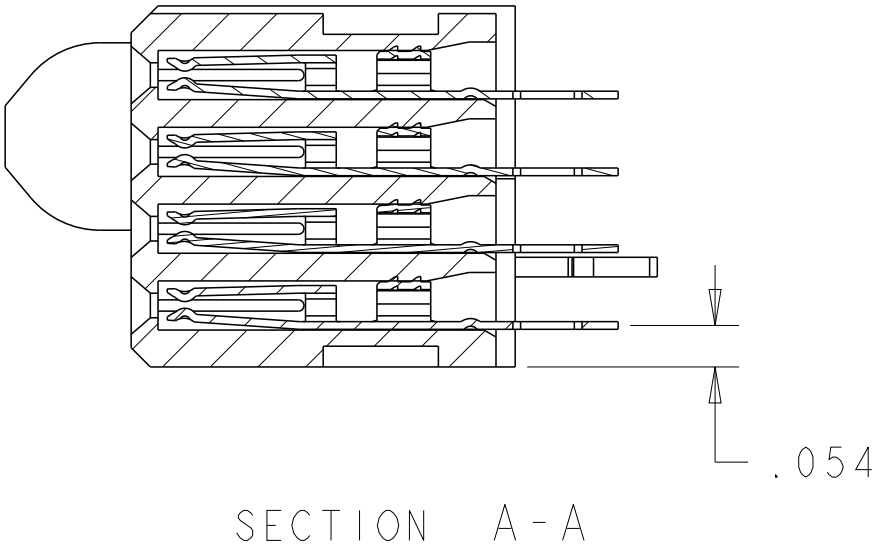
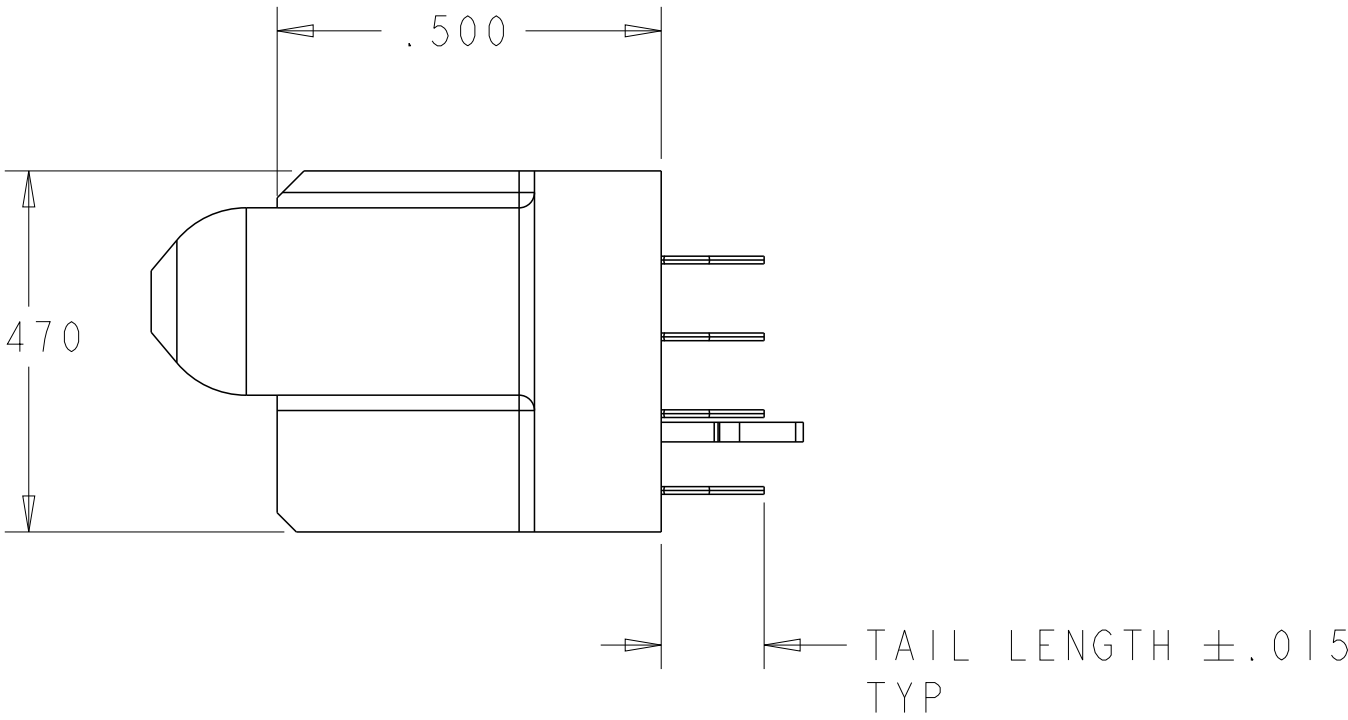
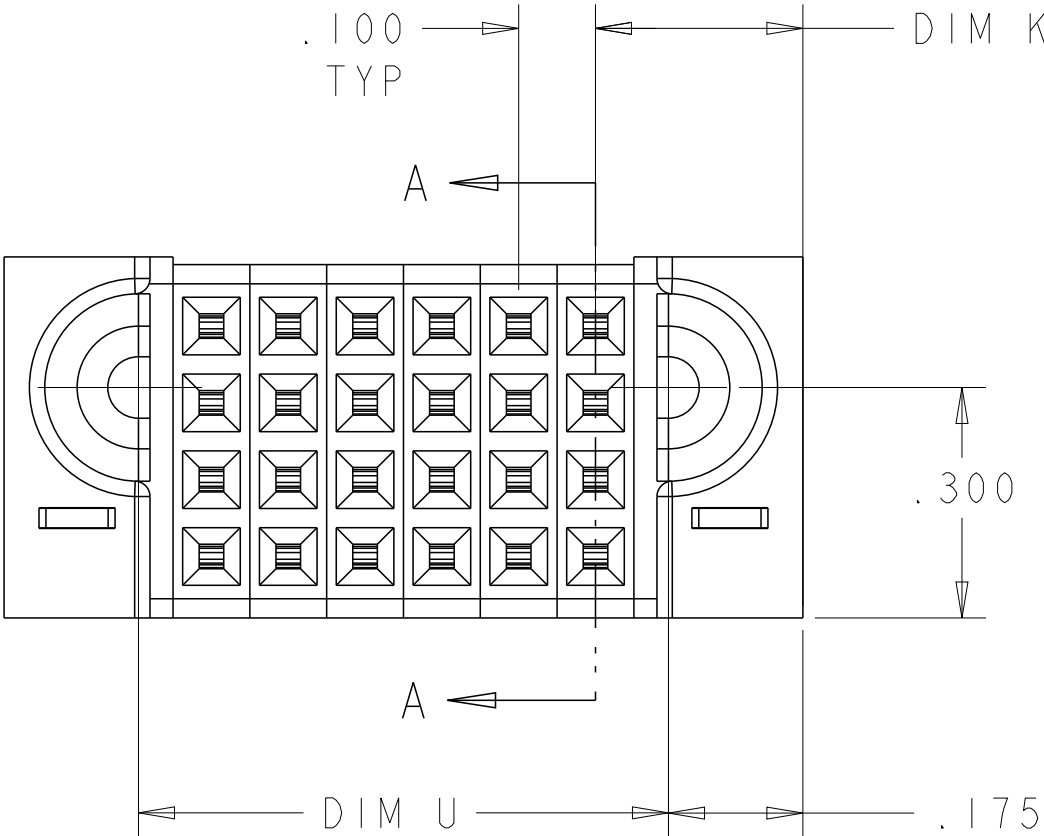
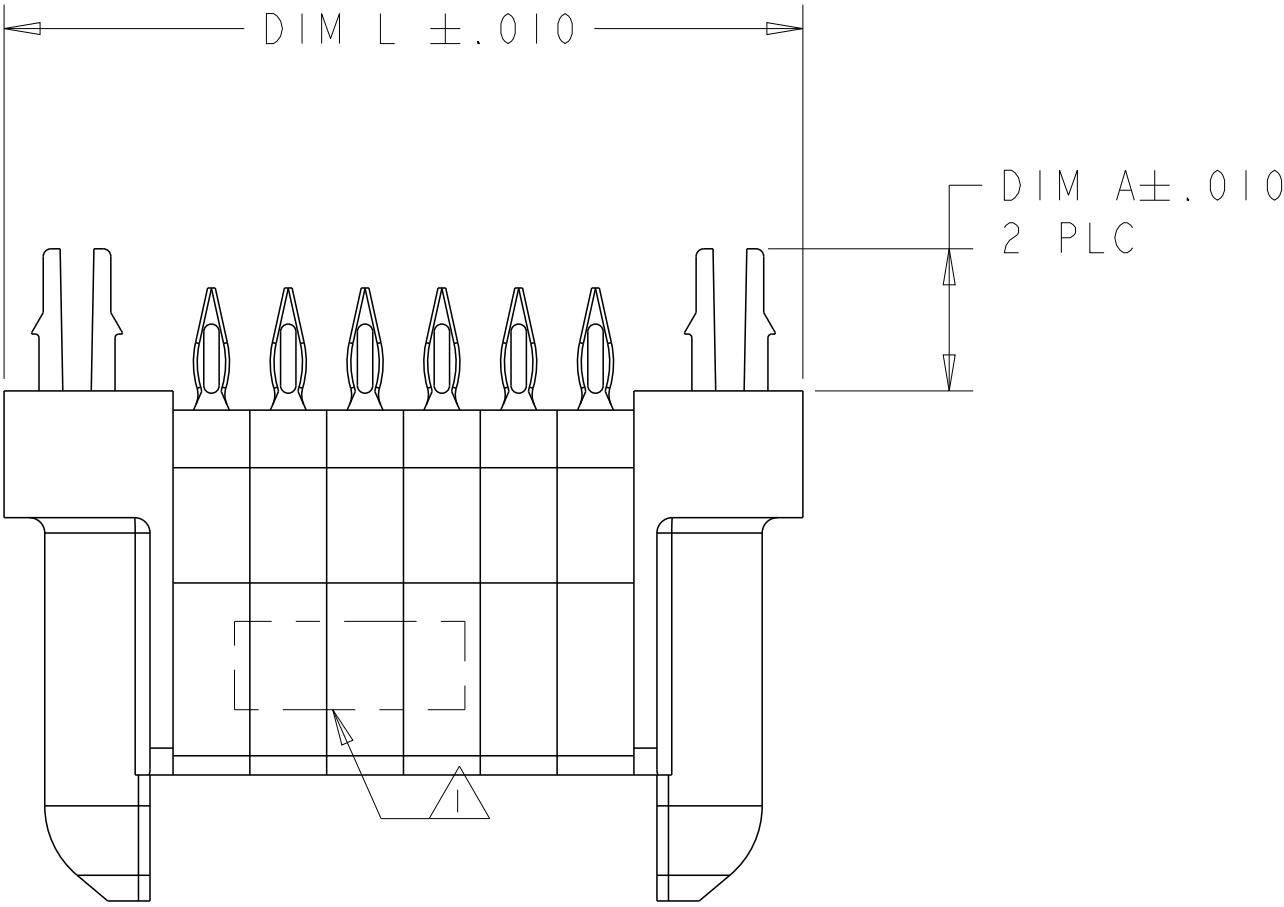
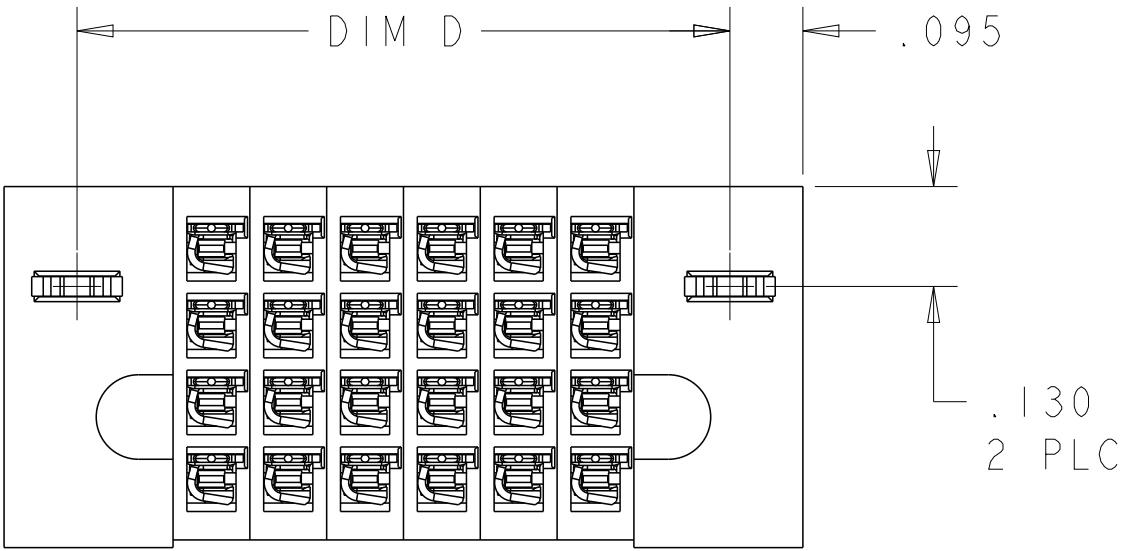


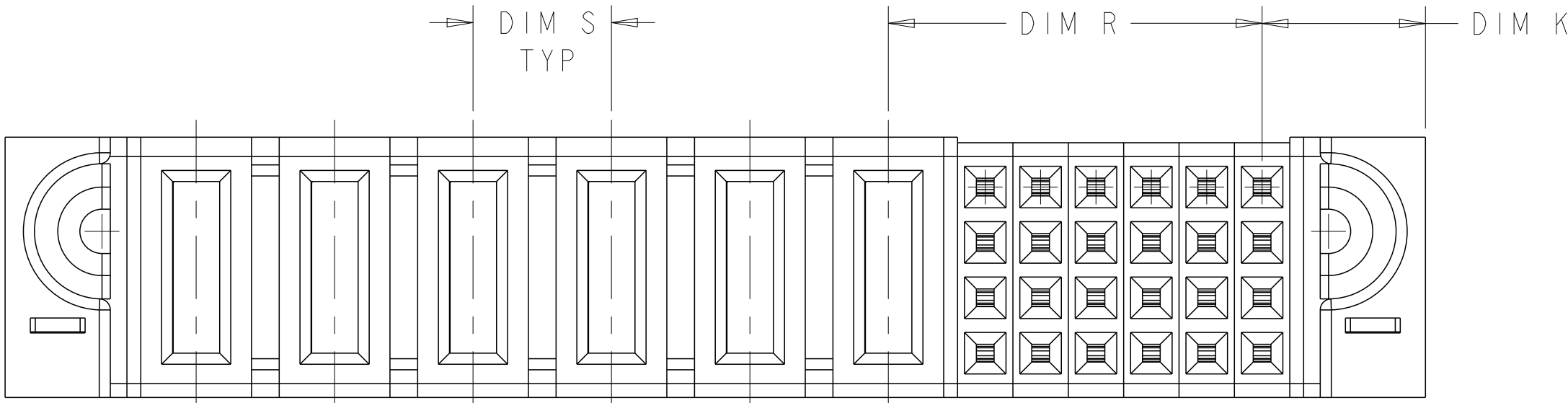
LOC		DIST		REVISIONS					
ES	00	P	LTR	DESCRIPTION	DATE	DWN	APVD		
		G5		ADD NEW DASH NUMBER 1-8	11AUG2014	AL	SZ		
		G6		ADD NEW DASH NUMBER 2-1	08APR2015	CZ	SZ		
		G7		REVISED AS PER ECR-25-235618	27MAY2026	PK	VNB		



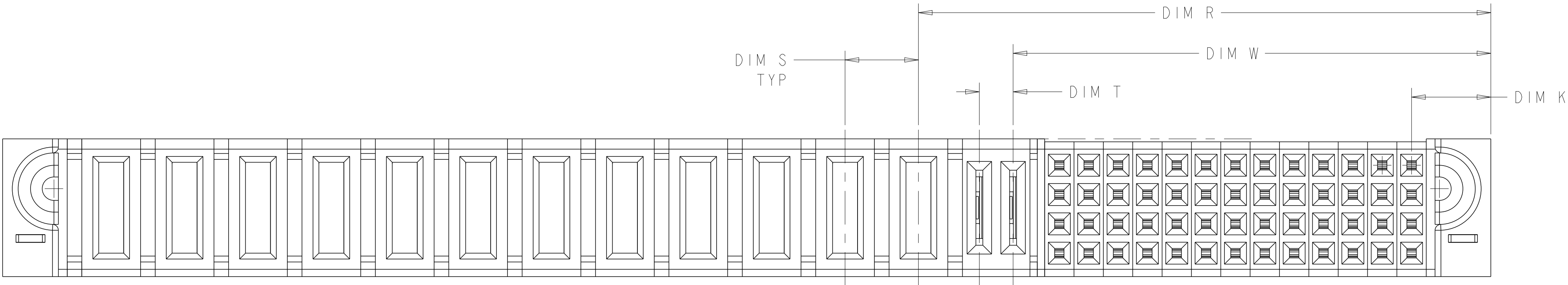
- 1 "AMP", PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN
PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES
- 2 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-O
SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
- 3 CONTACT PLATING: 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 - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES
- 7 PCB - 0.0453 ±.0010 DRILLLED HOLES PLATED WITH .0003 MIN Sn
OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 ±.0030 HOLE
- 8 FOR "S+P" CONFIGURATION ,VARIABLE DIMENSIONS PLEASE REFER TO SHEET 2
- 9 FOR "S+LP+P" CONFIGURATION ,VARIABLE DIMENSIONS PLEASE REFER TO SHEET 2
- 10 VARIABLE DIMENSION REFER TO THE DIMENSION ON CORRRESPONDING MODEL UNDER THE PCB

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN	C.ZHOU	20JUN2012	 TE Connectivity			
				CHK	S.ZHAO	20JUN2012				
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	-	NAME	VERTICAL RECEPTACL ASSEMBLY WITH SHORT GUIDE,PRESS FIT MULTI-BEAM XLE			
INCHES				PRODUCT SPEC						
		1 P.LC ±.1		108-2292						
		2 P.LC ±.1		APPLICATION SPEC						
		3 P.LC ±.005		114-13251		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
		4 P.LC ±.0020		WEIGHT		A1	00779	6450861	-	
MATERIAL		FINISH		Customer Drawing		SCALE		7:2	SHEET 1 OF 11	REV G7

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



⚠ FOR "S + P" CONFIGURATION
UNSPECIFIED DIMENSIONS REFER TO SHEET 1.



⚠ FOR "S + LP + P" CONFIGURATION
UNSPECIFIED DIMENSIONS REFER TO SHEET 1.

OBSOLETE	.185	-	-	-	-	1.340	.990	1.150	.320	32S	2-6450861-1
	.185	-	-	-	-	1.640	1.290	1.450	.270	48S	1-6450861-8
	.128	-	-	⚠	.475 ⚠	1.990	1.640	1.800	.270	16S + 4P	1-6450861-7
	.185	-	-	-	-	.840	.490	.650	.270	16S	1-6450861-6
	.185	-	-	.200 ⚠	.675 ⚠	1.865	1.515	1.675	.270	24S + 4P	1-6450861-5
	.185	-	-	-	-	2.140	1.790	1.950	.320	64S	1-6450861-4
	.185	-	-	.250 ⚠	.475 ⚠	3.840	3.490	3.650	.295	16S + 12P	1-6450861-3
	.185	-	-	.300 ⚠	.875 ⚠	2.465	2.115	2.275	.320	32S + 4ACP	1-6450861-2
	.185	-	-	.250 ⚠	.475 ⚠	3.340	2.990	3.150	.295	16S + 10P	1-6450861-1
	.185	-	-	.250 ⚠	.675 ⚠	2.040	1.690	1.850	.270	24S + 4P	6450861-9
	.185	-	-	.250 ⚠	.475 ⚠	1.440	1.090	1.250	.320	16S + 2P	6450861-8
	.185	.115 ⚠	1.6275 ⚠	.250 ⚠	1.950 ⚠	5.070	4.720	4.880	.270	52S + 2LP + 12P	6450861-6
	.185	-	-	.250 ⚠	.675 ⚠	3.065	2.715	2.875	.295	24S + 8P	6450861-5
	.185	-	-	.250 ⚠	.675 ⚠	2.565	2.215	2.375	.295	24S + 6P	6450861-4
	.185	-	-	.250 ⚠	.675 ⚠	2.565	2.215	2.375	.295	24S + 6P	6450861-3
	.185	-	-	-	-	2.240	1.890	2.050	.270	72S	6450861-2
	.185	-	-	-	-	1.040	.690	.850	.270	24S	6450861-1
	DIM A	DIM T	DIM W	DIM S	DIM R	DIM L	DIM U	DIM D	DIM K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
INCHES

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DWN
C. ZHOU
20JUN2012

CHK
S. ZHAO
20JUN2012

APVD
-

PRODUCT SPEC
108-2292

APPLICATION SPEC
114-13251

WEIGHT
-

Customer Drawing

NAME
VERTICAL RECEPTACL ASSEMBLY
WITH SHORT GUIDE,PRESS FIT
MULTI-BEAM XLE

SIZE
A1

CAGE CODE
00779

DRAWING NO
6450861

RESTRICTED TO
-

SCALE
7:2

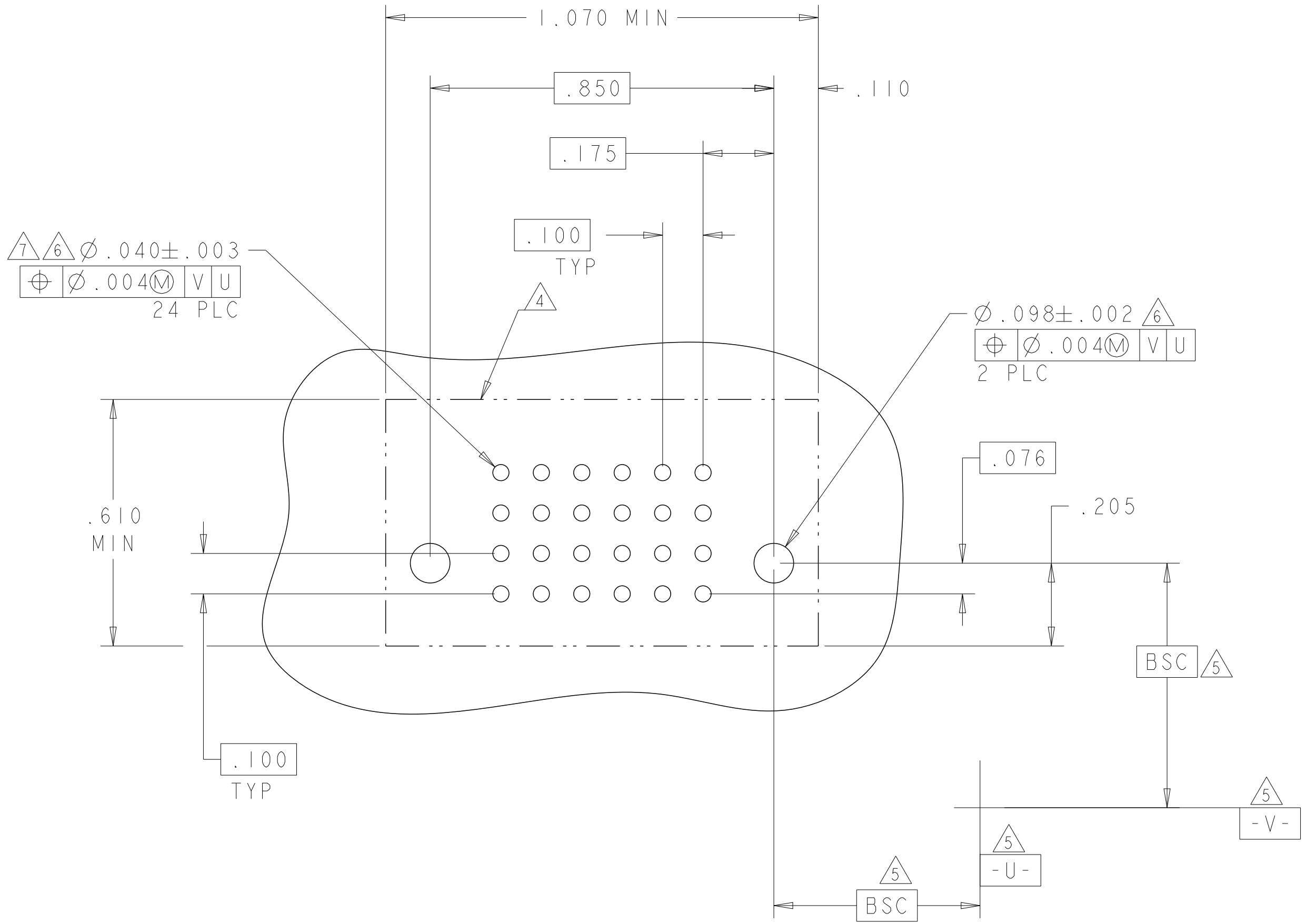
SHEET
2

OF
11

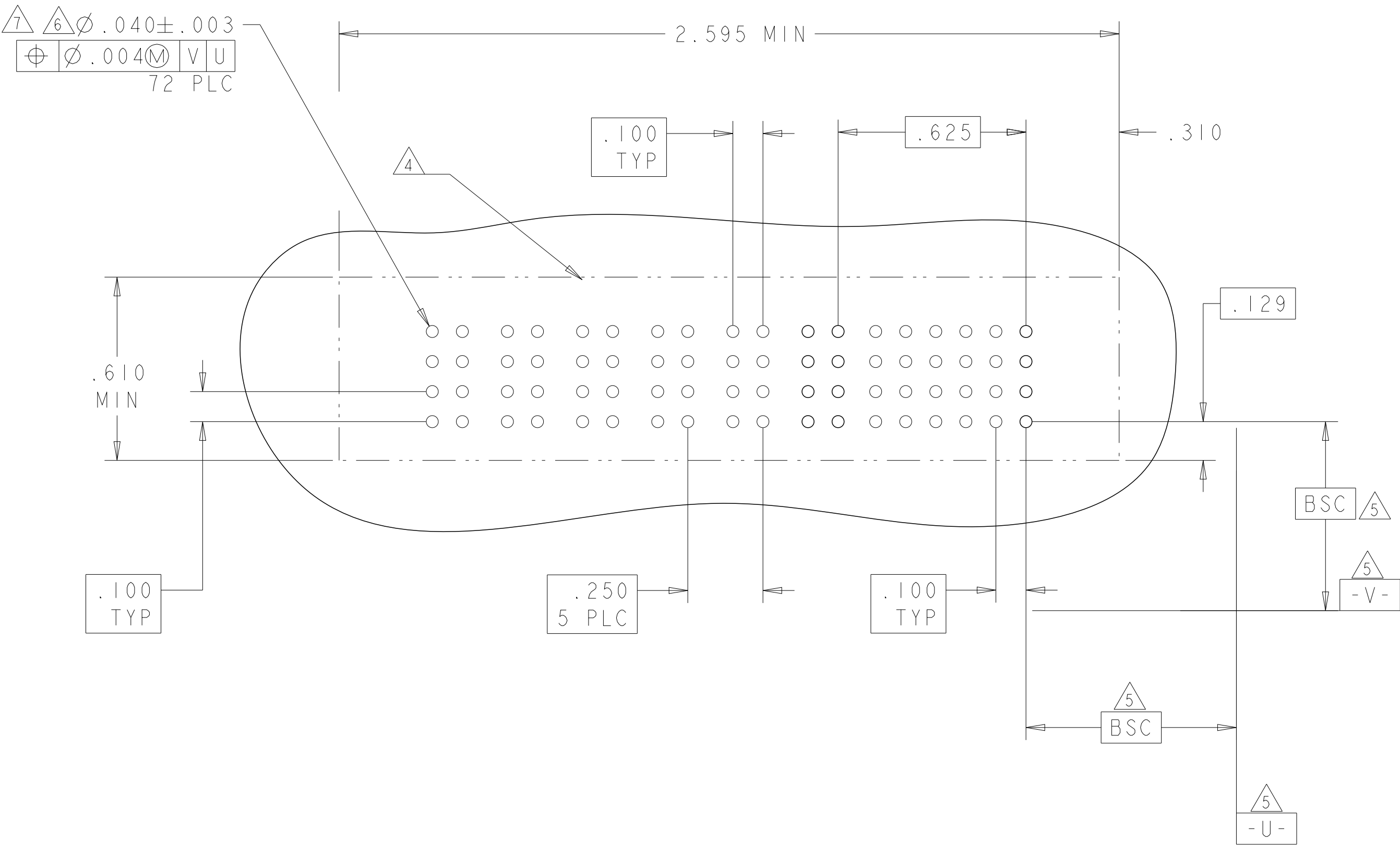
REV
G7

TE Connectivity

PART NUMBER	ROWS		SIGNAL						
			6	5	4	3	2	1	
6450861-1	D C B A		AP	AP	AP	AP	AP	AP	
			AP	AP	AP	AP	AP	AP	
			AP	AP	AP	AP	AP	AP	
			AP	AP	AP	AP	AP	AP	
24S									

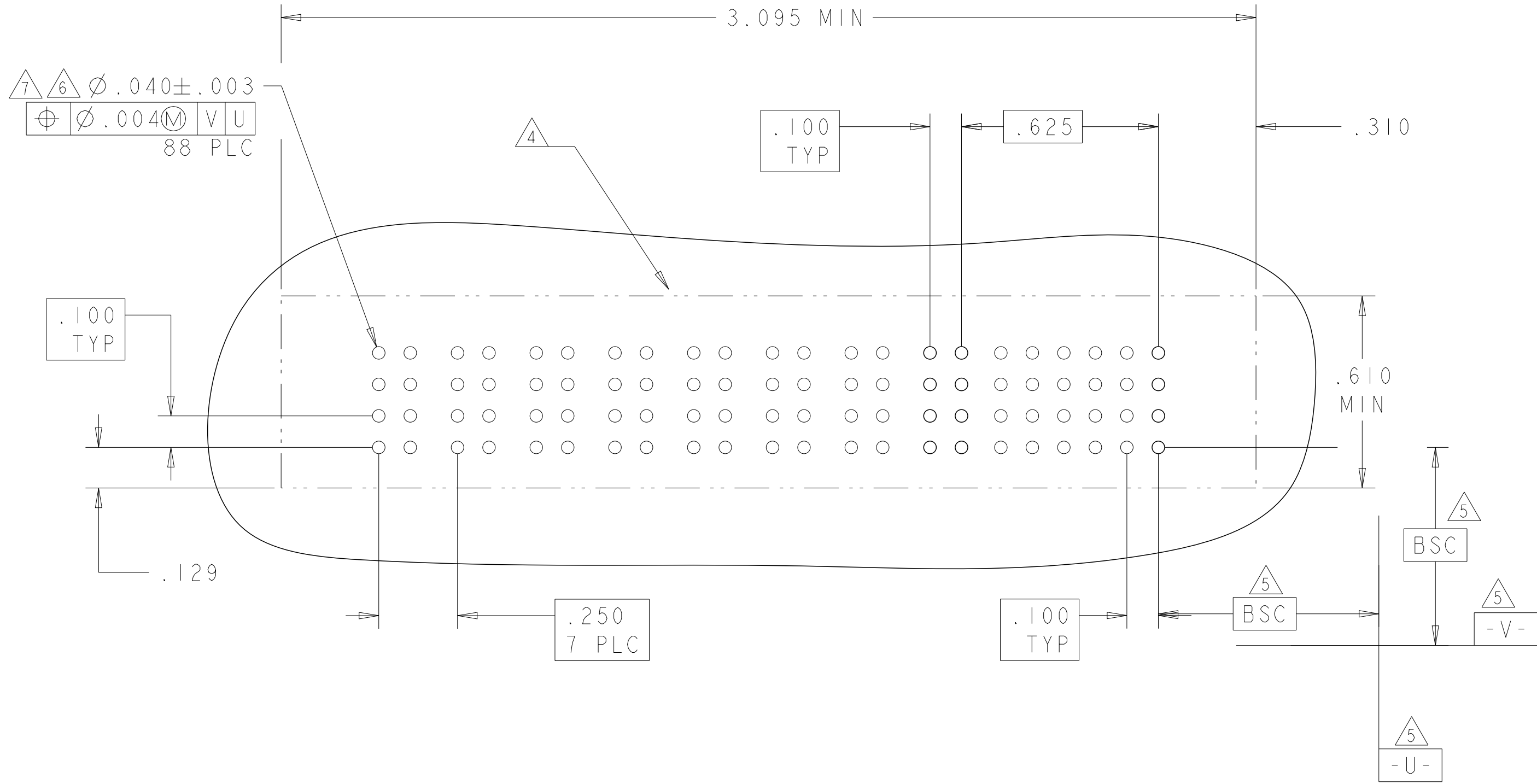


THIS DRAWING IS A CONTROLLED DOCUMENT.						DWN	20JUN2012										
DIMENSIONS: INCHES						C_ZHOU	20JUN2012				TE Connectivity						
						S_ZHAO											
TOLERANCES UNLESS OTHERWISE SPECIFIED:						APVD	-	NAME	VERTICAL RECEPTACLE ASSEMBLY WITH SHORT GUIDE, PRESS FIT MULTI-BEAM XLE								
 0 PLC ±. 1 PLC ±. 2 PLC ±. 3 PLC ±.005 4 PLC ±.0020 ANGLES ±° FINISH						PRODUCT SPEC		SIZE									
						108-2292											
MATERIAL						APPLICATION SPEC		CAGE CODE		DRAWING NO		RESTRICTED TO					
						114-13251		A1		00779			C=6450861				
WEIGHT						-		Customer Drawing		SCALE	1:1	SHEET	3	OF	11	REV	G7

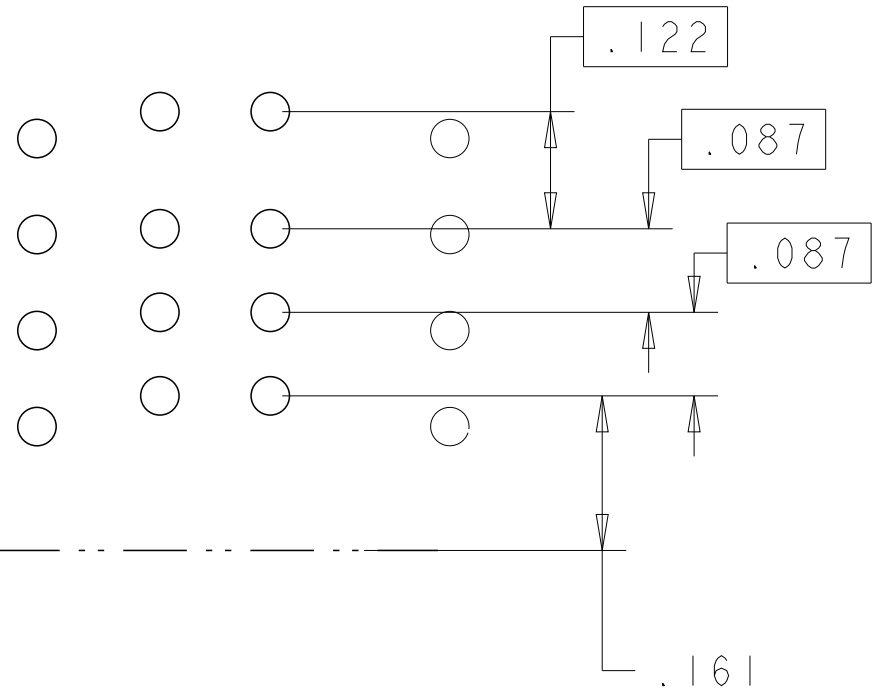
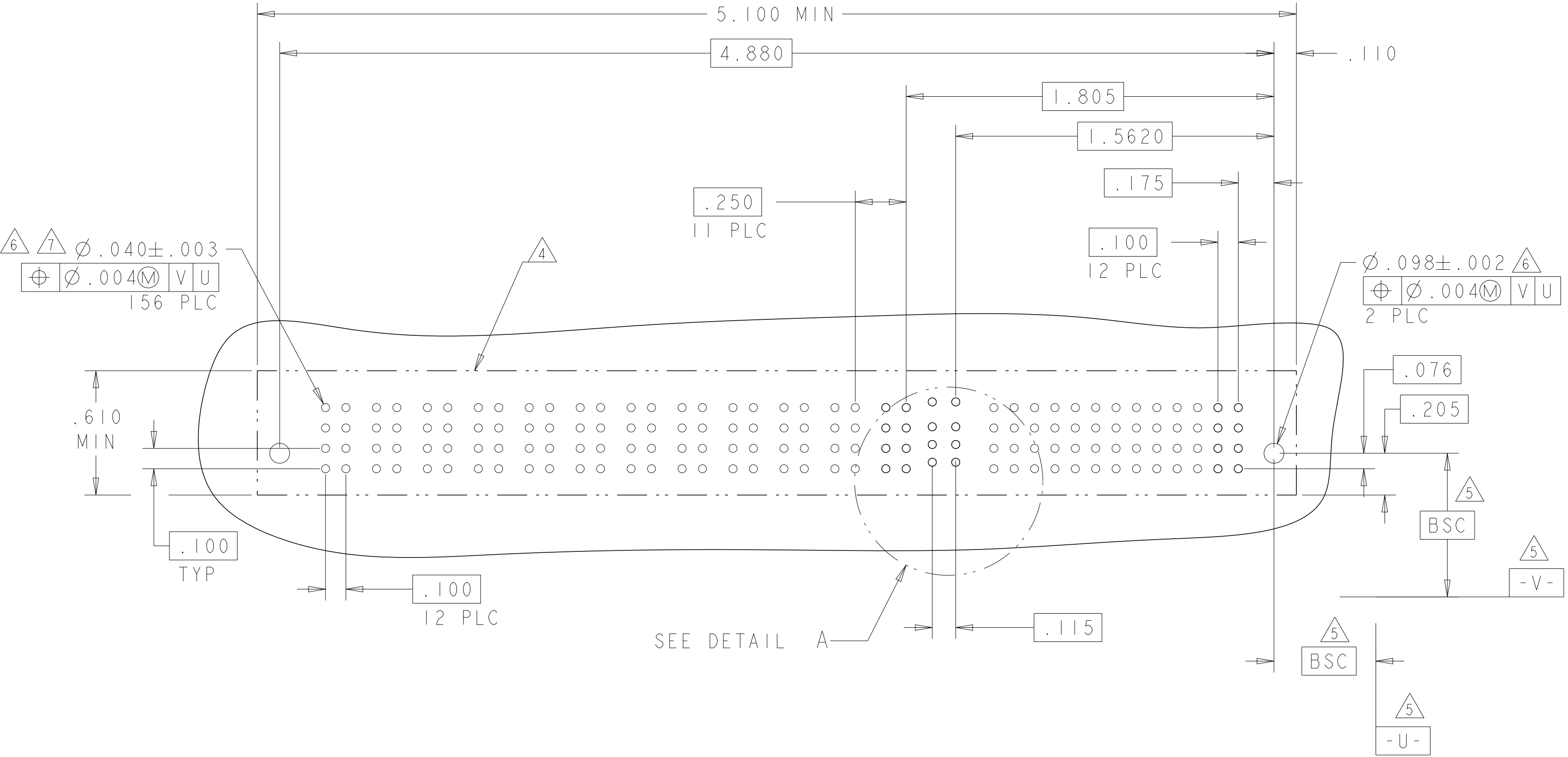
[illegible]

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

PART NUMBER	ROWS		POWER								SIGNAL							
			P8	P7	P6	P5	P4	P3	P2	P1	6	5	4	3	2	1		
6450861-5	D C B A										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
24S + 8P																		



PART NUMBER	ROWS		POWER																SIGNAL												
			PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	PI	LP2	LPI	13	12	11	10	9	8	7	6	5	4	3	2	1		
6450861-6	D C B A		GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	LSI	LSI	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	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP		
52S + 2LP + 12P																															

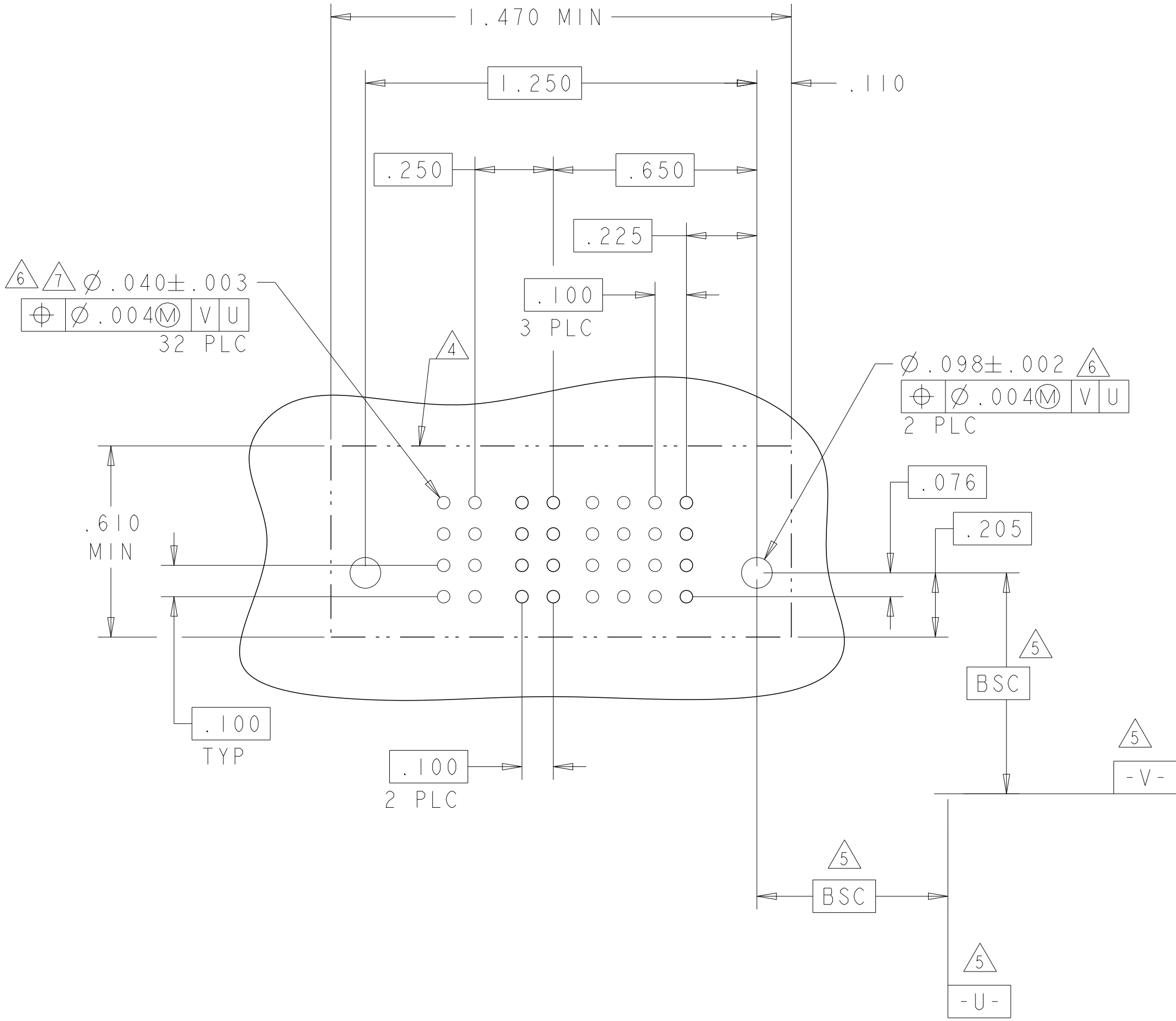


DETAIL A
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. ZHOU 20JUN2012			NAME VERTICAL RECEPTACL ASSEMBLY WITH SHORT GUIDE,PRESS FIT MULTI-BEAM XLE		RESTRICTED TO -	
DIMENSIONS: INCHES		CHK S. ZHAO 20JUN2012						
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	PRODUCT SPEC 108-2292		SIZE A1		CAGE CODE 100779	
0 PLC 1 PLC 2 PLC 3 PLC 4 PLC ANGLES FINISH		±" ±" ±" ±.005 ±.0020 #2° -	APPLICATION SPEC 114-13251		DRAWING NO 6450861		REV G7	
MATERIAL -		WEIGHT -	Customer Drawing		SCALE 7:2		SHEET 5 OF 11	

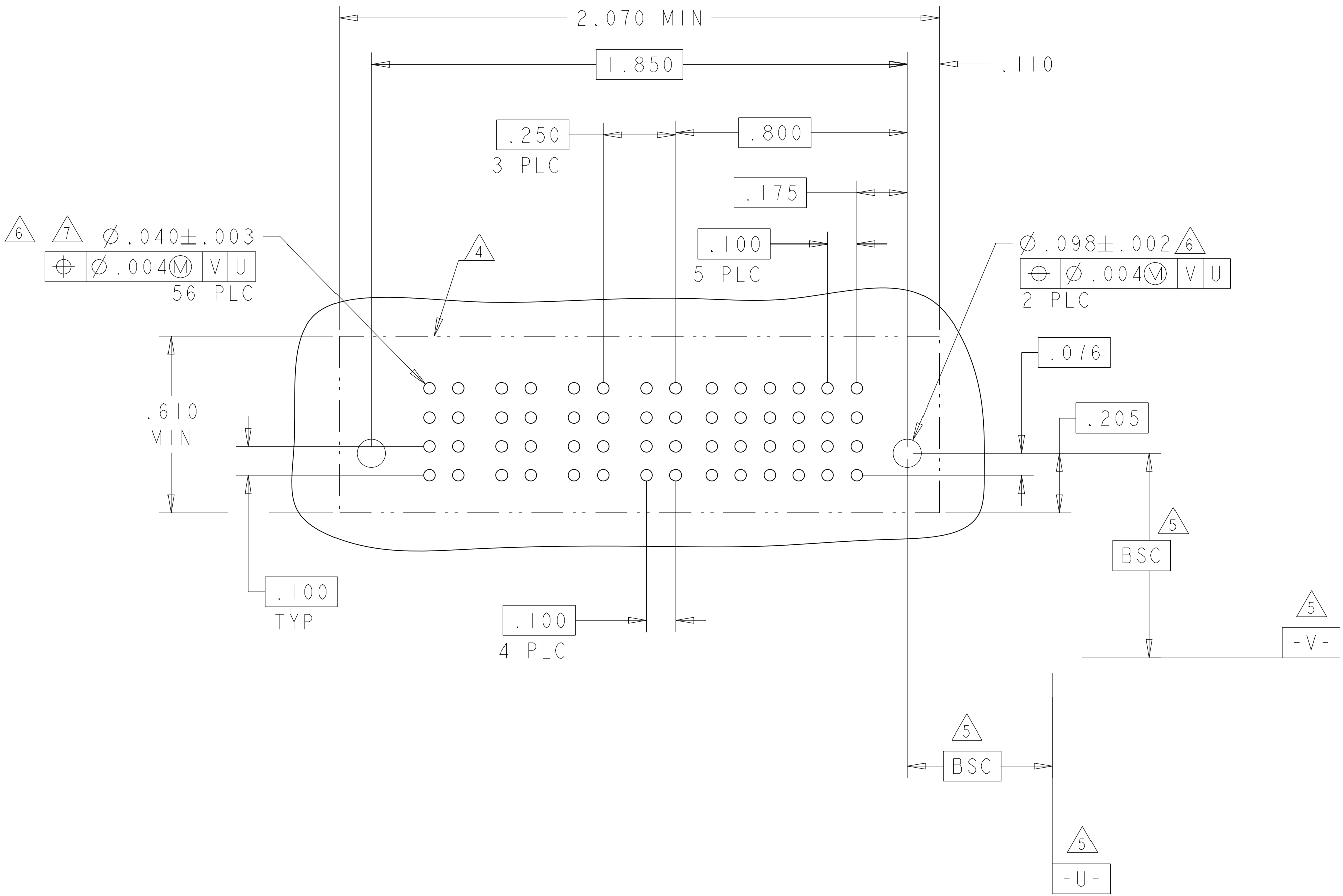
LOC		DIST		REVISIONS					
P	LYR	DESCRIPTION				DATE	DWN	APVD	
-	-	SEE SHEET 1				-	-	-	

PART NUMBER	ROWS		POWER`		SIGNAL				
			P2	PI	4	3	2	1	
6450861-8	D C B A	HD	GS	GS	AP	AP	AP	AP	HD
					AP	AP	AP	AP	
					AP	AP	AP	AP	
					AP	AP	AP	AP	
16S + 2P									

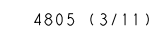


PART NUMBER	ROWS		POWER				SIGNAL						
			P4	P3	P2	P1	6	5	4	3	2	1	
6450861-9	D C B A		GP	GP	GP	GP	AP	AP	AP	AP	AP	AP	
							AP	AP	AP	AP	AP	AP	
							AP	AP	AP	AP	AP	AP	
							AP	AP	AP	AP	AP	AP	
24S + 4P													

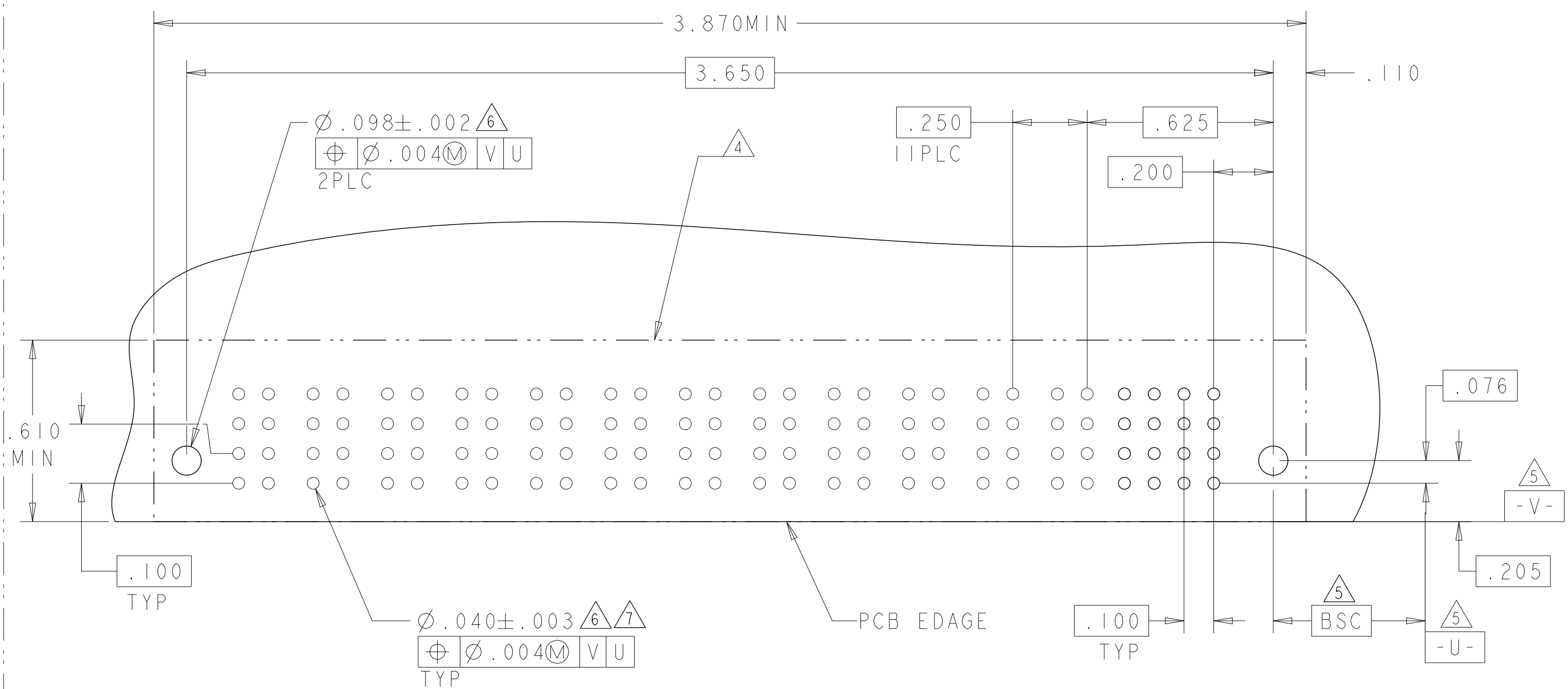
F



F2

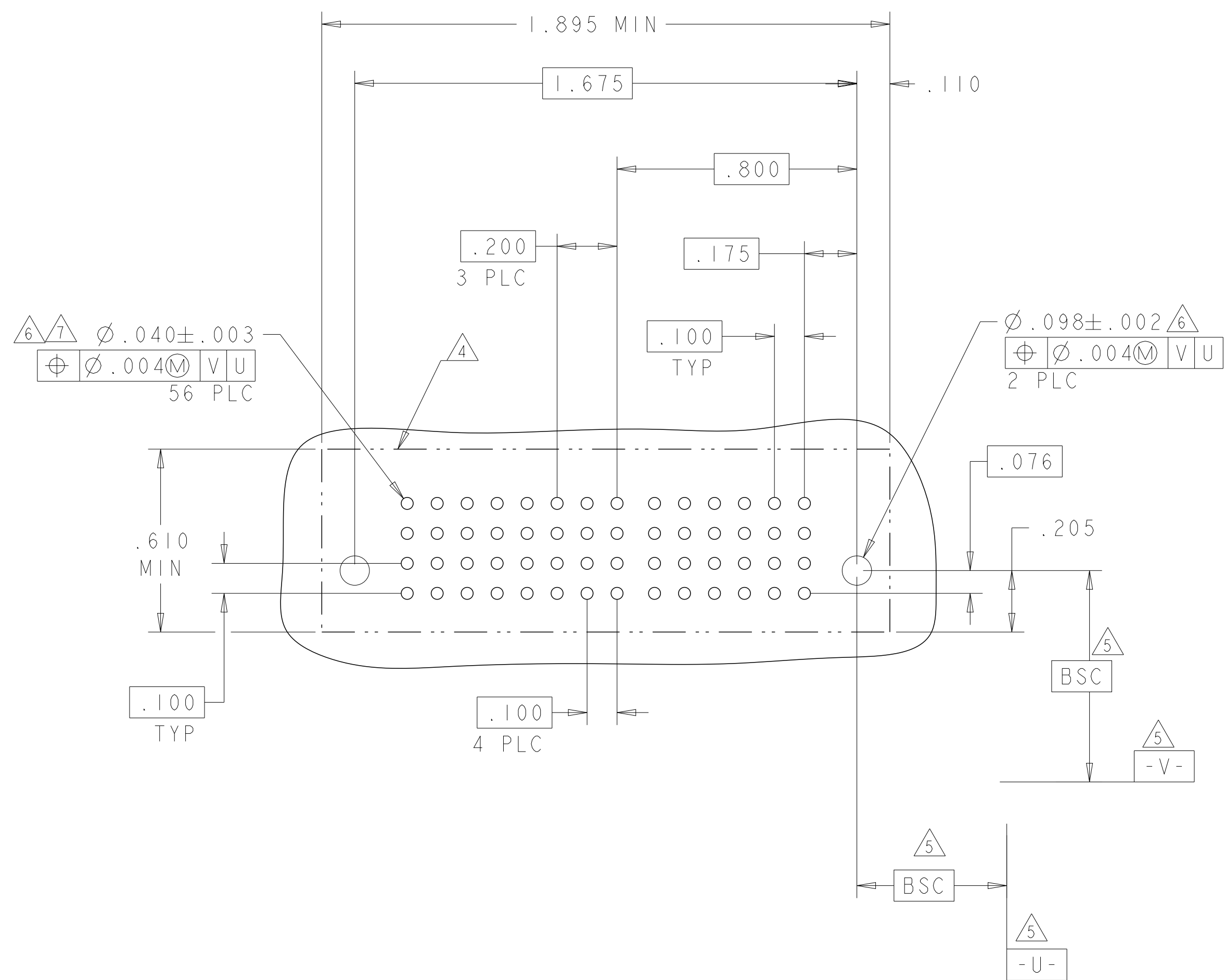
A

PART NUMBER	ROWS		POWER												SIGNAL					
			P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	4	3	2	1		
1-6450861-3	D C B A																			
		(HD)	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	GS	AP	AP	AP	AP	(HD)
16S + 12P																				

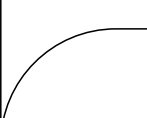
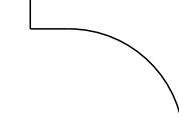


RECOMMENDED PCB LAYOUT

PART NUMBER	ROWS		POWER				SIGNAL						
			P4	P3	P2	P1	6	5	4	3	2	1	
I-6450861-5	D		GS	GS	GS	GS	AP	AP	AP	AP	AP	AP	
	C						AP	AP	AP	AP	AP	AP	
	B						AP	AP	AP	AP	AP	AP	
	A						HD	AP	AP	AP	AP	AP	
24S + 4P													

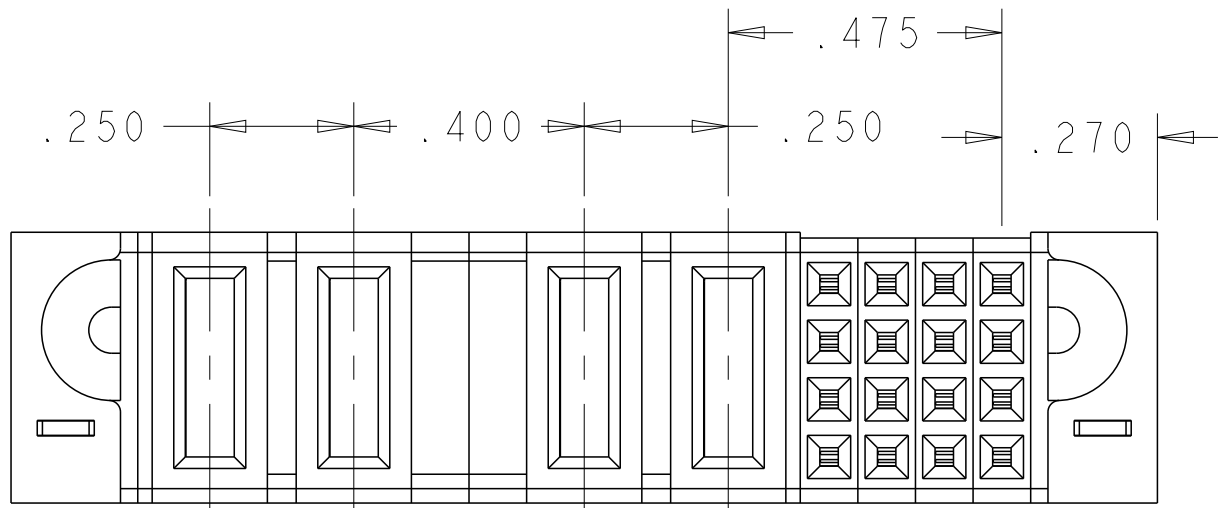
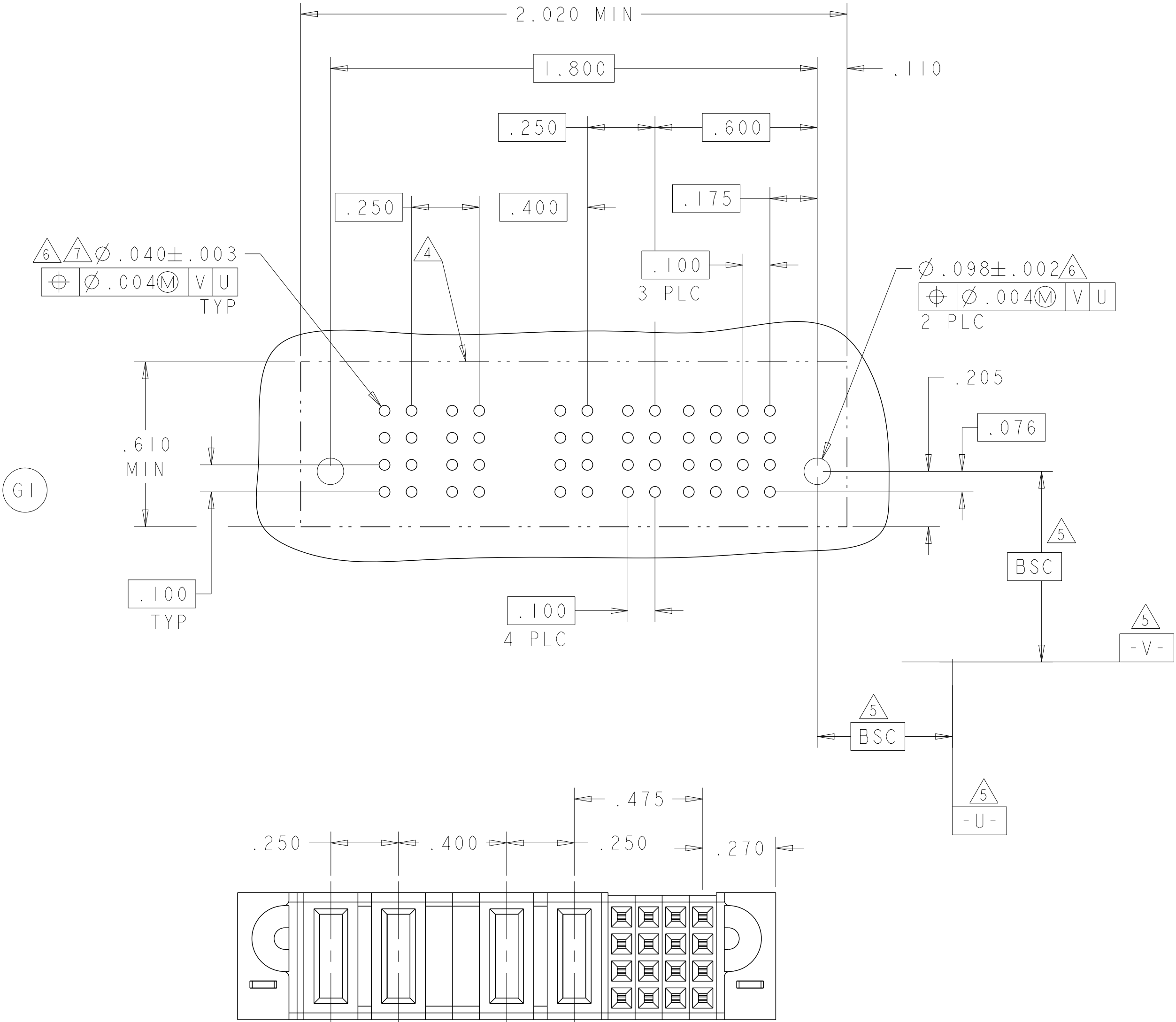
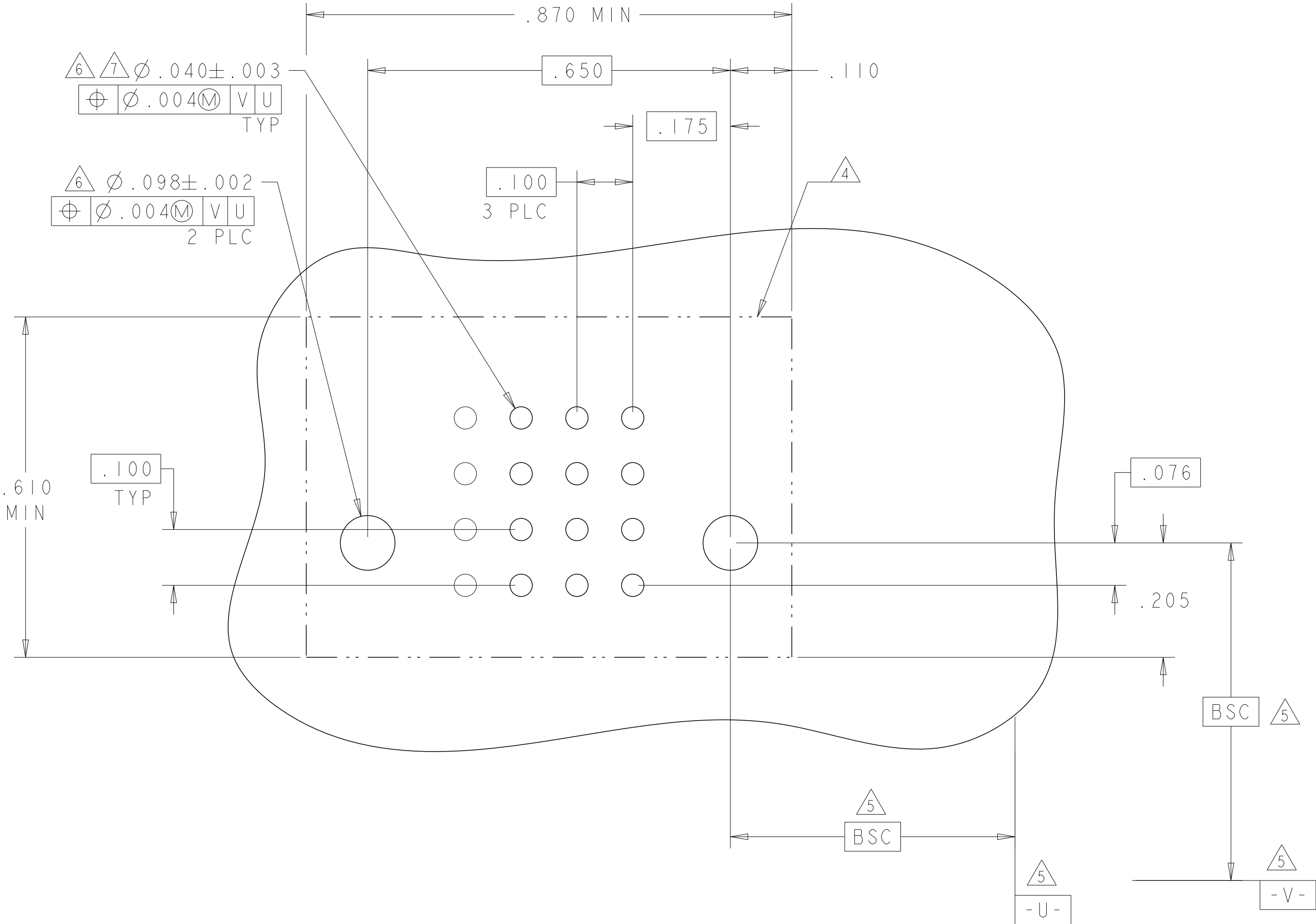
4805 (3/11)

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

PART NUMBER	ROWS		SIGNAL				
			4	3	2	1	
1-6450861-6	D						
	C		AP	AP	AP	AP	
	B		AP	AP	AP	AP	
	A		AP	AP	AP	AP	
			AP	AP	AP	AP	
16S							

PART NUMBER	ROWS		POWER					SIGNAL				
			P4	P3	-	P2	P1	4	3	2	1	
1-6450861-7	D		VS	VS	-	VS	VS	P	P	P	P	
	C							P	P	P	P	
	B							P	P	P	P	
	A							HD	P	P	P	
16S + 4P												

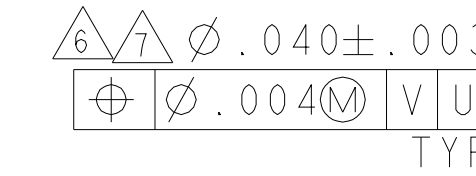
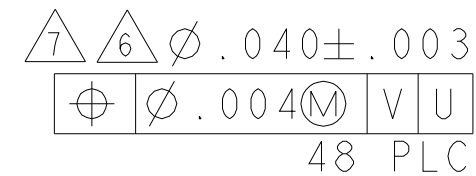
NO CONTACT LOADED



PART 1-6450861-7

HD	HOLD DOWN
P	SIGNAL PRESS FIT CONTACT .115"
VS	STD POWER PRESS FIT CONTACT .115"
CODE	TAIL LENGTH
CONTACT TABLE	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. ZHOU 20JUN2012	 TE Connectivity							
		CHK S. ZHAO 20JUN2012								
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD	NAME	VERTICAL RECEPTACL ASSEMBLY WITH SHORT GUIDE,PRESS FIT MULTI-BEAM XLE						
	0 PLC ±.1	PRODUCT SPEC	SIZE			CAGE CODE	DRAWING NO	RESTRICTED TO		
	1 PLC ±.1	108-2292								
	2 PLC ±.1	APPLICATION SPEC								
	3 PLC ±.005	114-13251								
	4 PLC ±.0020	WEIGHT	A100779		C=6450861	-				
MATERIAL	FINISH	Customer Drawing	SCALE	7:2	SHEET	10	OF	11	REV	G7

4805 (3/11)