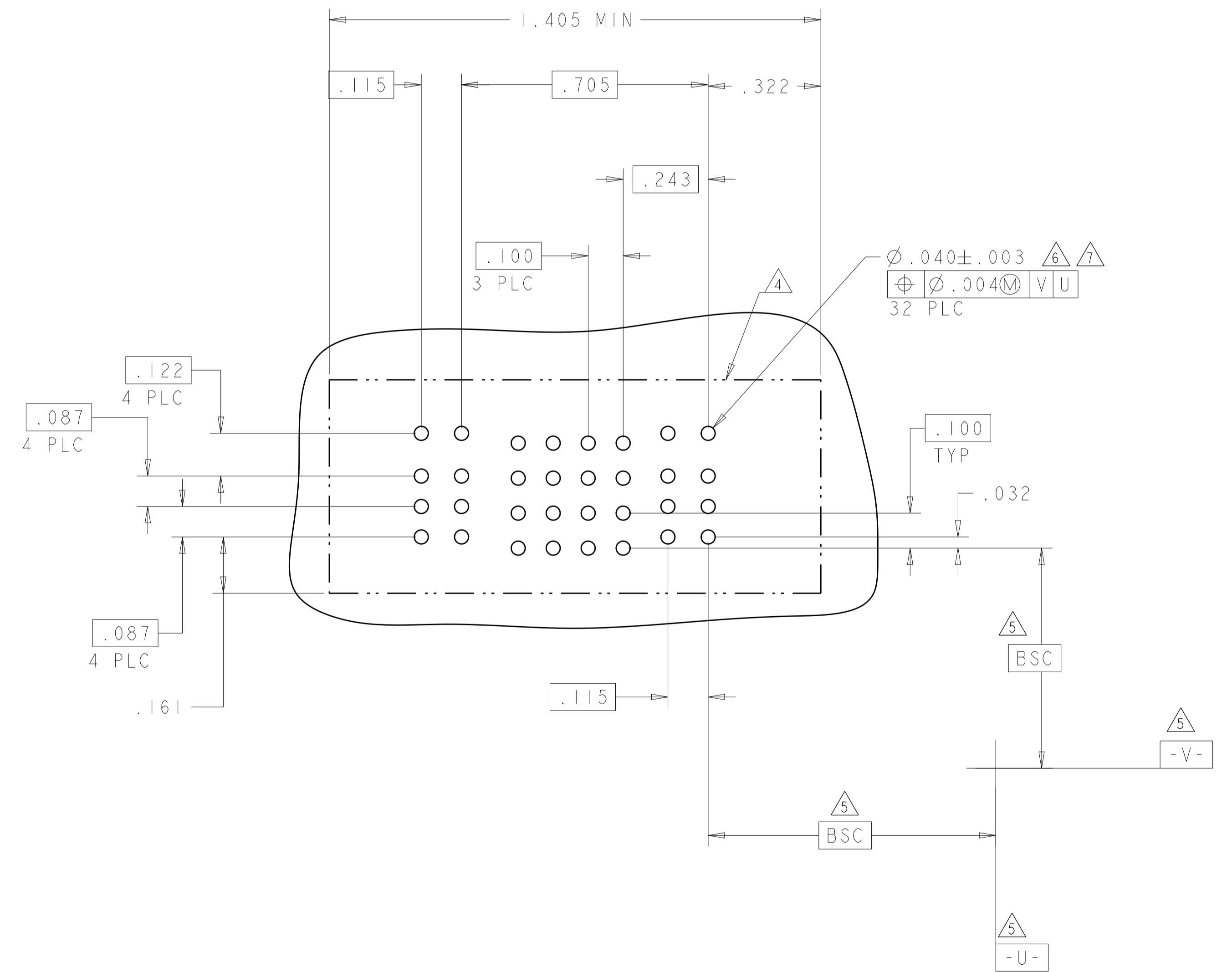
LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	OWN	APVD
-	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER				SIGNAL					POWER					
		P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
4-6450860-7	D	GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	GS	GS	GS	GS	
	C					AP	AP	AP	AP	AP						
	B					AP	AP	AP	AP	AP						
	A					AP	AP	AP	AP	AP						
4P + 24S + 4P		HD														HD

PART NUMBER	ROWS	LOW POWER		SIGNAL				LOW POWER	
		P4	P3	4	3	2	1	P2	P1
4-6450860-8	D	LS1	LS1	AP	AP	AP	AP	LS1	LS1
	C			AP	AP	AP	AP		
	B			AP	AP	AP	AP		
	A			AP	AP	AP	AP		
2LP + 16S + 2LP									



J9



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: D. ZHU	20DEC2007	TE Connectivity
DIMENSIONS: INCHES		CHK: S. ZHAO	20DEC2007	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: S. ZHAO		NAME: VER RECEPT ASSEMBLY SHORT GUIDES, PRESS FIT MULTI-BEAM XLE
0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020 FINISH		PRODUCT SPEC: 108-2292	APPLICATION SPEC: 114-13251	SIZE: A1
MATERIAL: -		WEIGHT: -	CAGE CODE: 6450860	RESTRICTED TO: -
CUSTOMER DRAWING		SCALE: N/A	SHEET: 27 OF 28	REV: K2



Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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