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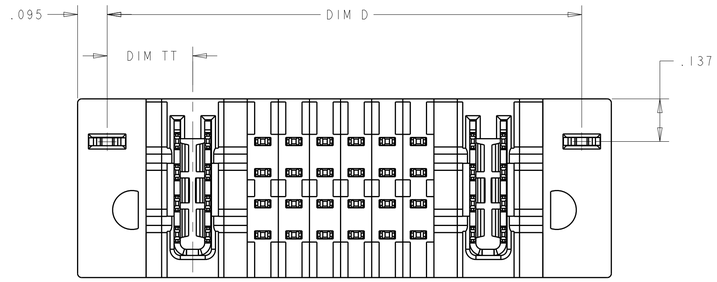
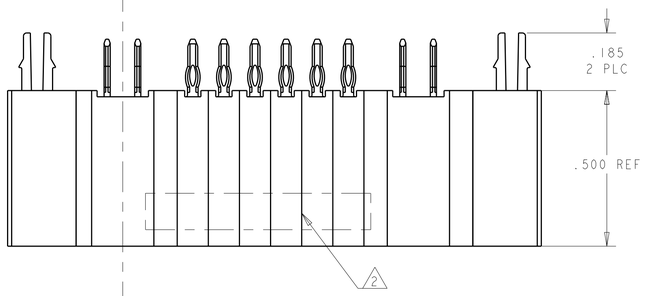
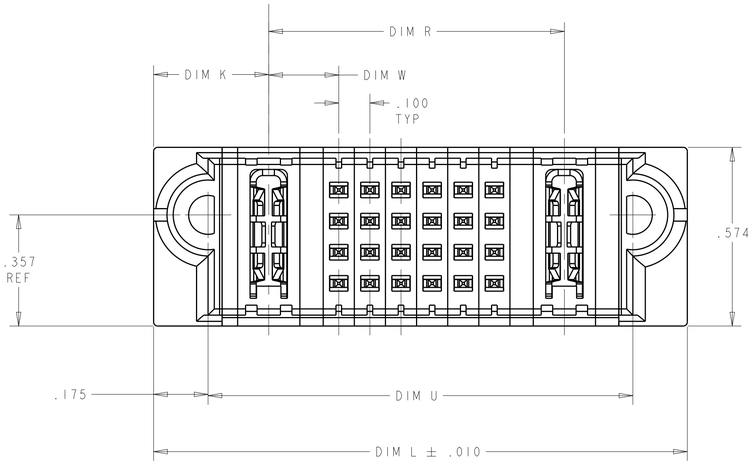
LOC	DIST
ES	00

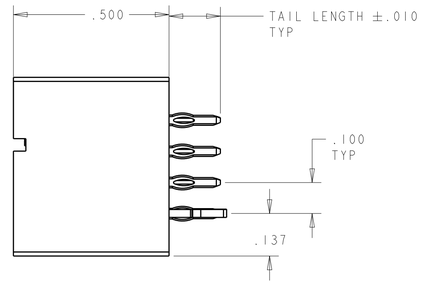
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	G6	ADD NEW PART -25	19AUG2013	AY	SZ
	G7	UPDATE -25 MATING SEQUENCE	29AUG2013	AY	SZ
	G8	UPDATE -25 MATING SEQUENCE	30AUG2013	AY	SZ

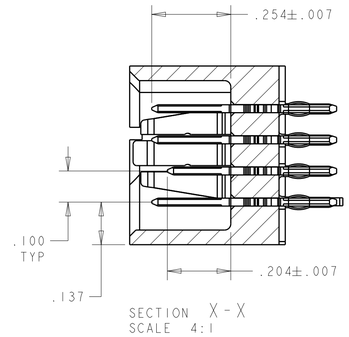








1. HEADER HOUSING: THERMO PLASTIC, BLACK, UL94 V-O; CONTACTS AND RETENTION CLIPS: COPPER ALLOY.
2. CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS
3. "AMP", PART NUMBER AND DATE CODE MARKED IN THIS AREA. PARTS UNDER 2.50 LONG MAY BE MARKED ON BOTH SIDES.
4. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
5. PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
6. A SEATING TOOL IS REQUIRED TO SEAT THE HEADER ON THE P.C. BOARD. PLEASE REFER TO THE 114-13251 APPLICATION SPEC.
7. MECHANICAL CONNECTOR KEEP OUT ZONE.
8. DETAIL DIM SEE PART VIEW
9. FOR THE CONFIGURATION WITH VENT, PLEASE REFER TO SHEET 2.
10. FOR THE CONFIGURATION LP/S/LP WITH VENT, PLEASE REFER TO SHEET 3.
11. FOR THE CONFIGURATION LP/S/P, WITH VENT, PLEASE REFER TO SHEET 4.



SECTION X-X
SCALE 4:1

	DIM S	DIM T	DIM TT	DIM L	DIM U	DIM D	DIM R	DIM W	DIM K	DESCRIPTION	PART NUMBER
G6	.240	.165	.1825	2.220	1.870	2.030	1.145	.7125	.2775	3LP + 16S + 4LP [10]	2-6450820-5
	.200	-	.225	3.065	2.715	2.875	-	1.975	.320	10HDP + 24S [9]	2-6450820-3
	.300	-	.275	1.790	1.440	1.600	-	1.150	.370	4ACP + 4S	2-6450820-2
	.115	.250	.2075	2.555	2.205	2.365	1.4075	.7325	.3025	6LP + 24S + 3P [11]	2-6450820-1
	-	-	.1825	1.120	.770	.930	.565	.1575	.2775	ILP + 16S + ILP [10]	2-6450820-0
	.250	.250	.250	3.540	3.190	3.350	1.850	1.175	.345	5P + 24S + 5P [9]	1-6450820-9
	.250	.250	.225	4.140	3.790	3.950	2.500	1.200	.320	5P + 48S + 5P [9]	1-6450820-8
	.250	-	.225	4.640	4.290	4.450	-	2.950	.320	12P + 48S [9]	1-6450820-7
	.250	-	.225	2.415	2.065	2.225	-	1.425	.320	6P + 20S [9]	1-6450820-5
	-	.300	.175	2.665	2.315	2.475	.575	-	.270	20S + 6ACP [9]	1-6450820-4
	.300	.300	.225	2.840	2.490	2.650	1.600	.850	.320	3ACP + 24S + 3ACP	1-6450820-3
	.250	.250	.250	4.040	3.690	3.850	2.100	1.425	.345	6P + 24S + 6P [9]	1-6450820-1
G3	.250	.250	.225	6.240	5.890	6.050	3.850	1.950	.320	8P + 72S + 8P	6450820-9
	.250	.250	.225	6.240	5.890	6.050	3.850	1.950	.320	8P + 72S + 8P	6450820-8
	[8]	[8]	.250	5.390	5.040	5.200	[8]	[8]	.345	14P + 40S	6450820-7
	[8]	[8]	.250	5.390	5.040	5.200	[8]	[8]	.345	14P + 40S	6450820-6
	.250	.250	.250	2.640	2.290	2.450	1.200	.925	.345	4P + 8S + 4P	6450820-5
	.250	.250	.250	3.640	3.290	3.450	1.700	1.425	.345	6P + 8S + 6P	6450820-4
	.250	.250	.275	2.790	2.440	2.600	1.550	.675	.370	3P + 32S + 3P	6450820-3
	-	-	.250	1.540	1.190	1.350	.850	.175	.345	1P + 24S + 1P	6450820-2
	-	-	.275	1.715	1.365	1.525	.950	.225	.370	1P + 24S + 1P	6450820-1

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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 D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-6450820 | RESTRICTED TO -

Customer Drawing | SCALE - | SHEET 1 OF 20 | REV G8

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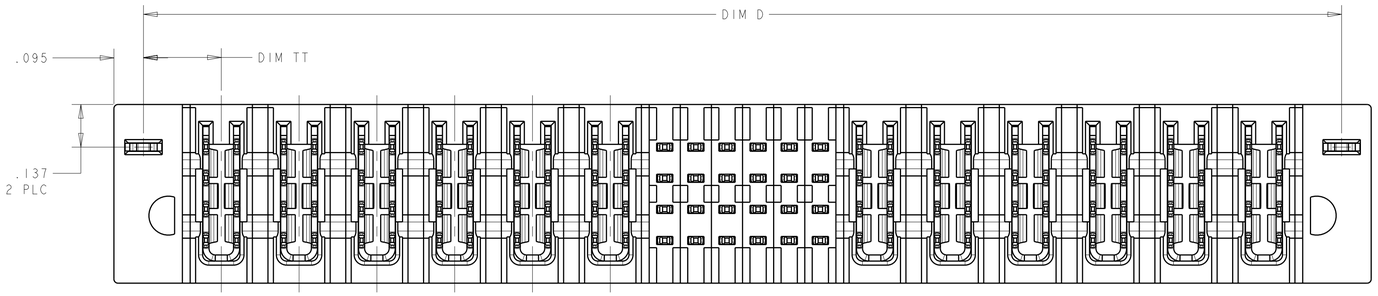
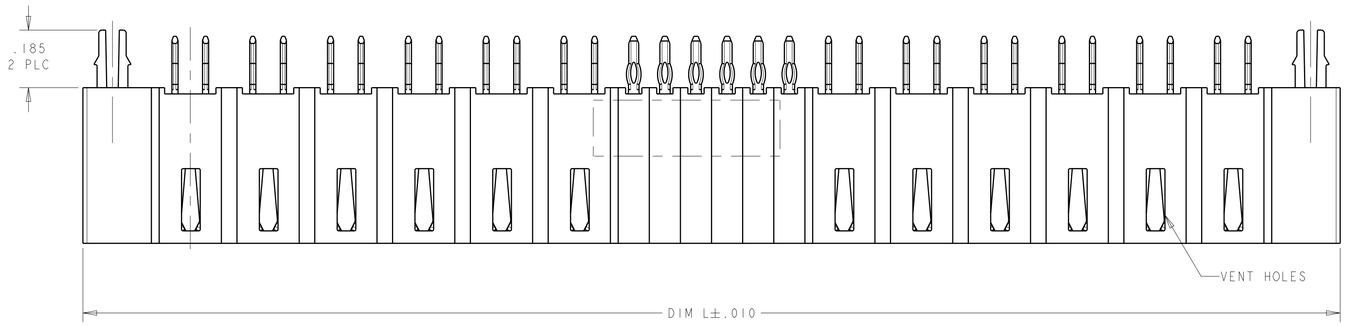
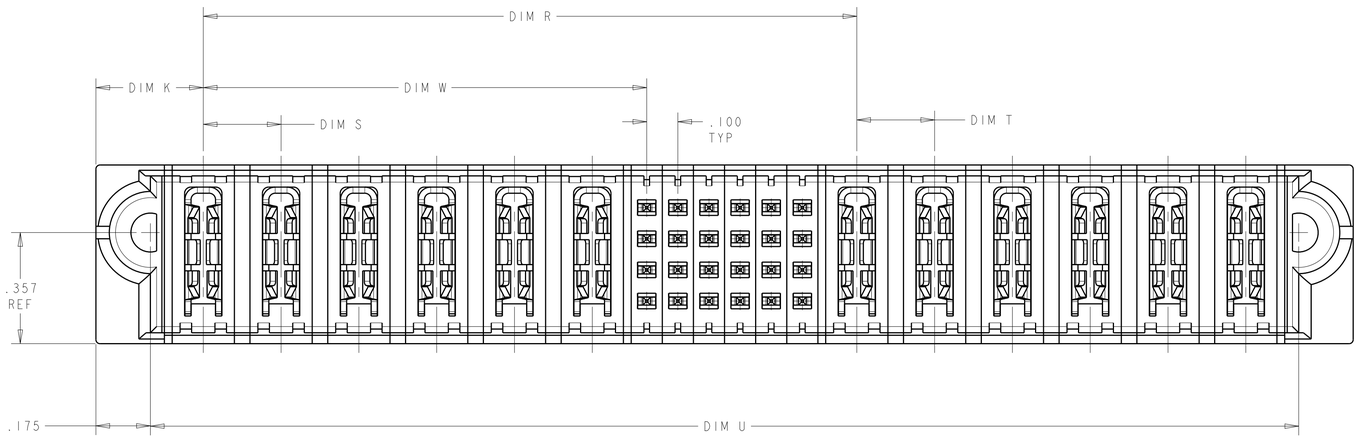
LOC	DIST
ES	00

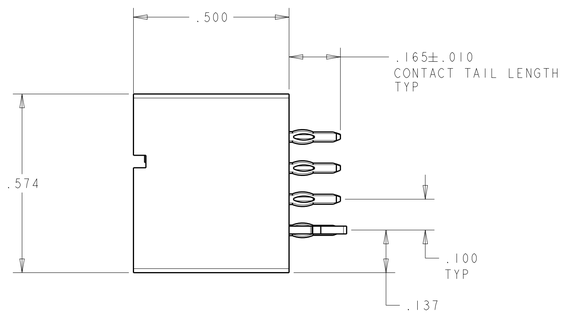
REVISIONS

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









⚠9 FOR THE CONFIGURATION WITH VENT
PART NO. 1-6450820-1

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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	D.ZHU	15NOV2007
CHK	S.ZHAO	15NOV2007
APVD	S.ZHAO	-
PRODUCT SPEC	108-2292	
APPLICATION SPEC	114-13251	
WEIGHT	-	

TE Connectivity

NAME: VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 2 OF 20 | REV G8

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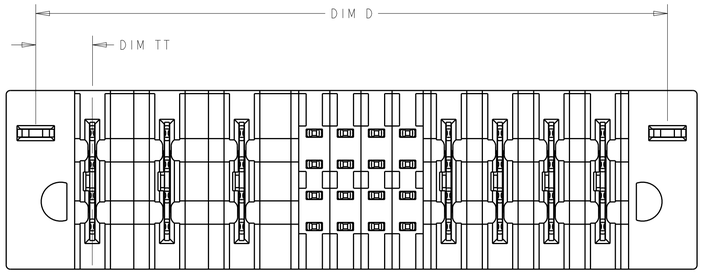
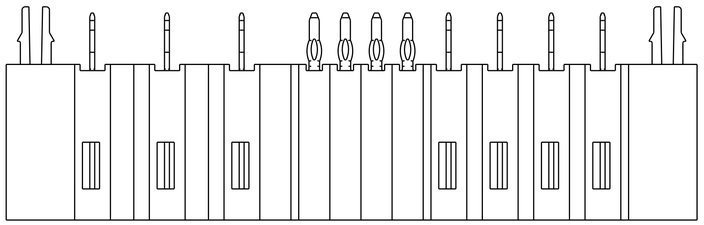
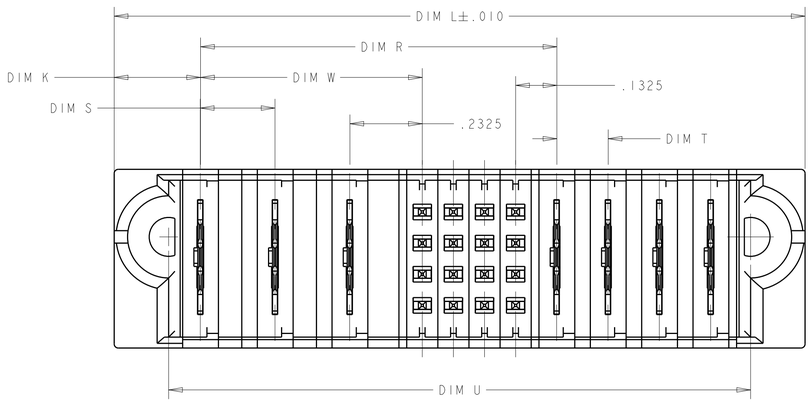
LOC	DIST
ES	00

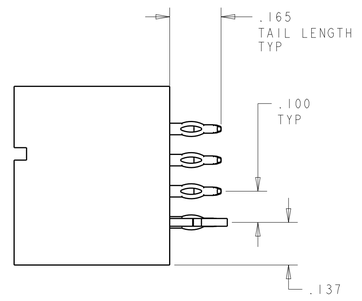
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	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 D ZHU 15NOV2007
CHK S ZHAO 15NOV2007
APVD S ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 3 OF 20 | REV G8

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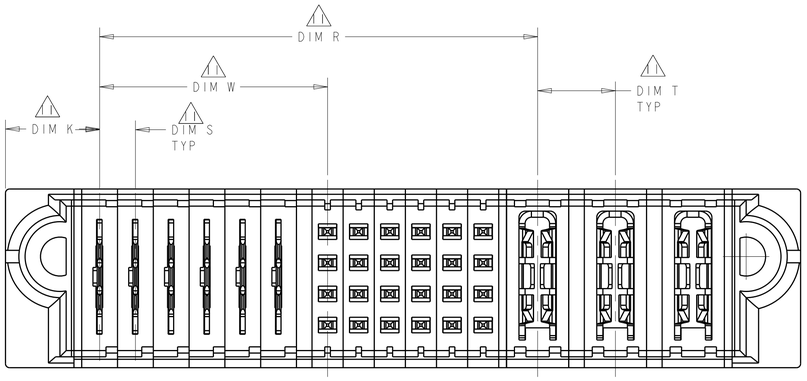
REVISIONS

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



FOR THE CONFIGURATION LP/S/P WITH VENT
OTHER DIMSENSIONS PLEASE REFER TO SHEET 2

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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 D ZHU 15NOV2007
CHK S ZHAO 15NOV2007
APVD S ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 4 OF 20 | REV G8

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LOC	DIST
ES	00

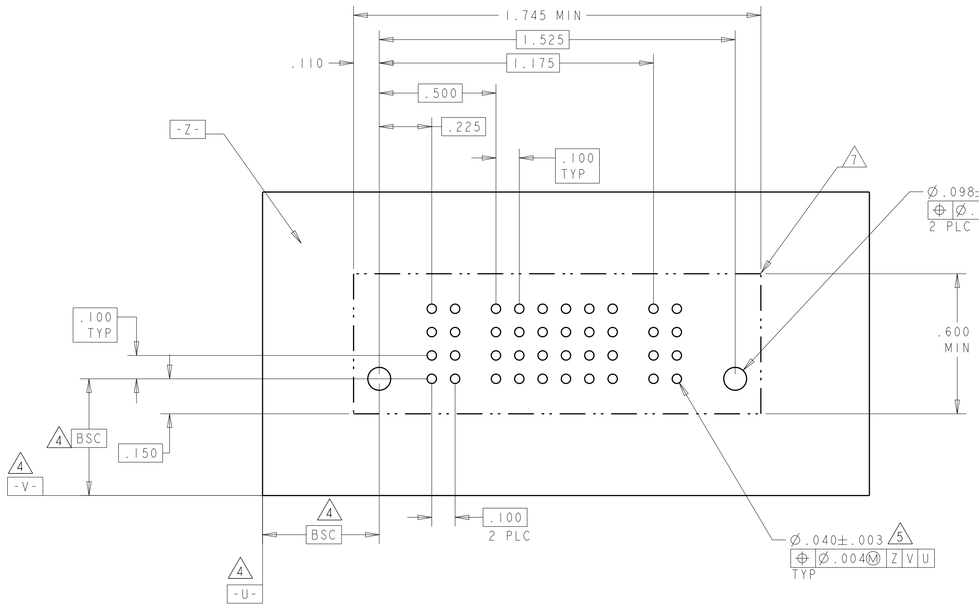
REVISIONS

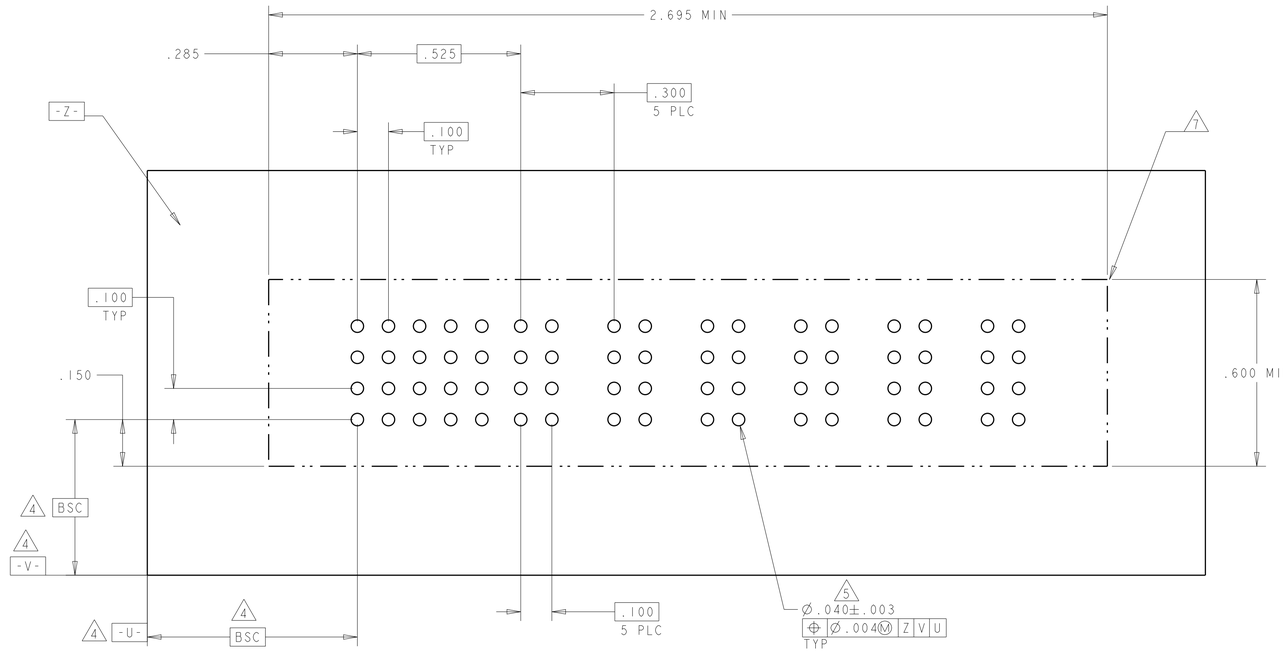
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER	SIGNAL						POWER	
			P1	1	2	3	4	5	6	P2	
6450820-1	D C B A	HD	VM	EV	EV	EV	EV	EV	EV	VM	HD
				EV	EV	EV	EV	EV	EV		
				EV	EV	EV	ES	EV	EV		
				EV	EV	EV	EV	EV	EV		
IP + 24S + IP											

E9

PART NUMBER	ROWS		SIGNAL					POWER					
			1	2	3	4	5	P1	P2	P3	P4	P5	P6
1-6450820-4	D C B A		EV	EV	EV	EV	EV	VM	VM	VM	VM	VM	VM
			EV	EV	EV	EV	EV						
			EV	EV	EV	EV	EV						
			ES	EV	EV	EV	EV						
20S + 6ACP													





.165"	LOW POWER CONTACT MFBL	LZF
.165"	LOW POWER CONTACT	LZ
.165"	SIGNAL CONTACT MFBL	EF
-	HOLD DOWN	HD
.165"	SIGNAL CONTACT MLBF	ES
.165"	SIGNAL CONTACT STD	EV
.165"	POWER CONTACT	VM
TAIL LENGTH	DESCRIPTION	CODE

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

MATERIAL - -
FINISH - -

DWN D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 5 OF 20 | REV G8

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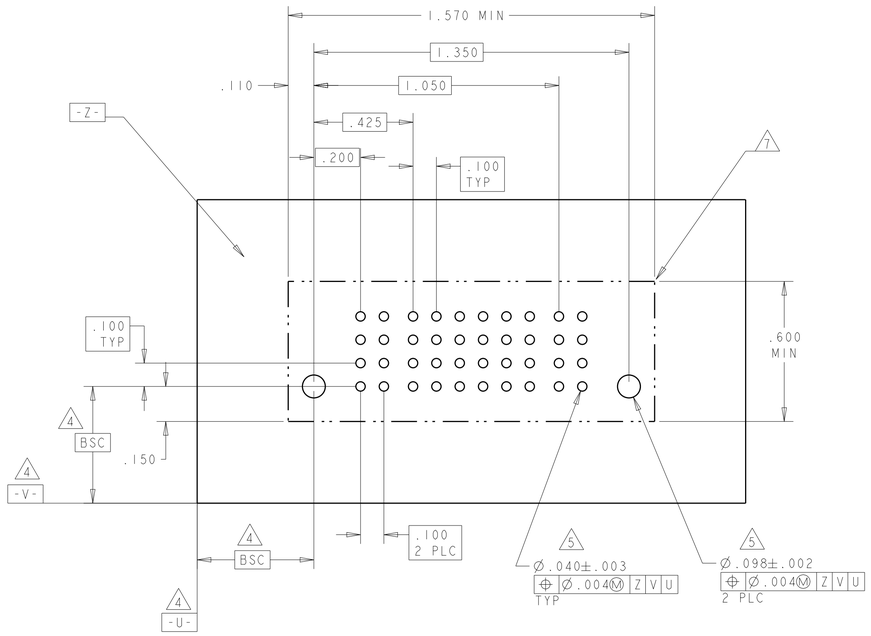
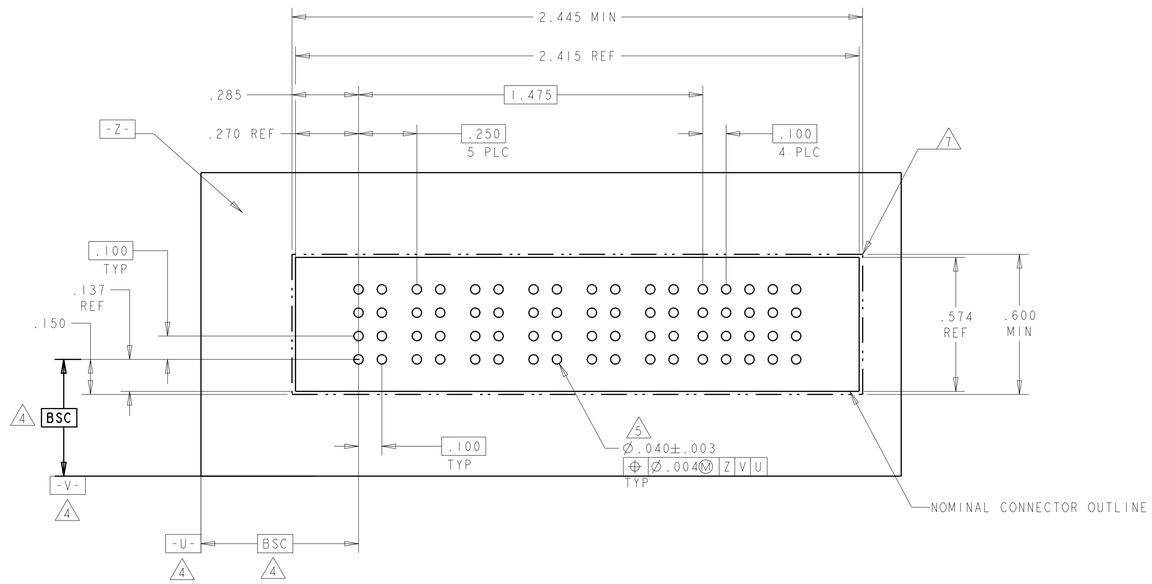
REVISIONS

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

PART NUMBER	ROWS		POWER	SIGNAL						POWER	
			P1	1	2	3	4	5	6	P2	
6450820-2	D C B A	HD	VM	EV	EV	EV	EV	EV	EV	VM	HD
				EV	EV	EV	EV	EV	EV		
				EV	EV	EV	ES	EV	EV		
				EV	EV	EV	EV	EV	EV		
IP + 24S + IP											

PART NUMBER	ROWS		POWER						SIGNAL					
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	
1-6450820-5	D C B A		VM	VM	VM	VM	VM	VM	EV	EV	EV	EV	EV	
									EV	EV	EV	EV	EV	
									EV	ES	EV	EV	EV	
									EV	EV	EV	EV	EV	
6P + 20S														





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

MATERIAL - -
FINISH - -

DWN D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 6 OF 20 | REV G8

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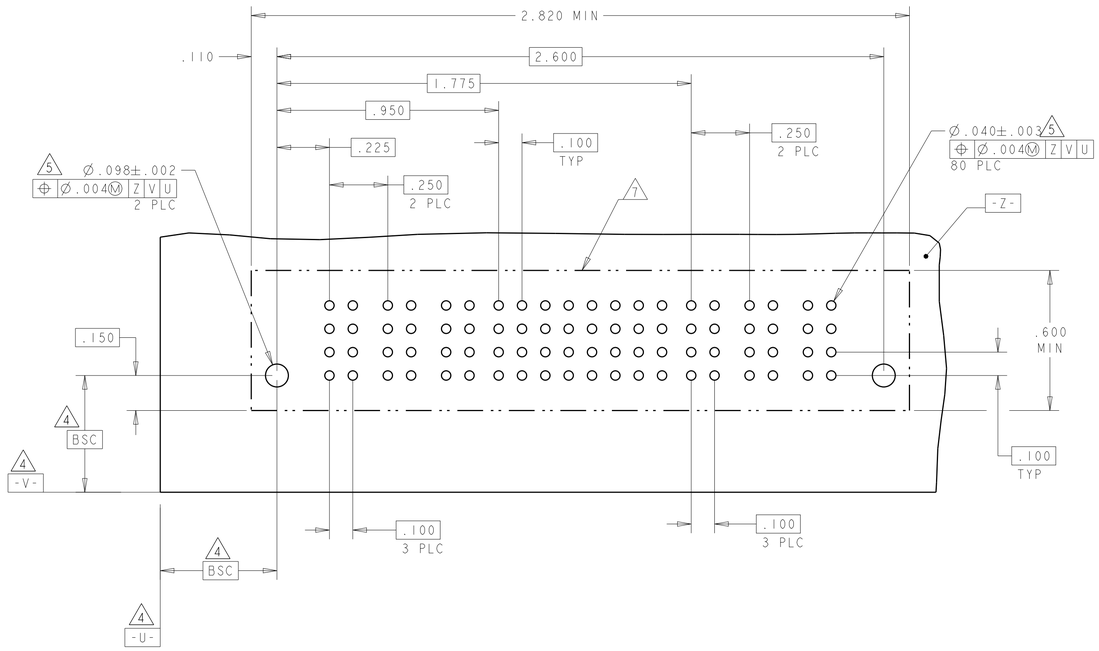
LOC	DIST
ES	00

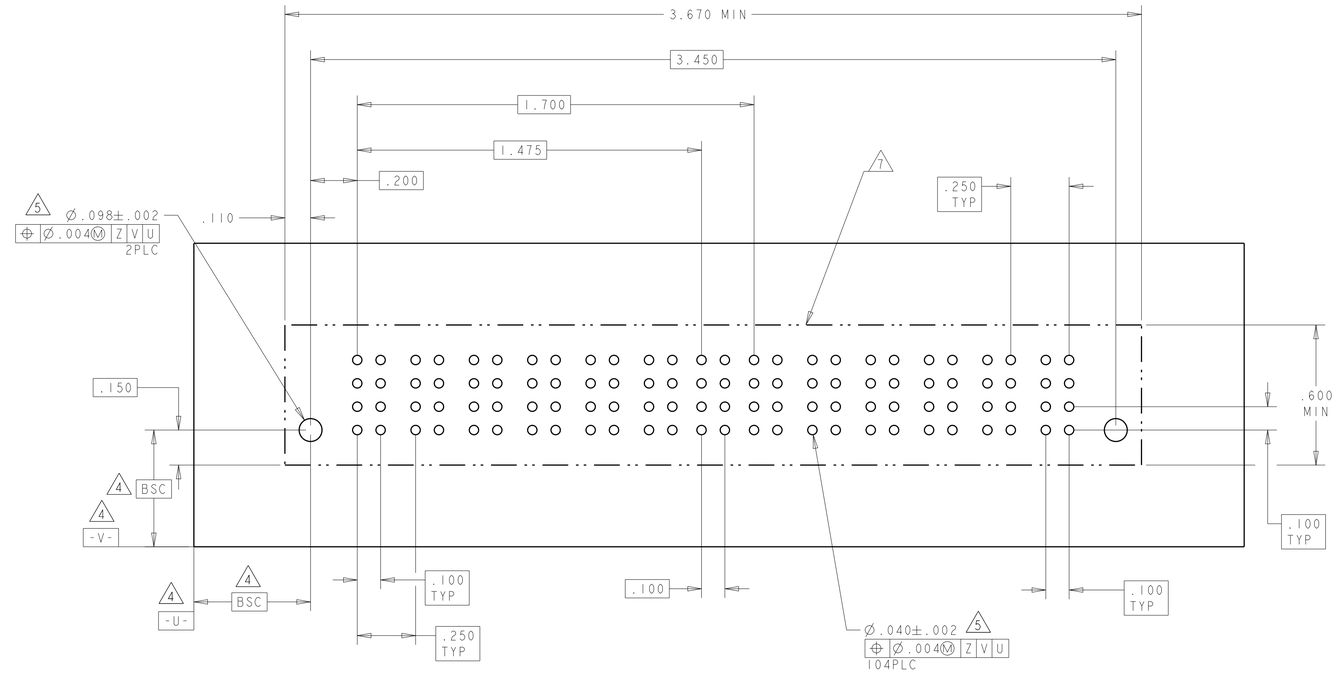
REVISIONS

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

PART NUMBER	ROWS		POWER			SIGNAL								POWER		
			P1	P2	P3	1	2	3	4	5	6	7	8	P4	P5	P6
6450820-3	D C B A	HD	VM	VM	VM	EV	EV	EV	EV	EV	EV	EV	EV	VM	VM	VM
						EV	EV	EV	EV	EV	EV	EV	EV			
						EV	EV	EV	EV	EV	EV	EV	EV			
						EV	EV	EV	EV	EV	EV	EV	EV			
		HD														
3P + 32S + 3P																

PART NUMBER	ROWS		POWER						SIGNAL		POWER						
			P1	P2	P3	P4	P5	P6	1	2	P7	P8	P9	P10	P11	P12	
6450820-4	D C B A	HD	VM	VM	VM	VM	VM	VM	EV	EV	VM	VM	VM	VM	VM	VM	HD
									EV	EV							
									EV	EV							
									EV	EV							
6P + 8S + 6P																	





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

MATERIAL - -

FINISH - -

DWN D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 7 OF 20 | REV G8

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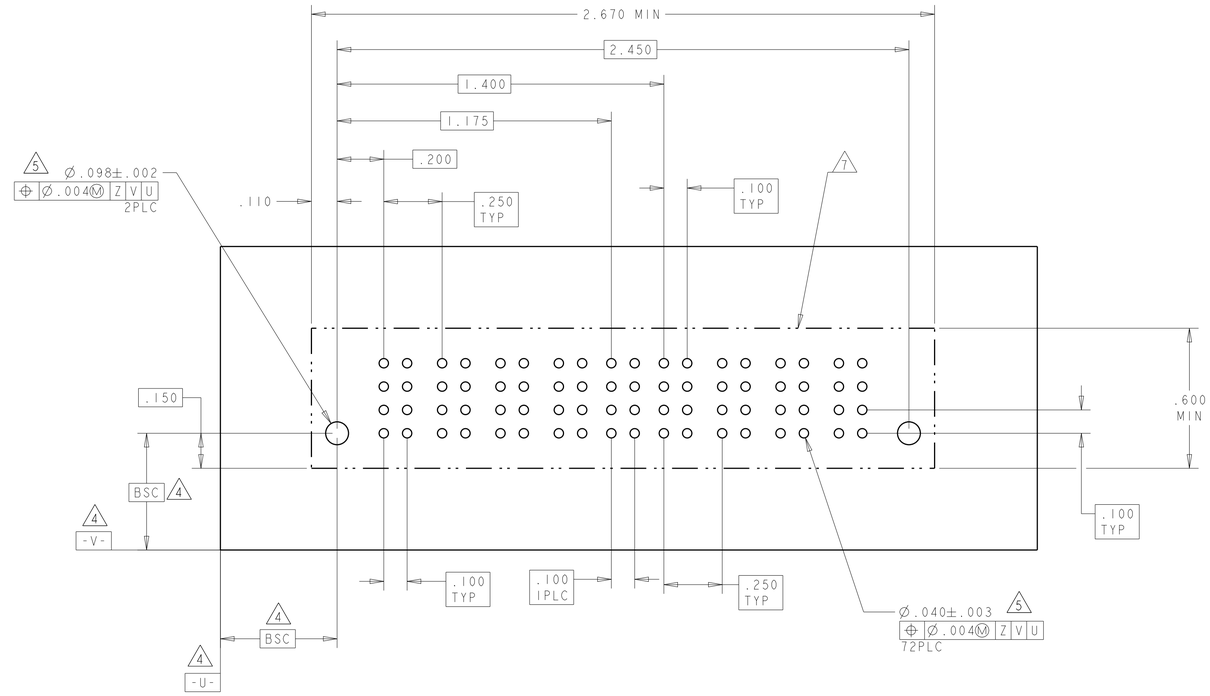
LOC	DIST
ES	00

REVISIONS

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

PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	POWER P4	SIGNAL 1	SIGNAL 2	POWER P5	POWER P6	POWER P7	POWER P8
6450820-5	D	VM	VM	VM	VM	EV	EV	VM	VM	VM	VM
	C					EV	EV				
	B					EV	EV				
	A					EV	EV				
		HD									HD

4P + 8S + 4P



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

MATERIAL - -

FINISH - -

DWN D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 8 OF 20 | REV G8

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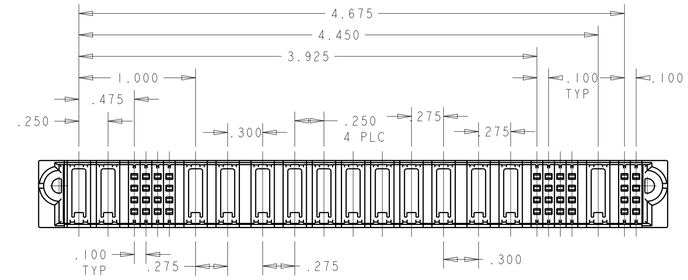
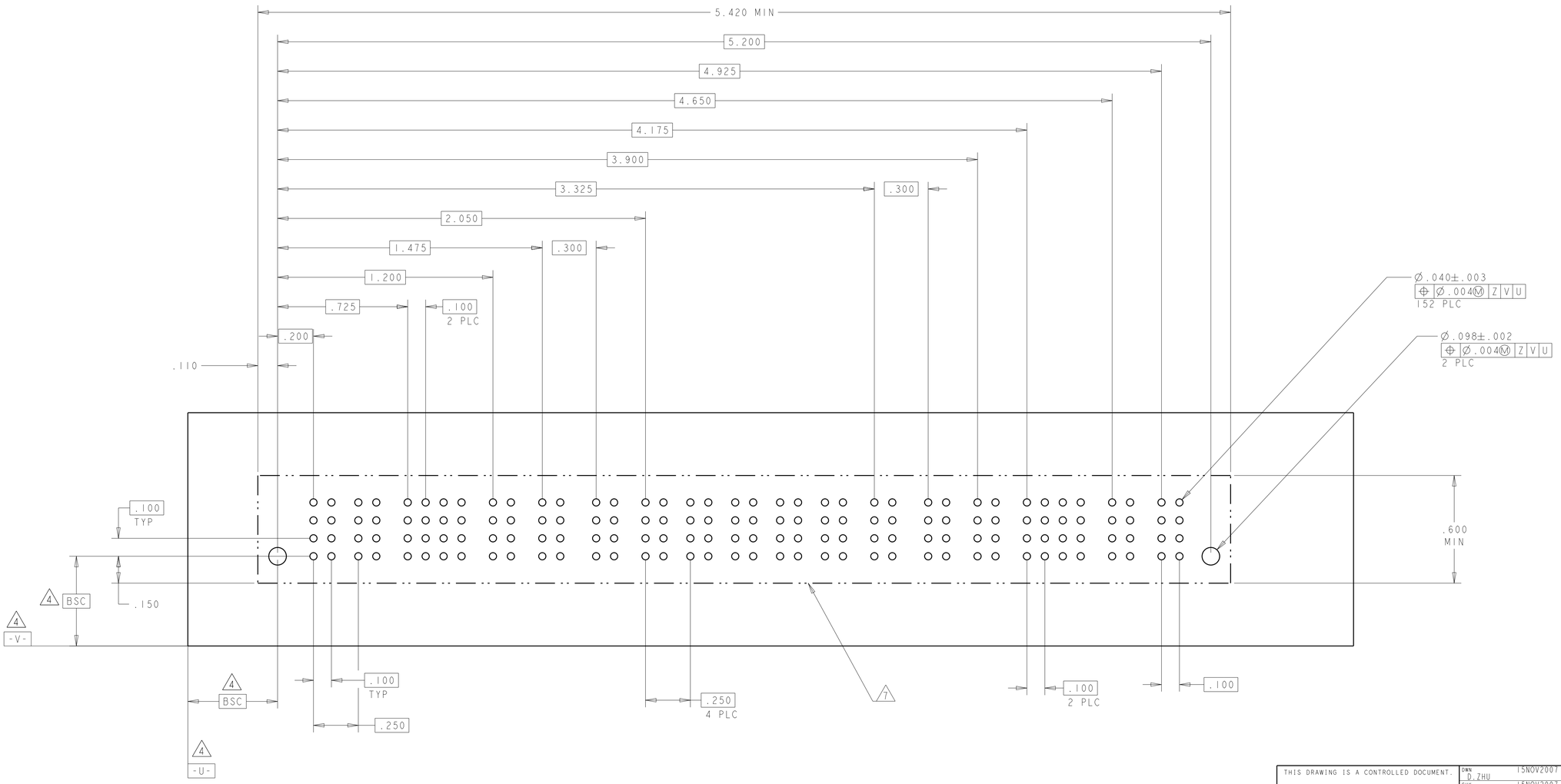
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER P1	POWER P2	SIGNAL 1	SIGNAL 2	SIGNAL 3	SIGNAL 4	POWER P3	POWER P4	POWER P5	POWER P6	POWER P7	POWER P8	POWER P9	POWER P10	POWER P11	POWER P12	POWER P13	SIGNAL 5	SIGNAL 6	SIGNAL 7	SIGNAL 8	POWER P14	SIGNAL 9	SIGNAL 10	
6450820-6	D		VM		EV	EV	EV	EV		VM	VM		VM		VM		VM	VM		EV	EV	EV	EV		EV	ES	
	C				EV	EV	EV	EV												EV	EV	EV	EV		EV	EV	
	B				EV	EV	EV	EV												EV	EV	EV	EV		EV	EV	
	A	HD			ES	EV	EV	EV												EV	EV	EV	EV		EV	EV	HD
2P+16S+1P+2ACP+5P+2ACP+1P+16S+1P+8S																											

NO CONTACTS LOADED



SCALE 3:2
6450820-6



THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN D.ZHU 15NOV2007	TE Connectivity	
DIMENSIONS: INCHES	CHK S.ZHAO 15NOV2007	NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT 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	
MATERIAL - -	FINISH - -	WEIGHT -	SIZE A1 CAGE CODE 00779 DRAWING NO C-6450820 RESTRICTED TO -
		Customer Drawing	SCALE - SHEET 9 OF 20 REV G8

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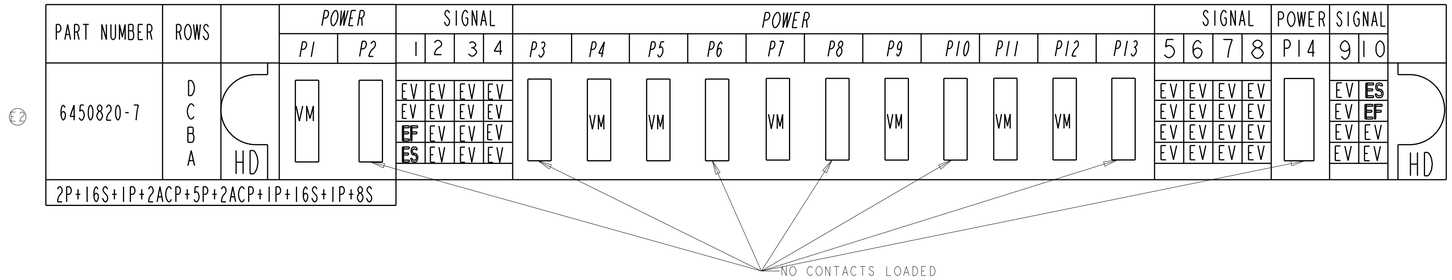
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-



THE PCB LAYOUT IS THE SAME AS 6450820-6.
PLEASE SEE 6450820-6 FOR DETAIL DIM.

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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 D ZHU 15NOV2007
CHK S ZHAO 15NOV2007
APVD S ZHAO -

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

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 10 OF 20 | REV G8

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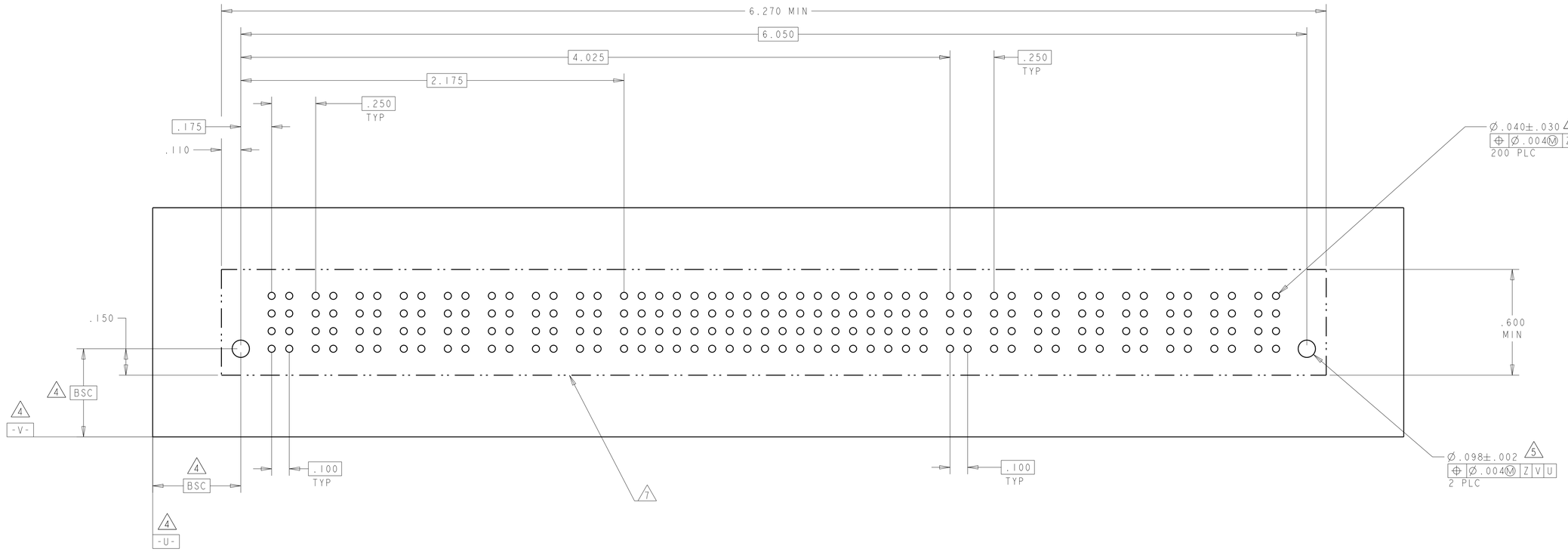
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER	SIGNAL	POWER
6450820-8	D C B A	P1 P2 P3 P4 P5 P6 P7 P8	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	P9 P10 P11 P12 P13 P14 P15 P16
		VM VM VM VM VM VM VM VM	EV EV EV EV EV EV EV EV EV EV EV EV EV EV EV EV EV EV (4 rows)	VM VM VM VM VM VM VM VM
		HD		HD
8P + 72S + 8P				



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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	D.ZHU	15NOV2007
CHK	S.ZHAO	15NOV2007
APVD	S.ZHAO	-
PRODUCT SPEC	108-2292	
APPLICATION SPEC	114-13251	
WEIGHT	-	

TE Connectivity

NAME: VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 11 OF 20 | REV G8

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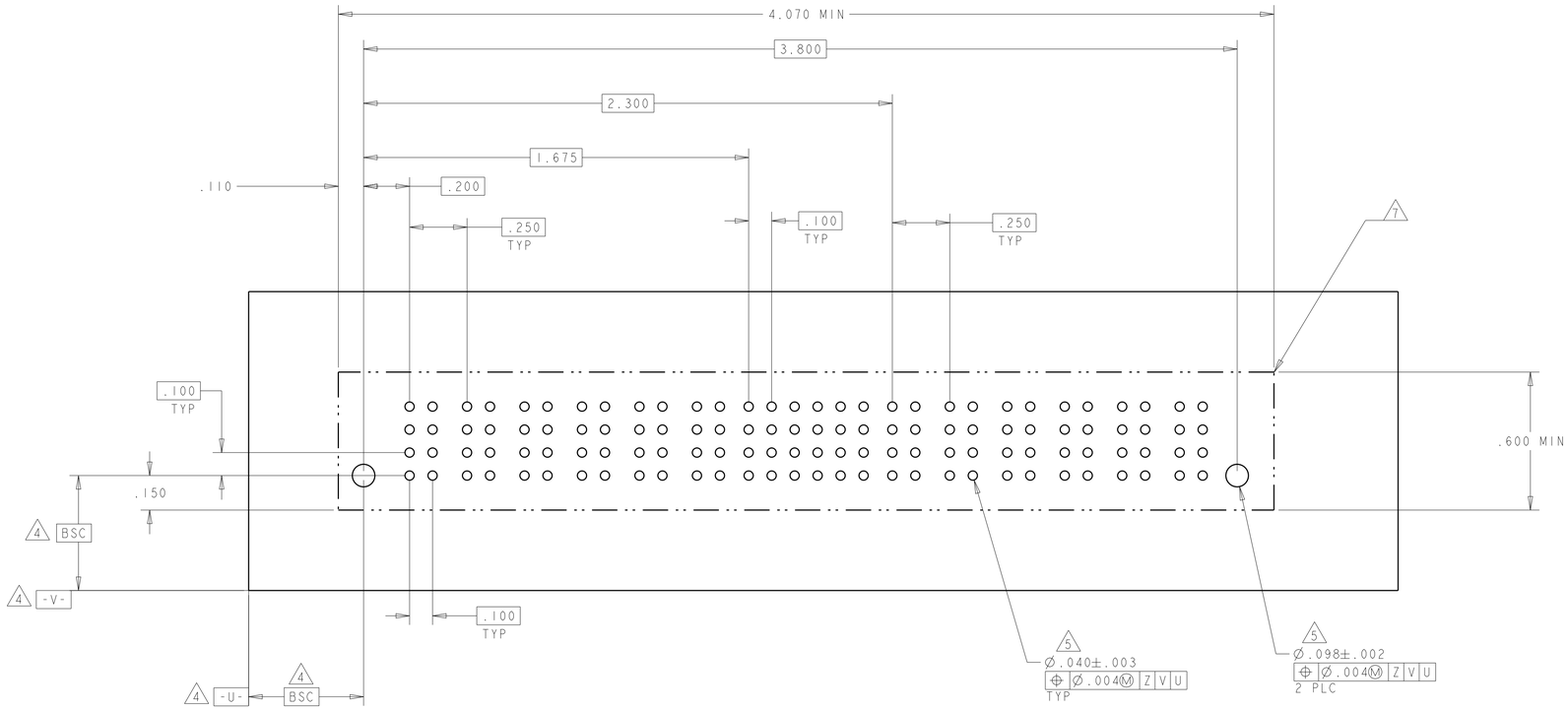
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER						SIGNAL						POWER						
			P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	P7	P8	P9	P10	P11	P12	
1-6450820-1	D C B A	HD	VM	VM	VM	VM	VM	VM	EV EV EV ES	EV EV EV EV	EV EV EV EV	EV EV EV EV	EV EV EV EV	EV EV EV EV	VM	VM	VM	VM	VM	VM	HD
6P + 24S + 6P																					



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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 D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

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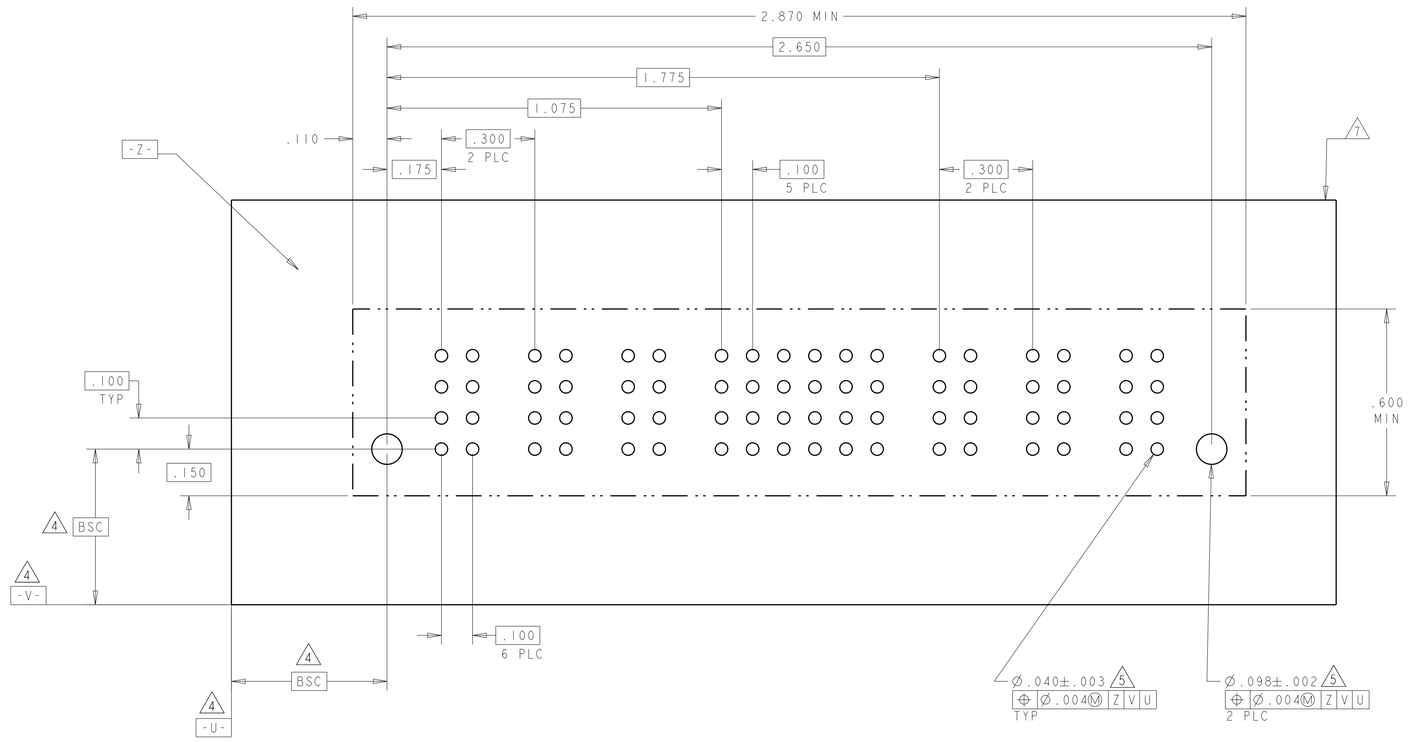
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER			SIGNAL						POWER			
			P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	
1-6450820-3	D		VM	VM	VM	EV	EV	EV	EV	EV	EV	VM	VM	VM	
	C					EV	EV	EV	EV	EV	EV				
	B					EV	EV	EV	EV	EV	EV				
	A	HD				EV	EV	EV	EV	EV	EV				HD
3ACP + 24S + 3ACP															



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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 D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

PRODUCT SPEC 108-2292

APPLICATION SPEC 114-13251

WEIGHT -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing

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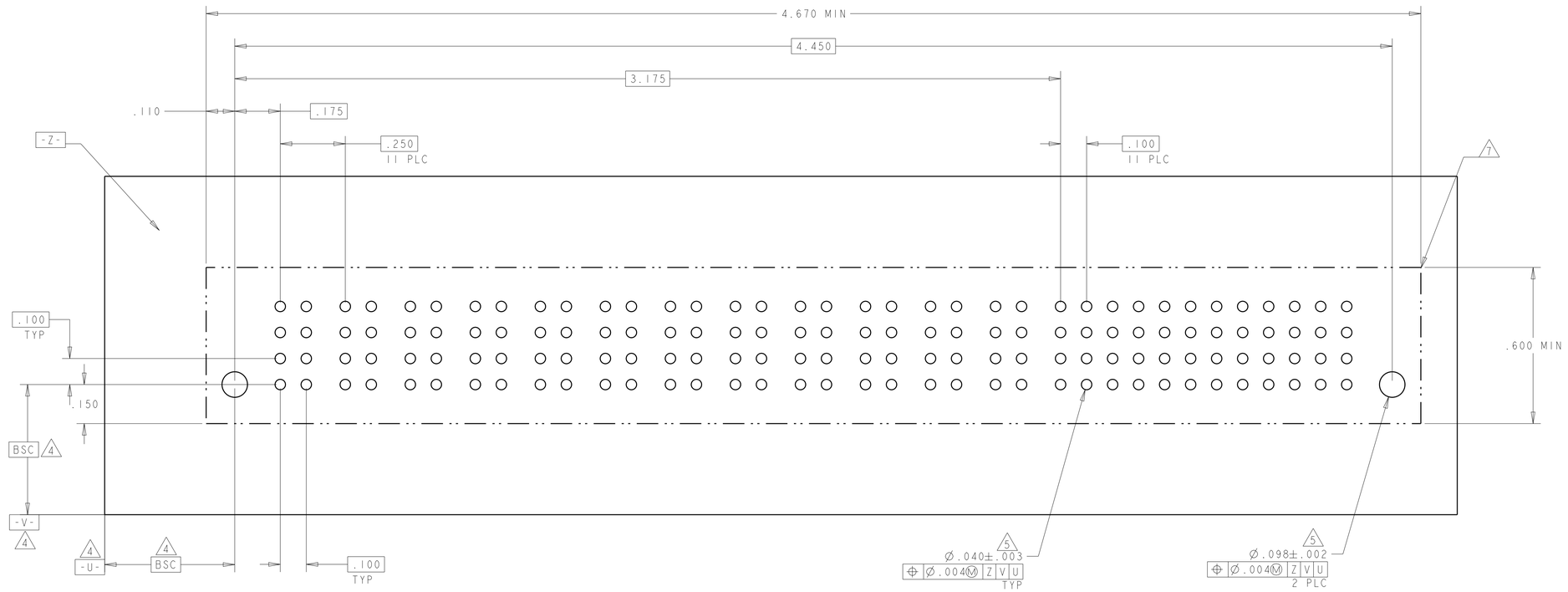
REVISIONS

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	1	2	3	4	5	6	7	8	9	10	11	12
1-6450820-7	D		VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV
	C														EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV
	B														EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV
	A	HD													EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV
12P + 48S																										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 D.ZHU	15NOV2007
CHK S.ZHAO	15NOV2007
APVD S.ZHAO	-
PRODUCT SPEC	108-2292
APPLICATION SPEC	114-13251
WEIGHT	-

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 14 OF 20 | REV G8

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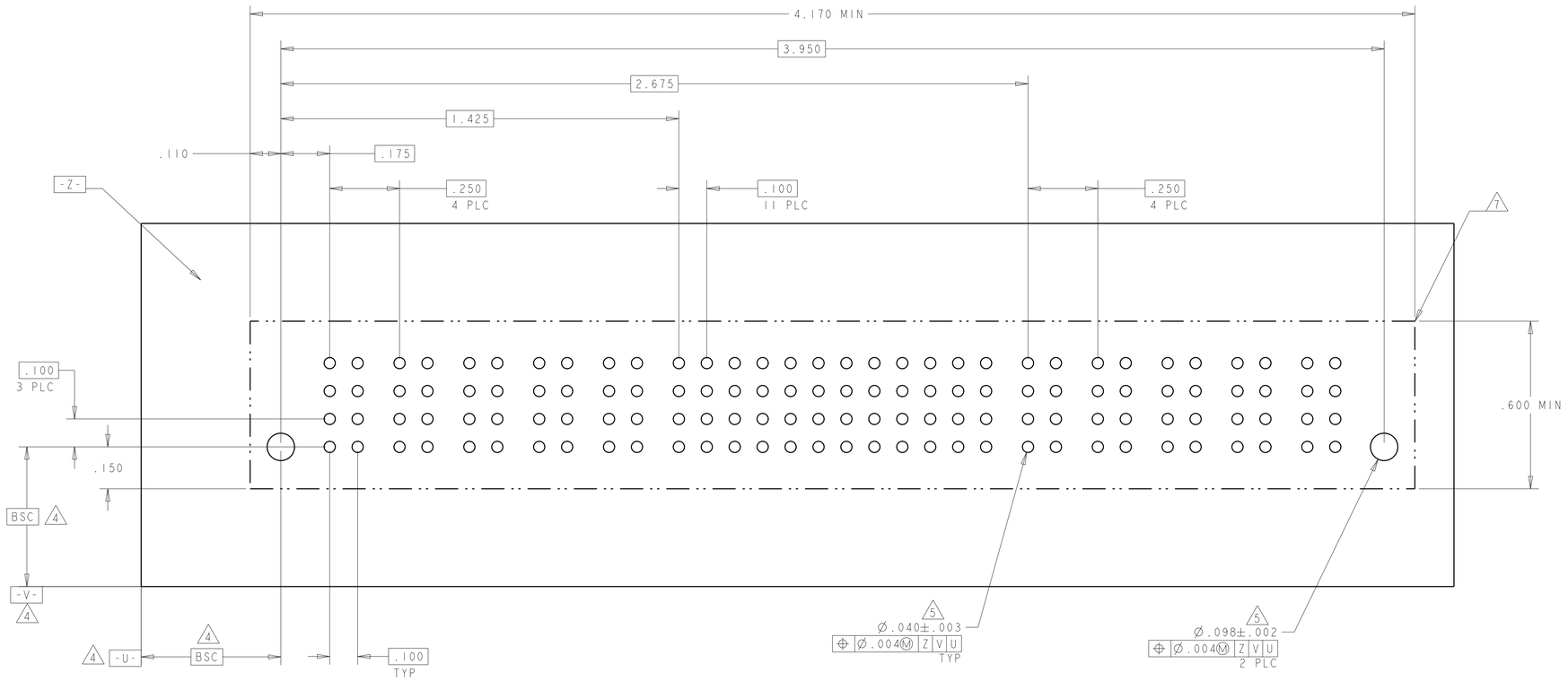
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER					SIGNAL											POWER					
			P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	9	10	11	12	P6	P7	P8	P9	P10	
1-6450820-8	D		VM	VM	VM	VM	VM	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	VM	VM	VM	VM	VM	
	C							EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV						
	B							EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV						
	A	HD						EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV						HD
5P + 48S + 5P																								



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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 D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

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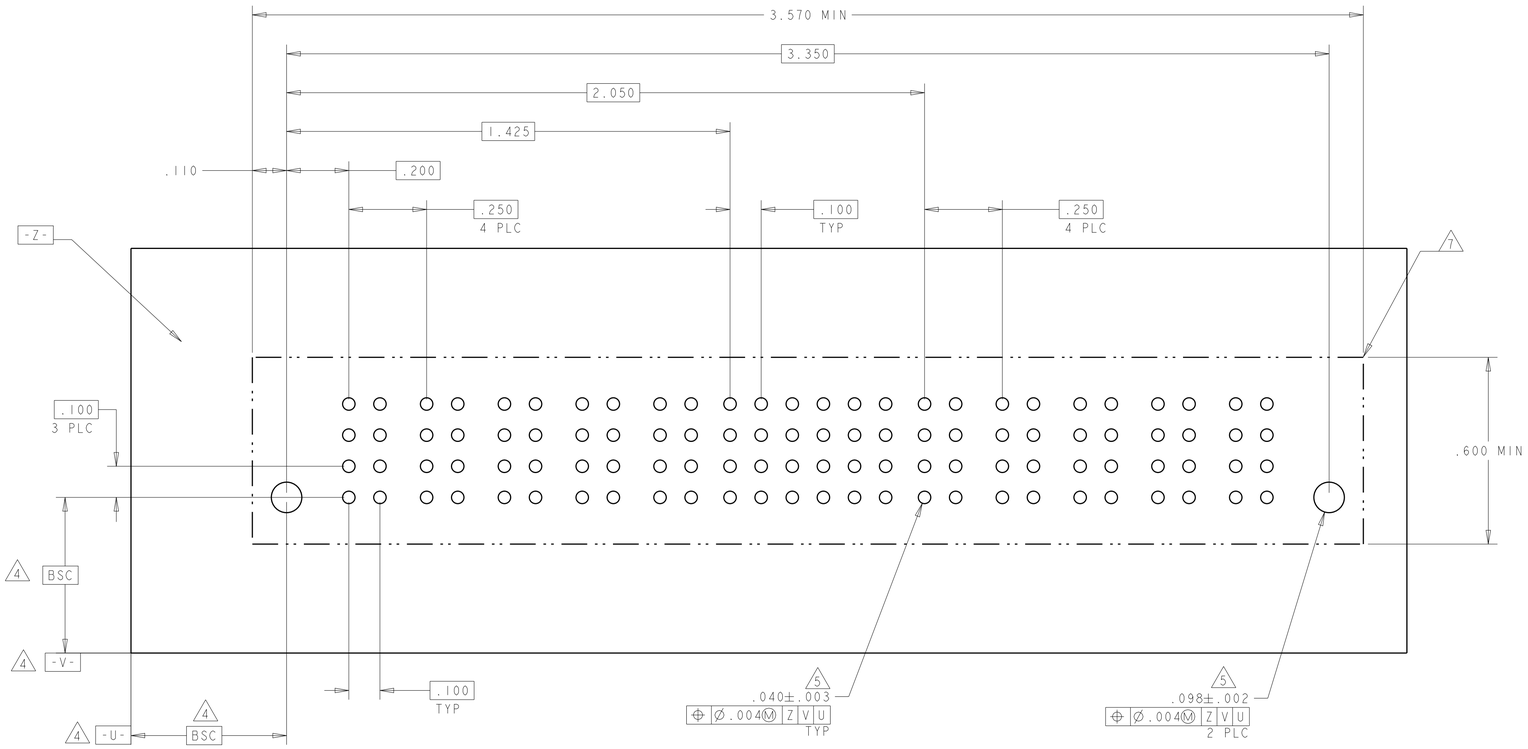
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER					SIGNAL						POWER					
			P1	P2	P3	P4	P5	1	2	3	4	5	6	P6	P7	P8	P9	P10	
1-6450820-9	D		VM	VM	VM	VM	VM	EV	EV	EV	EV	EV	EV	VM	VM	VM	VM	VM	
	C							EV	EV	EV	EV	EV	EV						
	B							EV	EV	EV	EV	EV	EV						
	A	HD						EV	EV	EV	EV	EV	EV						HD
5P + 24S + 5P																			



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

MATERIAL - -

FINISH - -

DWN D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

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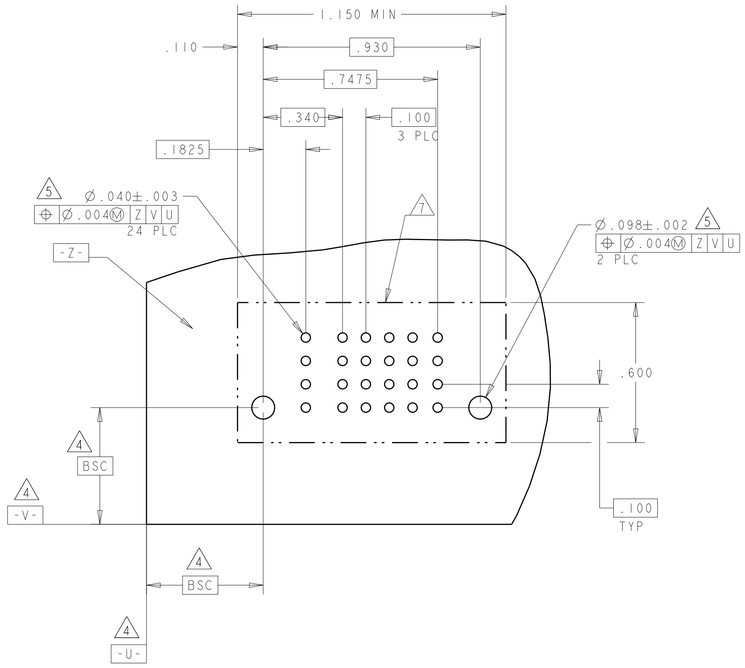
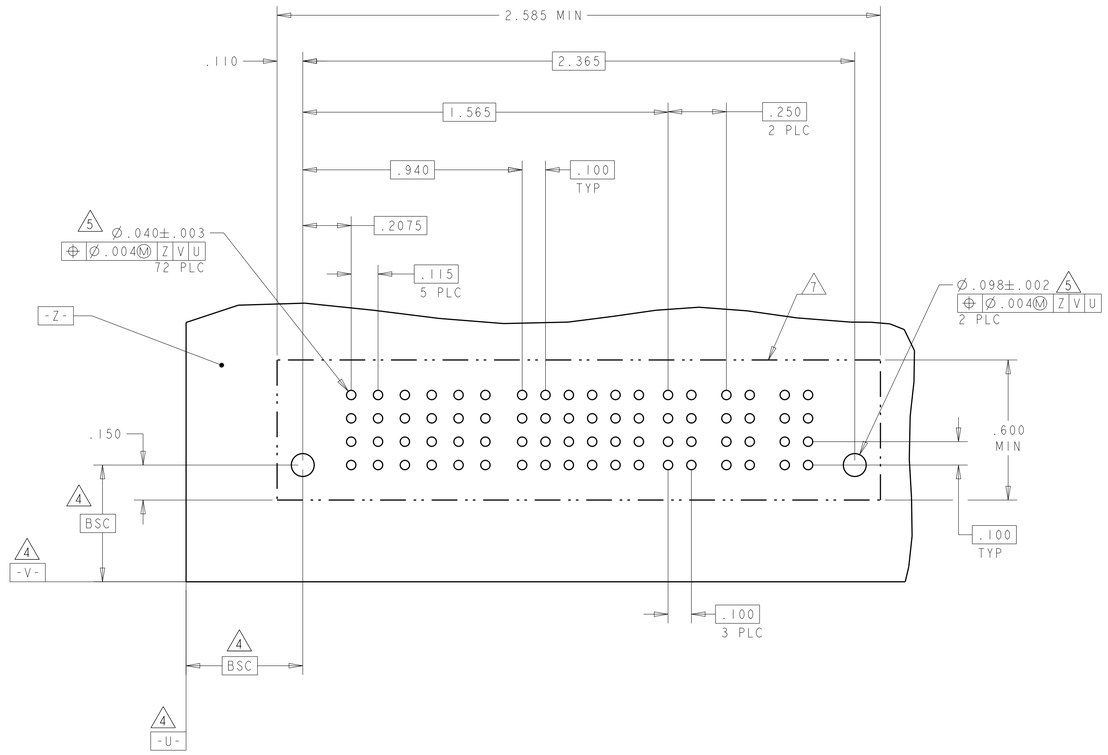
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER	SIGNAL				POWER	
			LP1	1	2	3	4	LP2	
2-6450820-0	D C B A	HD	LZ	EV	EV	EV	EV	LZ	HD
				EV	EV	EV	EV		
				EV	EV	EV	EV		
				EV	EV	EV	EV		
1LP + 16S + 1LP									



PART NUMBER	ROWS		LOW POWER						SIGNAL						POWER		
			LP1	LP2	LP3	LP4	LP5	LP6	1	2	3	4	5	6	P1	P2	P3
2-6450820-1	D C B A	HD	LZ	LZ	LZ	LZ	LZ	LZ	EV	EV	EV	EV	EV	EV	VM	VM	VM
									EV	EV	EV	EV	EV	EV			
									EV	EV	FS	EV	EV	EV			
									EV	EV	EV	EV	EV	EV			
6LP + 24S + 3P																	

F8



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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°	CHK S.ZHAO 15NOV2007	NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE
		APVD S.ZHAO -	
		PRODUCT SPEC 108-2292	
		APPLICATION SPEC 114-13251	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-6450820 / RESTRICTED TO -
MATERIAL - -	FINISH - -	WEIGHT -	
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P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

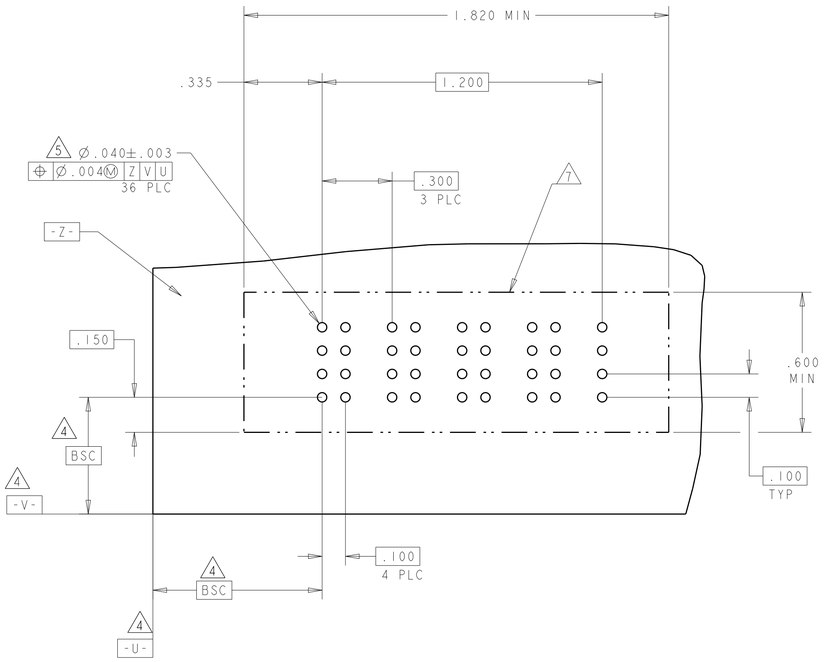
G1

PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	POWER P4	SIGNAL 1
2-6450820-2	D	VM	VM	VM	VM	EV
	C					EV
	B					EV
	A					EV
4ACP + 4S						

G3

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	P6	P7	P8	SIGNAL 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	POWER P9	P10	P11	P12	P13	P14	P15	P16
6450820-9	D	VM	VM	VM	VM	VM	VM	VM	VM	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	VM	VM	VM	VM	VM	VM	VM	VM
	C									EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV								
	B									EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV								
	A	HD								EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	EV	HD							
8P + 72S + 8P																																			

THE PCB LAYOUT IS THE SAME AS 6450820-8.



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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°	DWN D.ZHU 15NOV2007	TE Connectivity
		CHK S.ZHAO 15NOV2007	NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE
MATERIAL - -	FINISH - -	APVD S.ZHAO -	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-6450820 / RESTRICTED TO -
		PRODUCT SPEC 108-2292	
		APPLICATION SPEC 114-13251	
		WEIGHT -	SCALE - / SHEET 18 OF 20 / REV G8
		Customer Drawing	

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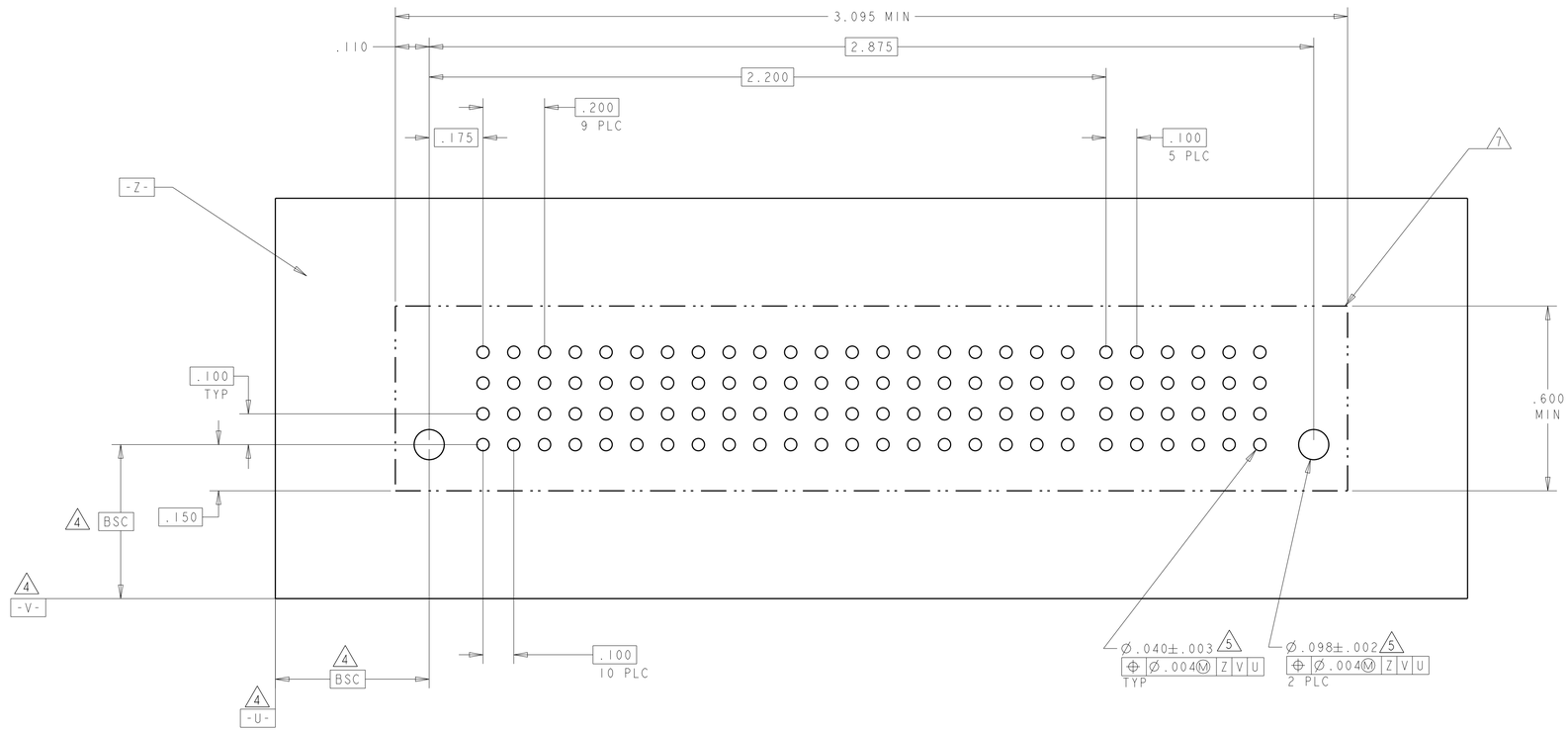
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER										SIGNAL						
			P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5	6	
2-6450820-3	D C B A	HD	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	EV	EV	EV	EV	EV	EV	HD
													EV	EV	EV	EV	EV	EV	
													EV	EV	EV	EV	EV	EV	
													EV	EV	EV	EV	EV	EV	
10HDP + 24S																			



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DIMENSIONS: INCHES

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

MATERIAL - -
FINISH - -

DWN D.ZHU 15NOV2007
CHK S.ZHAO 15NOV2007
APVD S.ZHAO -
PRODUCT SPEC 108-2292
APPLICATION SPEC 114-13251
WEIGHT -

TE Connectivity

NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT MULTI-BEAM XLE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450820	-

Customer Drawing | SCALE - | SHEET 19 OF 20 | REV G8

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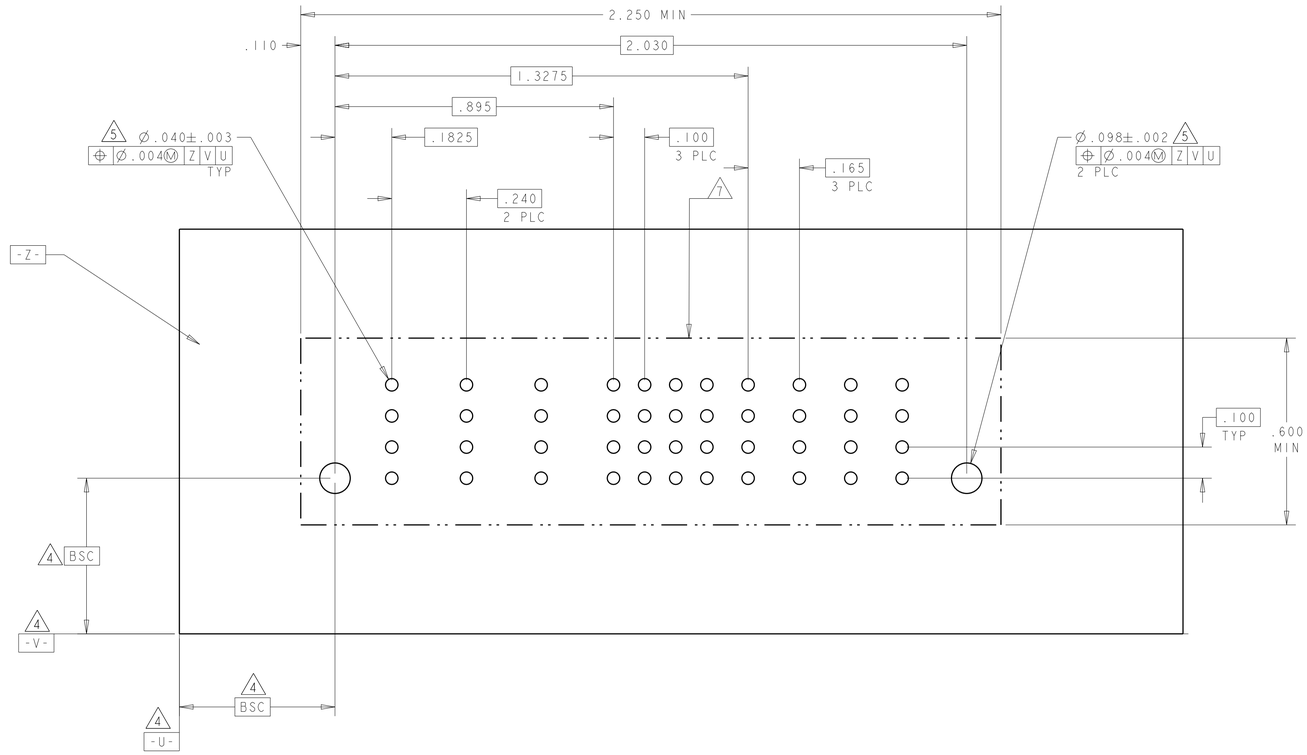
REVISIONS

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

PART NUMBER	ROWS		POWER			SIGNAL				POWER				
			LP1	LP2	LP3	1	2	3	4	LP4	LP5	LP6	LP7	
2-6450820-5	D	HD	LZ	LZ	LZF	EV	EV	EV	ES	LZ	LZ	LZ	LZ	HD
	C					EV	EV	EV	EV					
	B					EV	EV	EV	EV					
	A					EV	EV	EV	EV					
3LP + 16S + 4LP														

G8



THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN D.ZHU 15NOV2007	TE Connectivity	
DIMENSIONS: INCHES	CHK S.ZHAO 15NOV2007	NAME VERTICAL HEADER ASSEMBLY W/ SHORT END MODULES, PRESS FIT 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	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-6450820 / RESTRICTED TO -
MATERIAL - -	APPLICATION SPEC 114-13251	WEIGHT -	
FINISH - -	Customer Drawing	SCALE -	SHEET 20 OF 20 / REV G8

Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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