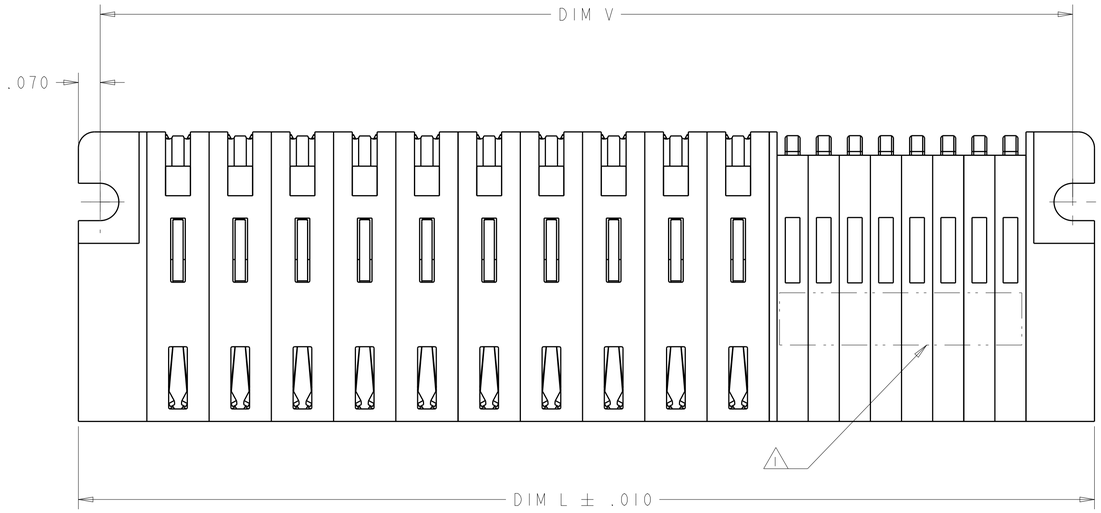
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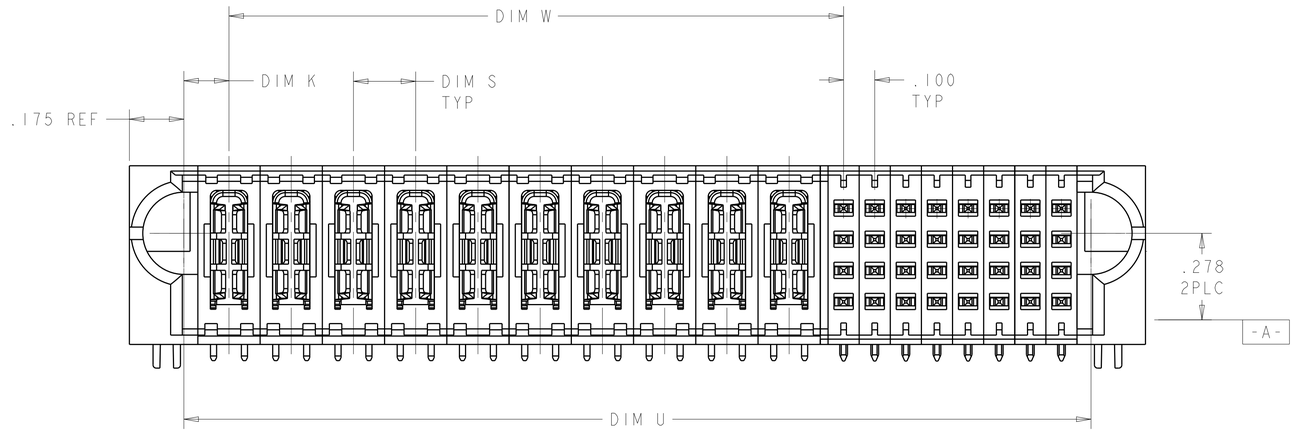
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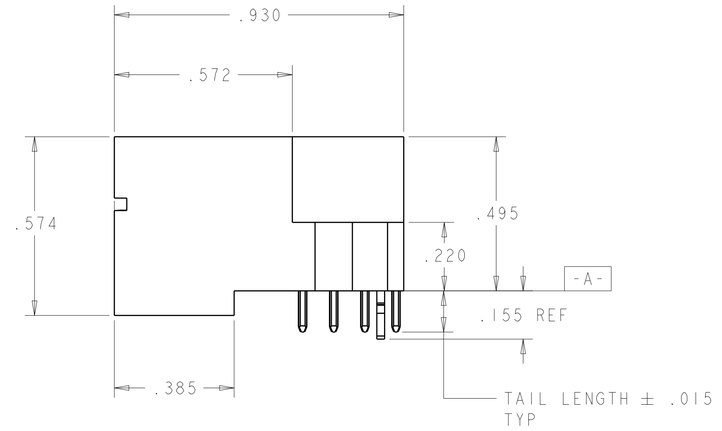
REVISIONS

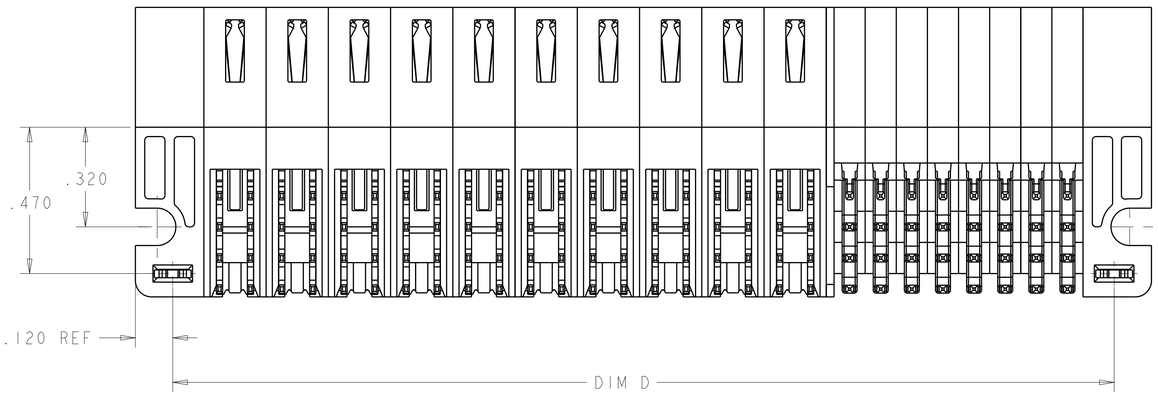
P	LTR	DESCRIPTION	DATE	DWN	APVD
	K4	REVISED 4-7 BY CUSTOMER	18MAY2015	CZ	SZ
	K5	REVISED 4-7 SIGNAL PINS BY CUSTOMER	09JUN2015	CZ	SZ
	K6	REV PER ECO-17-001490	12DEC2016	CZ	SZ



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 - COPPER ALLOY
   POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
3. CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA
   OF SIGNAL CONTACTS AND POWER 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 ±.030 HOLE
8. FOR CONFIGURATION "L/P","P/LP/S",PLEASE REFER TO SHEET 3.
9. VARIABLE DIMENSIONS PLEASE SEE PART TABLE.







THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN H.LIU 27MAY2008	TE Connectivity
		CHK S.ZHAO 27MAY2008	
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	APVD S.ZHAO -	NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE
		PRODUCT SPEC 108-2292	
		APPLICATION SPEC 114-13251	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-6450832 · RESTRICTED TO -
MATERIAL 2	FINISH 3	WEIGHT -	
CUSTOMER DRAWING		SCALE 2:1 · SHEET 1 OF 24	REV K6

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LOC	DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

DIM S	DIM L	DIM V	DIM U	DIM D	DIM W	DIM K	DESCRIPTION	PART NUMBER
(9)	4.640	4.500	4.290	4.400	2.550	.145	5P + 2HDP + 4P + 64S	5-6450832-9
(9)	5.290	5.150	4.940	5.050	4.050	.195	15P + 28S	4-6450832-7
.200	2.965	2.825	2.615	2.725	1.975	.145	10HDP + 20S	4-6450832-6
(9)	2.090	1.950	1.740	1.850	1.000	.145	5HDP + 24S	4-6450832-5
.200	1.990	1.850	1.640	1.750	.975	.170	5HDP + 20S	4-6450832-4
(9)	3.790	3.650	3.440	3.550	2.625	.170	12P + 24S	4-6450832-3
.250	3.240	3.100	2.890	3.000	1.925	.170	8P + 32S	4-6450832-2
.250	3.240	3.100	2.890	3.000	1.925	.170	8P + 32S	4-6450832-1
.350	1.565	1.325	1.215	1.425	.975	.145	3P + 4S	4-6450832-0
.250	3.040	2.900	2.690	2.800	1.925	.170	8HDP + 24S	3-6450832-9
(9)	2.965	2.825	2.615	2.725	1.825	.195	3ACP + 4P + 24S	3-6450832-8
(9)	5.290	5.150	4.940	5.050	4.050	.195	15P + 28S	3-6450832-6
.200	1.990	1.850	1.640	1.750	.975	.170	5HDP + 20S	3-6450832-5
.250	3.090	2.950	2.740	2.850	1.950	.170	8P + 24S	3-6450832-4
(9)	4.640	4.500	4.290	4.400	2.550	.145	5P + 2HDP + 4P + 64S	3-6450832-3
.200	3.265	3.125	2.915	3.025	2.175	.145	11HDP + 24S	3-6450832-2
.115 (8)	.945	.805	.595	.705	.2725 (8)	.1025 (8)	2LP + 8S	3-6450832-1
.375	2.240	2.100	1.890	2.000	1.500	.170	4ACP + 8S	3-6450832-0
.200	3.265	3.125	2.915	3.025	2.175	.145	11HDP + 24S	2-6450832-8
.200	3.065	2.925	2.715	2.825	1.975	.145	10HDP + 24S	2-6450832-7
.200	2.240	2.100	1.890	2.000	1.150	.145	6HDP + 24S	2-6450832-6
(8)	2.420	2.280	2.070	2.180	1.330	.145	5P + 2LP + 24S	2-6450832-5
(8)	3.065	2.925	2.715	2.825	1.525	.195	4P + 40S	2-6450832-4
(8)	4.015	3.875	3.665	3.775	3.075	.195	3ACP + 9P + 16S	2-6450832-3
.250	2.415	2.275	2.065	2.175	1.425	.145	6P + 20S	2-6450832-2
(8)	2.420	2.280	2.070	2.180	1.330	.145	5P + 2LP + 24S	2-6450832-0
.250	3.790	3.650	3.440	3.550	2.675	.170	11P + 24S	1-6450832-9
(8)	3.740	3.600	3.390	3.500	2.625	.170	3ACP + 8P + 24S	1-6450832-7
(8)	3.790	3.650	3.440	3.550	2.700	.145	13P + 24S	1-6450832-6
.250	1.490	1.350	1.140	1.250	.675	.170	3P + 12S	1-6450832-4
.250	1.565	1.425	1.215	1.325	.425	.170	2P + 24S	1-6450832-2
.250	3.790	3.650	3.440	3.550	2.900	.145	12P + 16S	1-6450832-0
(8)	1.590	1.450	1.240	1.350	.650	.170	2P + 8S	6450832-9
.115 (8)	.970	.830	.620	.730	.2725 (8)	.1275 (8)	2LP + 8S	6450832-8
(8)	3.740	3.600	3.390	3.500	2.625	.170	3ACP + 8P + 24S	6450832-7
.200	3.065	2.925	2.715	2.825	1.975	.145	10HDP + 24S	6450832-5
.200	3.065	2.925	2.715	2.825	1.975	.145	10HDP + 24S	6450832-4
.250	2.565	2.425	2.215	2.325	1.425	.170	6P +24S	6450832-3
(8)	2.575	2.435	2.225	2.335	1.460 (8)	.170 (8)	4P + 4LP + 24S	6450832-2
.200	3.265	3.125	2.915	3.025	1.975	.145	10HDP + 32S	6450832-1

(H) VIEW IN SHEET 6

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DIMENSIONS: INCHES

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

MATERIAL

FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-6450832 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 4:1 | SHEET 2 OF 24 | REV K6

4805 (3/11)

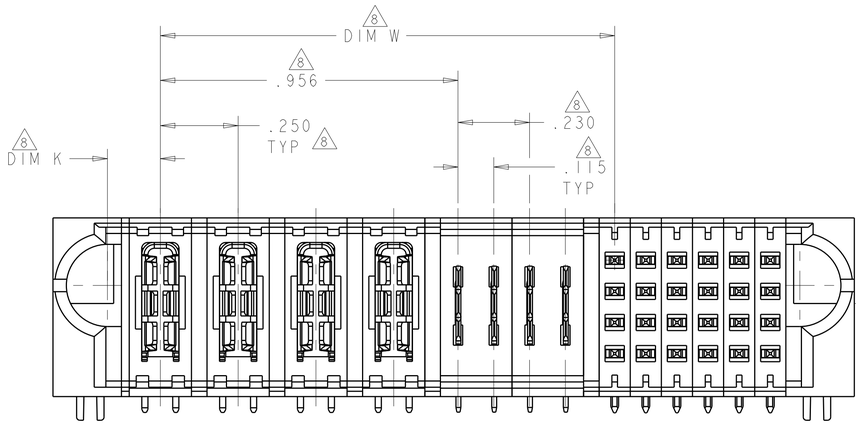
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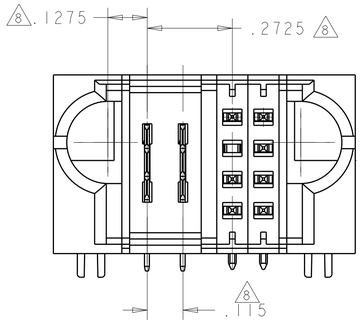
LOC	DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



FOR P/N:6450832-2, OTHER DIMENSIONS PLEASE SEE TABLE



FOR P/N:6450832-8 AND 3-6450832-1, OTHER DIMENSIONS PLEASE SEE SHEET 1

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DIMENSIONS: INCHES

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

MATERIAL

FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 3 OF 24 | REV K6

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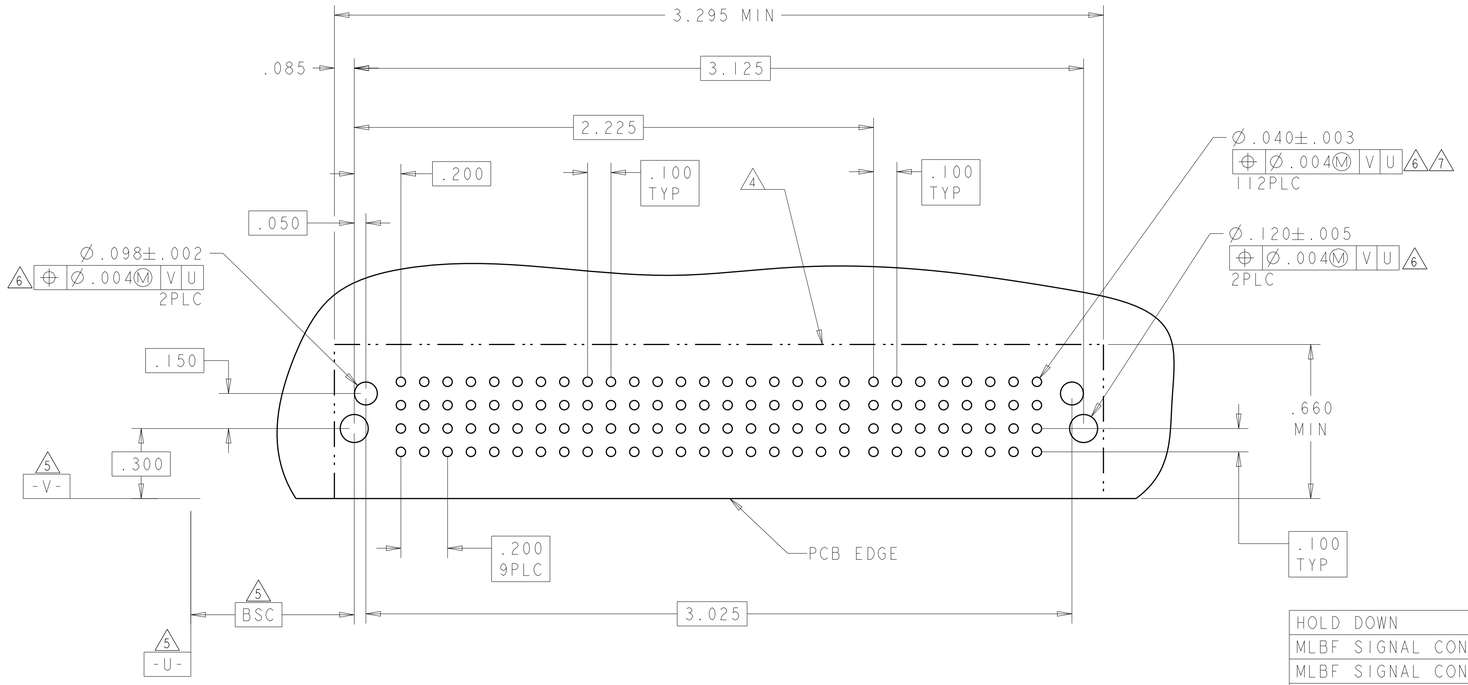
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LOC	DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER										SIGNAL							
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5	6	7	8
6450832-1	D	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	J	J	J	J	J	J	J	J
	C											K	K	K	K	K	K	K	K
	B											N	N	N	N	N	G	N	N
	A											S	S	S	S	S	S	S	S
		HD																	HD
10HDP + 32S																			



DESCRIPTION	IDENTIFIER
HOLD DOWN	HD
MLBF SIGNAL CONTACT, .135 TAIL LENGTH, ROW D	E
MLBF SIGNAL CONTACT, .135 TAIL LENGTH, ROW C	F
MLBF SIGNAL CONTACT, .135 TAIL LENGTH, ROW B	G
MLBF SIGNAL CONTACT, .135 TAIL LENGTH, ROW A	H
MFBL SIGNAL CONTACT, .135 TAIL LENGTH, ROW D	FJ
MFBL SIGNAL CONTACT, .135 TAIL LENGTH, ROW C	FK
MFBL SIGNAL CONTACT, .135 TAIL LENGTH, ROW B	FN
MFBL SIGNAL CONTACT, .135 TAIL LENGTH, ROW A	FS
STANDARD SIGNAL CONTACT, .135 TAIL LENGTH, ROW D	J
STANDARD SIGNAL CONTACT, .135 TAIL LENGTH, ROW C	K
STANDARD SIGNAL CONTACT, .135 TAIL LENGTH, ROW B	N
STANDARD SIGNAL CONTACT, .135 TAIL LENGTH, ROW A	S
MFBL LOWER POWER CONTACT.135 TAIL LENGTH.	LMF
STD LOWER POWER CONTACT .135 TAIL LENGTH	LM
3-BEAM POWER CONTACT, .135 TAIL LENGTH	TM

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DIMENSIONS: INCHES

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

MATERIAL

FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-6450832 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 4:1 | SHEET 4 OF 24 | REV K6

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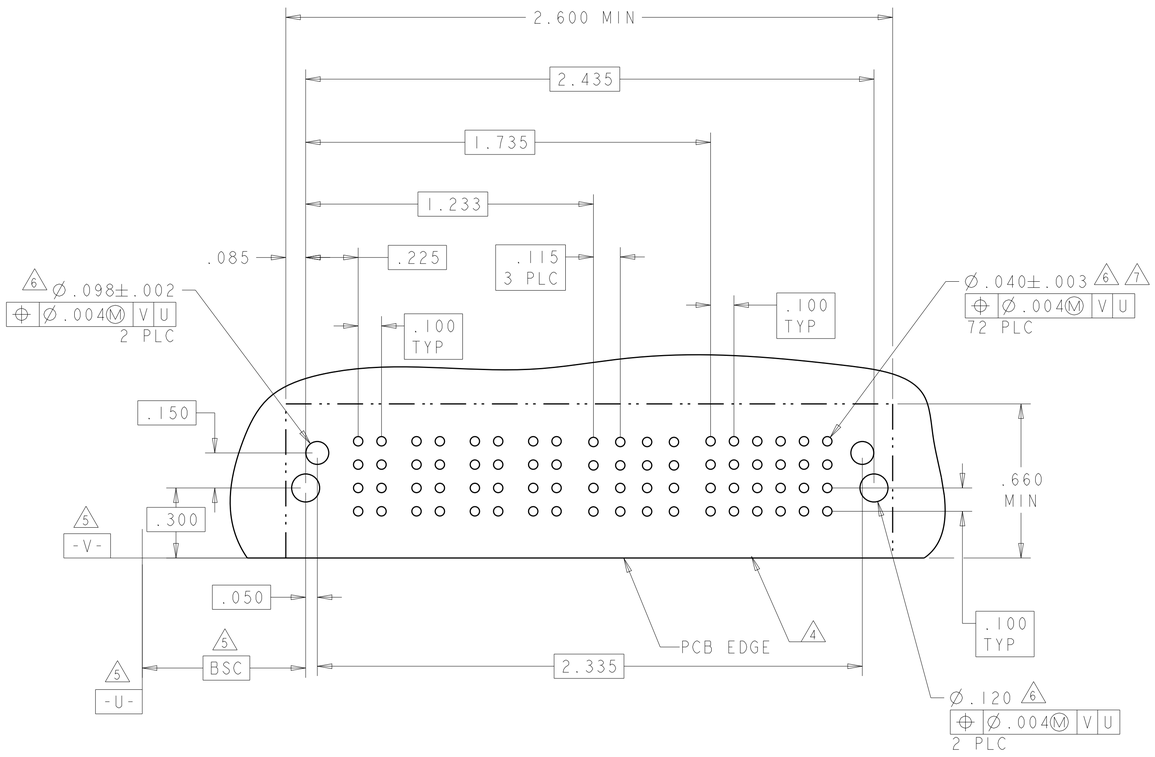
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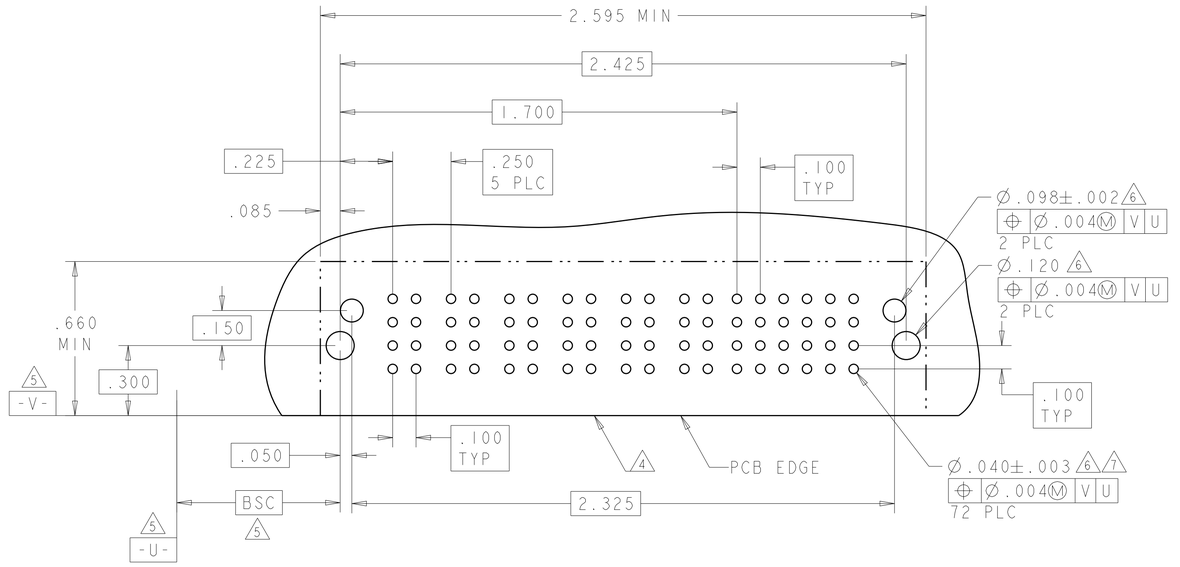
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER								SIGNAL						
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	
6450832-2	D C B A	TM	TM	TM	TM	LM	LM	LM	LM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	HD
4P + 4LP + 24S																

PART NUMBER	ROWS	POWER						SIGNAL						
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	
6450832-3	D C B A	TM	TM	TM	TM	TM	TM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	HD
6P + 24S														





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

MATERIAL

FINISH

DWN	H.LIU	27MAY2008
CHK	S.ZHAO	27MAY2008
APVD	S.ZHAO	-
PRODUCT SPEC	108-2292	
APPLICATION SPEC	114-13251	
WEIGHT	-	

CUSTOMER DRAWING

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

SCALE	SHEET	OF	REV
4:1	5	24	K6

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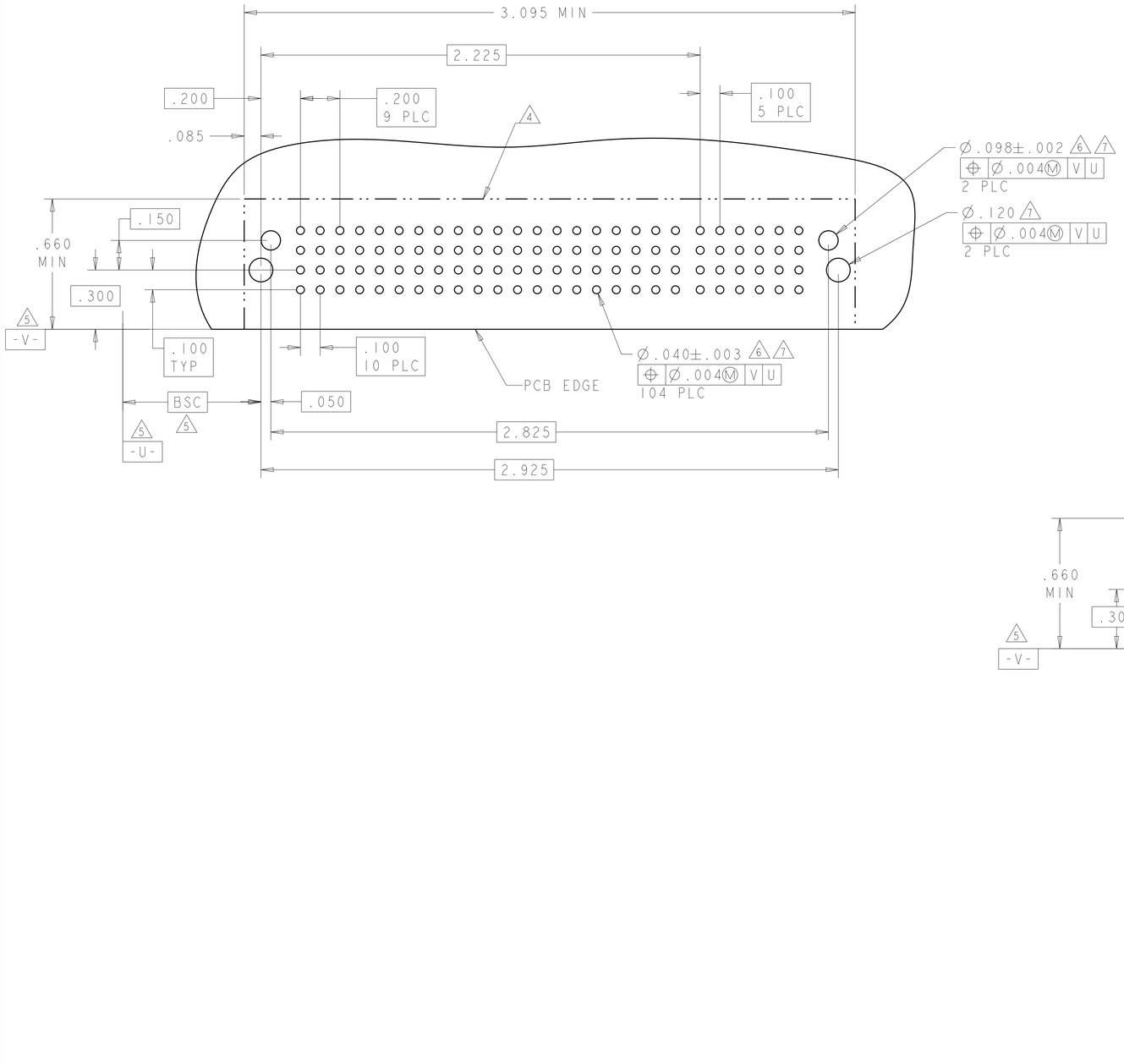
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	-	SEE SHEET 1	-	-	-

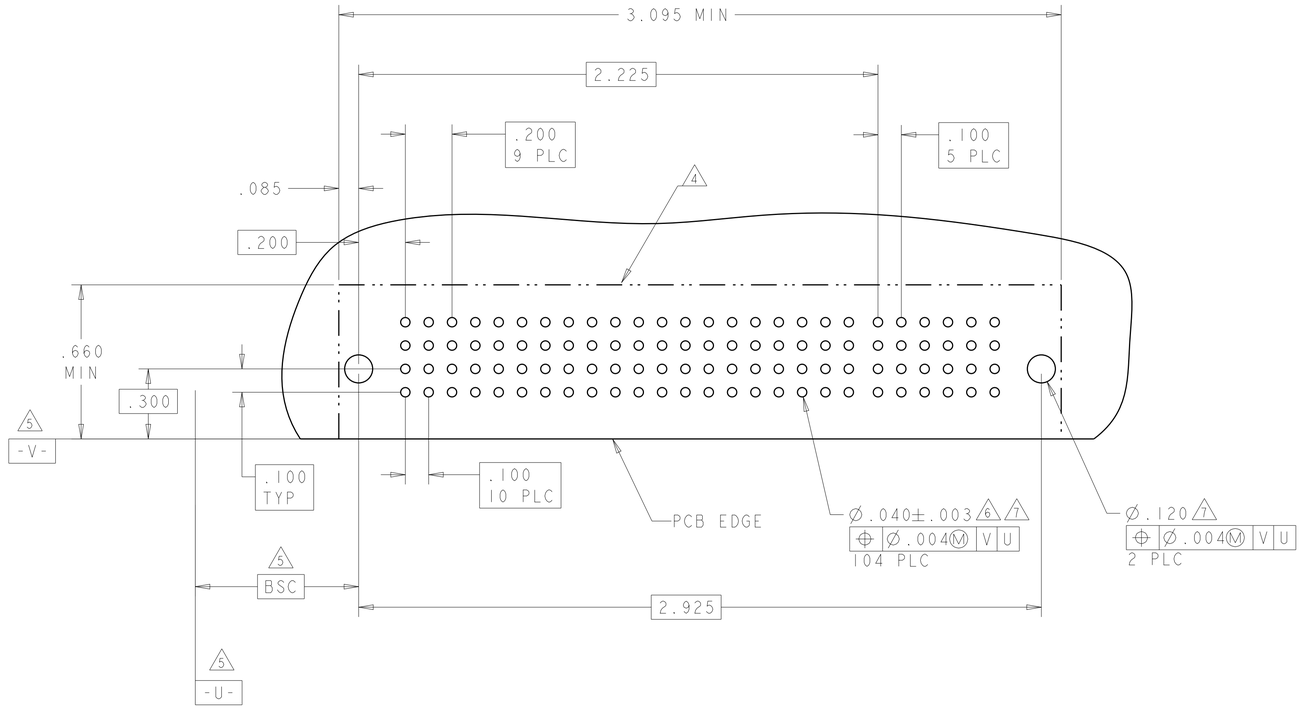
PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	SIGNAL 1	2	3	4	5	6
6450832-4	D	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	J	J	J	J	J	J
	C											K	K	K	K	K	K
	B											N	N	N	N	N	N
	A	HD										H	S	S	S	S	S
10HDP + 24S																	HD

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	SIGNAL 1	2	3	4	5	6
6450832-5	D	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	J	J	J	J	J	J
	C											K	K	K	K	K	K
	B											N	N	N	N	N	N
	A											H	S	S	S	S	S
10HDP + 24S																	

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	SIGNAL 1	2	3	4	5	6
2-6450832-7	D	TM		TM		TM		TM	TM	TM	TM	J	J	J	J	J	J
	C											K	K	K	K	K	K
	B											N	N	N	N	N	N
	A											H	S	S	S	S	S
10HDP + 24S																	

NO LOADING CONTACTS





PCB LAYOUT FOR P/N: 6450832-5 AND 2-6450832-7

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	CHK S.ZHAO 27MAY2008		
DIMENSIONS: INCHES	APVD S.ZHAO -	NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 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 C-6450832 RESTRICTED TO -
MATERIAL	WEIGHT -	SCALE 4:1	SHEET 6 OF 24 REV K6
FINISH	CUSTOMER DRAWING		

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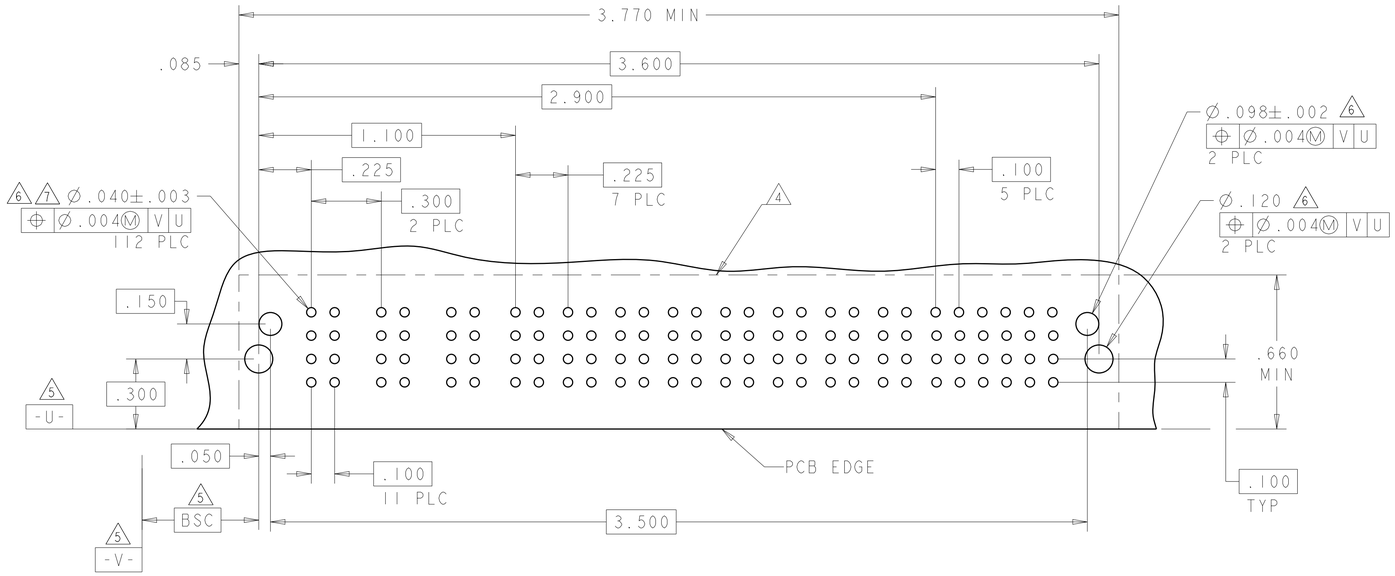
LOC	DIST

REVISIONS

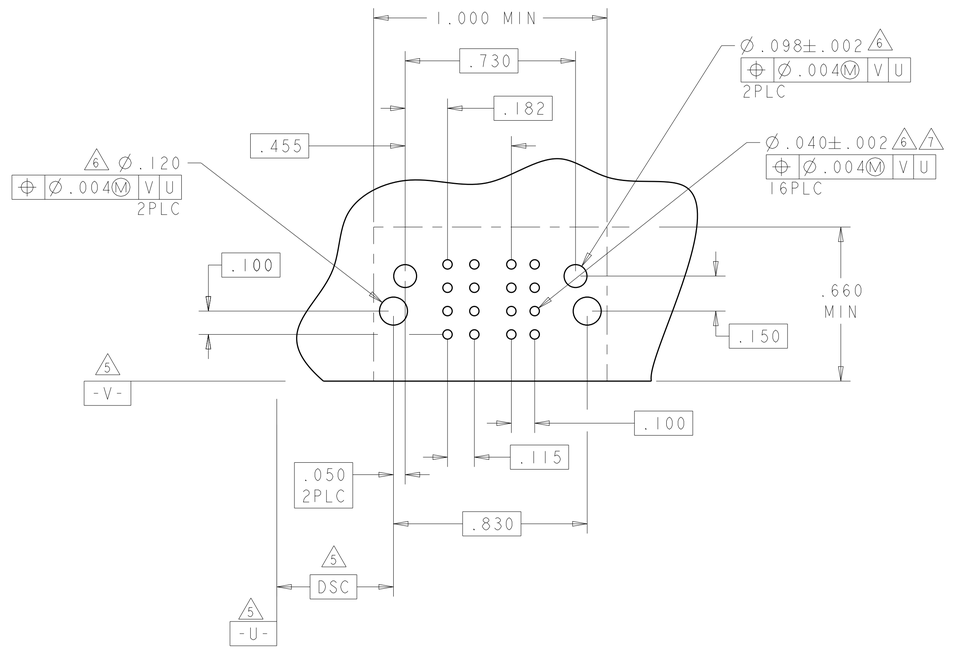
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER											SIGNAL					
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	1	2	3	4	5	6
6450832-7	D C B A	HD	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	E K N S	E F G S	J K G S	J K G S	E K G S	E K G S
3ACP + 8P + 24S																			HD

.225 7 PLC [8]
.275 [8]
.300 [8] 2 PLC



PART NUMBER	ROWS		POWER		SIGNAL			
			P1	P2	1	2		
6450832-8	D C B A	HD	LMF	LM	E F G H	E F G H		
2LP + 8S								HD



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DIMENSIONS: INCHES

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

MATERIAL
FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 7 OF 24 | REV K6

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LOC	DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	SIGNAL 1	SIGNAL 2	SIGNAL 3	SIGNAL 4
6450832-9	D				J			J
	C	TM		TM	K			K
	B				N			N
	A				S			S

HD HD

2P + 8S

NO LOADING CONTACTS

.400

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	P6	P7	P8	SIGNAL 1	2	3	4	5	6
3-6450832-4	D									J	J	J	J	J	J
	C	TM	TM	TM	TM	TM	TM	TM	TM	K	K	K	K	K	K
	B									N	N	N	N	N	N
	A									S	S	S	S	S	S

HD HD

8P + 24S

H9

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DIMENSIONS: INCHES

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

MATERIAL

FINISH -

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING

SCALE 4:1 SHEET 8 OF 24 REV K6

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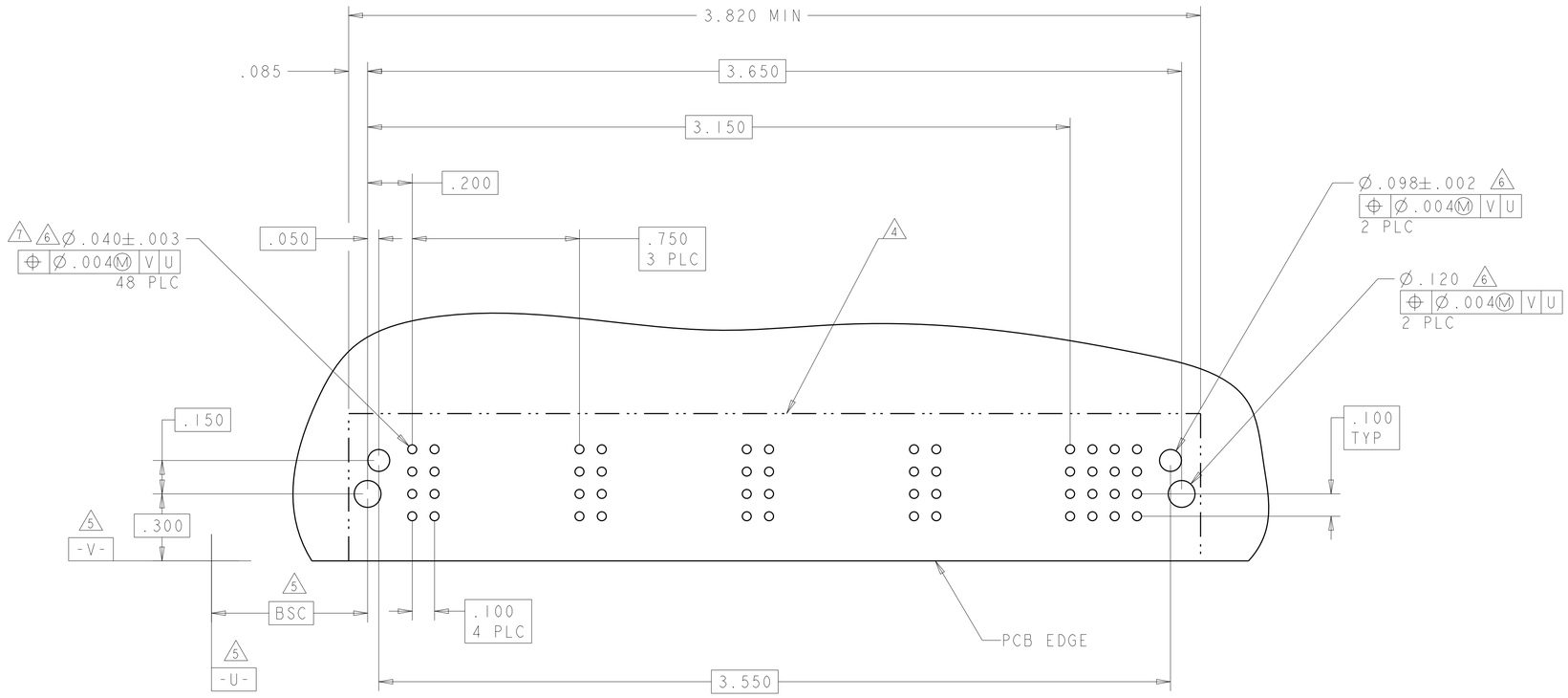
LOC	DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER												SIGNAL			
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	1	2	3	4
1-6450832-0	D C B A	TM			TM			TM			TM			J K N S	J K N S	J K N S	J K N S
12P + 16S		HD															HD

NO CONTACT LOADED



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

MATERIAL
FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 9 OF 24 | REV K6

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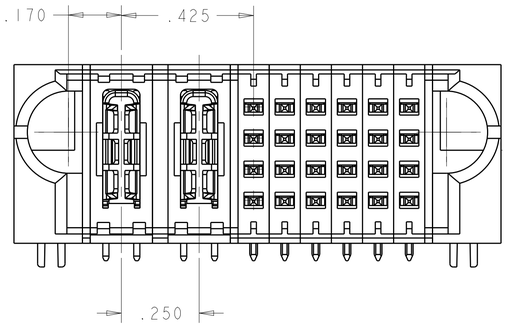
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LOC	DIST

REVISIONS

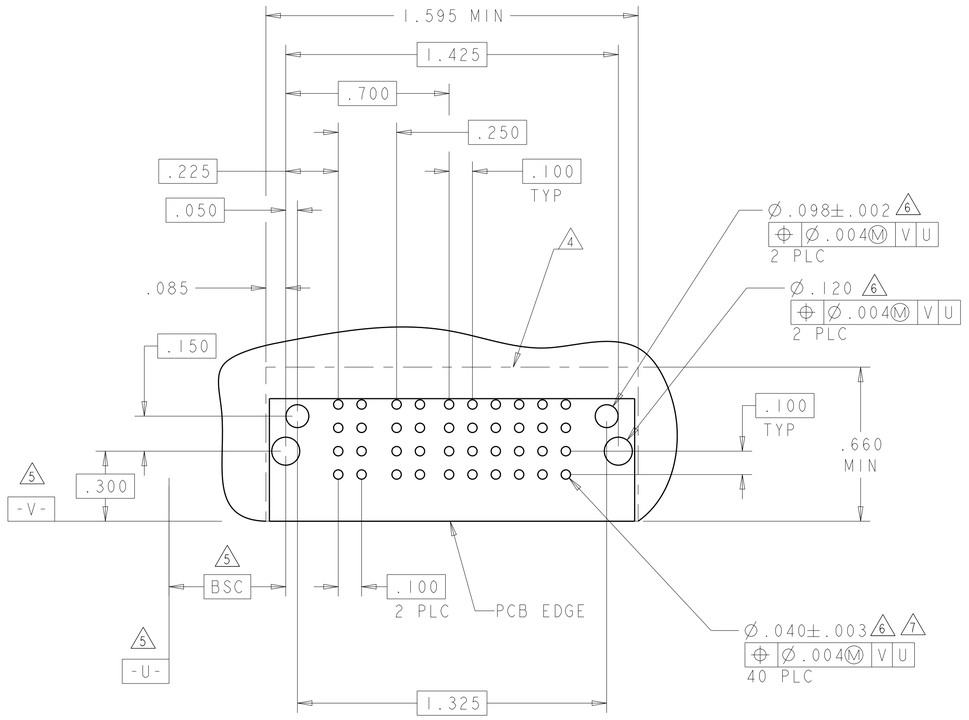
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	-	SEE SHEET 1	-	-	-

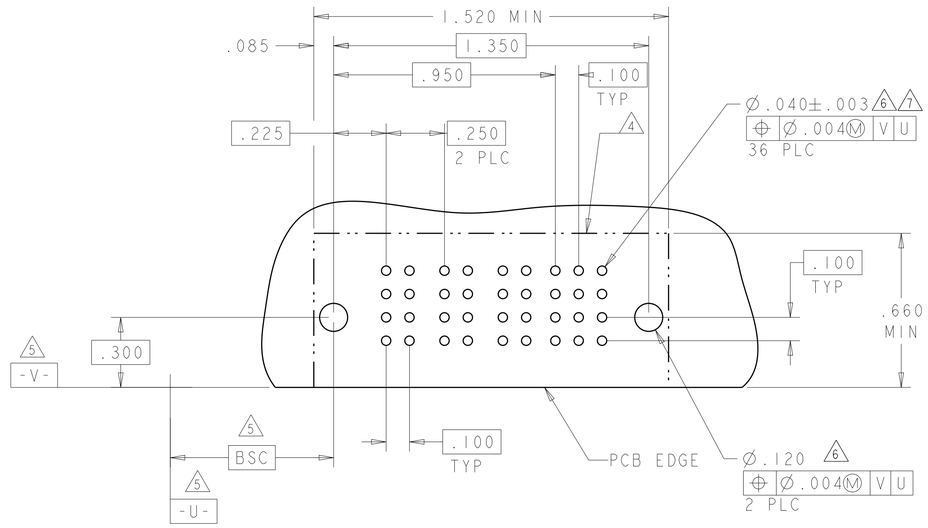
PART NUMBER	ROWS		POWER		SIGNAL					
			P1	P2	1	2	3	4	5	6
1-6450832-2	D C B A	HD	TM	TM	J K N H	J K N S	J K N S	J K N S	J K N S	J K N S
2P + 24S										HD



PART VIEW 1-6450832-2

PART NUMBER	ROWS		POWER			SIGNAL		
			P1	P2	P3	1	2	3
1-6450832-4	D C B A		TM	TM	TM	J K N S	F G S	J K N S
3P + 12S								





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

MATERIAL

FINISH

DWN	H.LIU	27MAY2008
CHK	S.ZHAO	27MAY2008
APVD	S.ZHAO	-
PRODUCT SPEC	108-2292	
APPLICATION SPEC	114-13251	
WEIGHT	-	

TE Connectivity

NAME: R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING

SCALE	SHEET	OF	REV
4:1	10	24	K6

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LOC	DIST

REVISIONS

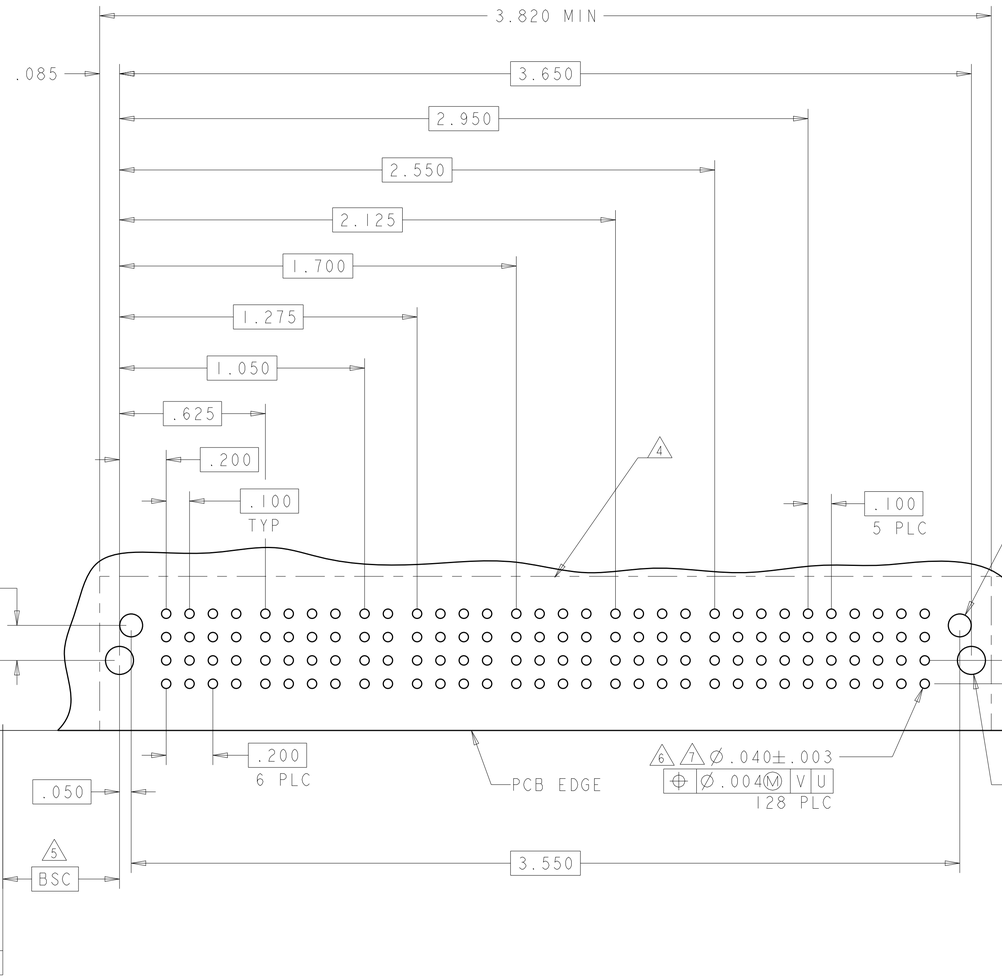
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	-	SEE SHEET 1	-	-	-

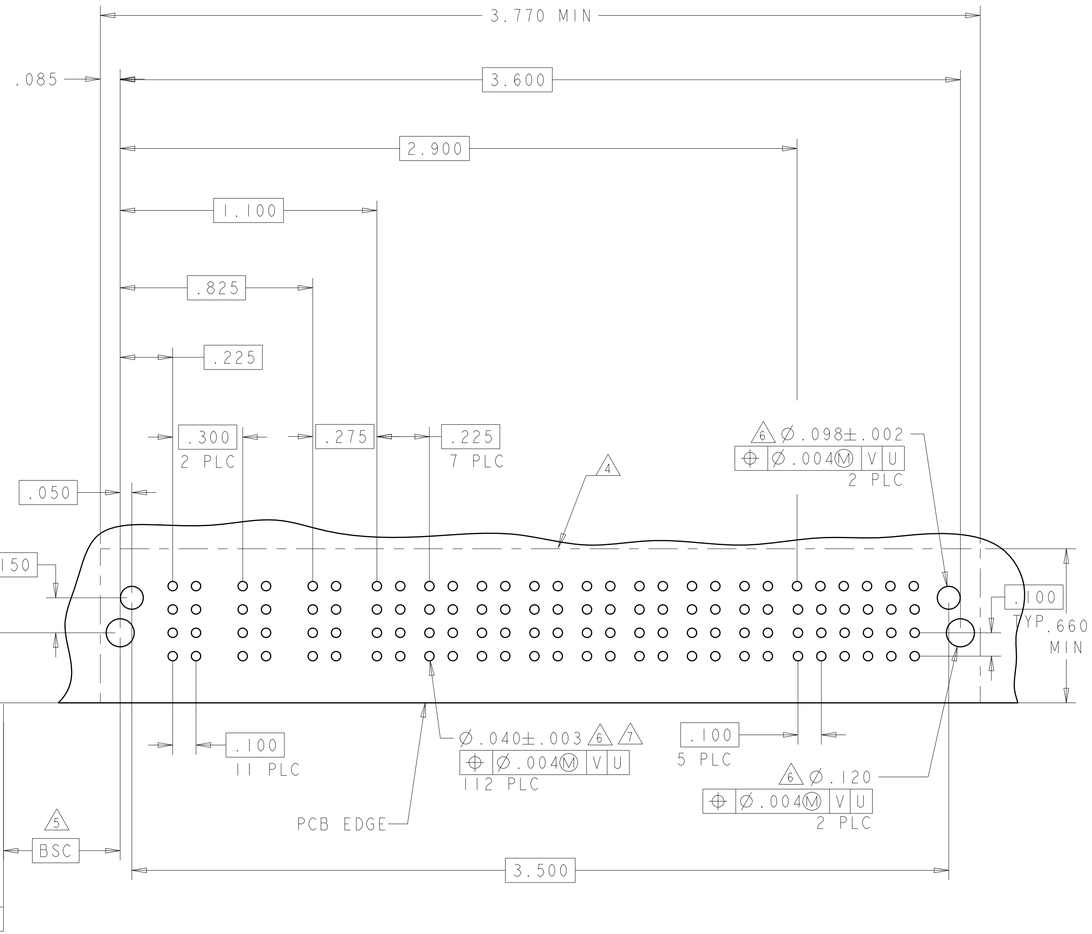
PART NUMBER	ROWS	POWER												SIGNAL					
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	1	2	3	4	5	6
1-6450832-6	D C B A	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	E K N S	E F G S	J K N S	J K G S	E K G S	E K G S
13P + 24S		HD												HD						

8 .200 6 PLC
.225
.225
.225
.225
.225
.225
.225

PART NUMBER	ROWS	POWER											SIGNAL						
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	1	2	3	4	5	6	
1-6450832-7	D C B A	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	E K N S	E F G S	J K N S	J K G S	E K G S	E K G S	
3ACP + 8P + 24S		HD																	HD

8 .300 2 PLC
.275
.225 7 PLC





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

MATERIAL
FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 11 OF 24 | REV K6

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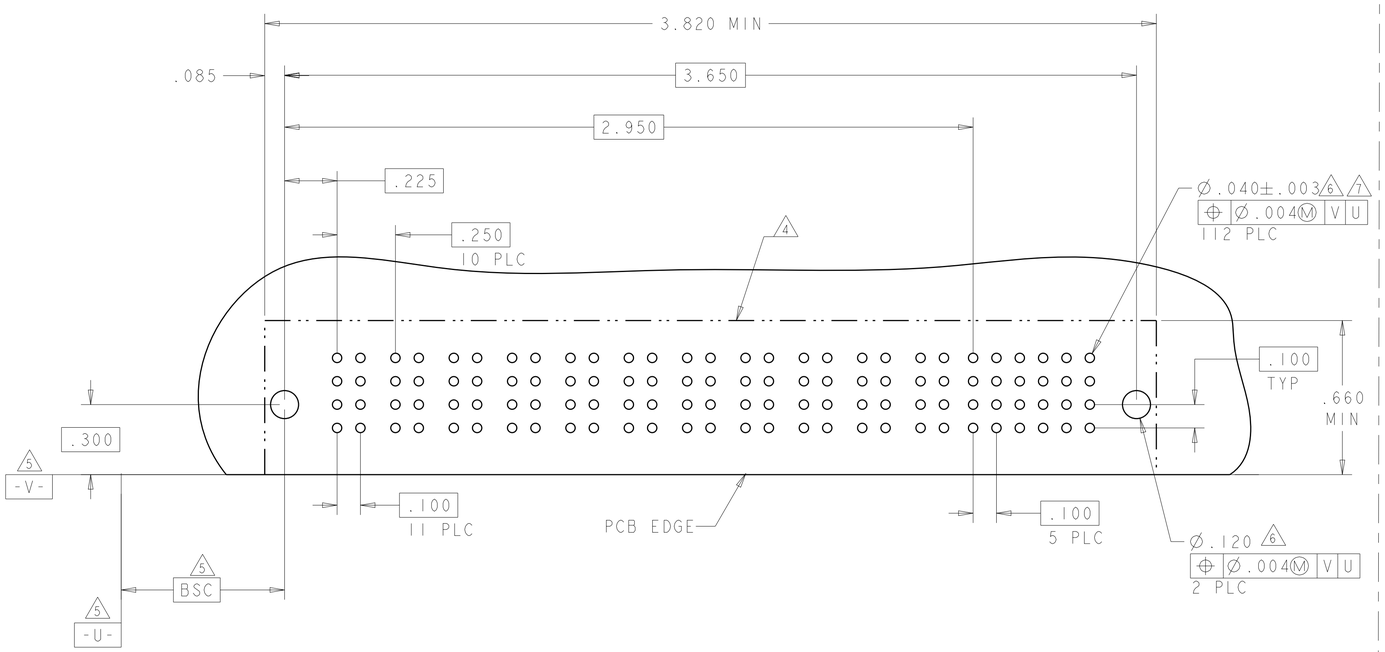
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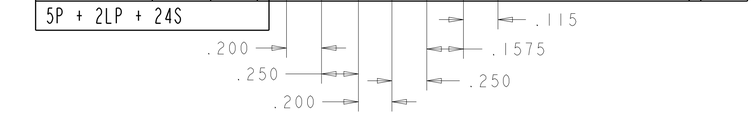
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER											SIGNAL					
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	1	2	3	4	5	6
1-6450832-9	D		TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	J	E	J	J	J	E
	C													K	K	F	F	K	F
	B													G	N	G	G	N	G
	A													S	S	S	S	H	H
11P + 24S																			

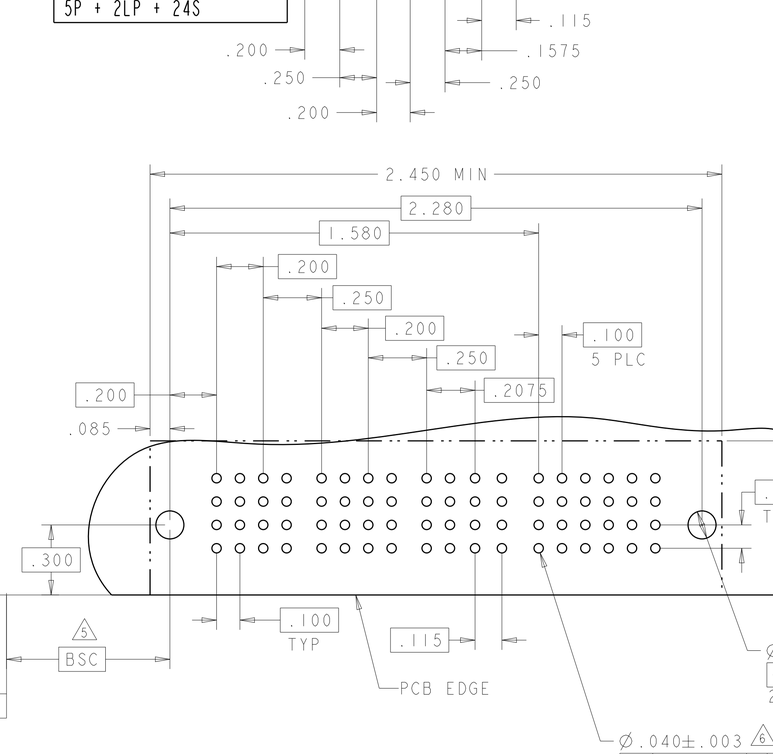


PART NUMBER	ROWS		POWER							SIGNAL					
			P1	P2	P3	P4	P5	LP1	LP2	1	2	3	4	5	6
2-6450832-0	D		TM	TM	TM	TM	TM	LM	LMF	J	FJ	J	J	J	J
	C									K	FK	K	K	F	F
	B									N	FN	N	N	FN	FN
	A									S	FS	H	S	H	H
5P + 2LP + 24S															



G2

PART NUMBER	ROWS		POWER							SIGNAL					
			P1	P2	P3	P4	P5	LP1	LP2	1	2	3	4	5	6
2-6450832-5	D		TM	TM	TM	TM	TM	LMF	LMF	J	FJ	J	J	J	J
	C									K	FK	K	K	F	F
	B									N	FN	N	N	FN	FN
	A									S	FS	H	S	H	H
5P + 2LP + 24S															



2-6450830-0 AND 2-6450830-5 PCB LAYOUT

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

MATERIAL
FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

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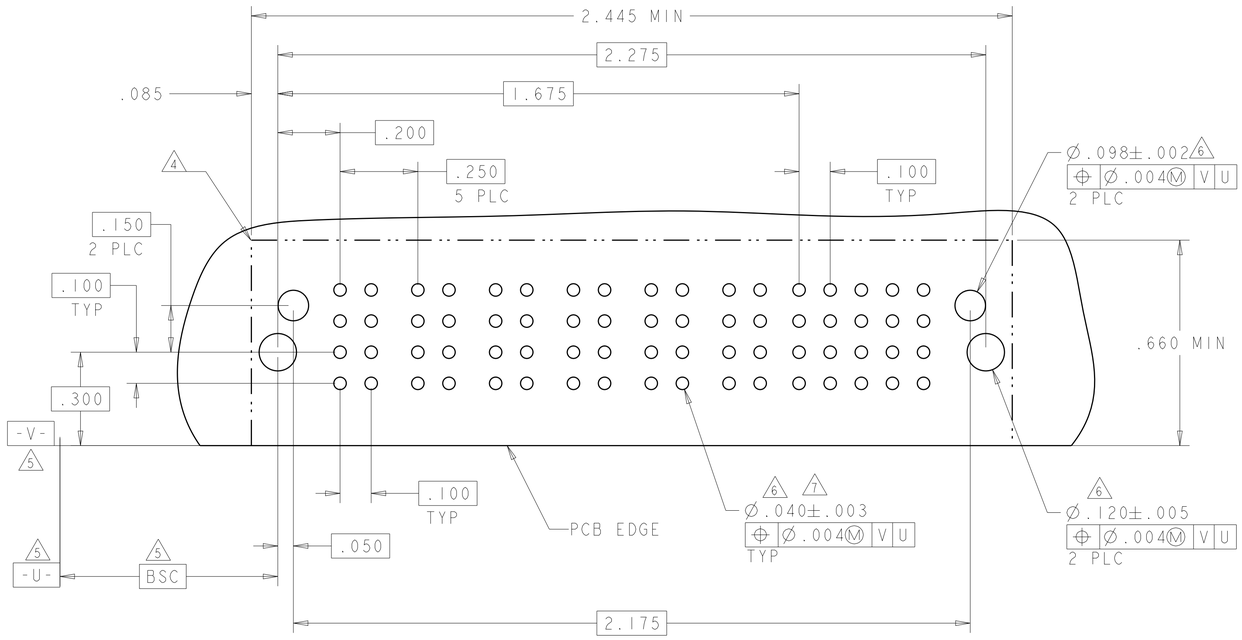
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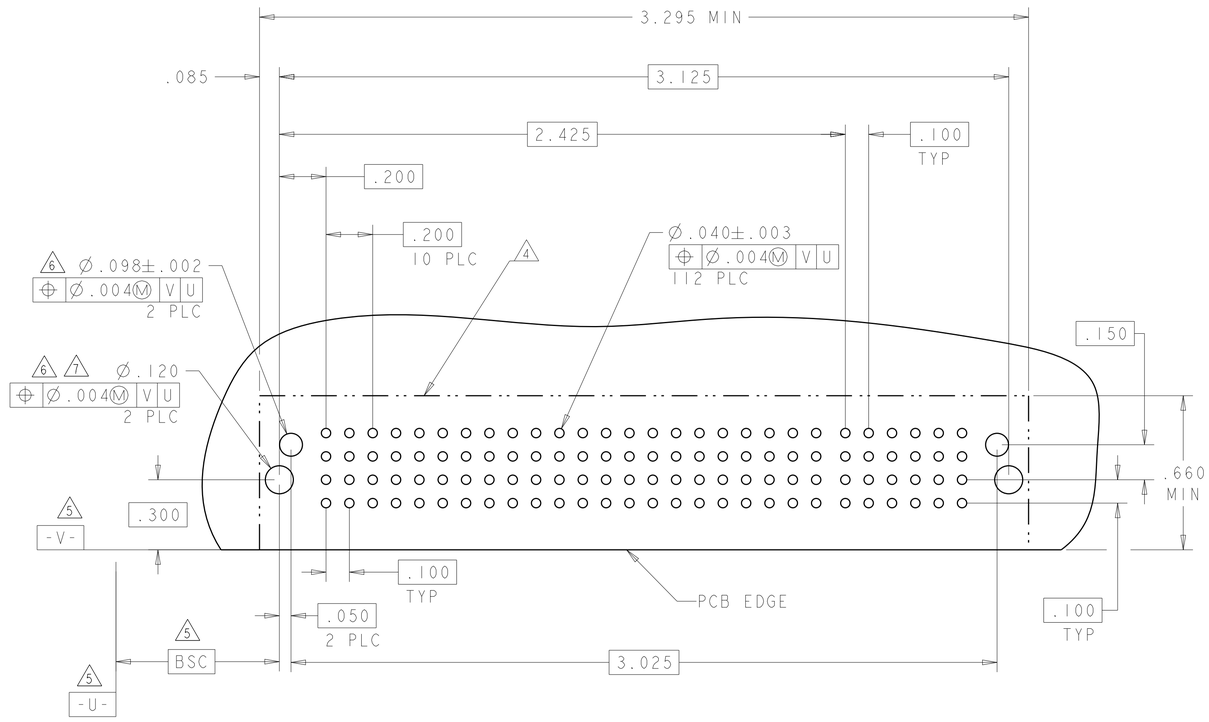
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER						SIGNAL					
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	
2-6450832-2	D C B A	HD	TM	TM	TM	TM	TM	TM	J K N S	J K G S	J K N S	J K N S	J K N S	HD
6P + 20S														

PART NUMBER	ROWS		POWER										SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	1	2	3	4	5	6
2-6450832-8	D C B A	HD	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	J K N S	J K N S	J K N S	J K N S	J K N S	E F N S	HD
11HDP + 24S																				





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

MATERIAL
FINISH

DWN	H.LIU	27MAY2008
CHK	S.ZHAO	27MAY2008
APVD	S.ZHAO	-
PRODUCT SPEC	108-2292	
APPLICATION SPEC	114-13251	
WEIGHT	-	

TE Connectivity

NAME: R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 13 OF 24 | REV K6

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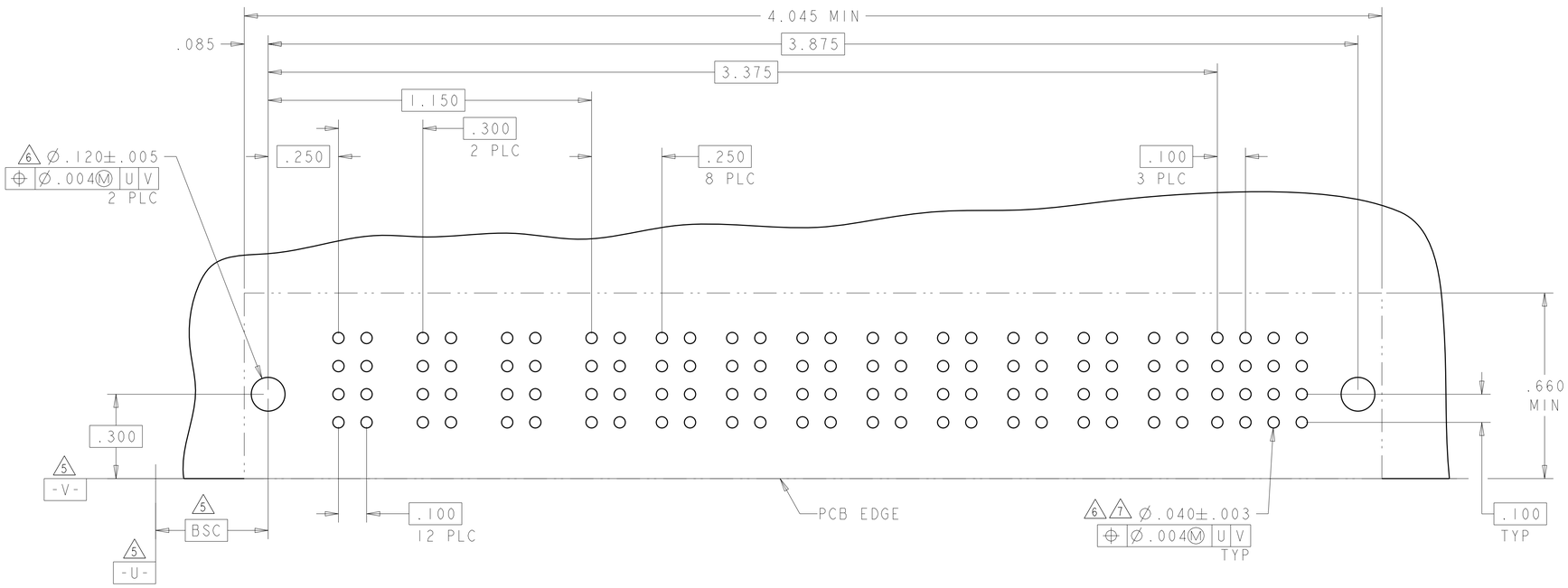
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LOC	DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER												SIGNAL			
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	1	2	3	4
2-6450832-3	D C B A	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	PS	J	J	J	J
														K	K	K	K
														N	N	N	N
														S	S	S	H
3ACP + 9P + 16S																	



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

MATERIAL

FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

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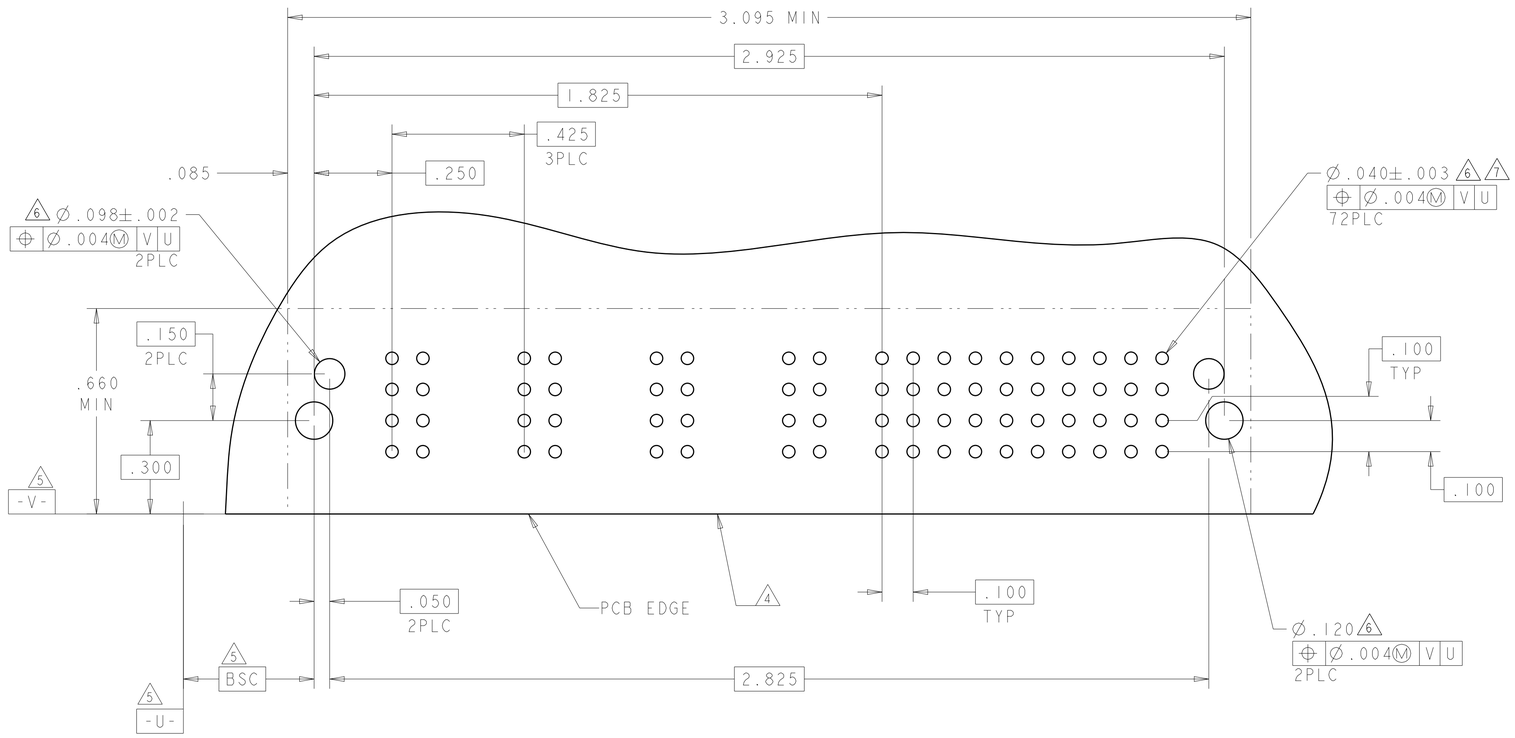
LOC	DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER P1		P2		P3		P4	SIGNAL 1	2	3	4	5	6	7	8	9	10
2-6450832-4	D	TM		TM		TM		TM	J	J	J	J	J	J	J	J	J	J
	C								K	K	K	K	K	K	K	K	K	K
	B								N	N	N	N	N	G	N	N	N	N
	A	HD							S	S	S	S	S	S	S	S	S	S
4P + 40S																		HD

0.425 0.425 0.425



RECOMMENDED PCB LAYOUT BY TE

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN H.LIU 27MAY2008	TE Connectivity	
DIMENSIONS: INCHES	CHK S.ZHAO 27MAY2008	NAME	R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	APVD S.ZHAO -	SIZE A1	CAGE CODE 00779 DRAWING NO C-6450832 RESTRICTED TO -
MATERIAL	PRODUCT SPEC 108-2292		
FINISH	APPLICATION SPEC 114-13251		
	WEIGHT -	CUSTOMER DRAWING	SCALE 4:1 SHEET 15 OF 24 REV K6

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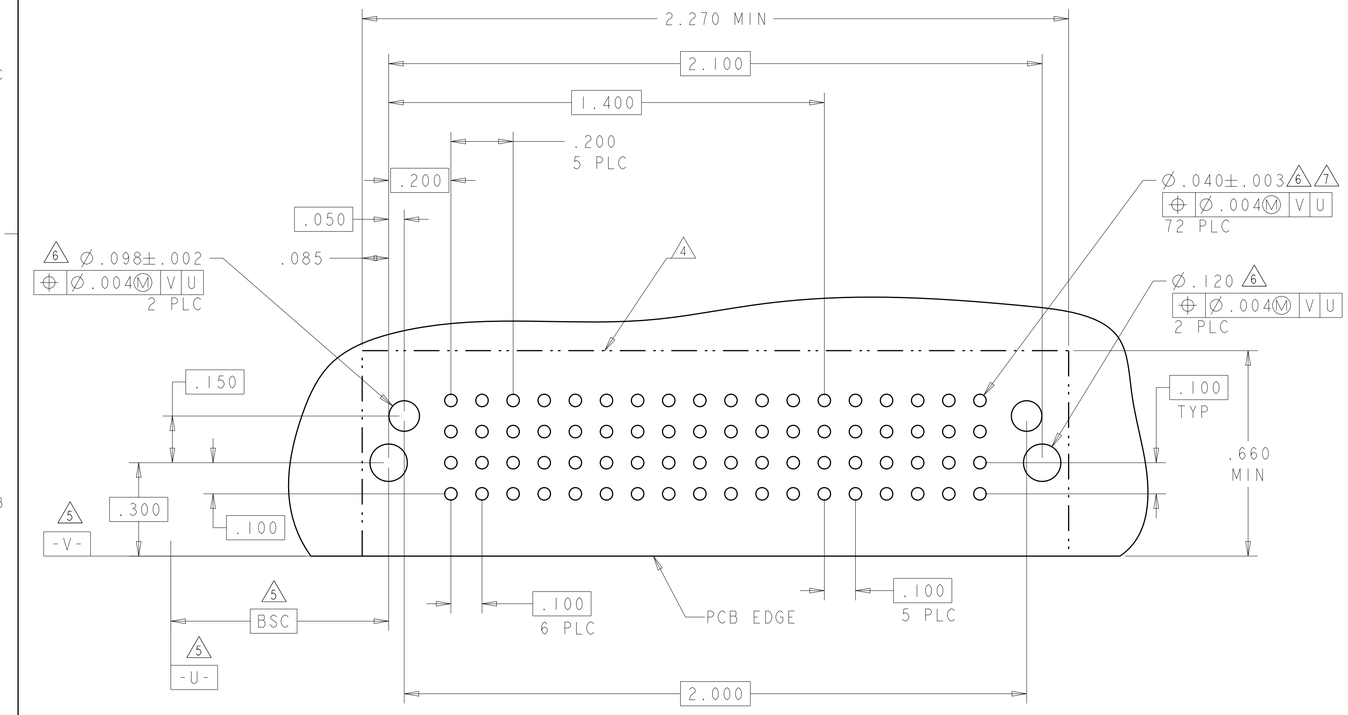
LOC	DIST

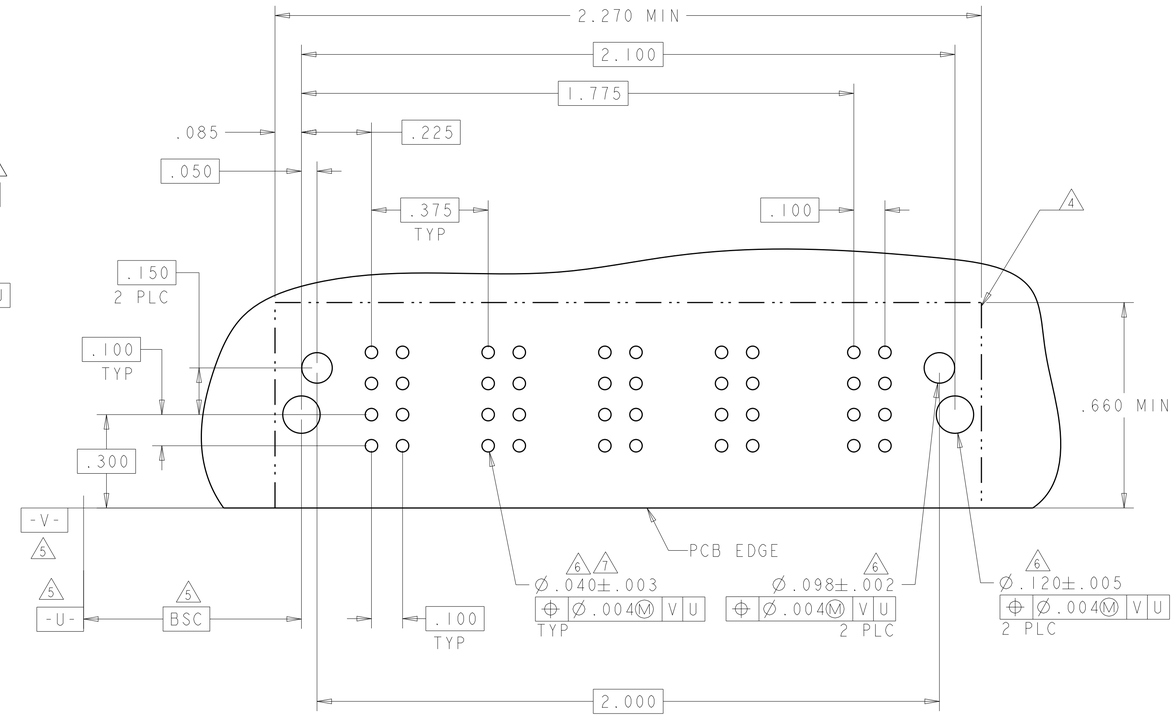
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER						SIGNAL					
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	6
2-6450832-6	D		TM	TM	TM	TM	TM	TM	J	J	J	J	J	J
	C								K	K	K	K	K	K
	B								N	N	N	N	N	N
	A	HD							S	S	S	S	S	S
6HDP + 24S														HD

PART NUMBER	ROWS		POWER				SIGNAL		
			P1	P2	P3	P4	1	2	
3-6450832-0	D		TM	TM	TM	TM	J	E	
	C						K	F	
	B						N	G	
	A	HD					S	H	
4ACP + 8S									HD





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4 PLC ±.0020
ANGLES ±2°

MATERIAL

FINISH

DWN	H.LIU	27MAY2008
CHK	S.ZHAO	27MAY2008
APVD	S.ZHAO	-
PRODUCT SPEC	108-2292	
APPLICATION SPEC	114-13251	
WEIGHT	-	

TE Connectivity

NAME: R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING

SCALE	SHEET	OF	REV
4:1	16	24	K6

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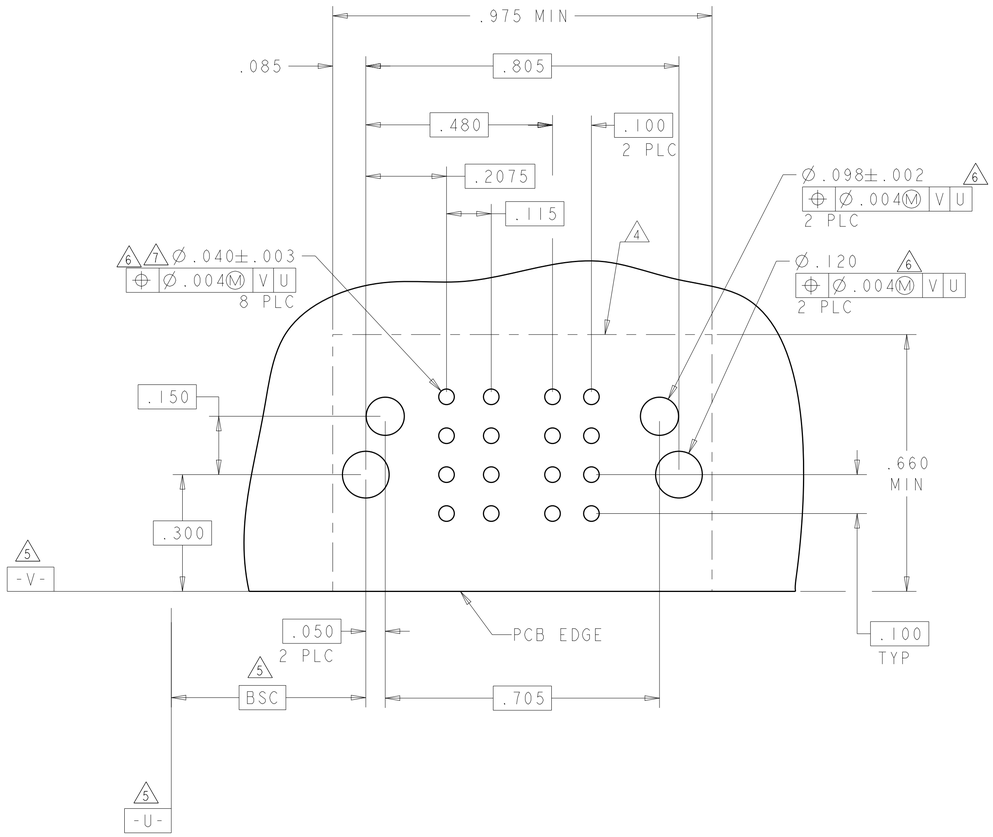
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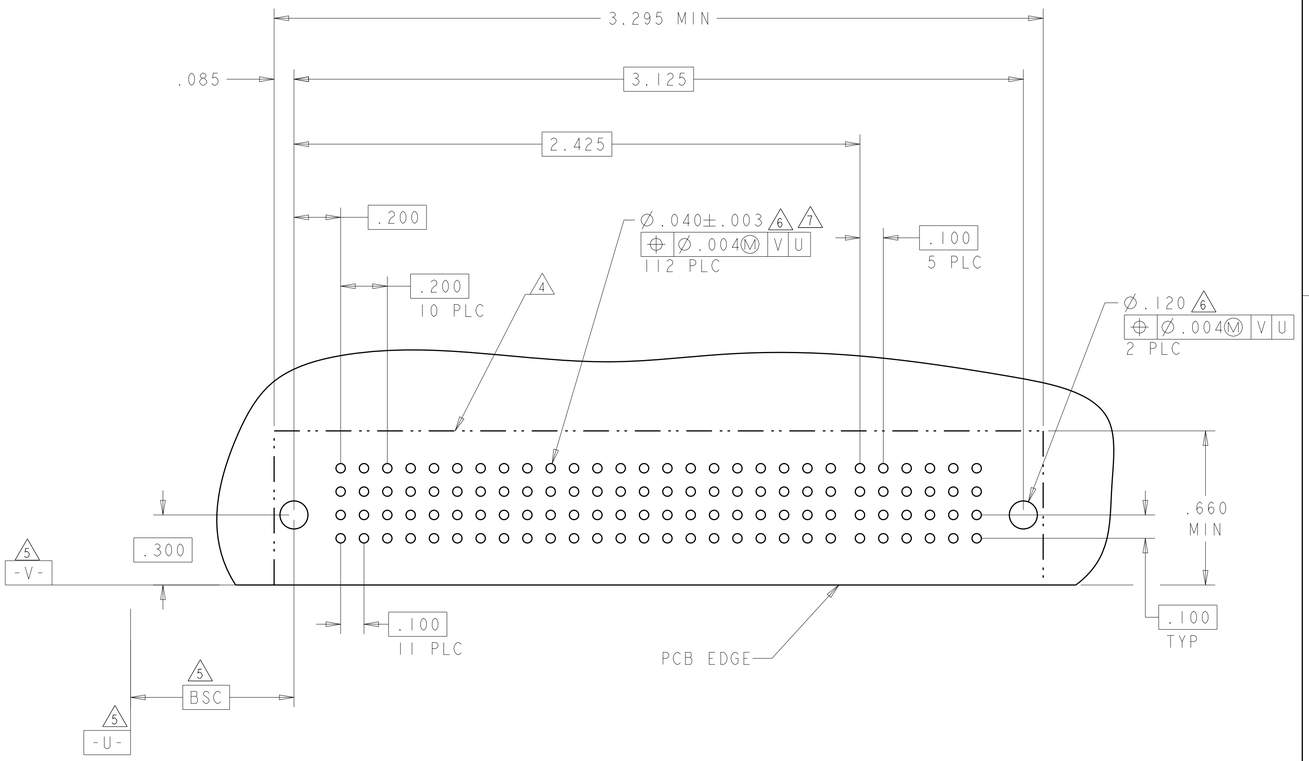
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER P1	POWER P2	SIGNAL 1	SIGNAL 2	
3-6450832-1	D C B A	HD	LM	LM	J K N S	J K N S	HD
2LP + 8S							

PART NUMBER	ROWS		POWER P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	SIGNAL 1	2	3	4	5	6	
3-6450832-2	D C B A		TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	J K N S	J K N S	J K N S	J K N S	J K N S	J K F N	
11HDP + 24S																				





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3 PLC ±.005
4 PLC ±.0020
ANGLES ±2°

MATERIAL

FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 17 OF 24 | REV K6

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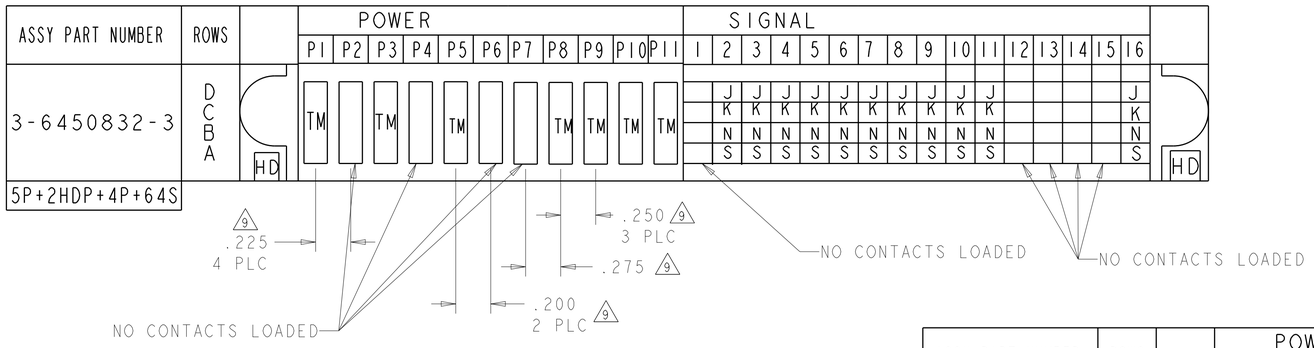
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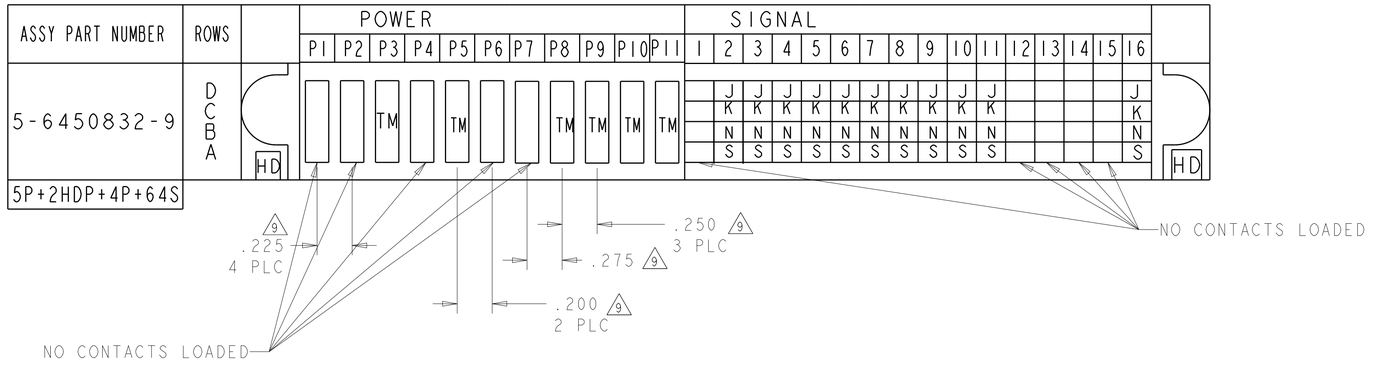
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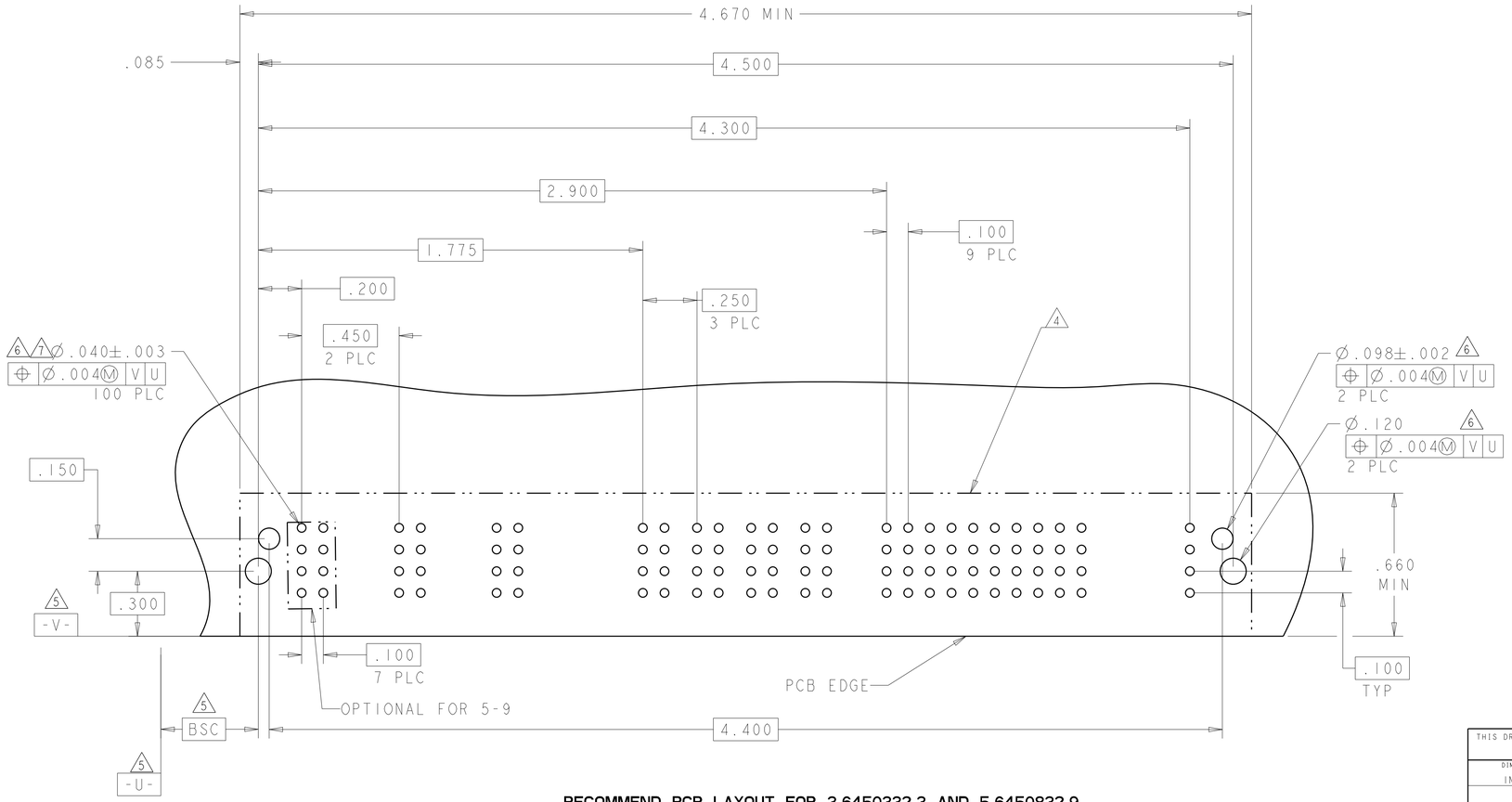
LOC	DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-







RECOMMEND PCB LAYOUT FOR 3-6450332-3 AND 5-6450832-9

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN H.LIU 27MAY2008	TE Connectivity
		CHK S.ZHAO 27MAY2008	
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	APVD S.ZHAO -	NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE
		PRODUCT SPEC 108-2292	
		APPLICATION SPEC 114-13251	SIZE A1 CAGE CODE 00779 DRAWING NO C-6450832 RESTRICTED TO -
MATERIAL	FINISH	WEIGHT -	SCALE 4:1 SHEET 18 OF 24 REV K6
		CUSTOMER DRAWING	

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

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	SIGNAL 1	2	3	4	5
3-6450832-5	D	TM		TM		TM	J	J	J	J	J
	C						K	K	K	K	K
	B						N	N	N	N	N
	A						H	H	S	S	S
5HDP + 20S											

NO CONTACTS LOADED

PART NUMBER	ROWS		POWER P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	SIGNAL 1	2	3	4	5	6	7	
3-6450832-6	D																		E	E	E	E	E	E	
	C																		F	F	F	K	K	K	
	B																		N	N	N	N	N	N	
	A	HD	TM	TM	TM	TM			TM	TM	TM	TM		TM	TM	TM	TM		H	H	H	H	H	H	HD
15P + 28S																									

NO CONTACTS LOADED

NO CONTACTS LOADED

.375
3 PLC

.250
11 PLC

NO CONTACTS LOADED

NO CONTACTS LOADED

2.020 MIN

.085

1.850

1.250

.225

.100
4 PLC

6 7 Ø.040±.003
Ø.004Ⓜ V U
44 PLC

.400
2 PLC

4

Ø.120 6
Ø.004Ⓜ V U
2 PLC

.660
MIN

.300

5 -V-

.100
3 PLC

PCB EDGE

.100
TYP

5 BSC

5 -U-

5.320 MIN

5.150

4.450

3.375

2.125

.085

.250

.375
3 PLC

.250
3 PLC

.250
3 PLC

.100
TYP

Ø.098±.002 6
Ø.004Ⓜ V U
2 PLC

Ø.120 6
Ø.004Ⓜ V U
2 PLC

6 7 Ø.040±.003
Ø.004Ⓜ V U
120 PLC

4

.150

.300

5 -V-

.660
MIN

.100
12 PLC

.050
2 PLC

.100
TYP

PCB EDGE

5 BSC

5.050

5 -U-

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DIMENSIONS: INCHES

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

MATERIAL

FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING

SCALE 4:1 SHEET 19 OF 24 REV K6

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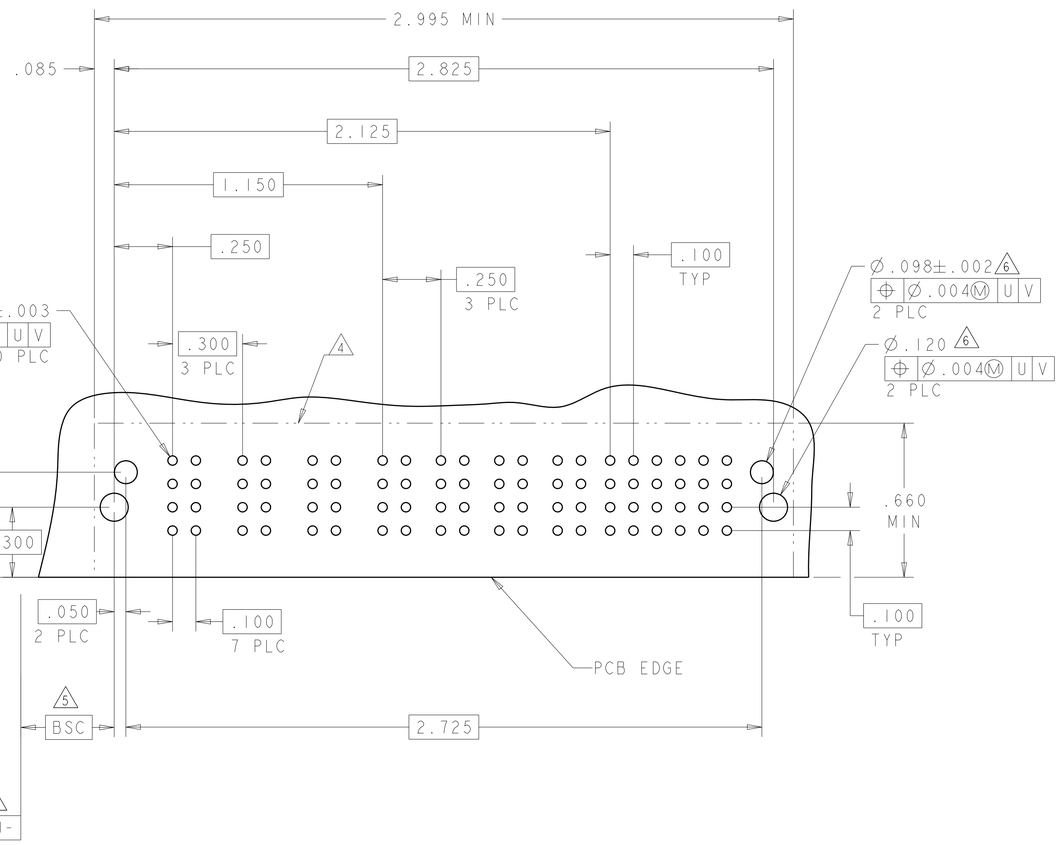
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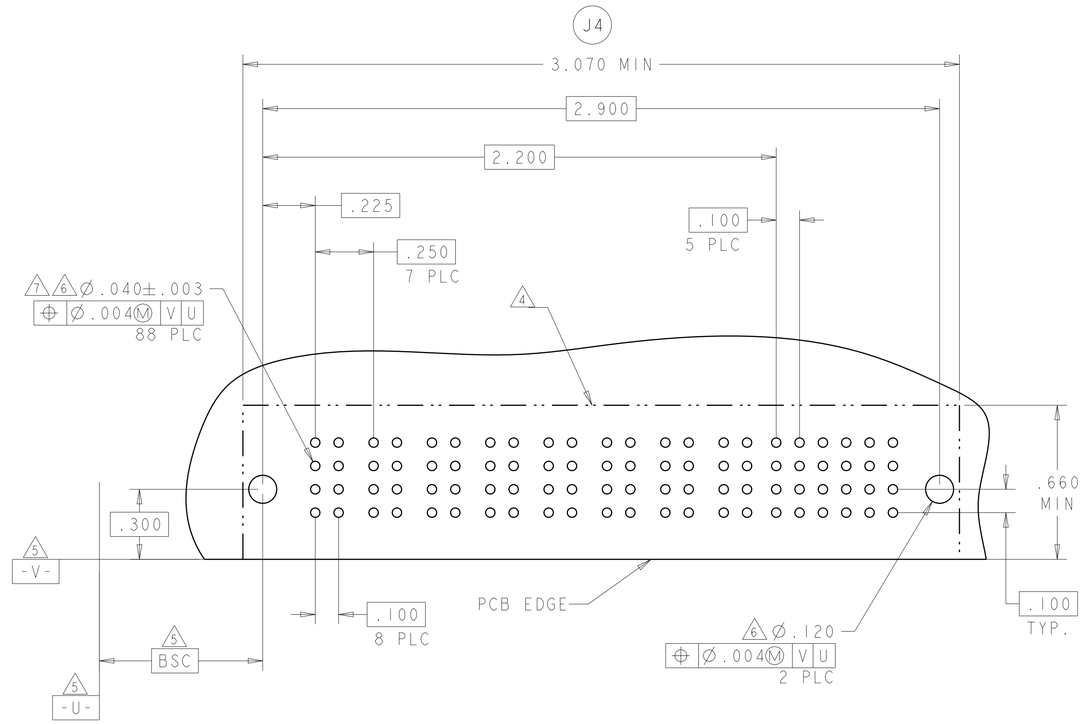
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER							SIGNAL						
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6	
3-6450832-8	D C B A	TM	TM	TM	TM	TM	TM	TM	E K N S	E F G H	J F G S	J F G S	J K N H	E F G H	HD
3ACP + 4P + 24S															HD



PART NUMBER	ROWS	POWER								SIGNAL						
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	
3-6450832-9	D C B A	TM	TM	TM	TM	TM	TM	TM	TM	J K N S	J K N S	E K G S	J K G S	J K G S	E K G S	
8HDP + 24S																



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DIMENSIONS: INCHES

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

MATERIAL

FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 20 OF 24 | REV K6

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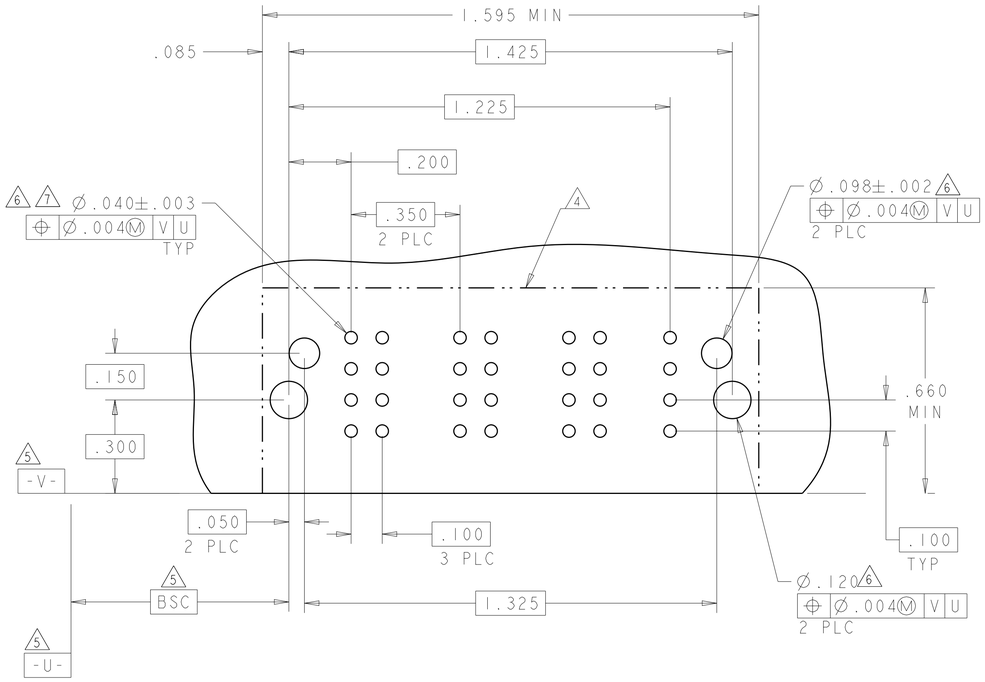
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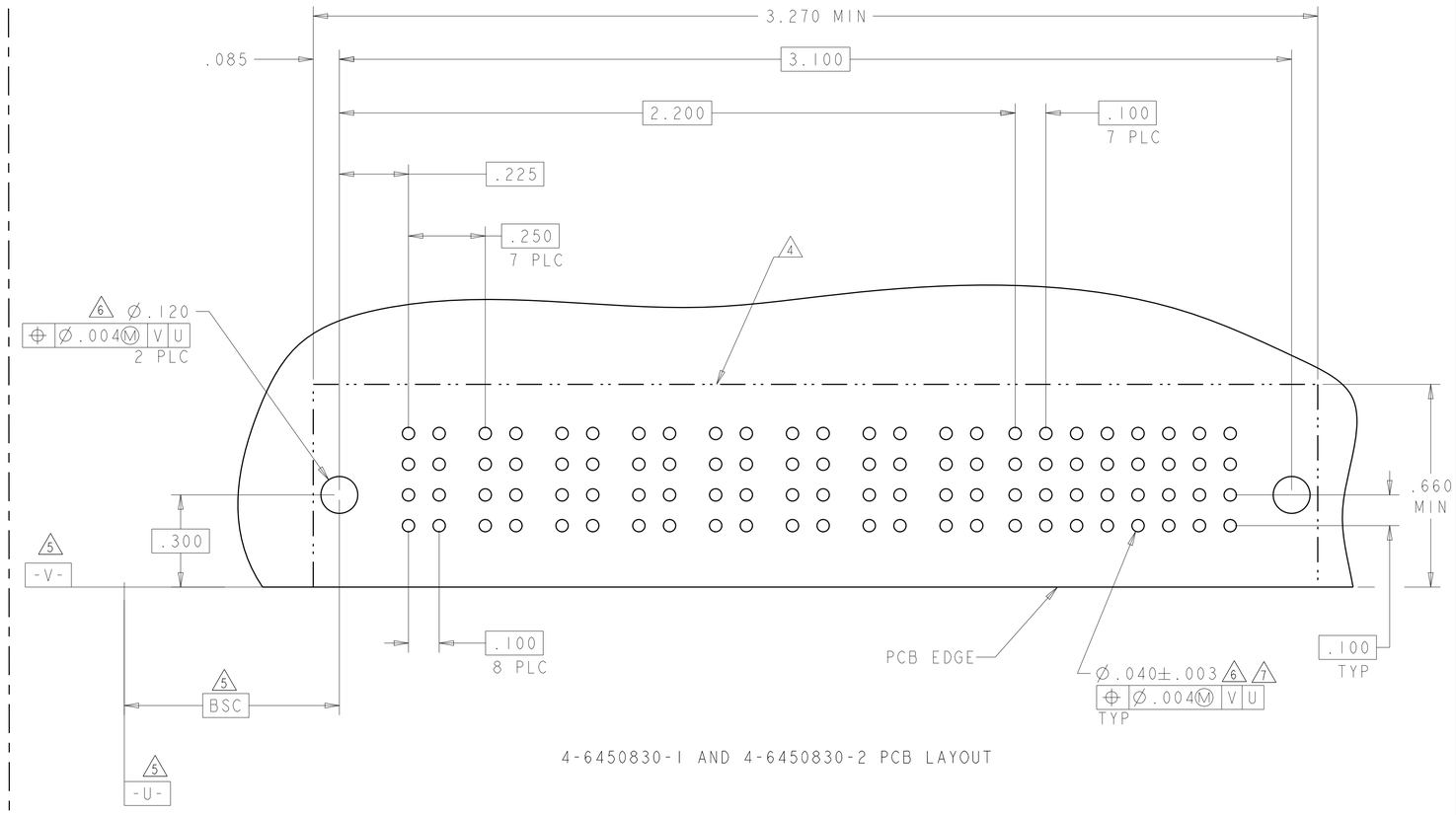
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER			SIGNAL	
			P1	P2	P3	1	
4-6450832-0	D		TM	TM	TM	J	
	C					K	
	B					N	
	A	HD				S	HD
3P + 4S							

PART NUMBER	ROWS		POWER								SIGNAL								
			P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	7	8	
4-6450832-1	D		TM	TM	TM	TM	TM	TM	TM	TM	J	J	J	J	J	J	J	J	
	C										K	K	K	K	K	K	K	K	
	B										N	N	N	N	N	N	N	N	
	A										S	S	S	S	S	S	S	S	
8P + 32S																			

PART NUMBER	ROWS		POWER								SIGNAL								
			P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	7	8	
4-6450832-2	D		TM	TM	TM	TM	TM	TM	TM	TM	J	J	J	J	J	J	J	J	
	C										K	K	K	K	F	K	K	K	
	B										N	N	N	N	N	N	N	N	
	A										S	S	S	S	S	S	S	S	
8P + 32S																			





4-6450830-1 AND 4-6450830-2 PCB LAYOUT

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	CHK S.ZHAO 27MAY2008		
DIMENSIONS: INCHES	APVD S.ZHAO -	NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 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 C-6450832	RESTRICTED TO -
MATERIAL	WEIGHT -		
FINISH	CUSTOMER DRAWING	SCALE 4:1 SHEET 21 OF 24	REV K6

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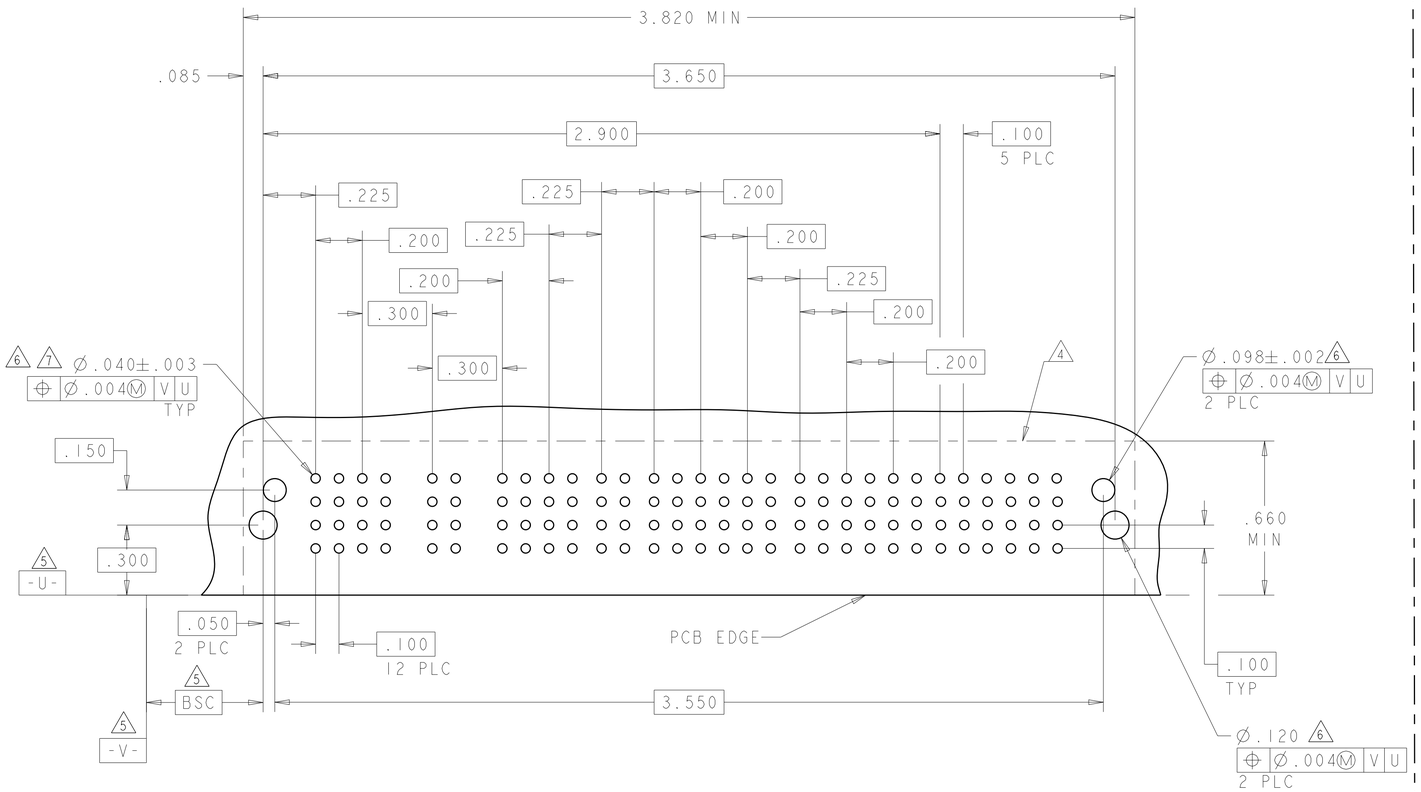
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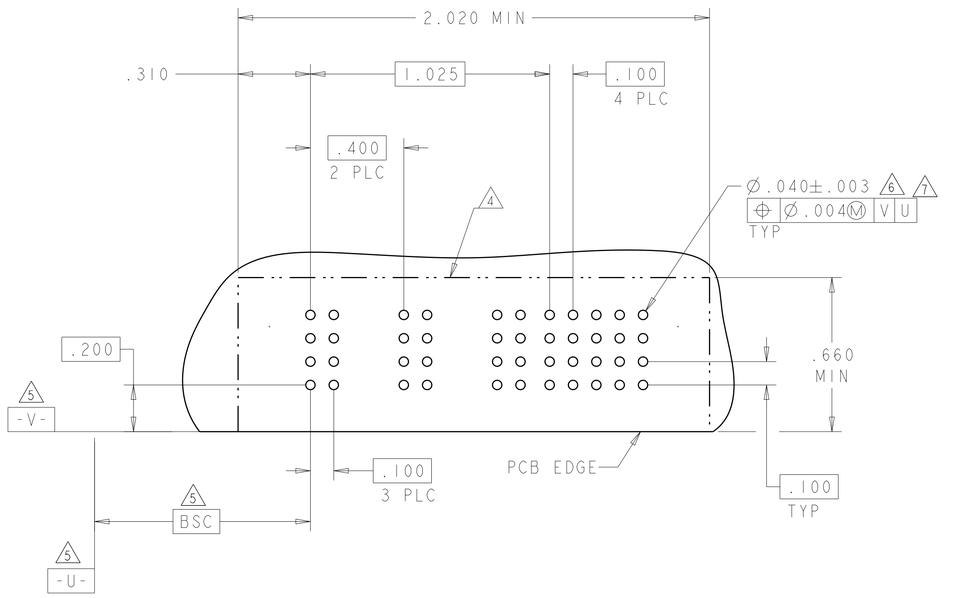
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER												SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	1	2	3	4	5	6	
4-6450832-3	D		TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	E	E	J	J	E	E	
	C														K	F	K	K	K	K	
	B														N	G	N	G	G	G	
	A	HD													S	S	S	S	S	S	HD
12P + 24S																					

PART NUMBER	ROWS		POWER					SIGNAL					
			P1	P2	P3	P4	P5	1	2	3	4	5	
4-6450832-4	D		TM		TM		TM	J	J	J	J	J	
	C							K	K	K	K	K	
	B							N	N	N	N	N	
	A							H	H	S	S	S	
5HDP + 20S													

NO CONTACTS LOADED





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DIMENSIONS: INCHES	CHK S.ZHAO 27MAY2008	NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	APVD S.ZHAO -		
	PRODUCT SPEC 108-2292		
	APPLICATION SPEC 114-13251	SIZE A1	CAGE CODE 00779
MATERIAL	WEIGHT -	DRAWING NO C-6450832	RESTRICTED TO -
FINISH	CUSTOMER DRAWING	SCALE 4:1	SHEET 22 OF 24 REV K6

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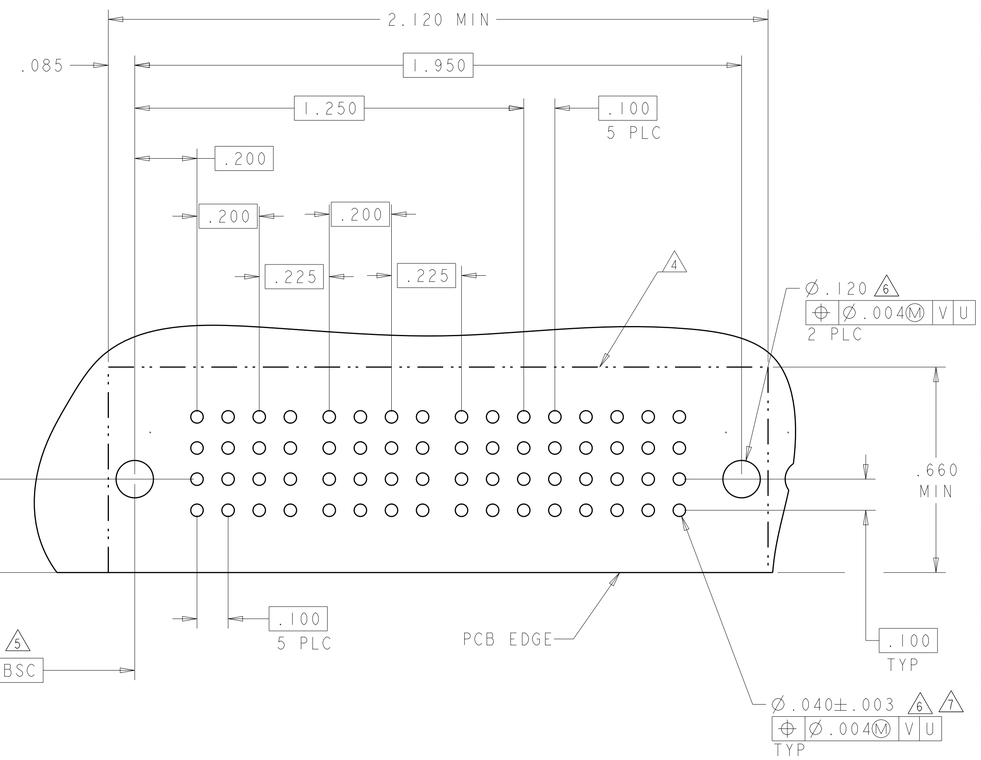
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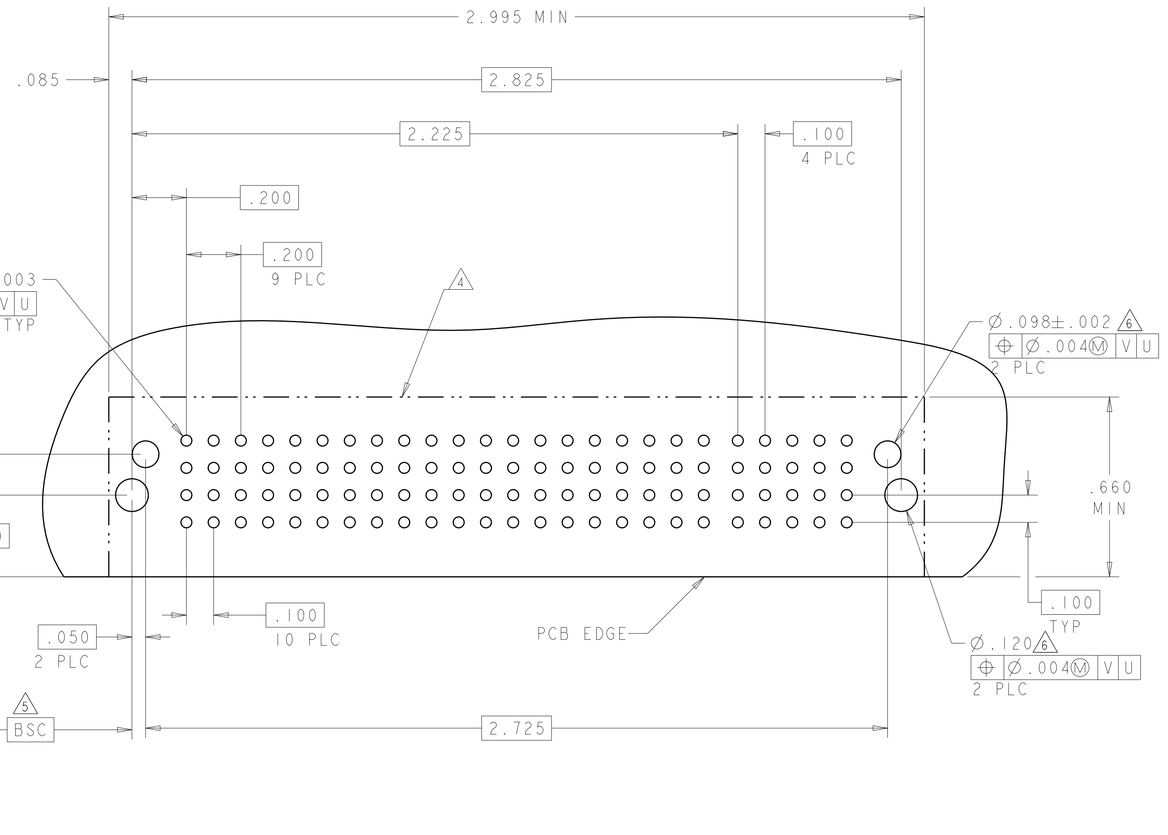
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER					SIGNAL					
			P1	P2	P3	P4	P5	1	2	3	4	5	6
4-6450832-5	D C B A	HD	TM	TM	TM	TM	TM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S
5HDP + 24S													HD



PART NUMBER	ROWS		POWER										SIGNAL				
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5
4-6450832-6	D C B A	HD	TM	TM	TM	TM	TM	TM	TM	TM	TM	TM	J K N S	J K N S	J K N S	J K N S	E F G H
10HDP + 20S																	HD



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DIMENSIONS: INCHES

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

MATERIAL

FINISH

DWN H.LIU	27MAY2008
CHK S.ZHAO	27MAY2008
APVD S.ZHAO	-
PRODUCT SPEC	108-2292
APPLICATION SPEC	114-13251
WEIGHT	-

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 23 OF 24 | REV K6

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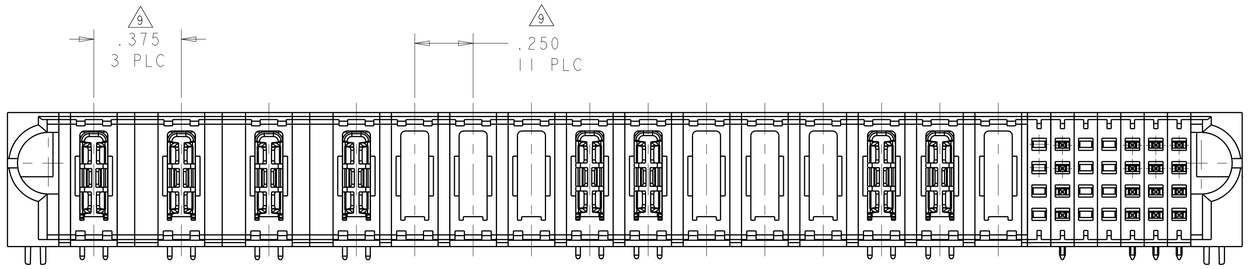
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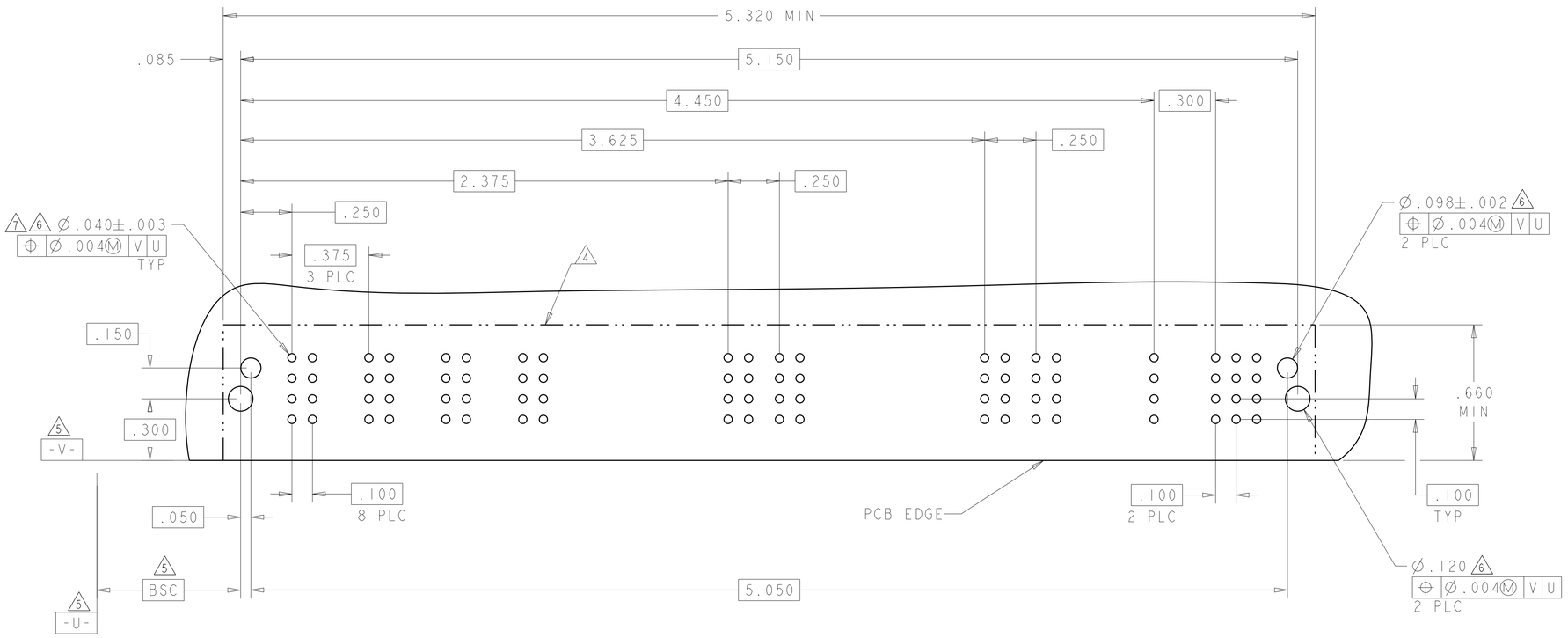
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER														SIGNAL							
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	1	2	3	4	5	6	7
4-6450832-7	D	HD	TM	TM	TM	TM	-	-	-	TM	TM	-	-	-	TM	TM	-	-	J	-	-	J	J	J
	C																	-	K	-	-	K	K	K
	B																	-	G	-	-	G	G	G
	A																	-	H	-	-	H	H	H
15P + 28S																								

- NO CONTACTS LOADED





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

MATERIAL

FINISH

DWN H.LIU 27MAY2008
CHK S.ZHAO 27MAY2008
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME R/A HEADER WITH SHORT GUIDES AND LP CONTACTS ASSEMBLY MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450832	-

CUSTOMER DRAWING

SCALE 4:1 SHEET 24 OF 24 REV K6

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