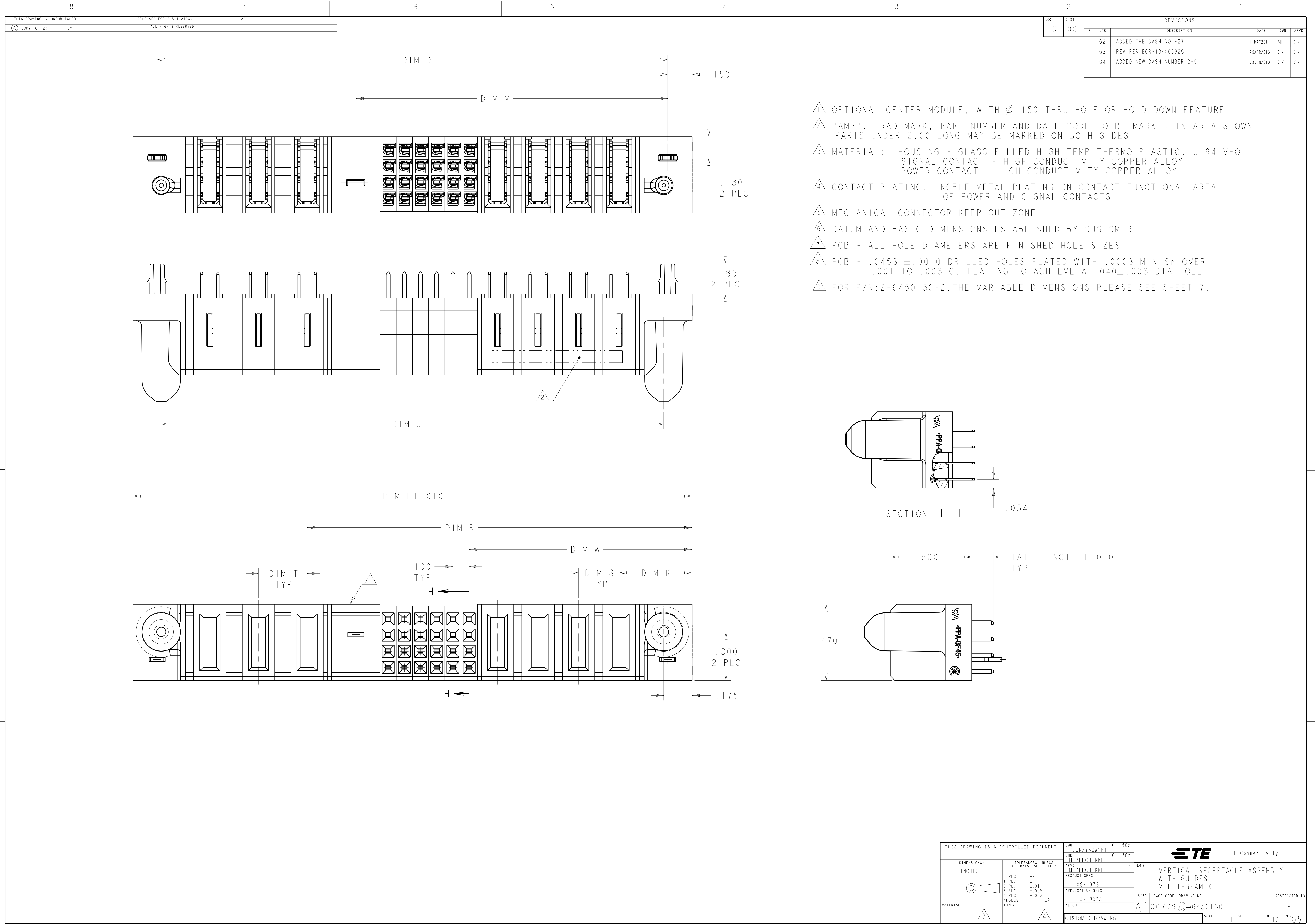
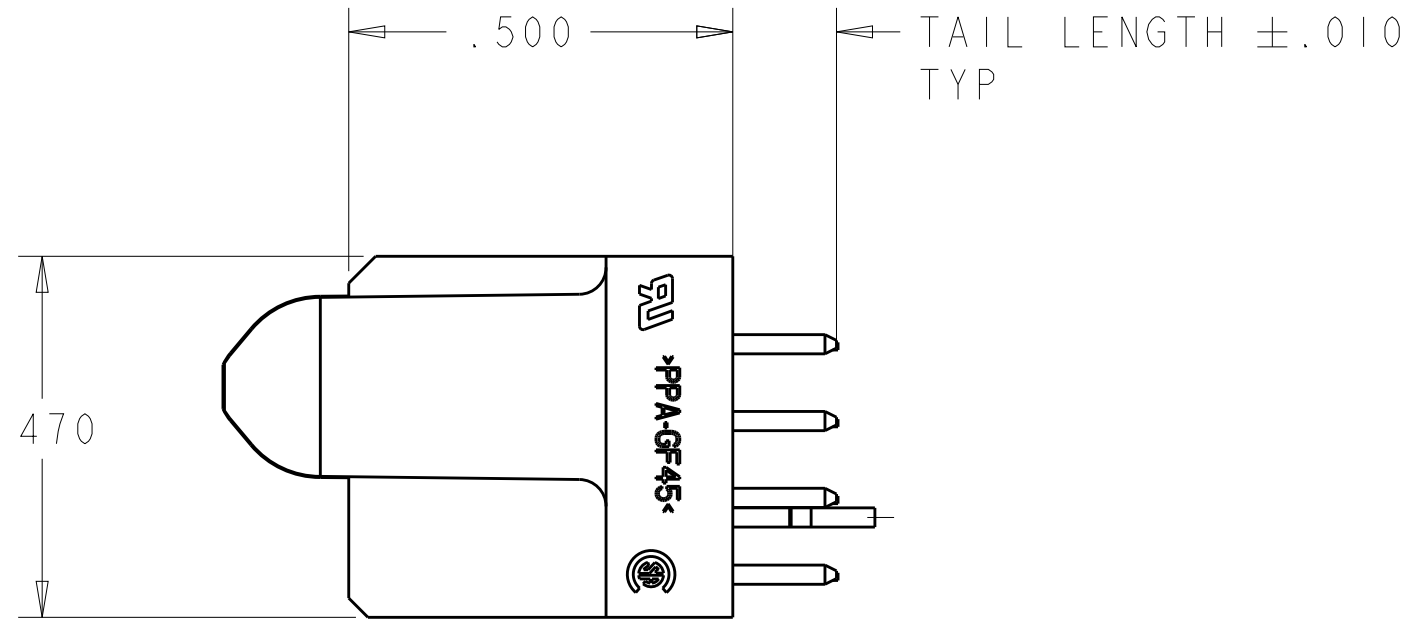
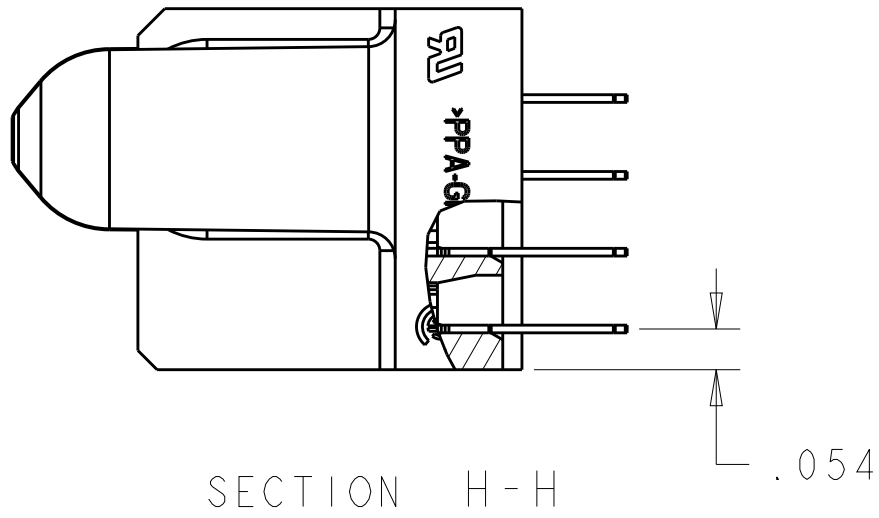




LOC		DIST		REVISIONS					
ES		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
					G2	ADDED THE DASH NO -27	11MAY2011	ML	SZ
					G3	REV PER ECR-13-006828	25APR2013	CZ	SZ
					G4	ADDED NEW DASH NUMBER 2-9	03JUN2013	CZ	SZ

- 1 OPTIONAL CENTER MODULE, WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE
- 2 "AMP", TRADEMARK, PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN PARTS UNDER 2.00 LONG MAY BE MARKED ON BOTH SIDES
- 3 MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
SIGNAL CONTACT - HIGH CONDUCTIVITY 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 PLATED WITH .0003 MIN Sn OVER .001 TO .003 CU PLATING TO ACHIEVE A .040±.003 DIA HOLE
- 9 FOR P/N:2-6450150-2.THE VARIABLE DIMENSIONS PLEASE SEE SHEET 7.



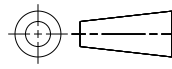
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	R. GRZYBOWSKI	16FEB05	 TE Connectivity	
		CHK	M. PERCHERKE	16FEB05		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD	M. PERCHERKE	NAME
INCHES		0 PLC ±.01		PRODUCT SPEC		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
		1 PLC ±.01		108-1973		
		2 PLC ±.01		APPLICATION SPEC		
		3 PLC ±.005		114-13038		
		4 PLC ±.0020		WEIGHT		
ANGLES		±.0020		CUSTOMER DRAWING		RESTRICTED TO
MATERIAL		FINISH		SCALE		SHEET
-		-		1:1		1
3		4				OF
						12
						REV
						G5

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

64	WITH	2.650	.200	.250	1.550	.875	2.700	-	3.000	.450	2P + 24S + 6P	2-6450150-9
	WITH	2.300	.250	.300	1.950	1.275	2.350	-	2.650	.475	3ACP + 24S + 2P	2-6450150-8
	WITH	5.150	.300	.300	3.550	2.700	5.200	-	5.500	.450	8ACP + 32S + 6ACP	2-6450150-7
	WITH	2.800	.300	.250	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	2-6450150-6
	WITH	3.800	.300	.250	1.875	1.375	3.850	-	4.150	.450	4P + 16S + 7ACP	2-6450150-5
	WITH	2.400	.200	.200	2.100	.825	2.450	-	2.750	.450	2P + 48S + 2P	2-6450150-4
	WITH	1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	2-6450150-3
	WITHOUT	5.500	.300	.300	3.175	2.525	5.550	-	5.850	.475	7ACP+20S+4ACP+5P	2-6450150-2
	WITH	2.900	.250	.250	2.550	.875	2.950	-	3.250	.450	2P + 64S + 2P	2-6450150-1
	WITH	3.550	-	.300	2.550	1.275	3.600	-	3.900	.475	3ACP + 48S + 5P	2-6450150-0
	WITH	4.000	-	-	-	.375	4.050	-	4.350	-	148S	1-6450150-9
	WITH	2.800	.250	.250	1.700	1.125	2.850	-	3.150	.450	3P + 20S + 5P	1-6450150-8
	WITH	2.200	.250	.250	1.350	.875	2.250	-	2.550	.450	2P + 16S + 4P	1-6450150-7
	WITH	3.500	.300	.250	2.775	2.375	3.550	-	3.850	.450	8P + 12S + 3ACP	1-6450150-3
	WITH	2.300	.250	.300	1.950	1.275	2.350	-	2.650	.475	3ACP + 24S + 2P	6450150-9
	WITH	1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	6450150-8
	WITH	3.000	.250	.250	2.150	1.425	3.050	-	3.350	.450	4P + 24S + 4P	6450150-6
	WITH	2.500	.300	.250	1.800	1.125	2.550	-	2.850	.450	3P + 24S + 3ACP	6450150-5
	WITH	2.675	.200	.200	2.375	1.650	2.725	-	3.025	.475	5P + 24S + 2P	6450150-4
	WITH	2.800	.300	.250	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	6450150-3
	WITH	3.550	-	.300	2.550	1.275	3.600	-	3.900	.475	3ACP + 48S + 5P	6450150-2
	WITH	4.350	.250	.250	3.500	2.625	4.400	-	4.700	.450	9P + 32S + 4P	6450150-1
	HOLD DOWN	U	T	S	R	W	D	M	L	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
4 PLC
ANGLES
FINISH

±
±.01
±.005
±.0020
±2°
-

DWN
R.GRZYBOWSKI
CHK
M.PERCHEKKE
APVD
M.PERCHEKKE

16FEB05
16FEB05

PRODUCT SPEC
108-1973
APPLICATION SPEC
114-13038
WEIGHT
-

CUSTOMER DRAWING

NAME
VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE
A1

CAGE CODE
00779

DRAWING NO
6450150

RESTRICTED TO
-

SCALE
1:1

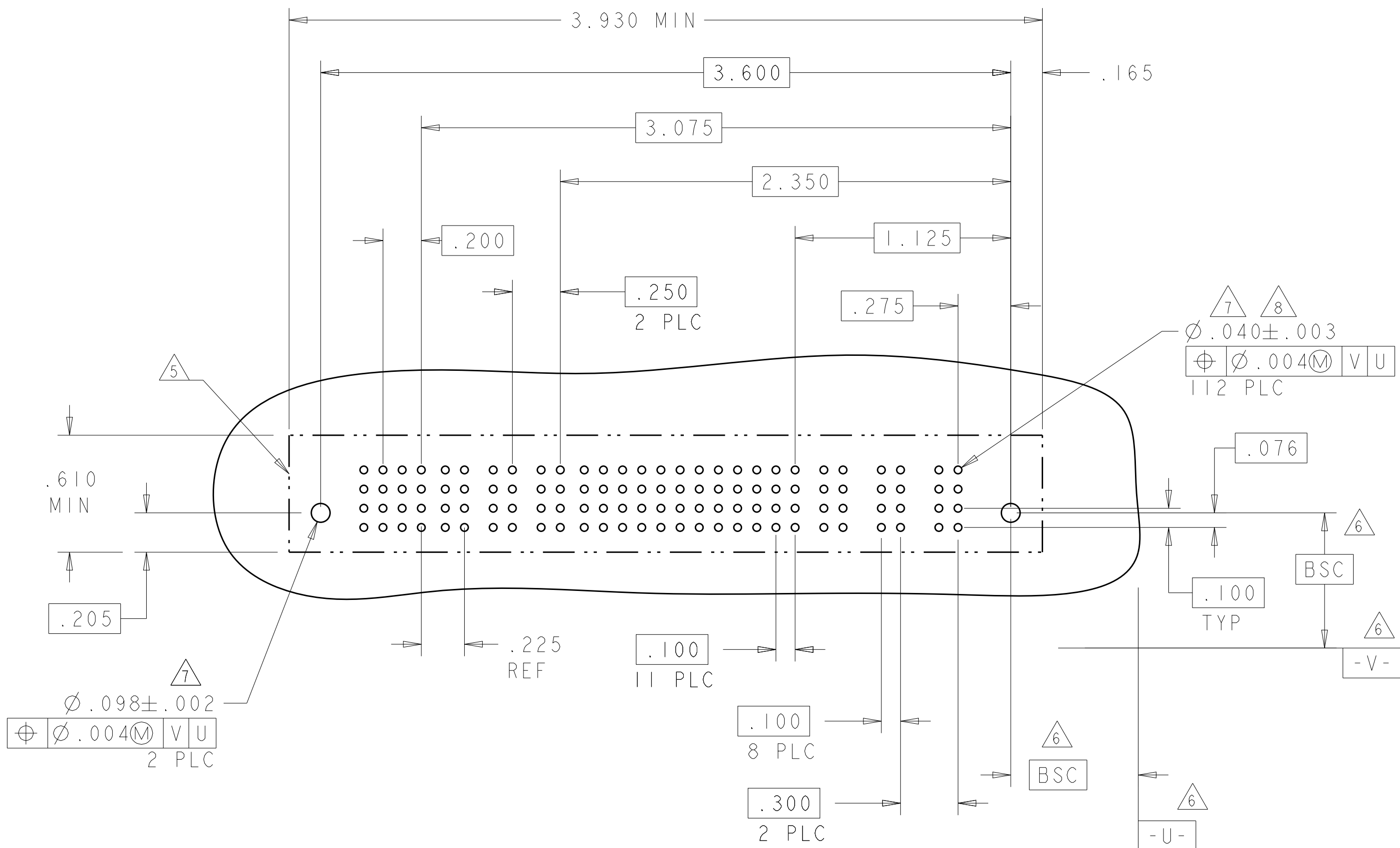
SHEET
2

OF
12

REV
G5

4805 (3/11)

PART NUMBER	ROWS		POWER (L)					SIGNAL																POWER (R)				
			P8	P7	P6	P5	P4	12	11	10	9	8	7	6	5	4	3	2	1	P3	P2	P1						
6450150-2	D C B A			VM	VM	VM	VM	E	E	E	E	E	E	E	E	E	E	E	E	VA	VM	VM						
								E	E	E	E	E	E	E	E	E	E	E	E					E	E	E	E	
								E	E	E	E	E	E	E	E	E	E	E	E					E	E	E	E	E
								E	E	E	E	E	E	E	E	E	E	E	E					E	E	E	E	E
3ACP + 48S + 5P																												

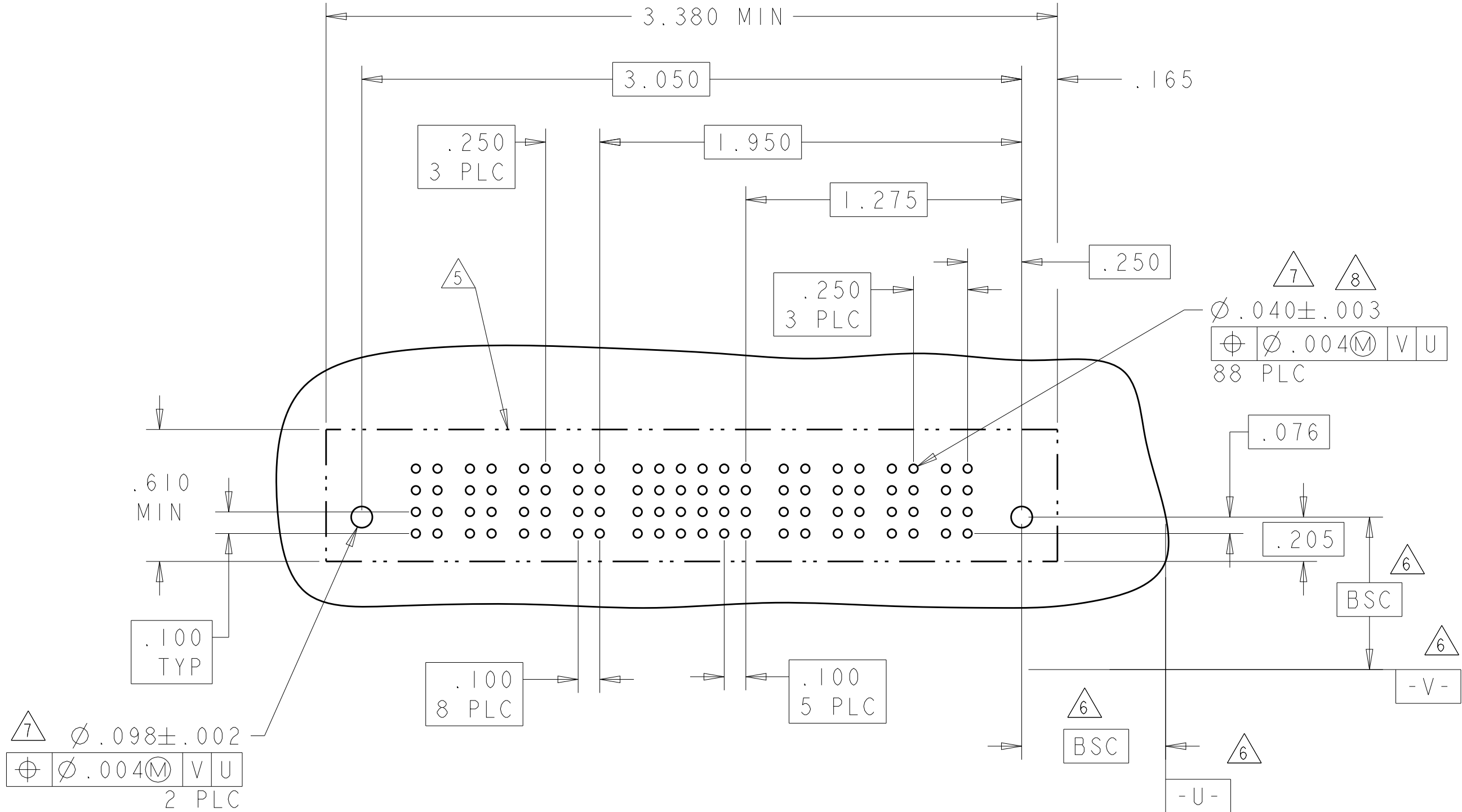


Technical drawing of a rectangular plate with a central grid of holes. The drawing includes dimensions for overall size (3.180 MIN), hole spacing (2.850, 1.875, 1.225), and hole diameters (Ø.098±.002, Ø.040±.003). It also shows various surface finish symbols (e.g., 7, 5, 8, 6) and material specifications (e.g., 2 PLC, 7 PLC, 80 PLC, 5 PLC, 3 PLC). A central oval highlights the main grid area.

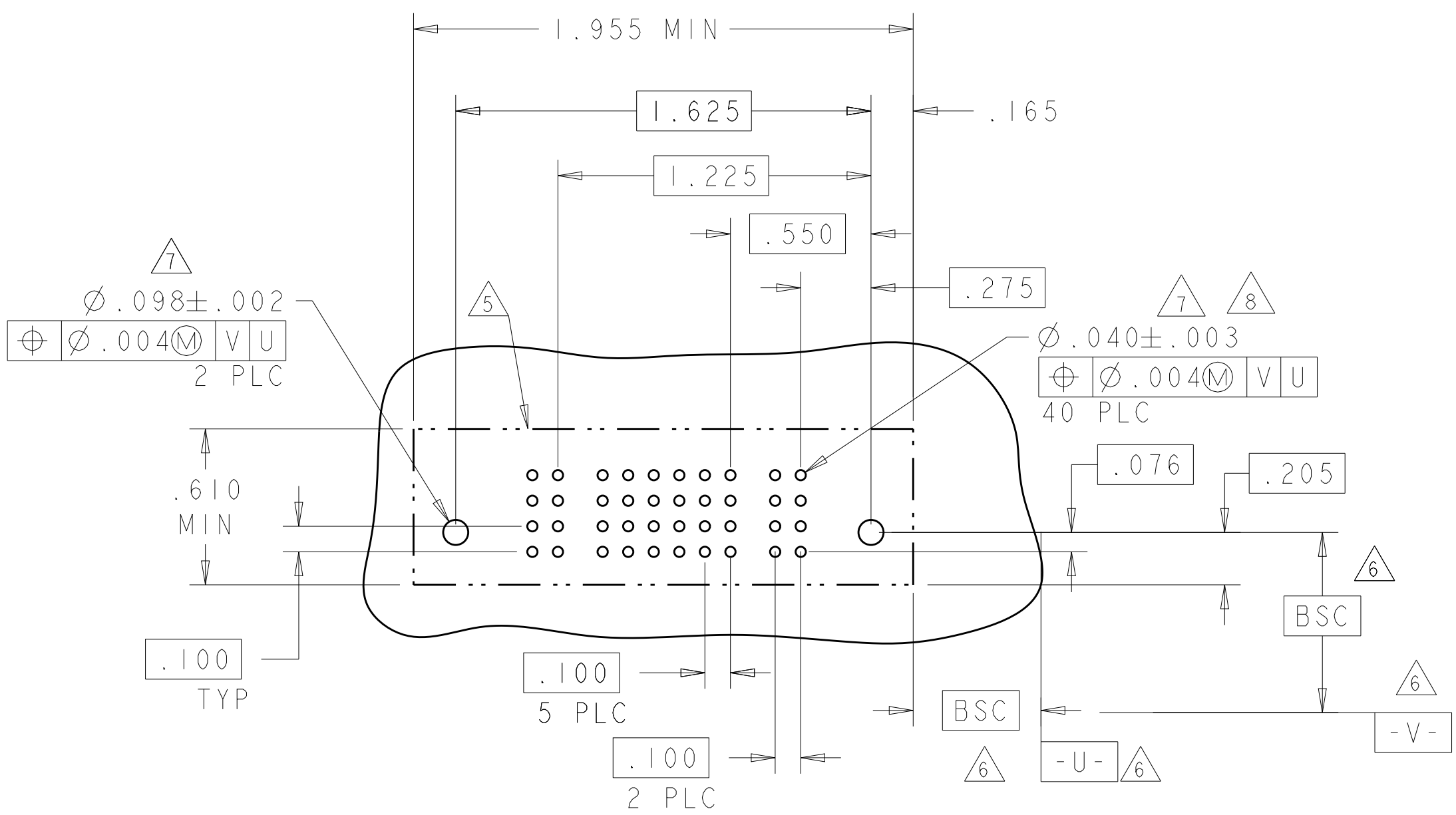
VN	.090	STD		
VM	.135	STD		
VB	.090	MFB	J	.090
VA	.135	MFB	E	.135
CODE	TAIL LENGTH	DESCRIPTION	CODE	TAIL LENGTH
POWER CONTACTS			SIGNAL CONTACTS	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 16FE005		TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES, UNLESS OTHERWISE SPECIFIED:		TE	
		CWP M. PERCHERKE 16FE005		TE Connectivity	
		APPV M. PERCHERKE		NAME	
		PRODUCT SPEC 108-1973		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		APPLICATION SPEC 114-13038		SIZE CASE CODE, DRAWING NO	
MATERIAL		FINISH		WEIGHT	
-		-		A1 100779 C-6450150	
				CUSTOMER DRAWING	
				SCALE 1:1 SHEET 3 OF 12 REV G5	

PART NUMBER	ROWS	POWER (L)				SIGNAL							POWER (R)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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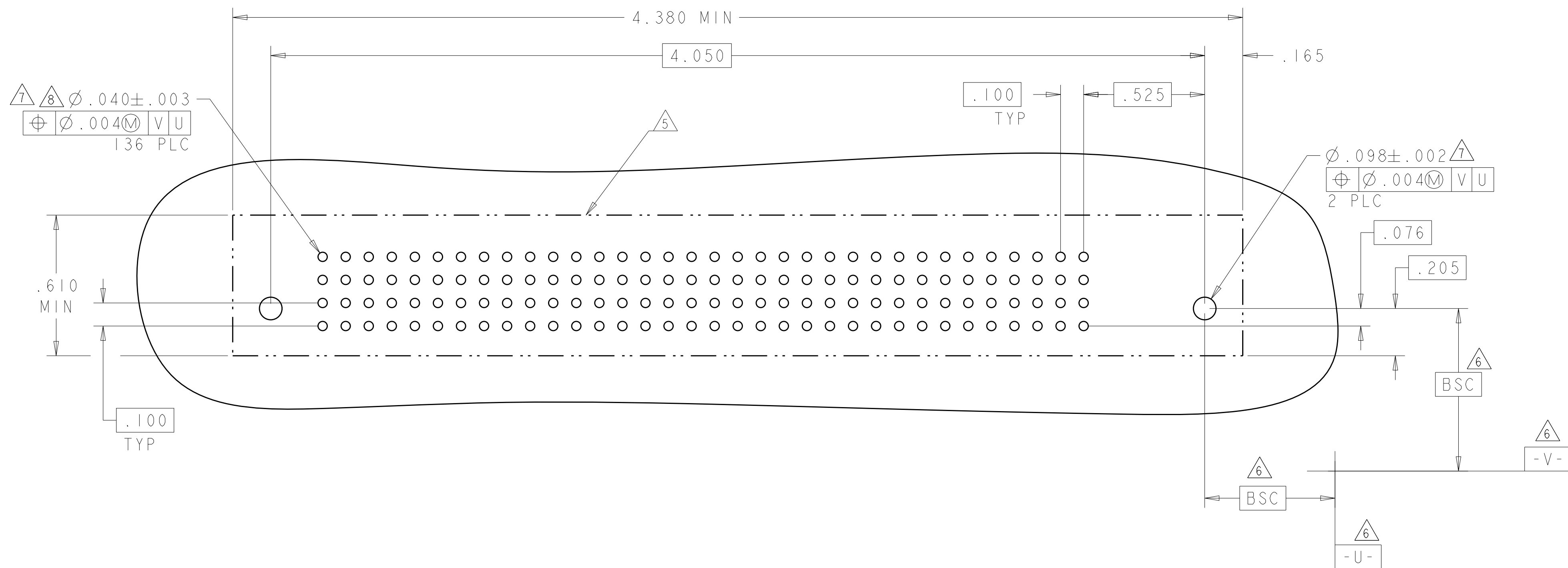


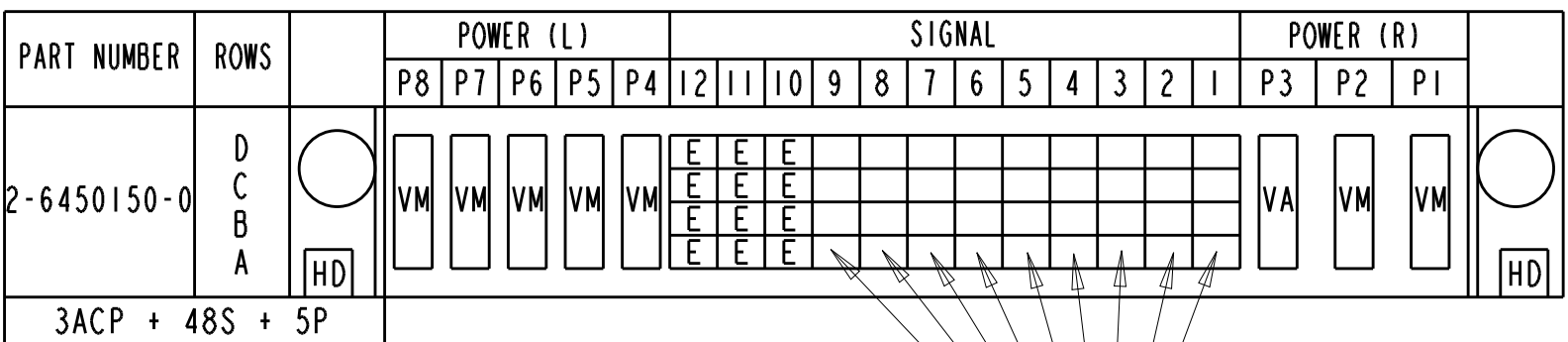
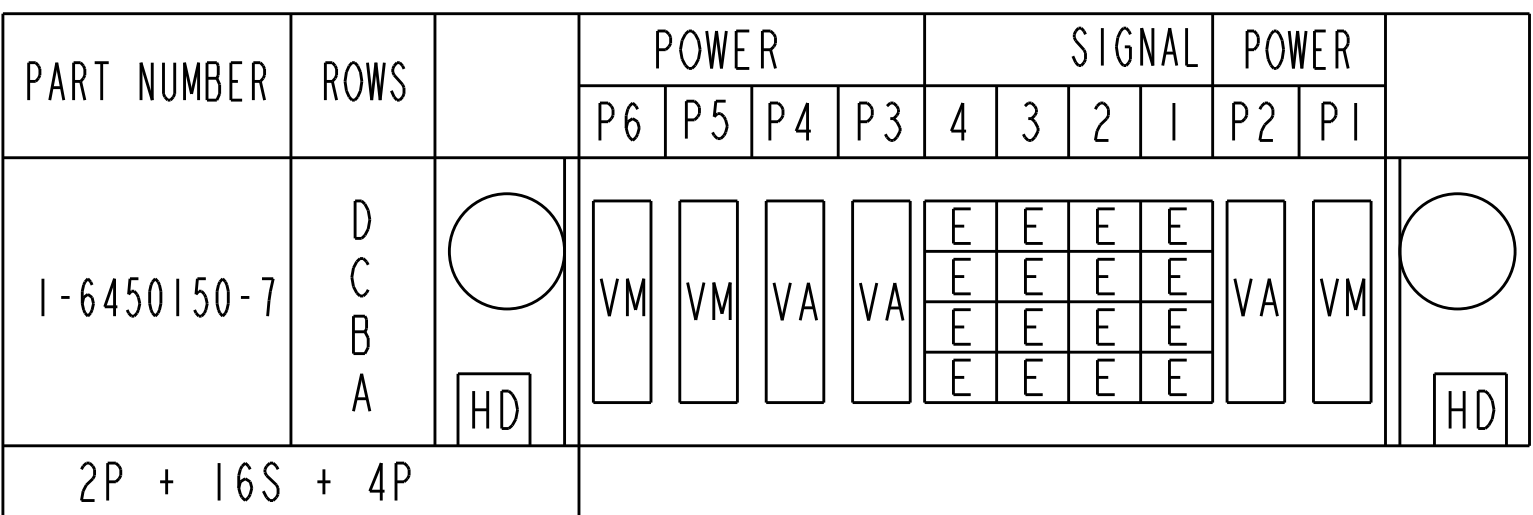
PART NUMBER	ROWS		POWER				SIGNAL				POWER				
			P2	6	5	4	3	2	1	P1					
6450150-8	D C B A			VM	E	E	E	E	E	E	E	E	VA		
					E	E	E	E	E	E	E	E			
					E	E	E	E	E	E	E	E			
			HD												HD
IP + 24S + IP															

4805 (3/11)

PART NUMBER	ROWS		POWER (L)					SIGNAL					POWER (R)																											
			P8	P7	P6	P5	P4	5	4	3	2	1	P3	P2	P1																									
I-6450150-8	D C B A	         	         	         	         	         	         	         	         	         	         	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	 	

PART NUMBER	ROWS		SIGNAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6		5	4	3	2	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
I-6450150-9	D C B A		E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

4805 (3/11)



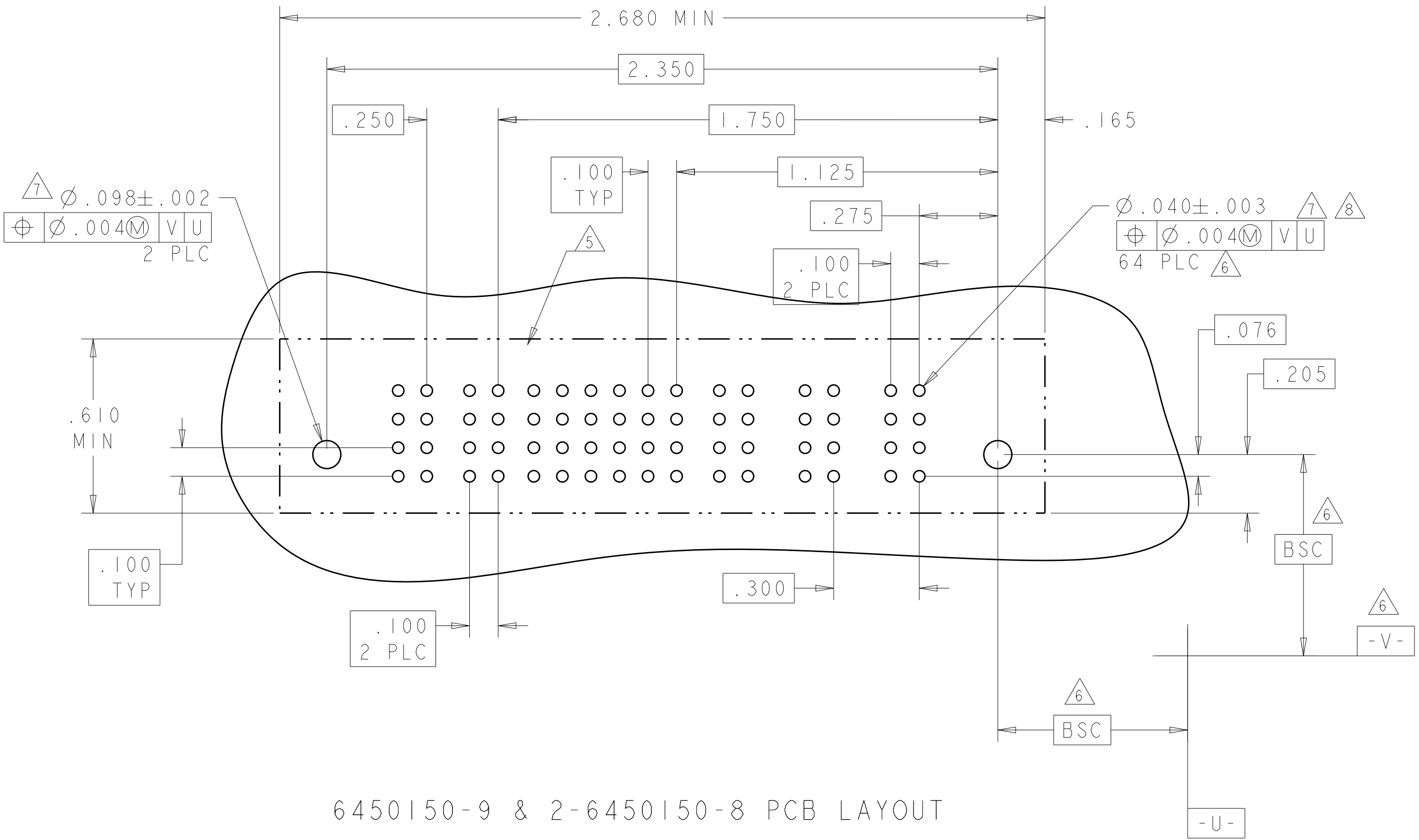
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN. GRZYBOWSKI 16FEB05 CHK. M. PERCHERKE 16FEB05		 TE Connectivity	
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS: ±. FRACTIONS: ±. ANGLES: ±°		NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
		PRODUCT SPEC 108-1973 APPLICATION SPEC 114-13038		SIZE CAGE CODE DRAWING NO A100779C6450150	
MATERIAL -		FINISH -		RESTRICTED TO -	
		CUSTOMER DRAWING		SCALE 1:1 SHEET 6 OF 12 REV G5	

PART NUMBER	ROWS		POWER		SIGNAL						POWER					
			P5	P4	6	5	4	3	2	1	P3	P2	P1			
6450150-9	D C B A	 HD			E	E	E	E	E	E	E	VA		VM		 HD
					E	E	E	E	E	E						
					E	E	E	E	E	E						
					E	E	E	E	E	E						
					E	E	E	E	E	E						
3ACP+24S+2P																

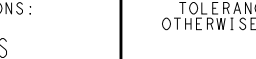


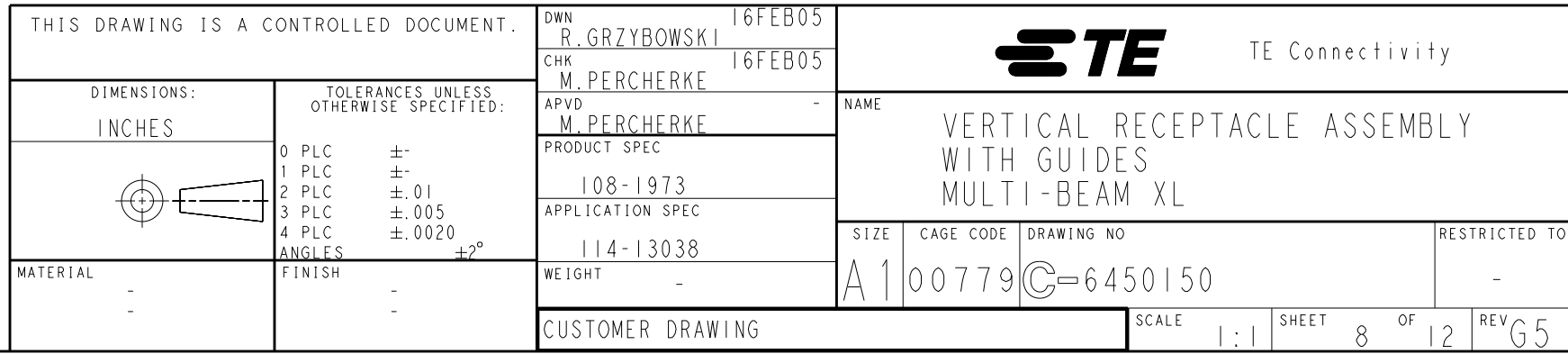
PART NUMBER	ROWS		POWER		SIGNAL							POWER			
			P5	P4	6	5	4	3	2	1	P3	P2	P1		
2-6450150-8	D C B A	 	 		  	 									
3ACP+24S+2P															

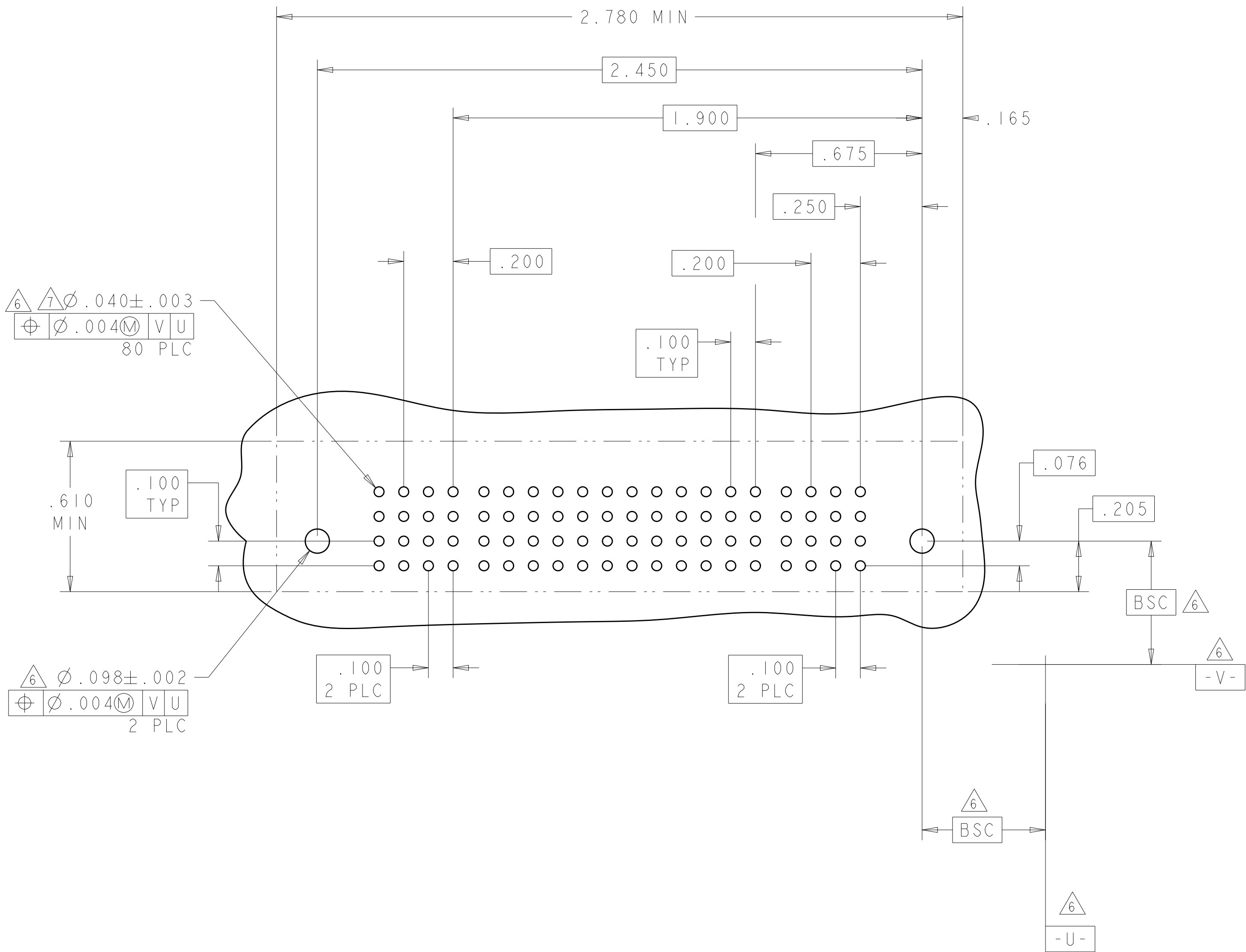
NO CONTACTS LOADED

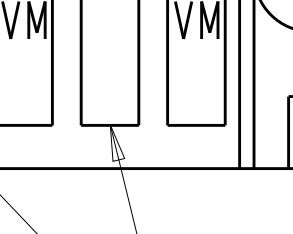


6450150-9 & 2-6450150-8 PCB LAYOUT

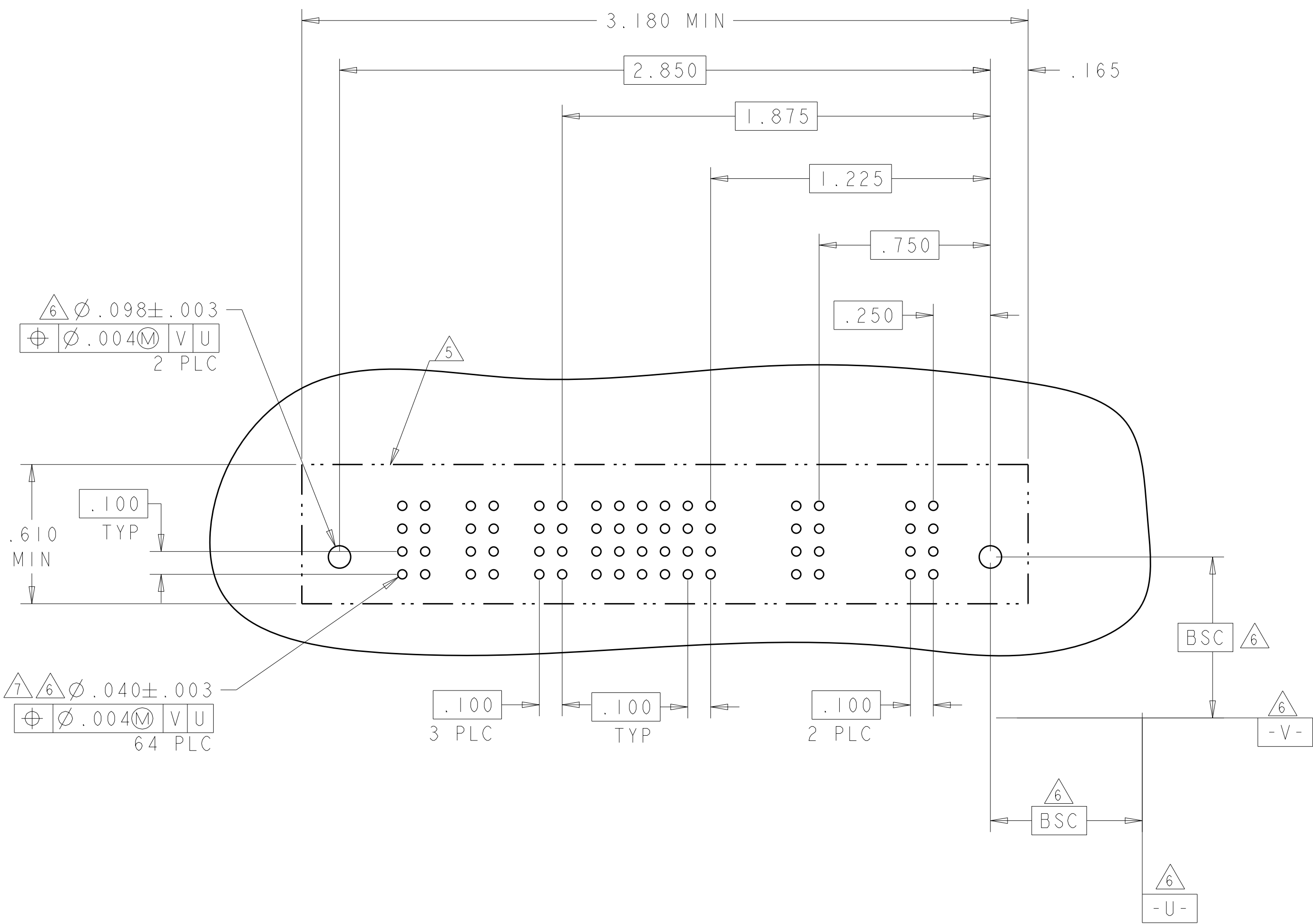
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN - R. GRZYBOWSKI 16FEB05		 TE Connectivity	
		CHW - M. PERCHERKE 16FEB05			
DIMENSIONS: INCHES		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		1 PLC ±		M. PERCHERKE	
		1 PLC ±		APVD -	
		2 PLC ±.01		PRODUCT SPEC	
		3 PLC ±.005		108-1973	
4 PLC ±.0020		APPLICATION SPEC		VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
ANGLES ±°		114-13038		SIZE CASE CODE DRAWING NO	
FINISH		WEIGHT -		A 100779 ©=6450150	
MATERIAL				RESTRICTED TO	
				-	
				SCALE 1:1 SHEET 7 OF 12 REV G5	
		CUSTOMER DRAWING			



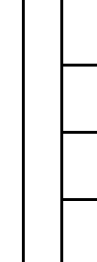
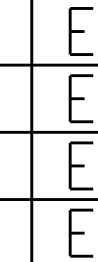
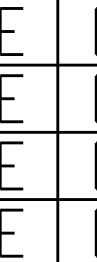
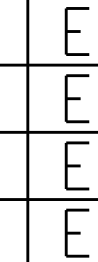
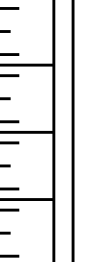
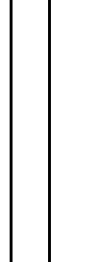
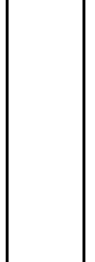
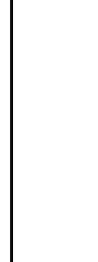
[illegible]4805 (3/11)

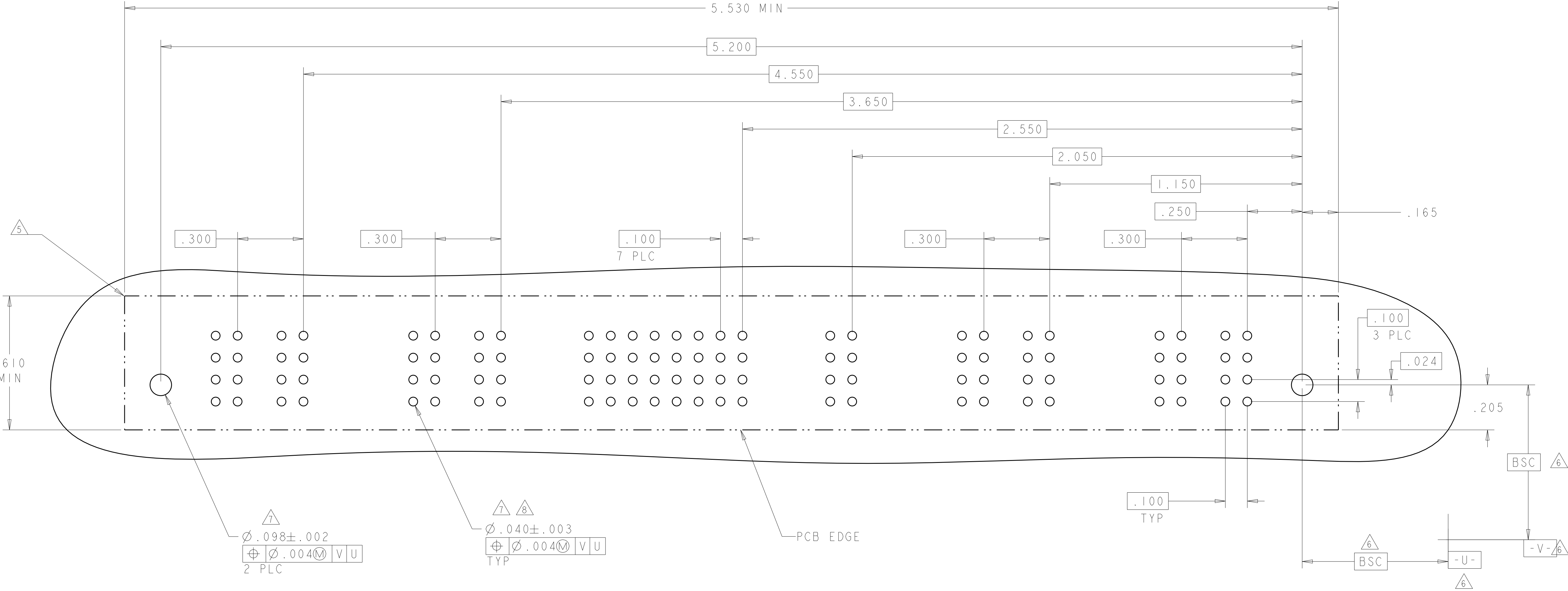
PART NUMBER	ROWS		POWER (L)			SIGNAL							POWER (R)				
			P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1		
2-6450150-6	D																
																	
																	
																	
4P + 24S + 3ACP																	

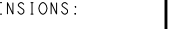
FI

4805 (3/11)

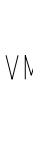
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
ES	00	-	-	SEE SHEET 1	-	-

PART NUMBER	ROWS		POWER (L)						SIGNAL								POWER (R)										
			PI 4	PI 3	PI 2	PI 1	PI 0	P 9	8	7	6	5	4	3	2	1	P 8	P 7	P 6	P 5	P 4	P 3	P 2	P 1			
2-6450150-7	D C B A																										
8ACP + 32S + 6ACP																											



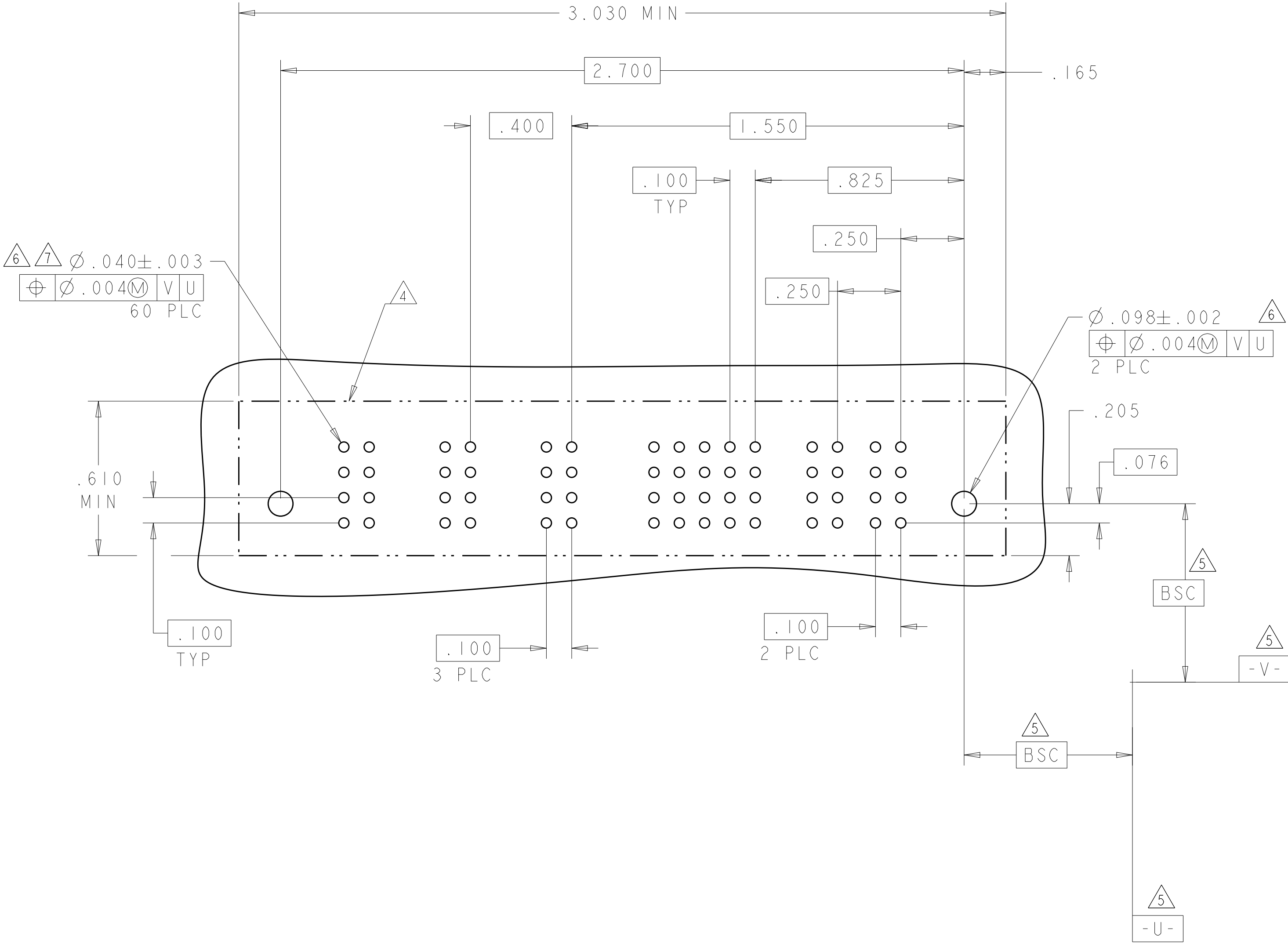
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 16FEB05	 TE Connectivity		
DIMENSIONS: INCHES		CHK M.PERCHERKE 16FEB05			
	0 PLC	±"	PRODUCT SPEC	NAME	
	1 PLC	±.01			
	2 PLC	±.05			
	3 PLC	±.0020			
MATERIAL		FINISH	APPLICATION SPEC		
-		-	114-13038		
CUSTOMER DRAWING		WEIGHT	RESTRICTED TO		
		-	A100779C=6450150		
			SCALE 1:1	SHEET 11 OF 12	
				REV G5	

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	4	3	2	3	2	1			P2
2-6450150-9	D		VM		VM		VA		E	E	E	E	E		VM	VM	
	E								E	E	E	E					
	E								E	E	E	E					
	E								E	E	E	E					
2P + 24S + 6P																	

NO CONTACTS LOADED

NO CONTACTS LOADED



THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN
R.GRZYBOWSKI
CHK
M.PERCHEKKE
APVD
M.PERCHEKKE

16FEB05
16FEB05
-

DIMENSIONS:
INCHES

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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL

-

PRODUCT SPEC

108-1973

APPLICATION SPEC

114-13038

WEIGHT

-

CUSTOMER DRAWING

NAME

VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE

A1

CAGE CODE

00779

DRAWING NO

6450150

RESTRICTED TO

-

SCALE

1:1

SHEET

12

OF

12

REV

G5

TE Connectivity