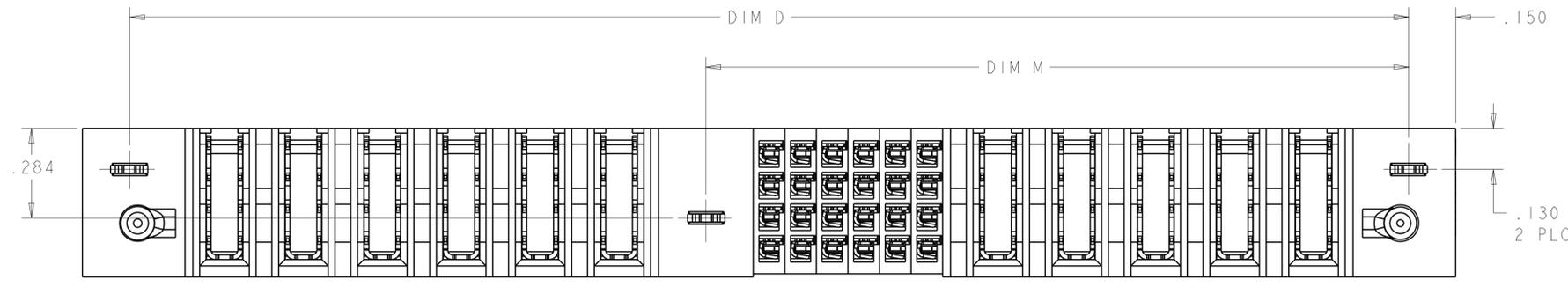
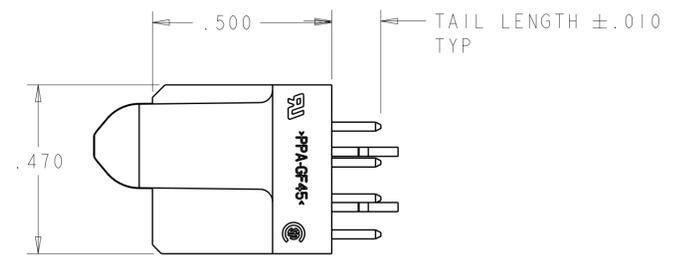
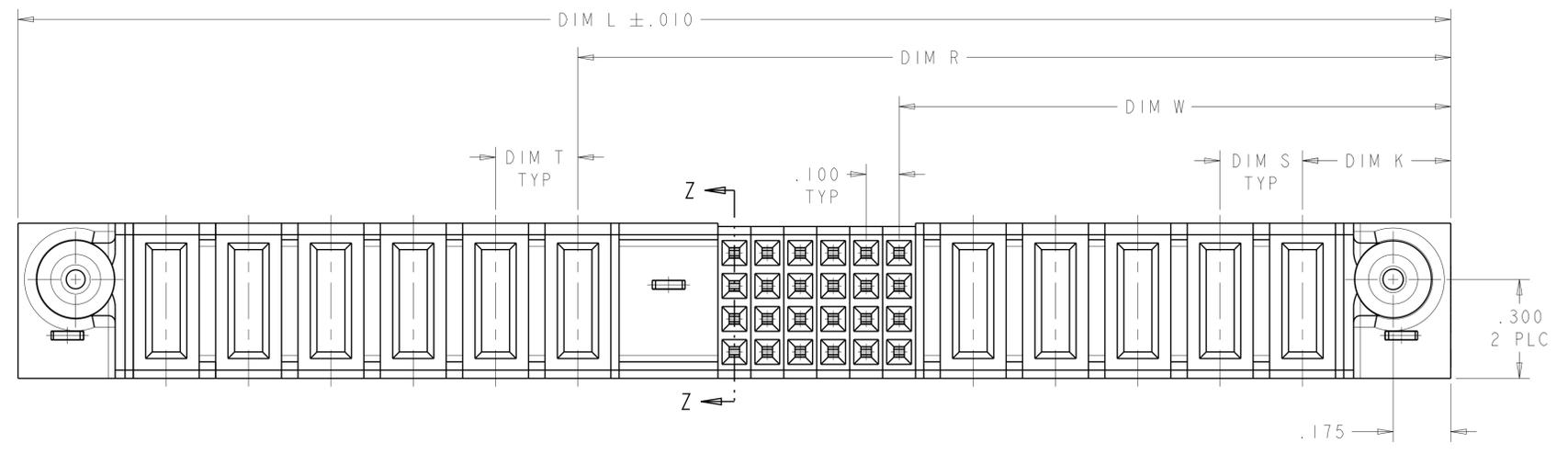
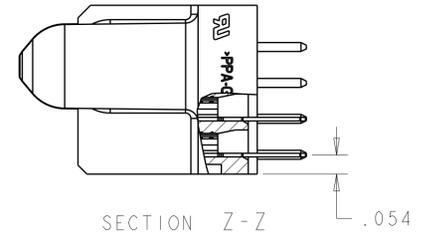
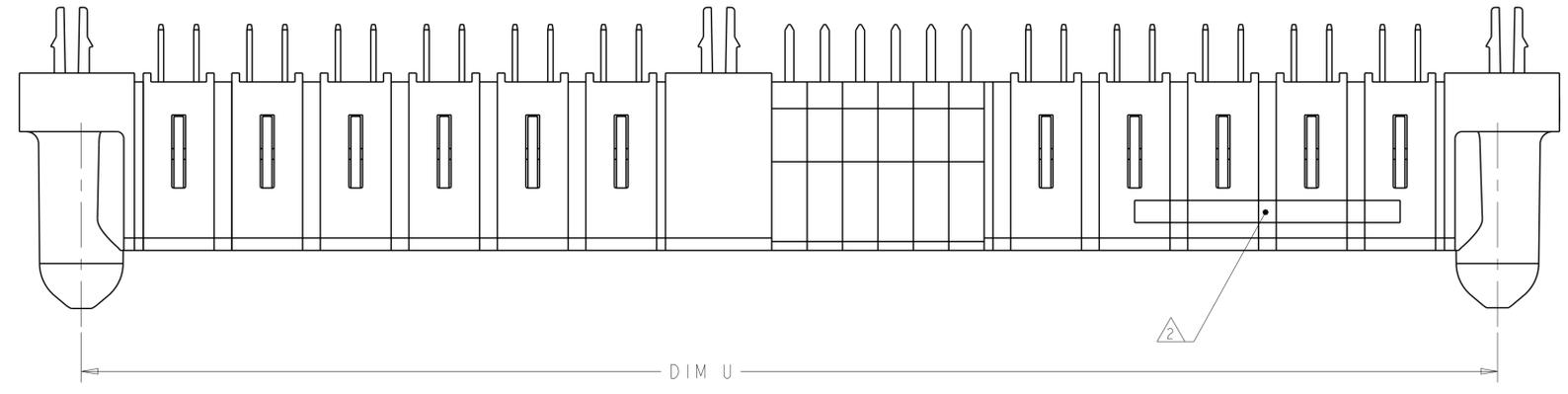


LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
E1		ADD 3-6450140-4	02APR2011	OL	SZ
E2		REV PER ECR-11-008606	29APR2011	OL	SZ
E3		ADDED NEW DASH NUMBER 3-5 AND 3-6	09MAR2012	CZ	SZ
E4		REVISED	23APR2012	CZ	SZ



- △ OPTIONAL CENTER MODULE, WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE
- △ "AMP", TRADEMARK, PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN.
- △ MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
 SIGNAL CONTACT - HIGH CONDUCTIVITY 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 HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 HOLE



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN R. GRZYBOWSKI CHK M. PERCHERKE APVD M. PERCHERKE	15FEB05 15FEB05	TE Connectivity VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC 108-1973	APPLICATION SPEC 114-13038	
0 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.7°	FINISH △ 3 △ 4	SIZE A1	CAGE CODE C=6450140	RESTRICTED TO -
MATERIAL		WEIGHT	CUSTOMER DRAWING	SCALE 2:1 SHEET 1 OF 11 REV E4

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
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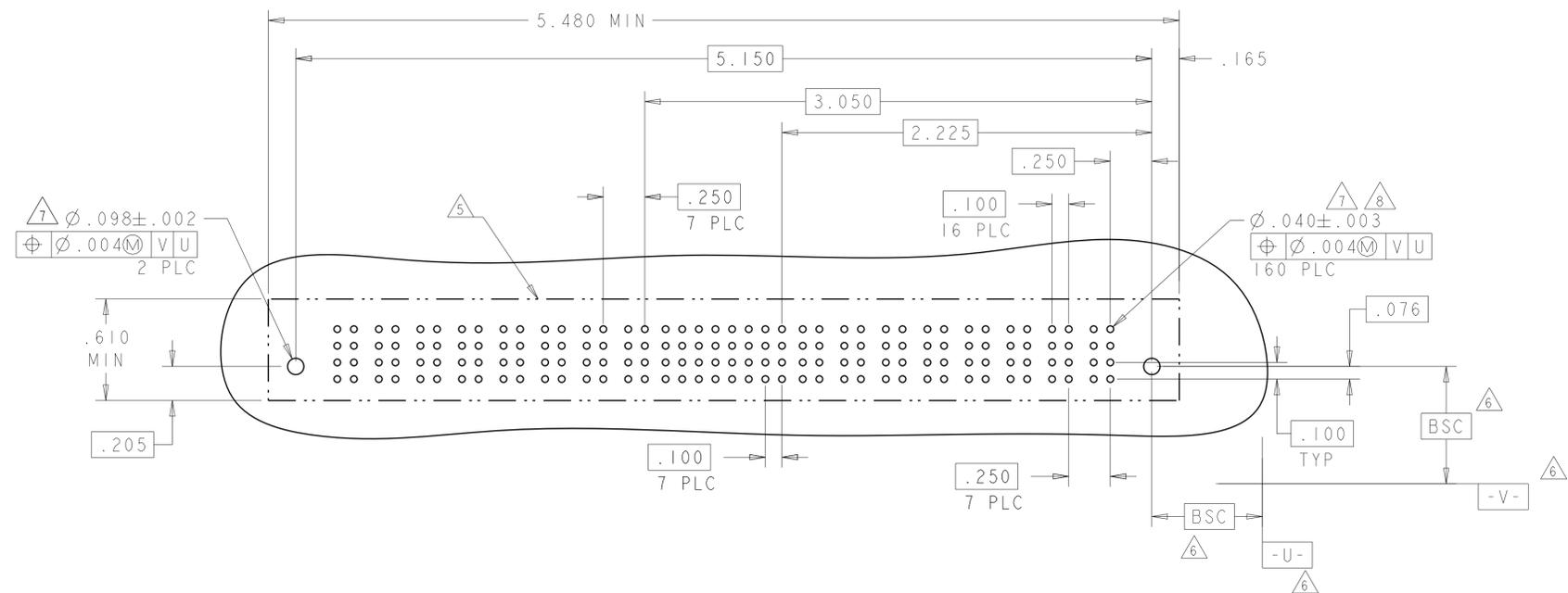
LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	DWN	APVD
ES	00	-	-	SEE SHEET 1	-	-	-

1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	3-6450140-6
1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	3-6450140-5
2.700	.250	.250	2.100	1.125	2.750	-	3.050	.450	3P + 36S + 3P	3-6450140-4
3.200	.250	.250	2.350	1.375	3.250	-	3.550	.450	4P + 36S + 4P	3-6450140-1
3.500	.250	.250	2.150	1.875	3.550	-	3.850	.450	6P + 8S + 6P	3-6450140-0
2.500	.250	.250	1.650	1.375	2.550	-	2.850	.450	4P + 8S + 4P	2-6450140-9
2.900	.250	.250	2.050	1.375	2.950	-	3.250	.450	4P + 24S + 4P	2-6450140-8
2.400	.250	.250	2.050	1.375	2.450	-	2.750	.450	4P + 24S + 2P	2-6450140-7
3.700	.300	.200	2.700	2.025	3.750	-	4.050	.450	8P + 24S + 4ACP	2-6450140-6
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	2-6450140-5
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	2-6450140-0
2.600	.200	.200	1.900	1.225	2.650	-	2.950	.450	4HDP + 24S + 4HDP	1-6450140-9
1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	1-6450140-8
4.500	.250	.250	2.900	2.125	4.550	-	4.850	.450	7P + 28S + 7P	1-6450140-3
4.250	.250	.250	2.650	1.875	4.300	-	4.600	.450	6P + 28S + 7P	1-6450140-2
2.800	.250	.250	1.950	1.375	2.850	-	3.150	.450	4P + 20S + 4P	1-6450140-1
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	1-6450140-0
4.000	.250	.250	2.650	1.675	4.050	2.225	4.350	.450	5P+24S+1M+6P	6450140-9
4.150	.250	.250	2.800	2.125	4.200	-	4.500	.450	7P + 24S + 6P	6450140-8
4.350	.250	.250	3.500	2.625	4.400	-	4.700	.450	9P + 32S + 4P	6450140-7
1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	6450140-6
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	6450140-5
7.400	.250	.250	5.050	2.875	7.450	-	7.750	.450	10P + 84S + 10P	6450140-4
3.650	.250	.250	2.550	1.875	3.700	-	4.000	.450	6P + 24S + 5P	6450140-3
4.350	.250	.250	3.000	2.125	4.400	-	4.700	.450	7P + 32S + 6P	6450140-2
5.100	.250	.250	3.250	2.375	5.150	-	5.450	.450	8P + 32S + 8P	6450140-1
U	T	S	R	W	D	M	L	K	DESCRIPTION	PART NUMBER

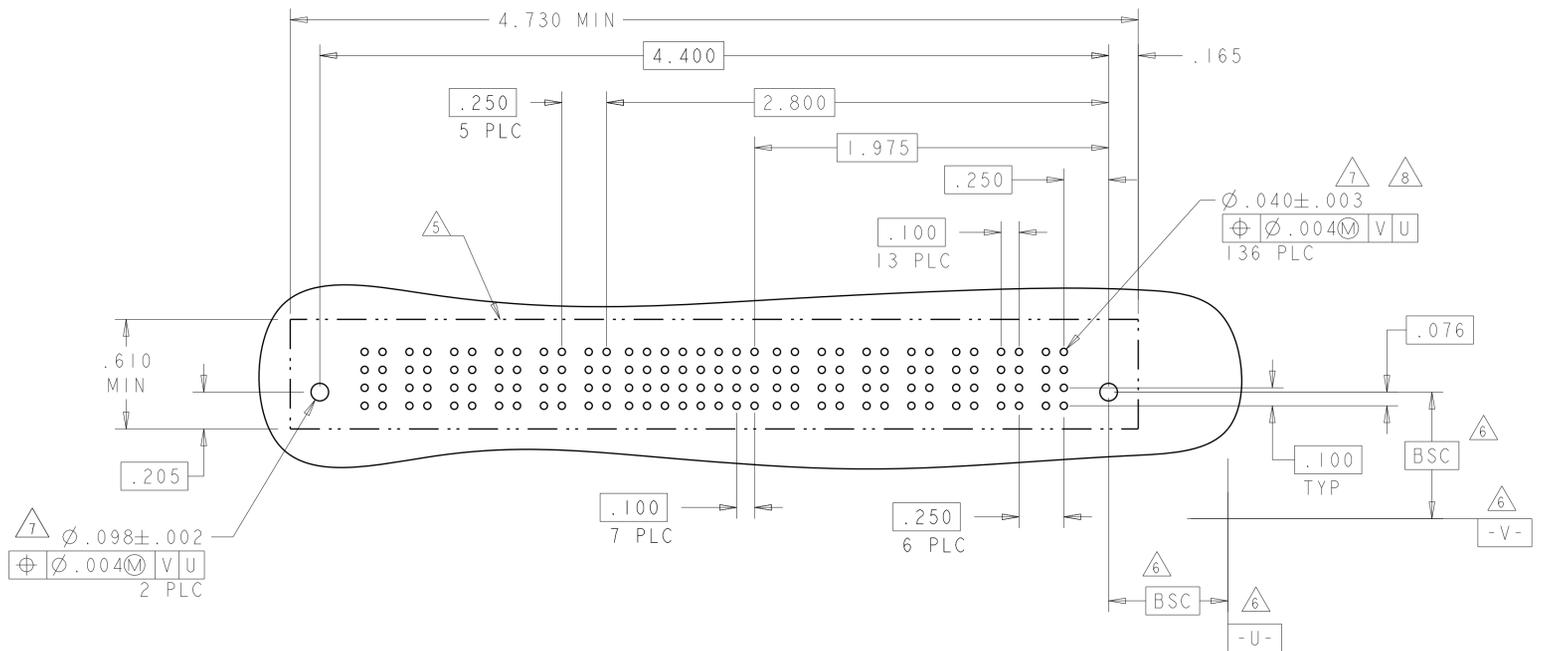
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 15FEB05	 TE Connectivity NAME VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
DIMENSIONS: INCHES		CHK M. PERCHERKE 15FEB05	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±.020		APVD M. PERCHERKE	PRODUCT SPEC 108-1973
		APPLICATION SPEC 114-13038	RESTRICTED TO
MATERIAL	FINISH	WEIGHT	SIZE CAGE CODE DRAWING NO A100779C=6450140
CUSTOMER DRAWING		SCALE 2:1	SHEET 2 OF 11 REV E4

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

PART NUMBER	ROWS	POWER							SIGNAL							POWER													
		P16	P15	P14	P13	P12	P11	P10	P9	8	7	6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1				
6450140-1	D C B A	VA	VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	E	E	VA												
		9P + 32S + 8P																											



PART NUMBER	ROWS	POWER							SIGNAL							POWER													
		P13	P12	P11	P10	P9	P8	8	7	6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1							
6450140-2	D C B A	VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	VA								
		7P + 32S + 6P																											



CODE	TAIL LENGTH	DESCRIPTION
VB	.090	MFBL
VM	.135	STD
VA	.135	MFBL
POWER CONTACT		

CODE	TAIL LENGTH	DESCRIPTION
J	.090	
E	.135	
SIGNAL CONTACT		

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R. GRZYBOWSKI 15FEB05, CHK: M. PERCHERKE 15FEB05, APVD: M. PERCHERKE

STE TE Connectivity

NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

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

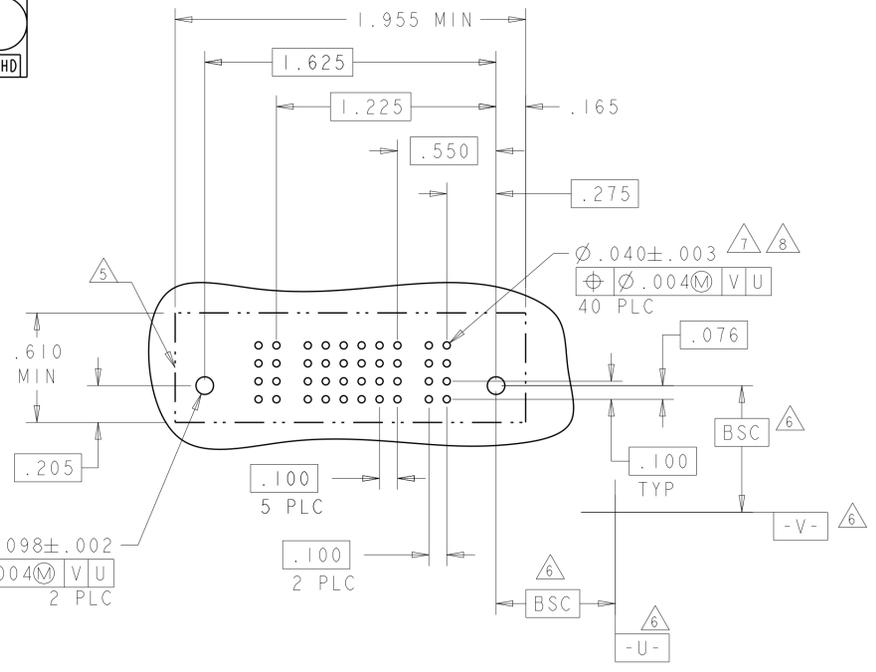
SIZE: A1, CAGE CODE: 100779, DRAWING NO: 6450140, SHEET 3 OF 11, REV: E4

CUSTOMER DRAWING, SCALE: 2:1

LOC	DIST	REVISIONS			
ES	00	REV	DATE	BY	APPD
		1			
		2			
		3			
		4			
		5			
		6			
		7			
		8			
		9			
		10			
		11			
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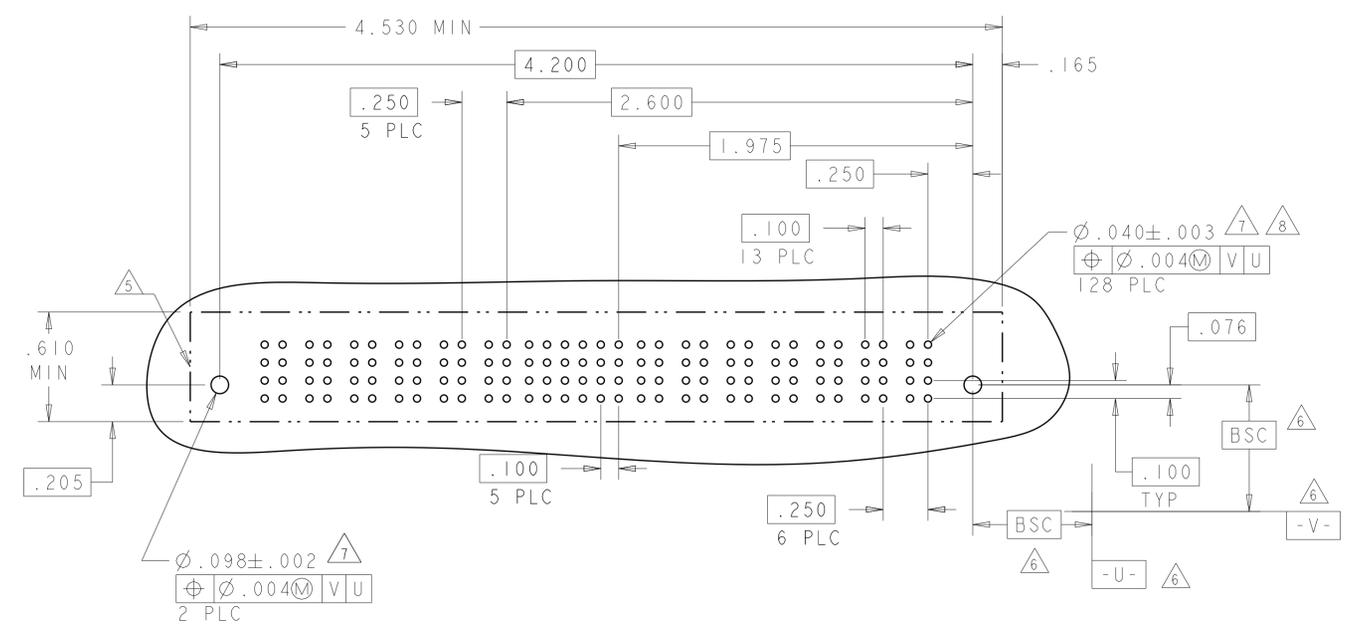
PART NUMBER	ROWS	POWER					SIGNAL					POWER									
		P2	6	5	4	3	2	1	P1	P2	6	5	4	3	2	1	P1				
6450140-6	D C B A	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA
		VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA

IP + 24S + IP



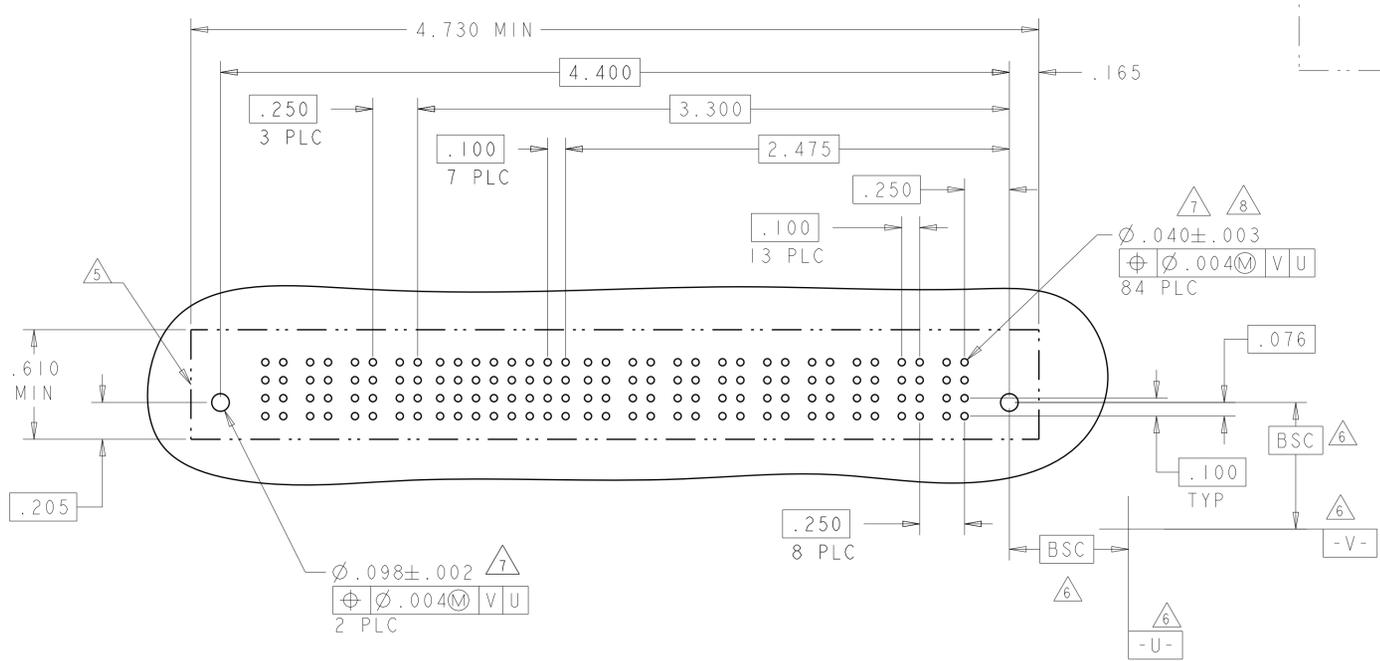
PART NUMBER	ROWS	POWER					SIGNAL					POWER									
		P13	P12	P11	P10	P9	P8	6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1	
6450140-8	D C B A	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA
		VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA

7P + 24S + 6P



PART NUMBER	ROWS	POWER					SIGNAL								POWER											
		P13	P12	P11	P10	8	7	6	5	4	3	2	1	P9	P8	P7	P6	P5	P4	P3	P2	P1				
6450140-7	D C B A	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA
		VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA	VA

J2 + 3cS + 4P



THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: R. GRZYBOWSKI 15FEB05
 CHK: M. PERCHERKE 15FEB05
 APVD: M. PERCHERKE

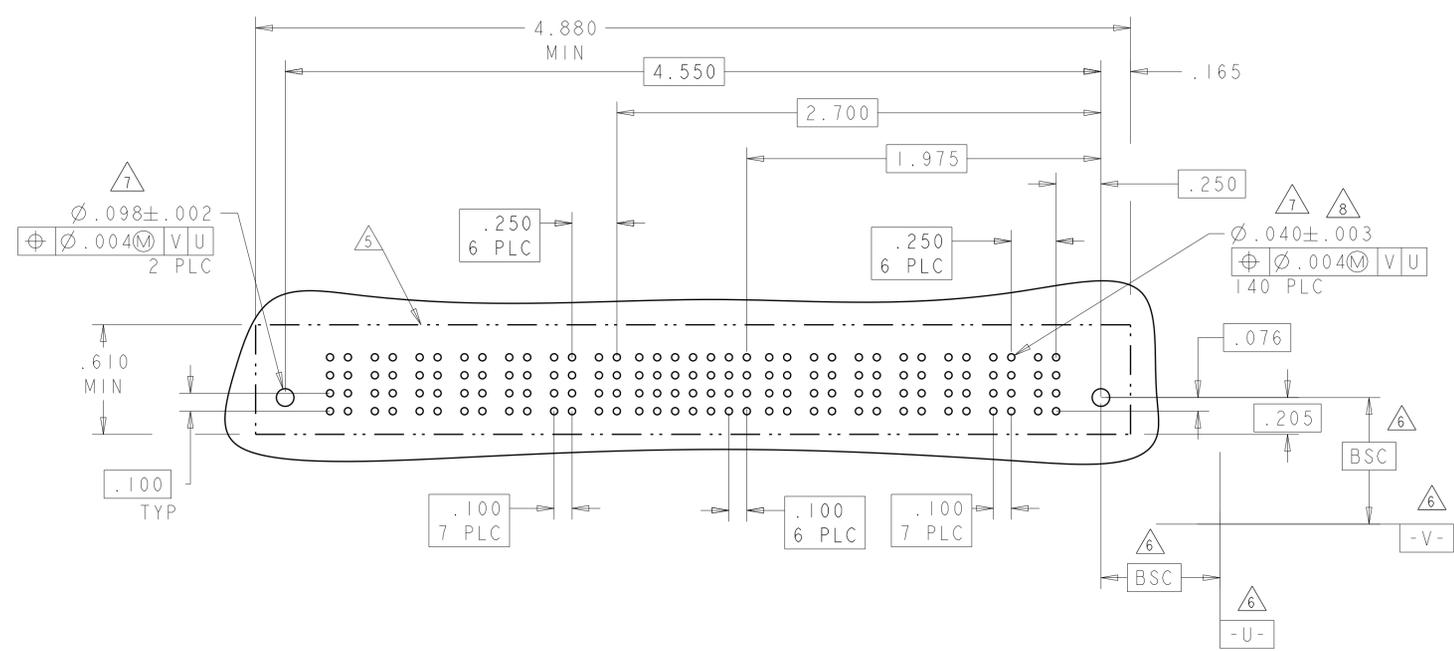
TE Connectivity

VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

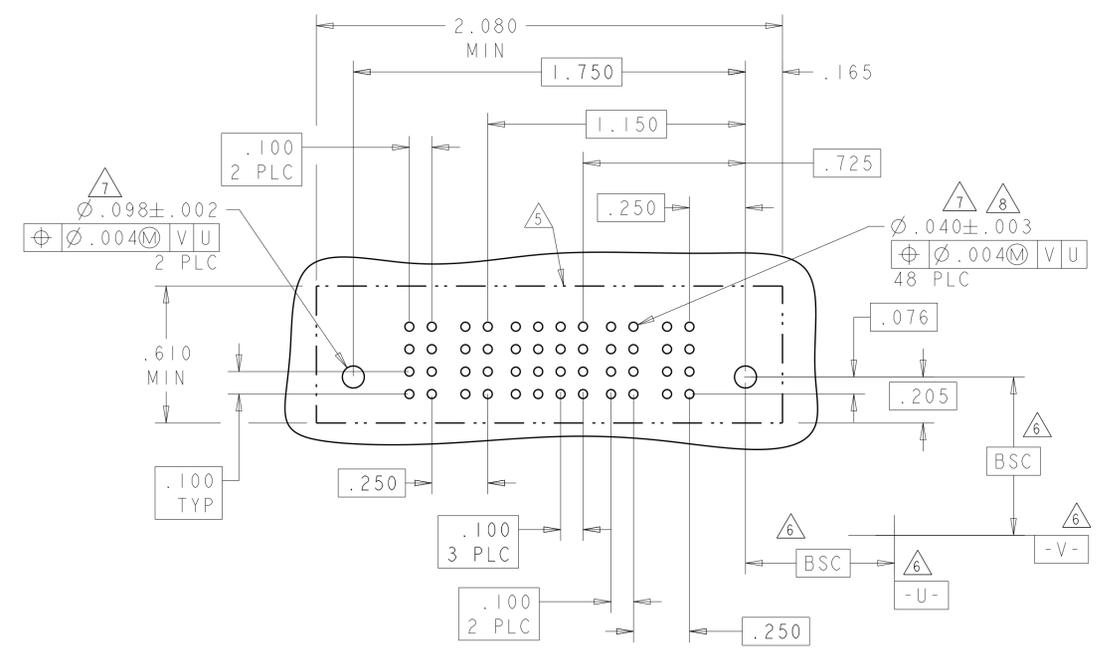
SIZE: A1 CAGE CODE: 6450140 DRAWING NO: 114-13038
 WEIGHT: 108-1973 APPLICATION SPEC: 108-1973
 CUSTOMER DRAWING

SCALE: 2:1 SHEET 5 OF 11 REV: E4

PART NUMBER	ROWS	POWER								SIGNAL								POWER							
		P14	P13	P12	P11	P10	P9	P8	7	6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1			
I-6450140-3	DCBA	VA	VA	VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	VA			
		VA	VA	VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	VA			
		VA	VA	VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	VA			
		VA	VA	VA	VA	VA	VA	VA	VA	E	E	E	E	E	E	VA	VA	VA	VA	VA	VA	VA			
7P + 28S + 7P																									

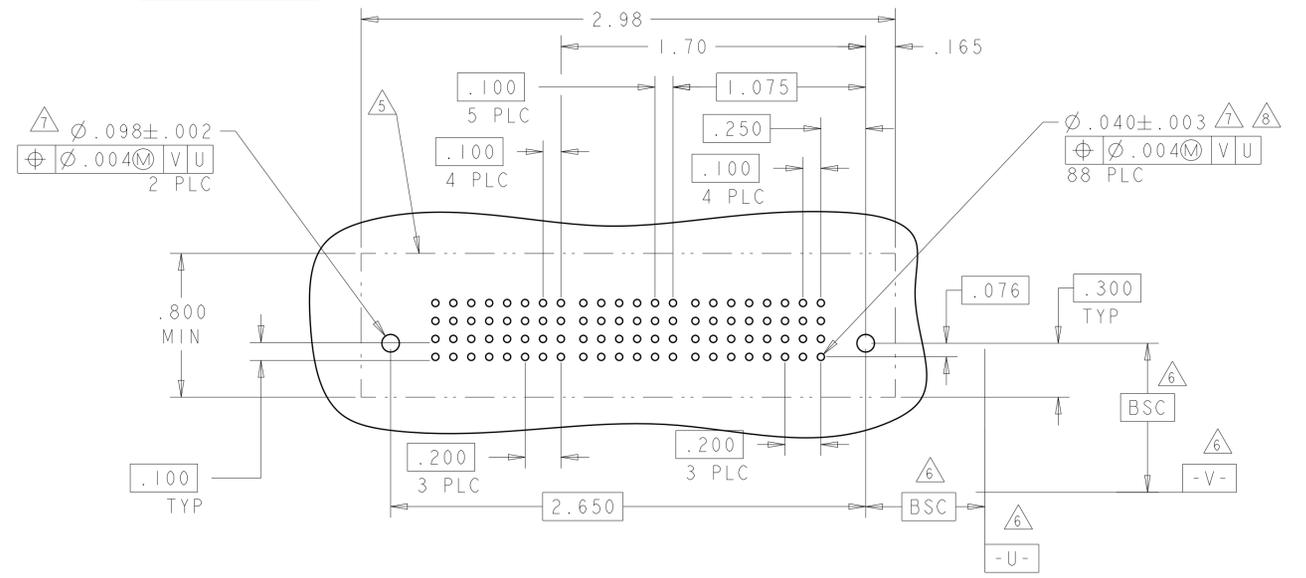


PART NUMBER	ROWS	POWER				SIGNAL				POWER			
		P4	P3	4	3	2	1	P2	P1	P2	P1	P2	P1
I-6450140-8	DCBA	VA	VA	E	E	E	E	VA	VA	VA	VA	E	E
		VA	VA	E	E	E	E	VA	VA	VA	VA	E	E
		VA	VA	E	E	E	E	VA	VA	VA	VA	E	E
		VA	VA	E	E	E	E	VA	VA	VA	VA	E	E
2P + 16S + 2P													

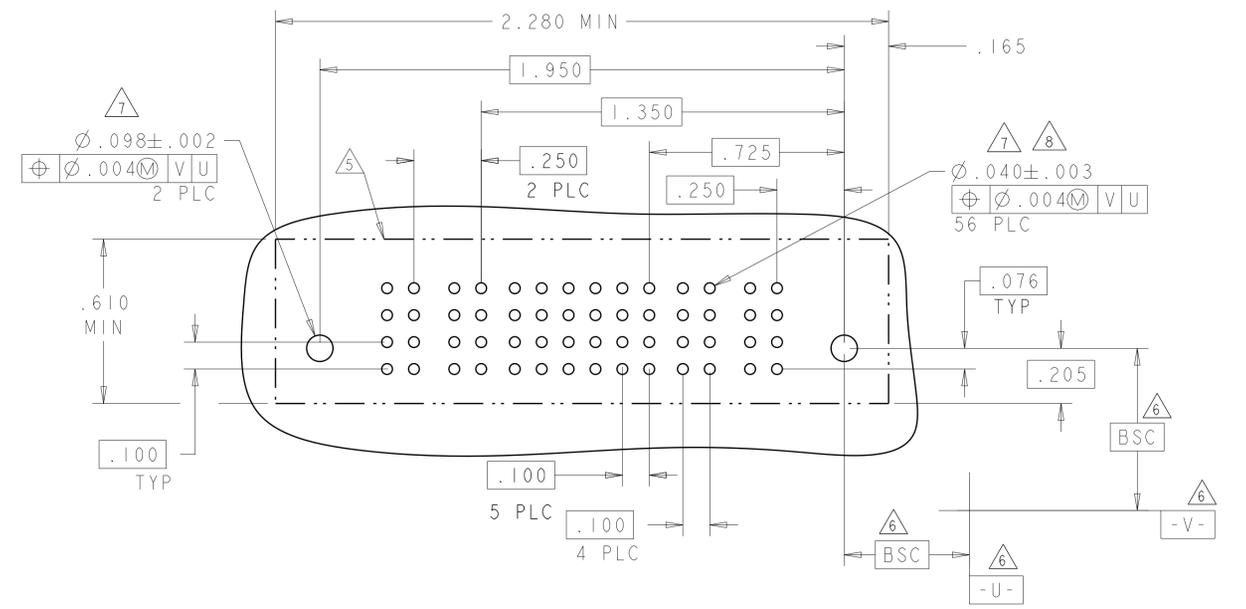


LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	OWN	APVD
ES	00	SEE SHEET 1			

PART NUMBER	ROWS	POWER					SIGNAL					POWER				
		P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1	
I-6450140-9	DCBA	VA	VA	VA	VA	E	E	E	E	E	VA	VA	VA	VA	VA	
		VA	VA	VA	VA	E	E	E	E	E	VA	VA	VA	VA	VA	
		VA	VA	VA	VA	E	E	E	E	E	VA	VA	VA	VA	VA	
		VA	VA	VA	VA	E	E	E	E	E	VA	VA	VA	VA	VA	
4HDP + 24S + 4HDP																



PART NUMBER	ROWS	POWER				SIGNAL				POWER			
		P4	P3	6	5	4	3	2	1	P2	P1	P2	P1
2-6450140-0	DCBA	VA	VA	E	E	E	E	E	E	VA	VA	E	E
		VA	VA	E	E	E	E	E	E	VA	VA	E	E
		VA	VA	E	E	E	E	E	E	VA	VA	E	E
		VA	VA	E	E	E	E	E	E	VA	VA	E	E
2P + 24S + 2P													



THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN: R. GRZYBOWSKI 15FEB05
 CHK: M. PERCHERKE 15FEB05
 APVD: M. PERCHERKE

DIMENSIONS: INCHES
 TOLERANCES UNLESS OTHERWISE SPECIFIED:
 0 PLC ±.
 1 PLC ±.01
 2 PLC ±.01
 3 PLC ±.005
 4 PLC ±.0020
 ANGLES ±.020

MATERIAL: FINISH:

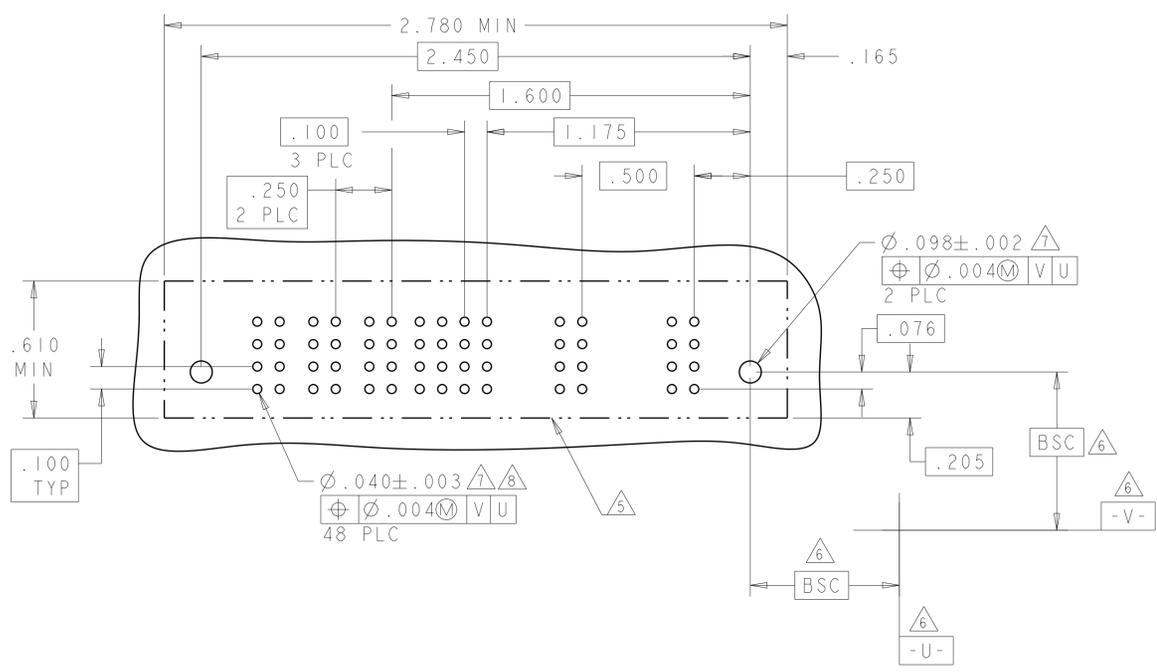
PRODUCT SPEC: 108-1973
 APPLICATION SPEC: 114-13038
 WEIGHT: A100779
 CUSTOMER DRAWING

NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
 SIZE: CAGE CODE: DRAWING NO: 6450140
 SCALE: 2:1 SHEET 7 OF 11 REV: E4

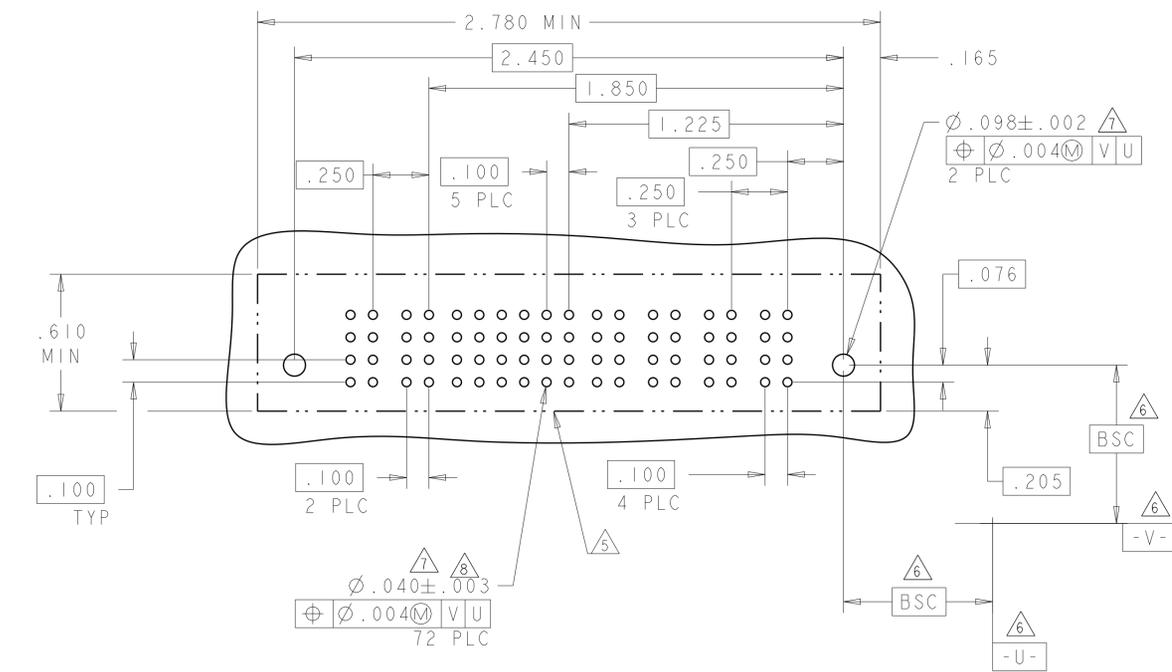
STE TE Connectivity

LOC	DIST	REV	DATE	BY	APPV
ES	00				

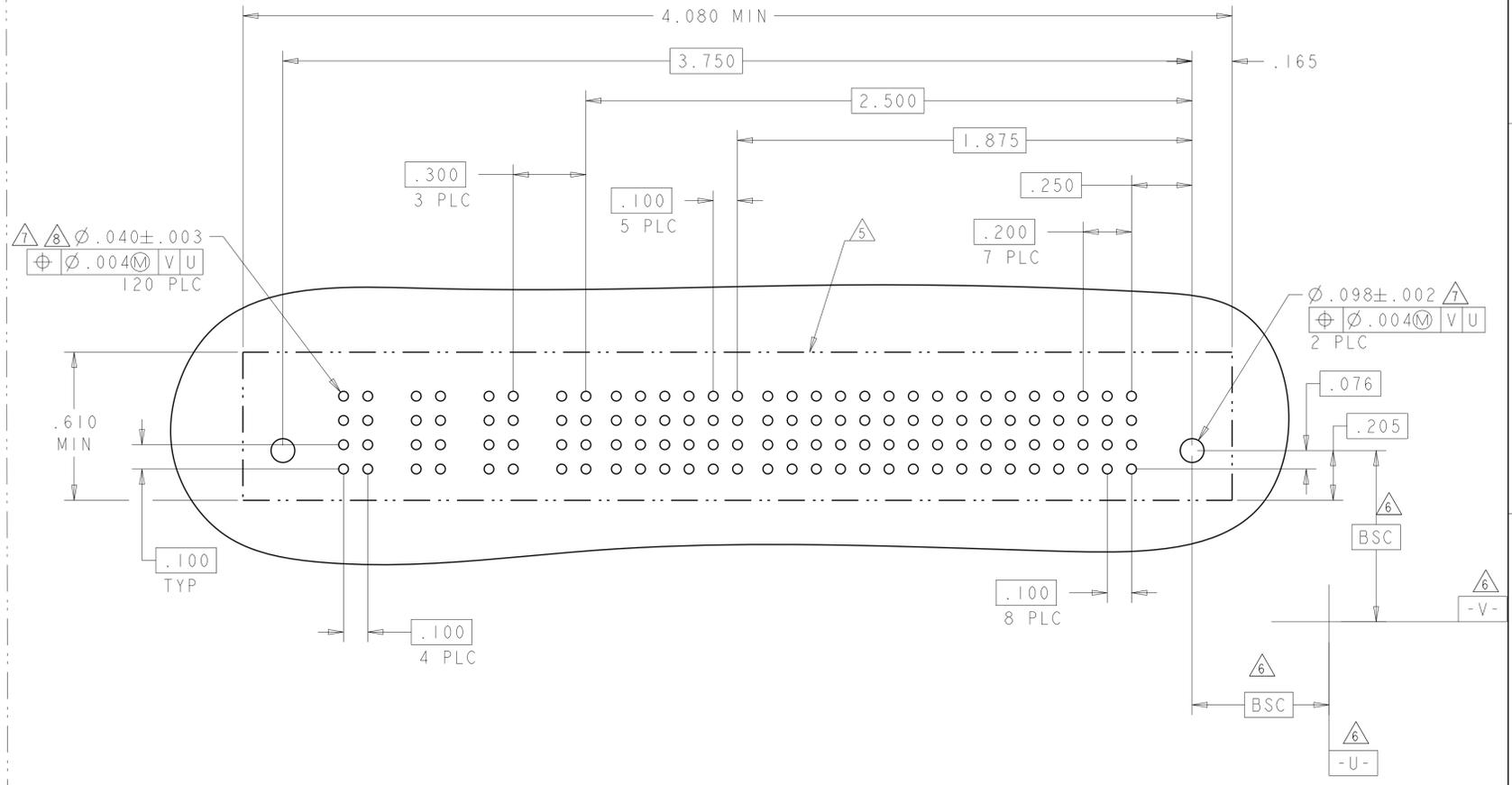
PART NUMBER	ROWS	POWER			SIGNAL						POWER		
		P6	P5	P4	6	5	4	3	2	1	P3	P2	P1
2-6450140-5	D C B A	VM	VM	VA	E	E	E	E	E	E	E	VM	VM
3P + 24S + 3P													



PART NUMBER	ROWS	POWER		SIGNAL						POWER					
		P6	P5	6	5	4	3	2	1	P4	P3	P2	P1		
2-6450140-7	D C B A	VM	VM	E	E	E	E	E	E	E	E	VM	VM	VM	VM
4P + 24S + 2P															



PART NUMBER	ROWS	POWER				SIGNAL						POWER													
		P12	P11	P10	P9	6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1						
2-6450140-6	D C B A	VM	VM	VM	VM	E	E	E	E	E	E	E	E	E	E	E	VM								
8P + 24S + 4ACP																									

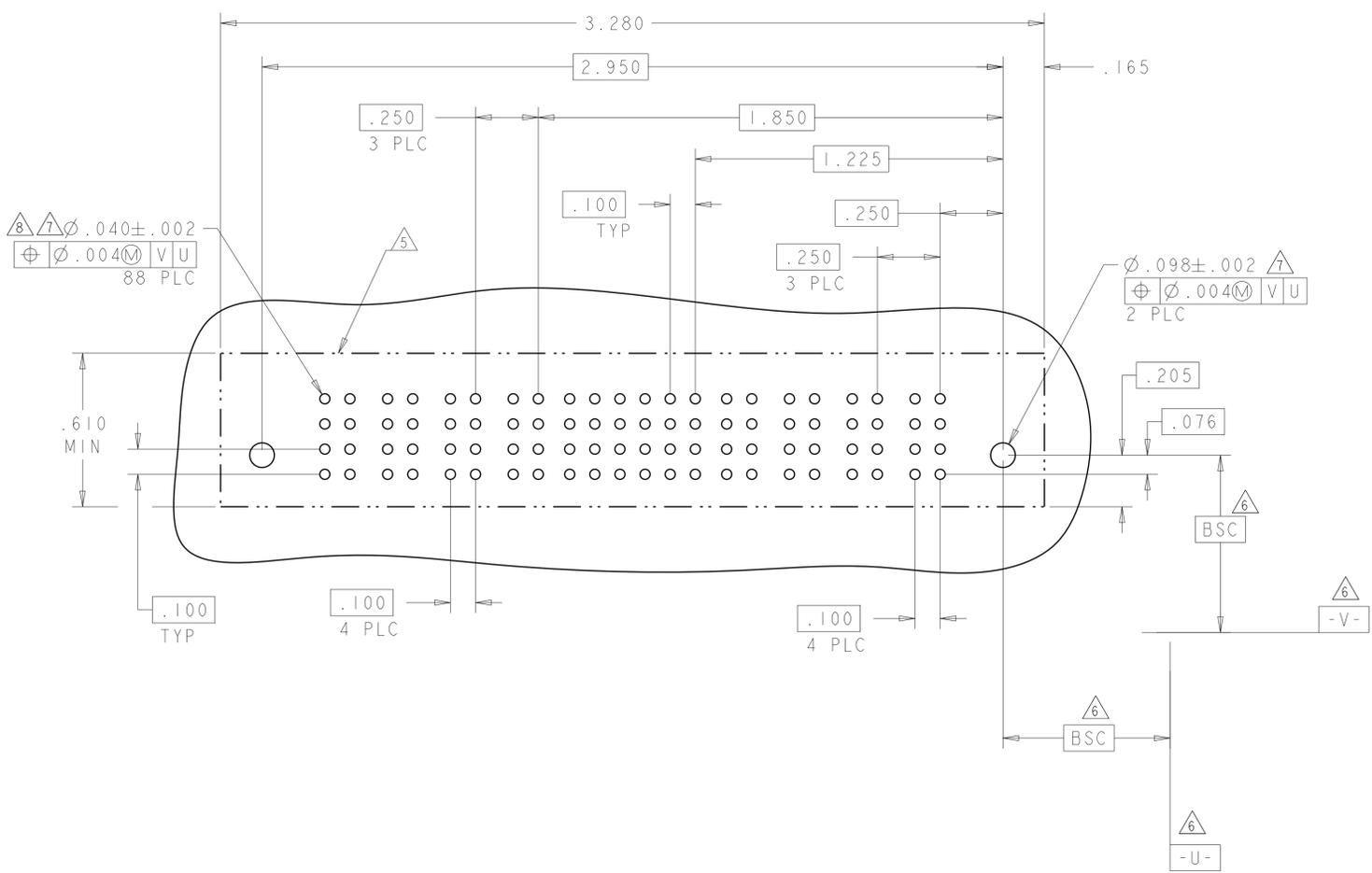


THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: R. GRZYBOWSKI 15FEB05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE 15FEB05	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCHERKE	NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
0 PLC ±.01 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.020		PRODUCT SPEC: 108-1973	SIZE: 114-13038
MATERIAL: FINISH:		APPLICATION SPEC: 114-13038	RESTRICTED TO: A100779C=6450140
CUSTOMER DRAWING		WEIGHT:	SCALE: 2:1 SHEET 8 OF 11 REV: E4

LOC	DIST	REV	DATE	BY	APPD
ES	00				

REVISIONS		DATE	BY	APPD
1	SEE SHEET 1			

PART NUMBER	ROWS	POWER				SIGNAL						POWER					
		P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1		
2-6450140-8	DCBA	VM	VM	VM	VM	E	E	E	E	E	E	E	E	E	E	E	
		VM	VM	VM	VM	E	E	E	E	E	E	E	E	E	E	E	
		VM	VM	VM	VM	E	E	E	E	E	E	E	E	E	E	E	
		VM	VM	VM	VM	E	E	E	E	E	E	E	E	E	E	E	
4P + 24S + 4P		HD														HD	



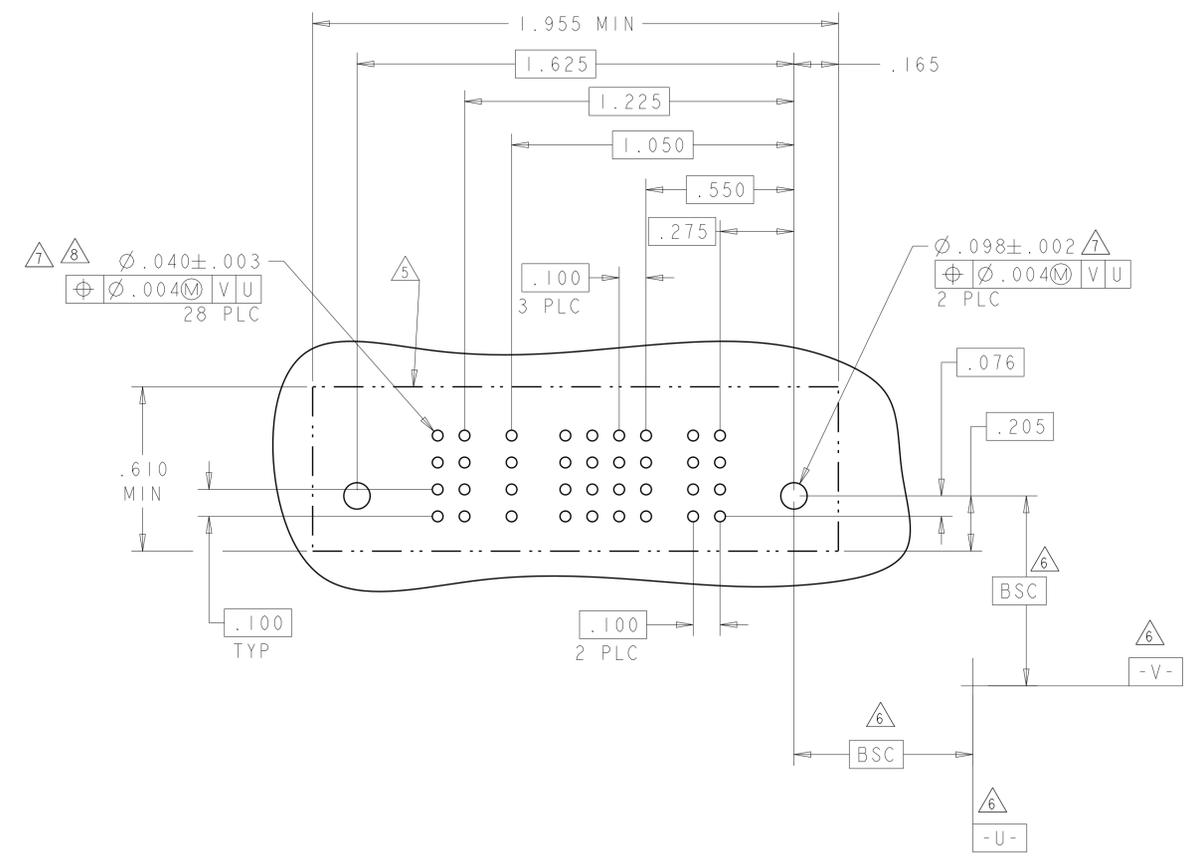
PART NUMBER	ROWS	POWER		SIGNAL						POWER		
		P2	P1	6	5	4	3	2	1	P4	P3	
3-6450140-5	DCBA	VA	VA	E	E	E	E	E	E	E	E	E
		VA	VA	E	E	E	E	E	E	E	E	E
		VA	VA	E	E	E	E	E	E	E	E	E
		VA	VA	E	E	E	E	E	E	E	E	E
IP + 24S + IP		HD								HD		

PART NUMBER	ROWS	POWER		SIGNAL						POWER		
		P2	P1	6	5	4	3	2	1	P4	P3	
3-6450140-6	DCBA	VA	VA	E	E	E	E	E	E	E	E	E
		VA	VA	E	E	E	E	E	E	E	E	E
		VA	VA	E	E	E	E	E	E	E	E	E
		VA	VA	E	E	E	E	E	E	E	E	E
IP + 24S + IP		HD								HD		

(E3)

NO CONTACTS LOADED

NO CONTACTS LOADED



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	OWN: R. GRZYBOWSKI 15FEB05	CHK: M. PERCHERKE	APVD: M. PERCHERKE	NAME:
INCHES	0 PLC ± .01 1 PLC ± .01 2 PLC ± .01 3 PLC ± .005 4 PLC ± .002 ANGLES ± .020	PRODUCT SPEC	108-1973	APPLICATION SPEC	114-13038
MATERIAL:	FINISH:	WEIGHT:	SCALE: 2:1	SHEET: 9 OF 11	REV: E4

STE TE Connectivity

VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

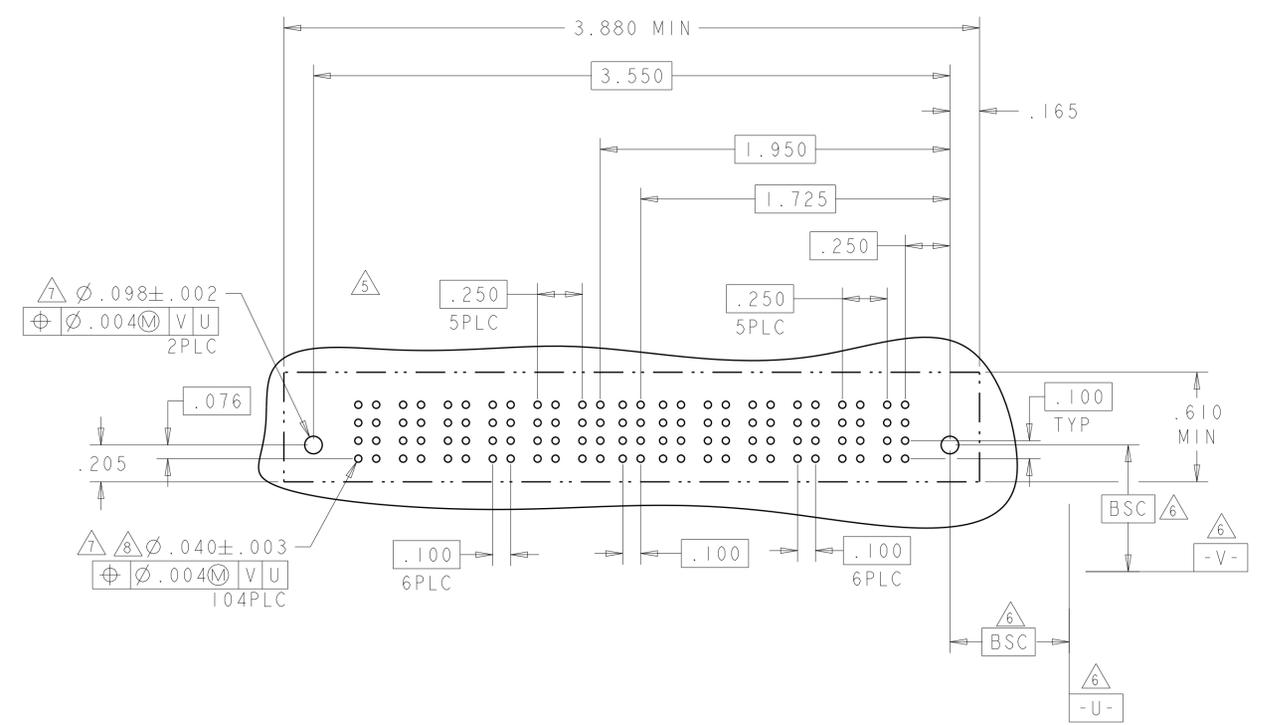
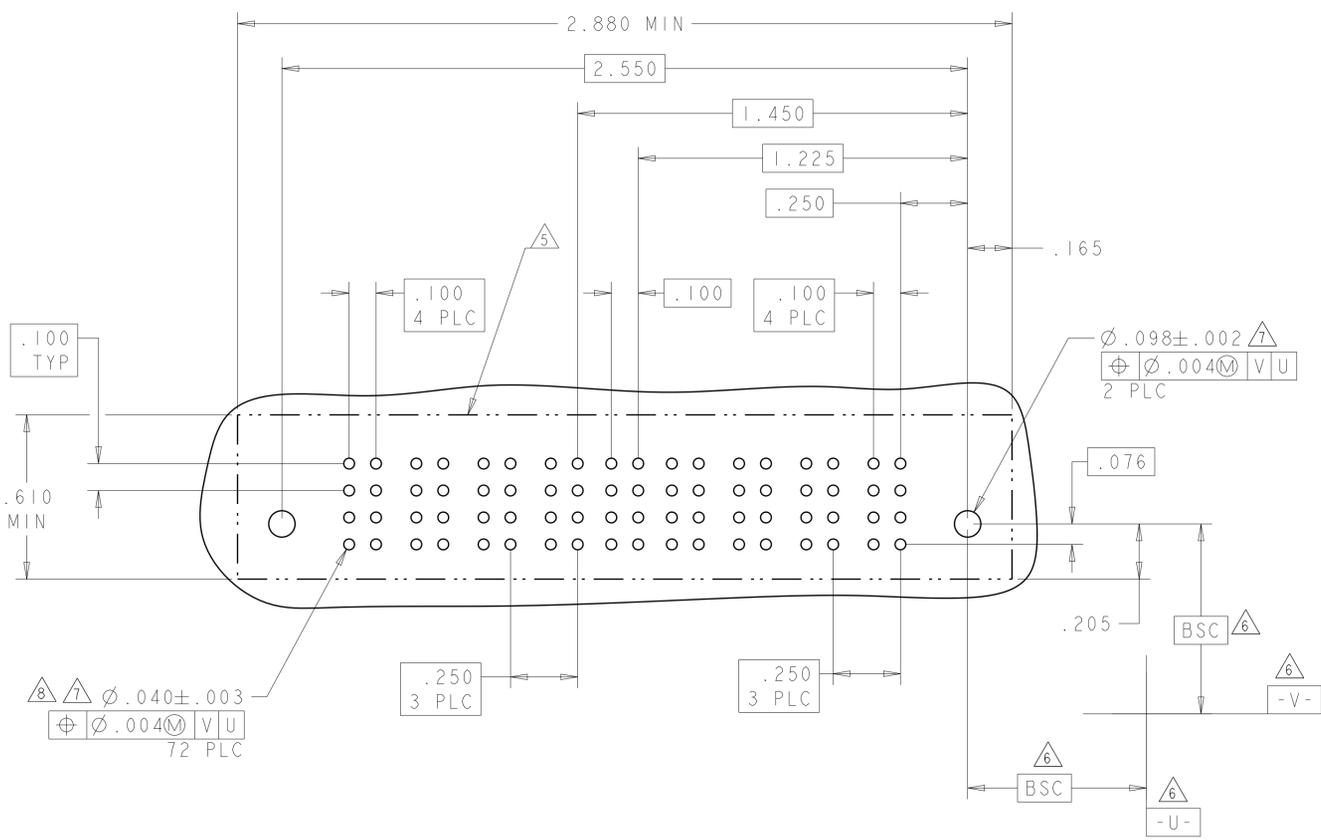
SIZE: CAGE CODE: DRAWING NO: A100779C=6450140

CUSTOMER DRAWING

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

PART NUMBER	ROWS	POWER				SIGNAL		POWER			
		P8	P7	P6	P5	2	1	P4	P3	P2	P1
2-6450140-9	D C B A	VM	VM	VM	VM	E	E	VM	VM	VM	VM
						E	E				
						E	E				
						E	E				
4P + 8S + 4P		HD		HD							

PART NUMBER	ROWS	POWER						SIGNAL		POWER					
		P12	P11	P10	P9	P8	P7	2	1	P6	P5	P4	P3	P2	P1
3-6450140-0	D C B A	VM	VM	VM	VM	VM	VM	E	E	VM	VM	VM	VM	VM	
								E	E						
								E	E						
								E	E						
6P+8S+6P		HD		HD											

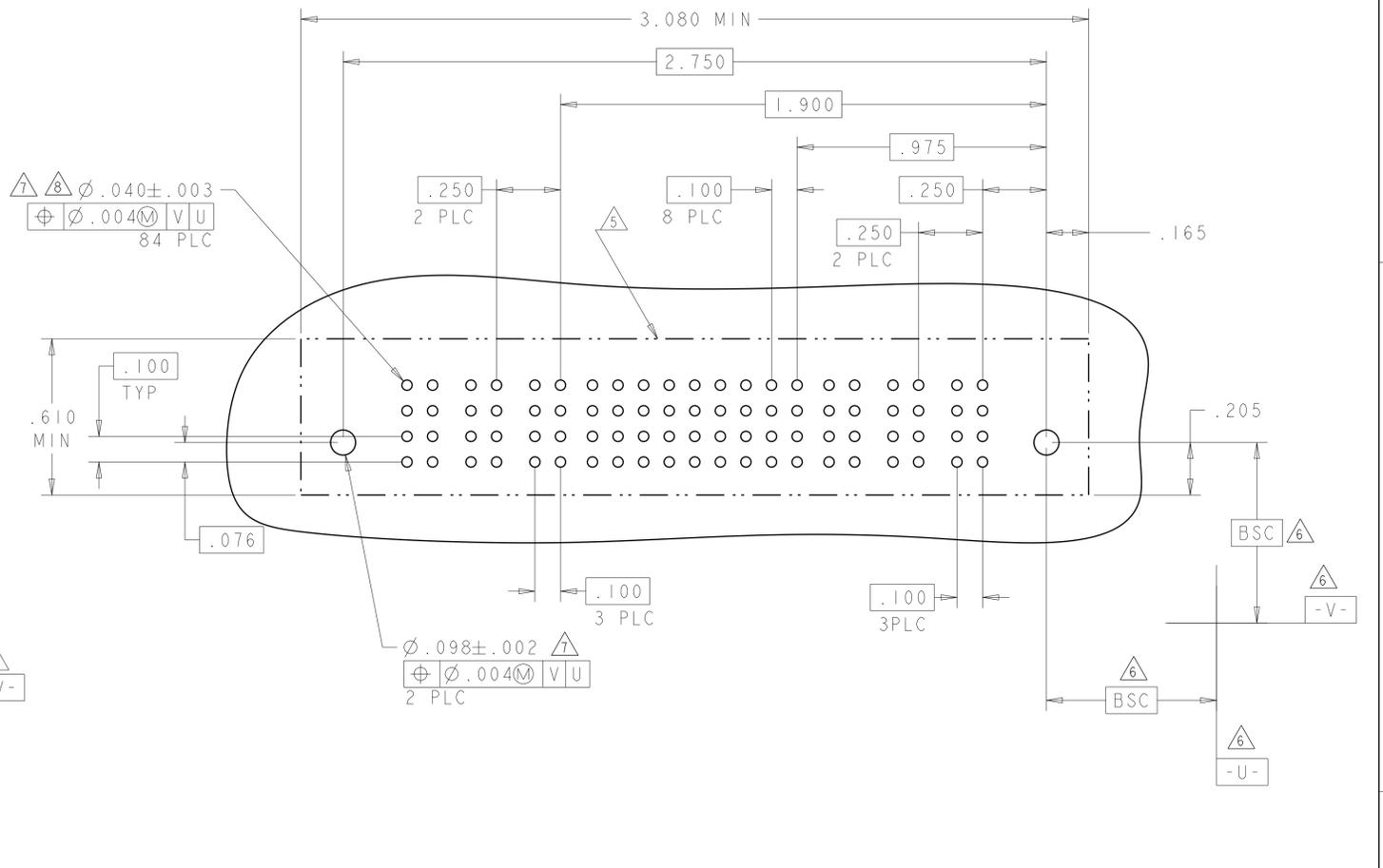
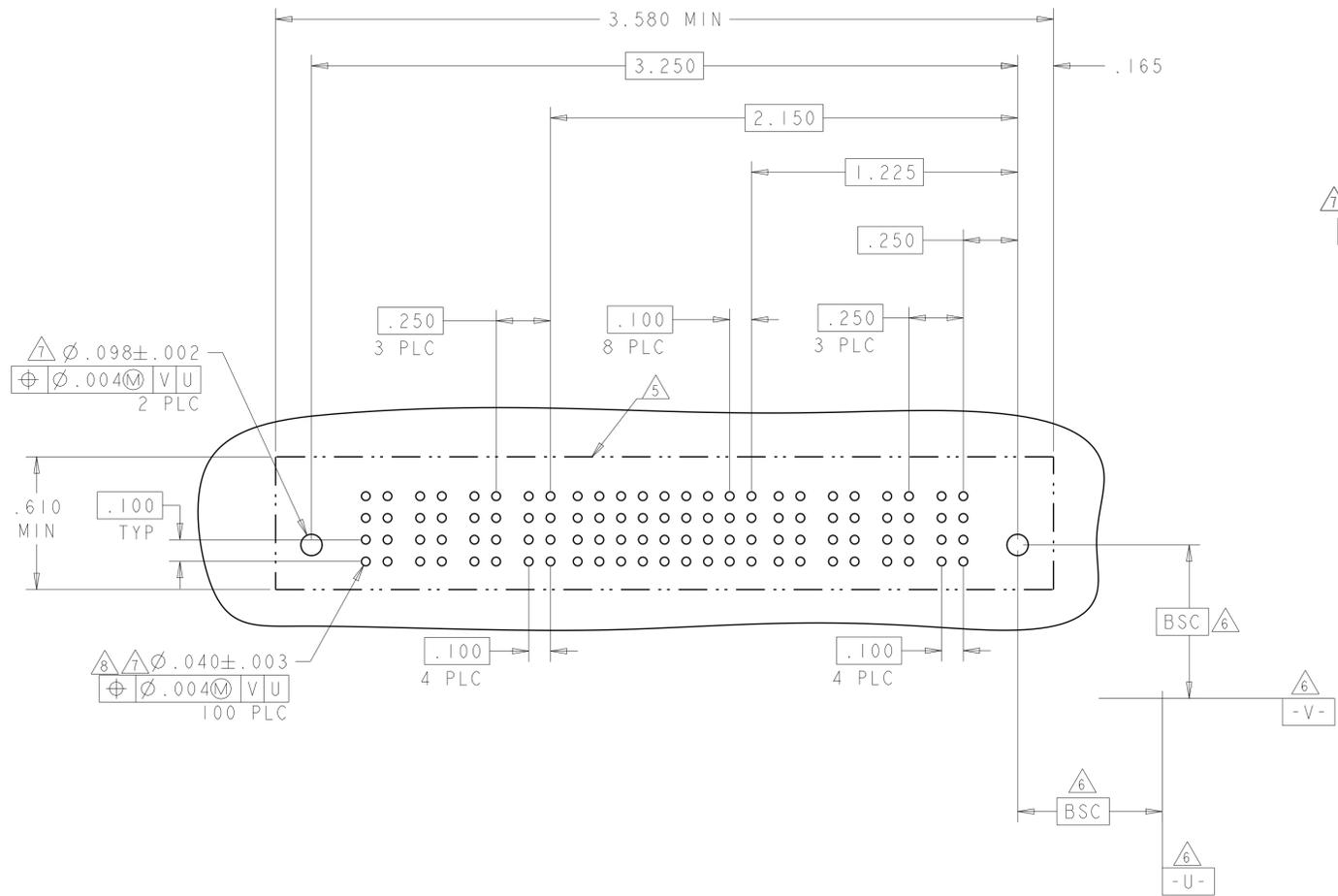


THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: R. GRZYBOWSKI 15FEB05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: M. PERCHERKE	NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
0 PLC ± 1 PLC ±.01 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±.2°		PRODUCT SPEC: 108-1973	SIZE: CAGE CODE DRAWING NO: A100779C=6450140
MATERIAL: FINISH:		APPLICATION SPEC: 114-13038	RESTRICTED TO: -
		WEIGHT: CUSTOMER DRAWING	SCALE: 2:1 SHEET 10 OF 11 REV: E4

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

PART NUMBER	ROWS	SIGNAL																
		P8	P7	P6	P5	9	8	7	6	5	4	3	2	1	P4	P3	P2	P1
3-6450140-1	D	VM	VM	VM	VM	E	E	E	E	E	E	E	E	E	VM	VM	VM	VM
	C					E	E	E	E	E	E	E	E					
	B					E	E	E	E	E	E	E	E					
	A					E	E	E	E	E	E	E	E					
4P + 36S + 4P		HD																

PART NUMBER	ROWS	POWER			SIGNAL								POWER				
		P6	P5	P4	9	8	7	6	5	4	3	2	1	P3	P2	P1	
3-6450140-4	DCBA	VM	VM	VM	E	E	E	E	E	E	E	E	E	E	VM	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				
3P + 36S + 3P		HD															



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN: R. GRZYBOWSKI 15FEB05	TE Connectivity
DIMENSIONS: INCHES		CHK: M. PERCHERKE	
		APVD: M. PERCHERKE	NAME: VERTICAL RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC: 108-1973	SIZE: A1
0 PLC ± .01		APPLICATION SPEC: 114-13038	CAGE CODE: 6450140
1 PLC ± .01		WEIGHT: -	RESTRICTED TO: -
2 PLC ± .01		CUSTOMER DRAWING	SCALE: 2:1
3 PLC ± .005			SHEET 11 OF 11
4 PLC ± .0020			REV: E4
ANGLES: ± 30°			
FINISH: -			