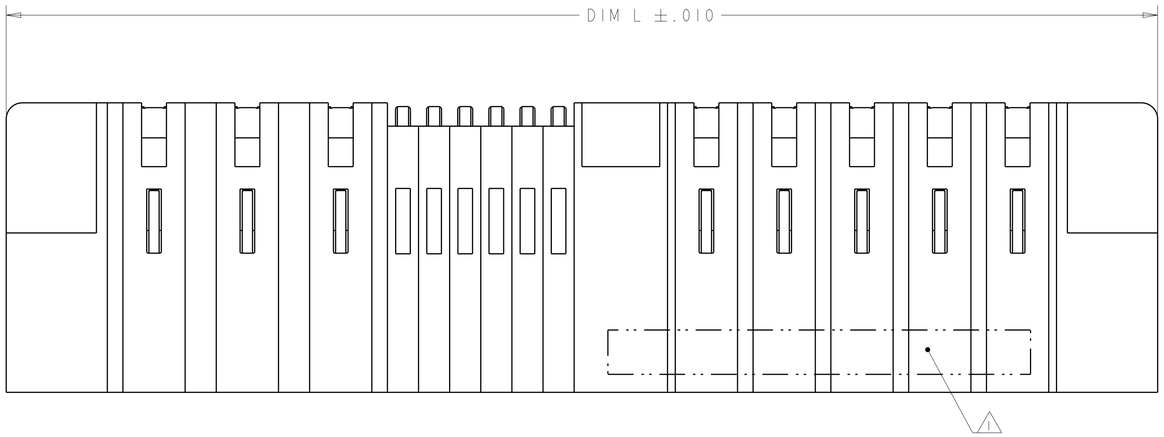
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

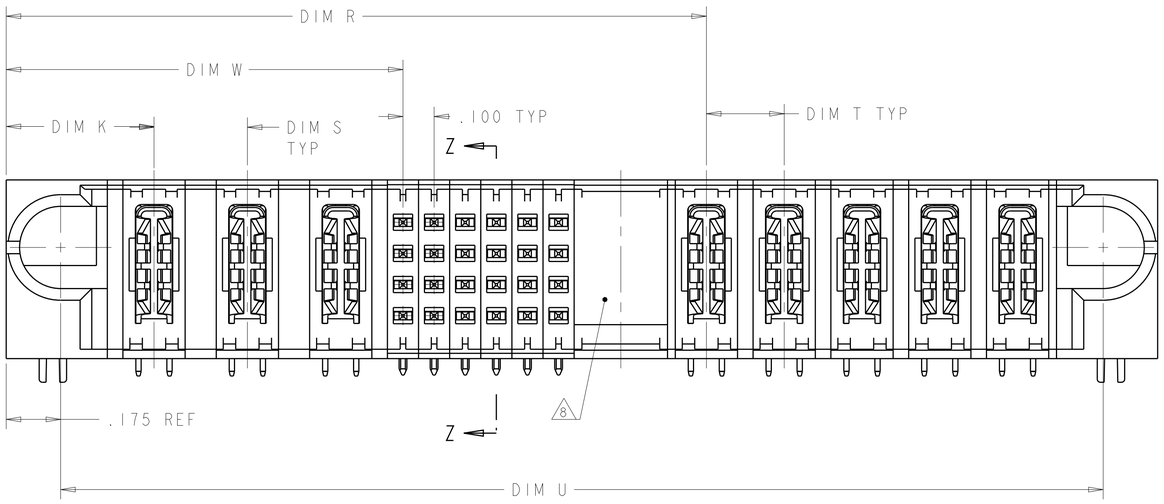
LOC	DIST
ES	00

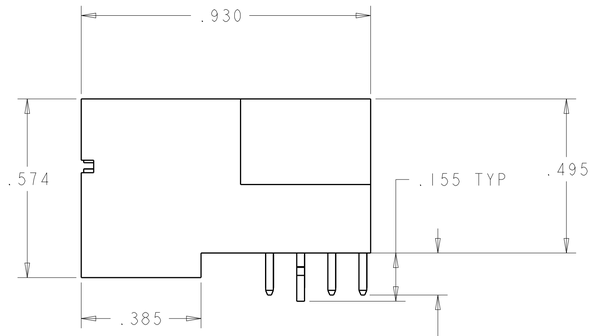
REVISIONS

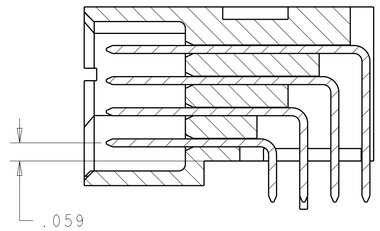
P	LTR	DESCRIPTION	DATE	DWN	APVD
	M1	ADD NEW DASH NUMBER 7-0	08FEB2014	AL	SZ
	M2	ADD NEW DASH NUMBER	21MAR2014	AL	SZ



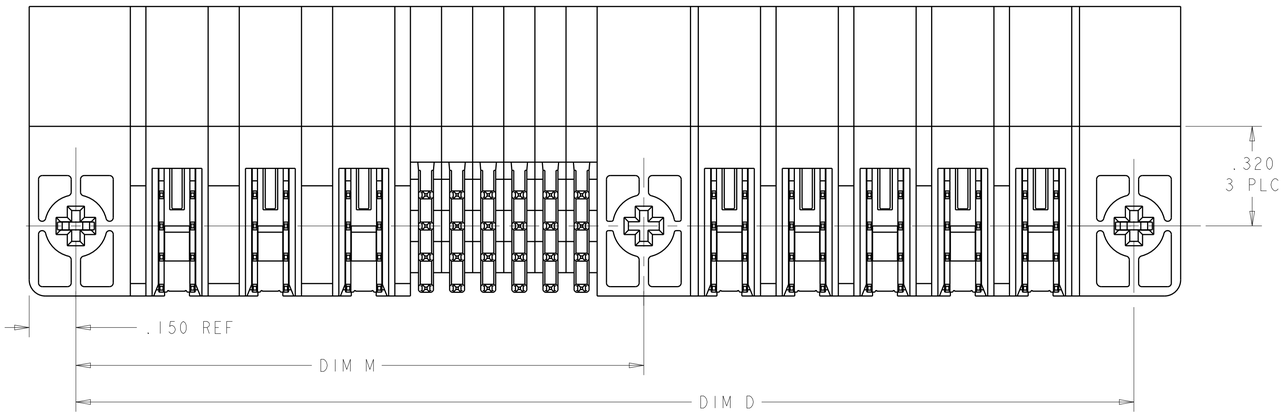
1. "AMP" PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN. PARTS UNDER 2.500 LONG MAY BE MARKED ON BOTH SIDES.
2. MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL 94 V-O
   SIGNAL CONTACT - COPPER ALLOY
   POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.
3. CONTACT FINISHE:
   NOBLE METAL PLATED ON THE CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS.
4. MECHANICAL CONNECTOR KEEP OUT ZONE. WHEN PLACING CONNECTORS END-TO-END, ALLOW ADDITIONAL 0.1 CLEARANCE BETWEEN CONNECTORS FOR LATCH ACTIVATION.
5. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
6. PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
7. PCB - .0453±.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040 DIA HOLE.
8. OPTIONAL CENTER MODULE WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE.







SECTION Z-Z



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL - 2

FINISH - 3

DWN R.GRZYBOWSKI 02FEB05
CHK M.PERCHERKE 02FEB05
APVD M.PERCHERKE 02FEB05

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

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 24 | REV M2

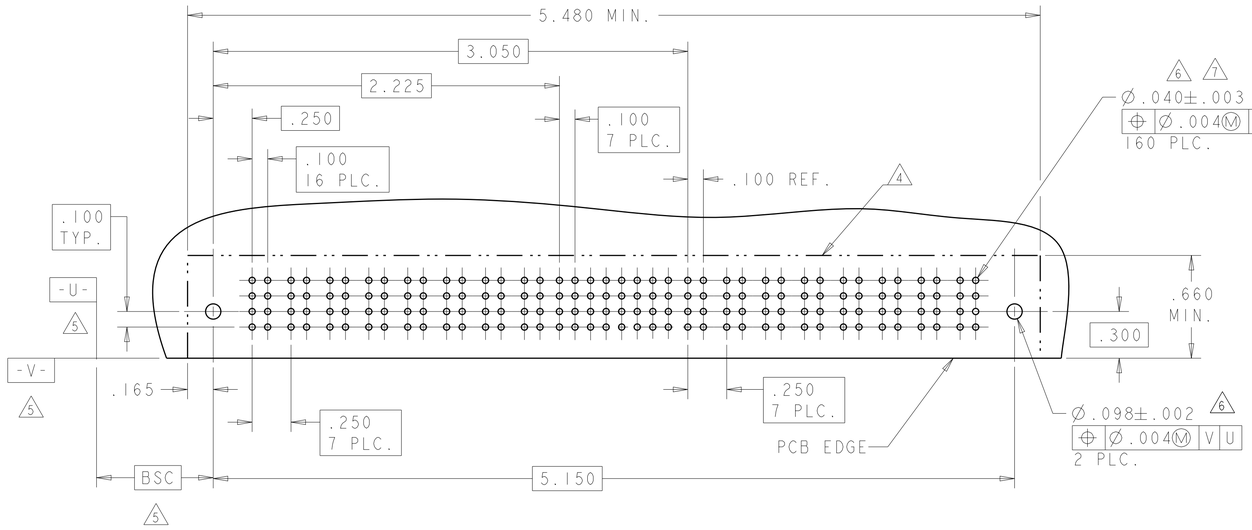
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

REVISIONS

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

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	P6	P7	P8	SIGNAL 1	2	3	4	5	6	7	8	POWER P9	P10	P11	P12	P13	P14	P15	P16
6450120-1	D	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM
	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								
		HD																							HD
8P + 32S + 8P																									



	U	S	T	R	W	D	M	L	K	DESCRIPTION	PART NUMBER
M2	1.700	.250	.250	1.300	.875	1.750	-	2.050	.450	2P+16S+2P	7-6450120-1
	2.700	.200	-	2.600	1.425	2.750	-	3.050	.450	5P + 44S + 1P	7-6450120-0
	1.100	-	-	1.000	.625	1.150	-	1.450	.450	1P+12S+1P	6-6450120-9
	1.000	-	-	.900	.625	1.050	-	1.350	.450	1P + 8S + 1P	6-6450120-8
	2.850	.300	.200	2.125	1.825	2.900	-	3.200	.450	7HDP + 8S + 3ACP	6-6450120-7
	2.650	.250	.200	1.550	.875	2.700	-	3.000	.450	2P + 24S + 6P	6-6450120-6
	2.300	.300	.250	1.950	1.275	2.350	-	2.650	.475	3ACP + 24S + 2P	6-6450120-5
	3.100	.250	.250	2.250	1.875	3.150	-	3.450	.450	6P + 12S + 4P	6-6450120-4
	2.400	.250	.250	1.800	1.125	2.450	-	2.750	.475	3P + 24S + 3P	6-6450120-1
	3.000	.300	.250	1.650	1.325	3.050	-	3.350	.475	3ACP + 8S + 6P	6-6450120-0
	1.900	.300	.250	1.550	1.275	1.950	-	2.250	.475	3ACP + 8S + 2P	5-6450120-9
	2.800	-	-	-	0.375	2.850	-	3.150	-	100S	5-6450120-8
	2.700	.250	.250	2.100	1.125	2.750	-	3.050	.450	3P + 36S + 3P	5-6450120-7
	1.100	-	-	1.000	.625	1.150	-	1.450	.450	1P + 12S + 1P	5-6450120-6
	3.250	.300	.250	2.525	2.175	3.300	-	3.600	.450	7P + 8S + 3ACP	5-6450120-5
	2.400	.250	.250	1.550	.875	2.450	-	2.750	.450	2P + 24S + 4P	5-6450120-3
	5.400	.300	.300	2.875	2.175	5.450	-	5.750	.475	6P + 24S + 9P	5-6450120-2
	3.800	.250	.300	1.875	1.375	3.850	-	4.150	.450	4P + 16S + 7ACP	5-6450120-0
	1.600	.250	.250	1.250	.875	1.650	-	1.950	.450	2P + 12S + 2P	4-6450120-9
	2.900	.250	.250	2.050	1.375	2.950	-	3.250	.450	4P + 24S + 4P	4-6450120-8
	1.900	.250	.250	1.550	0.875	1.950	-	2.250	.450	2P + 24S + 2P	4-6450120-7
	2.000	.250	.250	1.400	1.125	2.050	-	2.350	.450	3P + 8S + 3P	4-6450120-6
	2.900	.250	.250	3.550	2.875	5.950	-	6.250	.450	10P + 24S + 10P	4-6450120-5
	3.700	.200	.300	2.700	2.025	3.750	-	4.050	.450	8P + 24S + 4ACP	4-6450120-4
	2.900	.300	.250	2.050	1.575	2.950	-	3.250	.475	4ACP+16S+4P	4-6450120-3
	4.375	.250	.300	3.375	2.375	4.425	3.100	4.725	.450	8P + 24S + 1M + 4ACP	4-6450120-2
	4.100	.300	.250	2.250	1.575	4.150	-	4.450	.475	4ACP + 24S + 8P	4-6450120-0
	3.800	.250	.250	3.450	.875	3.850	-	4.150	.450	2P + 100S + 2P	3-6450120-6
	4.600	.250	.250	3.250	1.875	4.650	-	4.950	.450	6P + 52S + 6P	3-6450120-5
	5.100	.250	.250	3.500	2.175	5.150	-	5.450	.450	7P + 48S + 7P	3-6450120-4
	3.500	.250	.300	2.775	2.375	3.550	-	3.850	.450	8P + 12S + 3ACP	3-6450120-3
	4.000	.200	.200	2.700	1.825	4.050	-	4.350	.450	7HDP + 32S + 7HDP	3-6450120-0
	3.900	.250	.250	2.550	1.875	3.950	-	4.250	.450	6P + 24S + 6P	2-6450120-7
	5.200	.300	.250	2.350	1.625	5.250	-	5.550	.475	4ACP + 24S + 12P	2-6450120-6
	2.500	.250	.250	2.150	1.425	2.550	-	2.850	.450	4P + 24S + 2P	2-6450120-5
	3.600	.250	.250	2.500	1.625	3.650	-	3.950	.450	5P + 32S + 5P	2-6450120-4
	2.500	.250	.250	2.150	.875	2.550	-	2.850	.450	2P + 48S + 2P	2-6450120-3
	4.500	.300	.250	1.650	.975	4.550	-	4.850	.475	2ACP + 24S + 12P	2-6450120-2
	2.850	.250	.250	2.000	1.125	2.900	-	3.200	.450	3P + 32S + 4P	2-6450120-1
	3.950	.200	.250	2.125	1.025	4.000	-	4.300	.425	3P + 40S + 8P	2-6450120-0
	1.400	-	-	1.300	.625	1.450	-	1.750	.450	1P + 24S + 1P	1-6450120-6
	2.000	.300	.300	1.575	.975	2.050	-	2.350	.475	2P + 20S + 2P	1-6450120-4
	1.200	-	-	1.100	.625	1.250	-	1.550	.450	1P + 16S + 1P	1-6450120-3
	2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	1-6450120-2
	2.675	.200	.200	2.375	1.650	2.725	-	3.025	.450	5P + 24S + 2P	1-6450120-1
	4.350	.250	.250	3.500	2.625	4.400	-	4.700	.450	9P + 32S + 4P	1-6450120-0
	4.150	.250	.250	2.800	2.125	4.200	-	4.500	.450	7P + 24S + 6P	6450120-9
	2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	6450120-8
	3.050	.300	.250	1.950	1.275	3.100	-	3.400	.475	3ACP + 24S + 5P	6450120-7
	7.400	.250	.250	5.050	2.875	7.450	-	7.750	.450	10P + 84S + 10P	6450120-6
	4.350	.250	.250	3.000	2.125	4.400	-	4.700	.450	7P + 32S + 6P	6450120-5
	3.650	.250	.250	2.550	1.875	3.700	-	4.000	.450	6P + 24S + 5P	6450120-4
	2.900	.250	.250	1.800	1.125	2.950	-	3.250	.450	3P + 24S + 5P	6450120-3
	1.900	.250	.250	1.550	0.875	1.950	-	2.250	.450	2P + 24S + 2P	6450120-2
	5.100	.250	.250	3.250	2.375	5.150	-	5.450	.450	8P + 32S + 8P	6450120-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN R.GRZYBOWSKI 02FEB05
CHK M.PERCHERKE 02FEB05
APVD M.PERCHERKE 02FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
-

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-6450120 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 4:1 | SHEET 2 OF 24 | REV M2

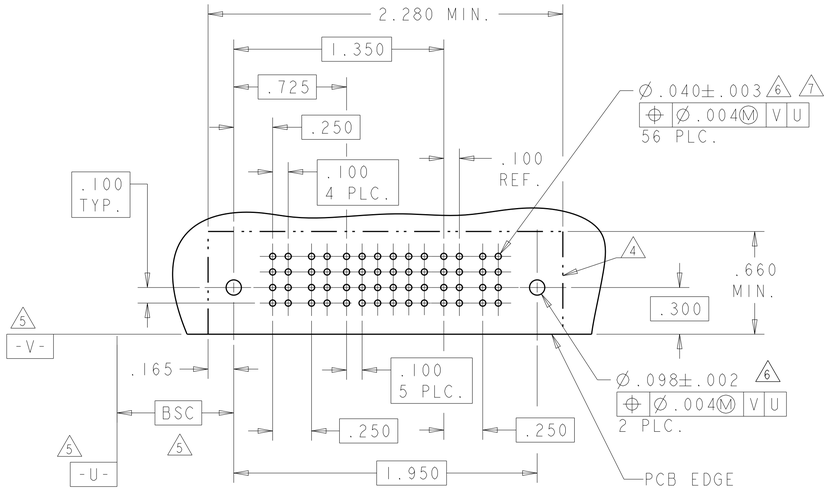
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

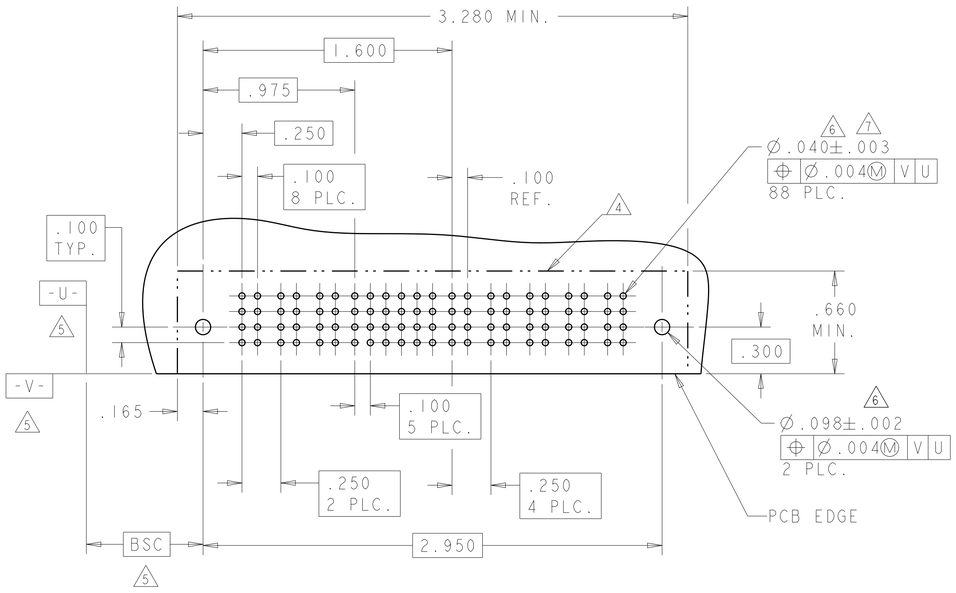
REVISIONS

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

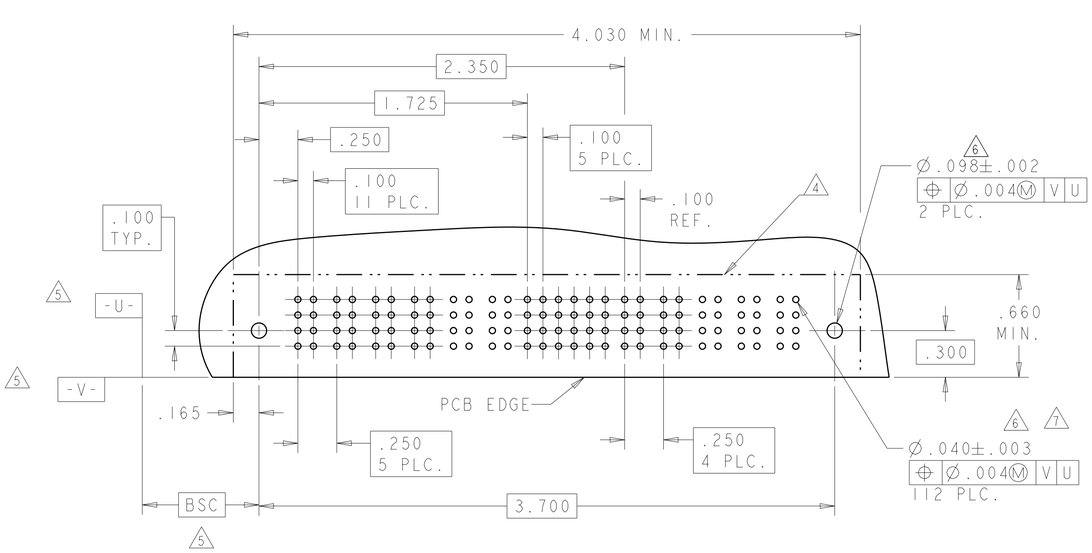
PART NUMBER	ROWS	POWER P1	POWER P2	SIGNAL 1	SIGNAL 2	SIGNAL 3	SIGNAL 4	SIGNAL 5	SIGNAL 6	POWER P3	POWER P4
6450120-2	D	PM	PM	J	J	J	J	J	J	PM	PM
	C			K	K	K	K	K	K		
	B			N	N	N	N	N	N		
	A			S	S	S	S	S	S		
2P + 24S + 2P		HD									HD



PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	SIGNAL 1	SIGNAL 2	SIGNAL 3	SIGNAL 4	SIGNAL 5	SIGNAL 6	POWER P4	POWER P5	POWER P6	POWER P7	POWER P8
6450120-3	D	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM
	C				K	K	K	K	K	K					
	B				N	N	N	N	N	N					
	A				S	S	S	S	S	S					
3P + 24S + 5P		HD													HD



PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	POWER P4	POWER P5	POWER P6	SIGNAL 1	SIGNAL 2	SIGNAL 3	SIGNAL 4	SIGNAL 5	SIGNAL 6	POWER P7	POWER P8	POWER P9	POWER P10	POWER P11
6450120-4	D	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM
	C							K	K	K	K	K	K					
	B							N	N	N	N	N	N					
	A							S	S	S	S	S	S					
6P + 24S + 5P		HD																HD



H	MLBF	.135	A
G	MLBF	.135	B
F	MLBF	.135	C
E	MLBF	.135	D
L4	STD	.165	D
L3	STD	.165	B
L2	STD	.165	C
L1	STD	.165	A
Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
F	MLBF	.135	C
G	MLBF	.135	B
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW

SIGNAL CONTACT

PD	.165
PA	.090
PM	.135
CODE	TAIL LENGTH

POWER CONTACT

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN R.GRZYBOWSKI 02FEB05
CHK M.PERCHERKE 02FEB05
APVD M.PERCHERKE 02FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 3 OF 24 | REV M2

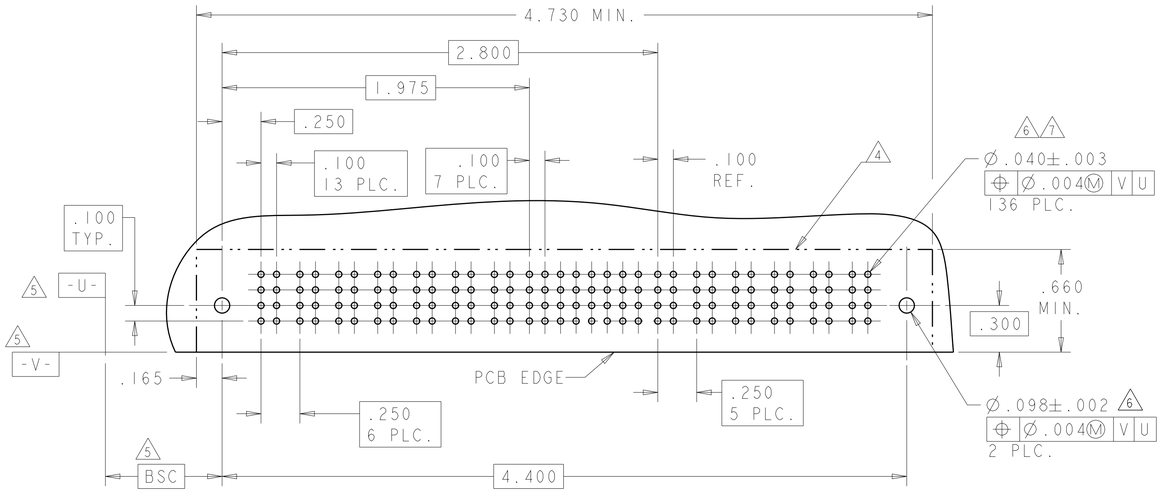
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

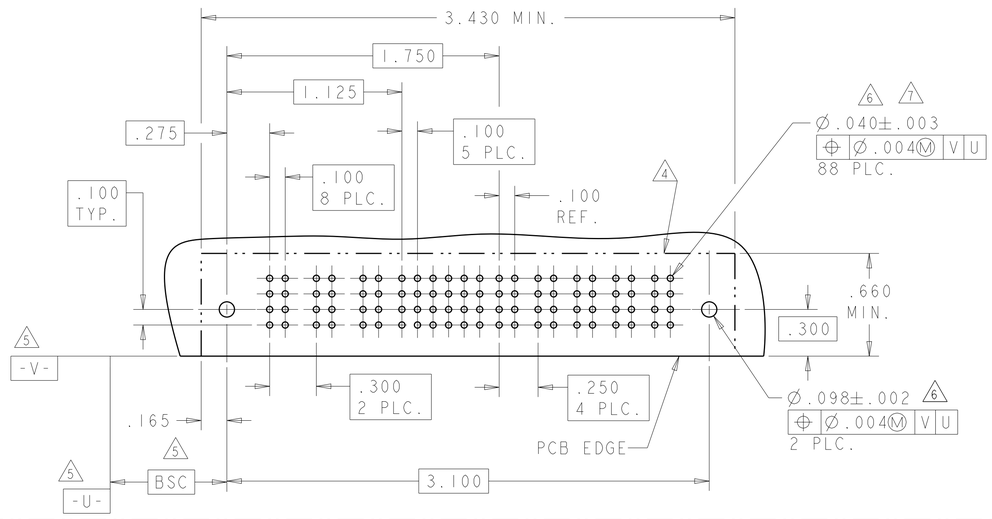
REVISIONS

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

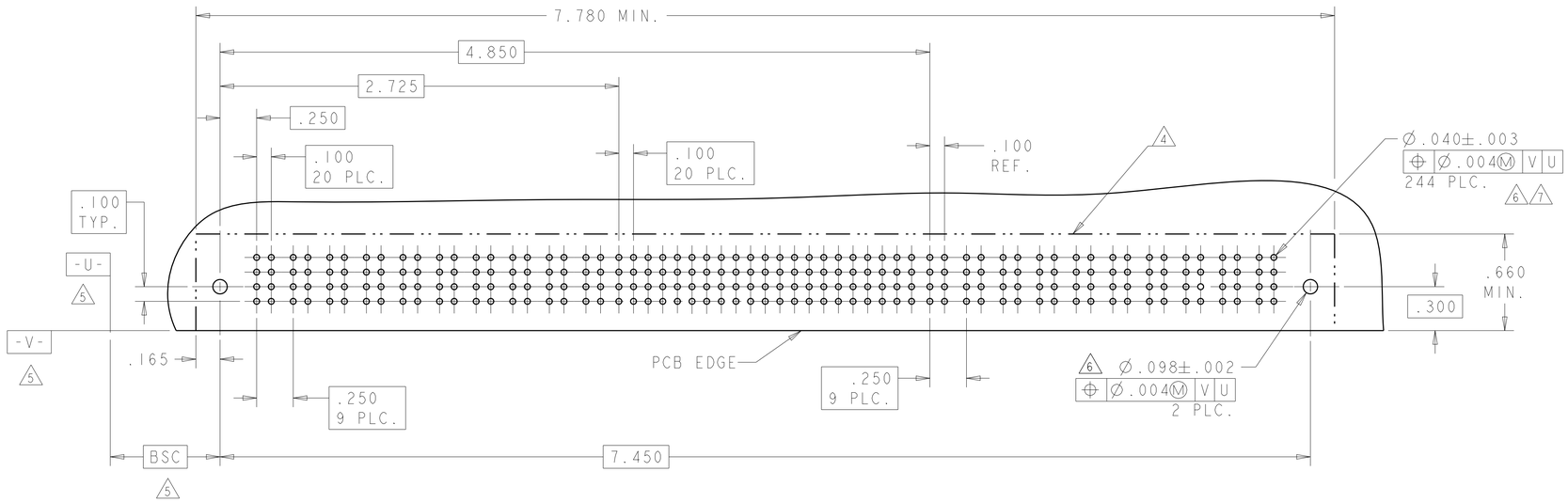
PART NUMBER	ROWS	POWER							SIGNAL								POWER						
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6	7	8	P8	P9	P10	P11	P12	P13	
6450120-5	D C B A	PM	PM	PM	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	PM	PM	HD
7P + 32S + 6P																							



PART NUMBER	ROWS	POWER			SIGNAL						SIGNAL						POWER					
		P1	P2	P3	1	2	3	4	5	6	7	8	9	10	11	12	P4	P5	P6	P7	P8	
6450120-7	D C B A	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S							PM	PM	PM	PM	PM	HD
3ACP + 24S + 5P																						



PART NUMBER	ROWS	POWER										SIGNAL																							POWER										
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	
6450120-6	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	HD
10P + 84S + 10P																																												



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN 02FEB05 R.GRZYBOWSKI
CHK 02FEB05 M.PERCHERKE
APVD 02FEB05 M.PERCHERKE
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-6450120 | RESTRICTED TO -

CUSTOMER DRAWING | SCALE 4:1 | SHEET 4 OF 24 | REV M2

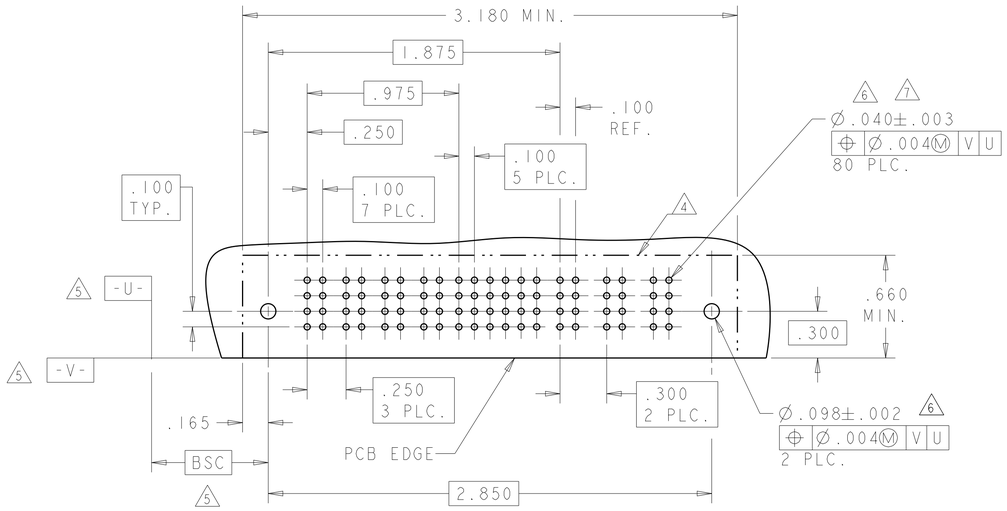
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

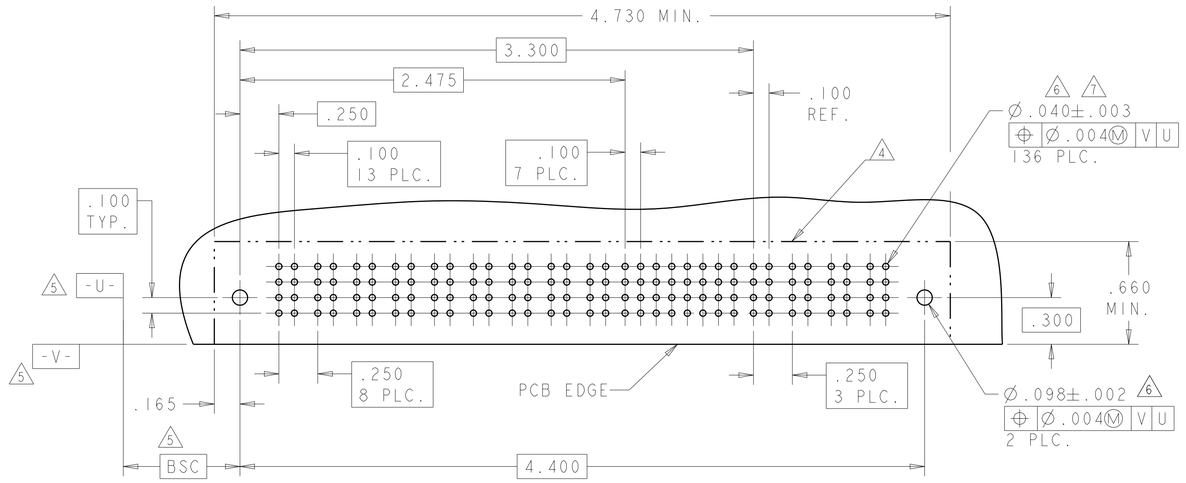
REVISIONS

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

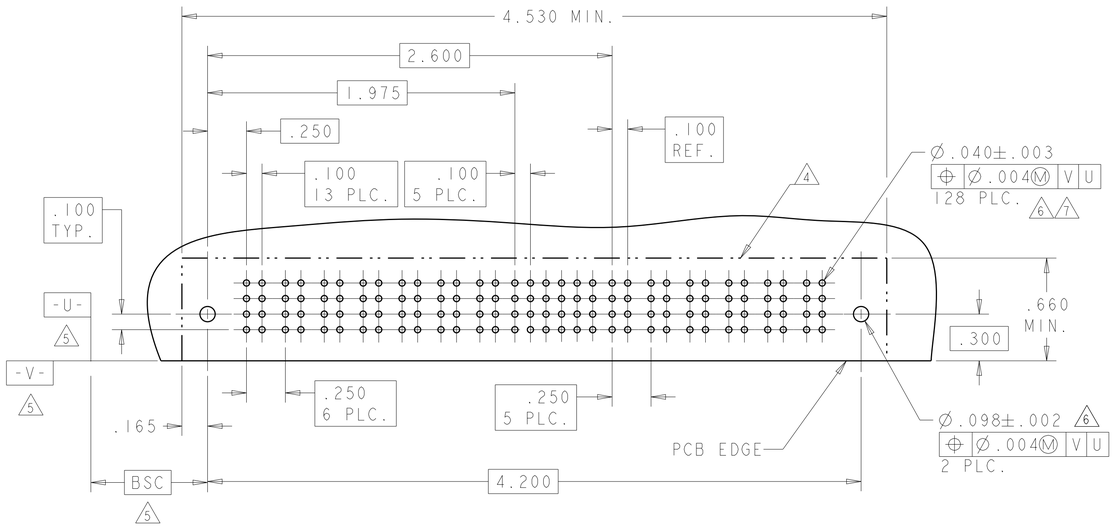
PART NUMBER	ROWS		POWER				SIGNAL						POWER		
			P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7
6450120-8	D C B A	HD	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM
															HD
4P + 24S + 3ACP															



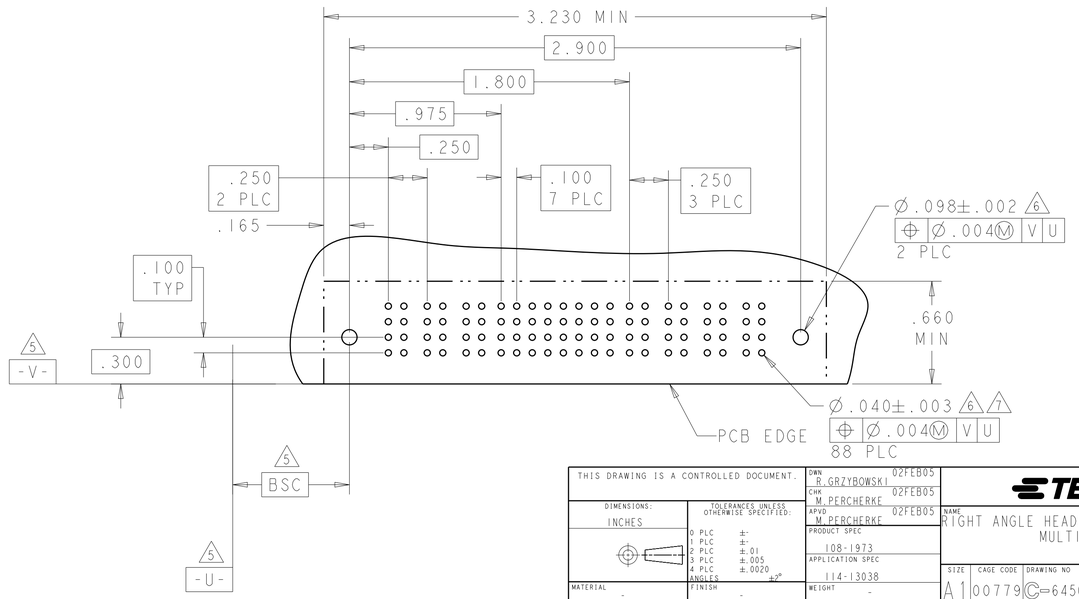
PART NUMBER	ROWS		POWER									SIGNAL								POWER				
			P1	P2	P3	P4	P5	P6	P7	P8	P9	1	2	3	4	5	6	7	8	P10	P11	P12	P13	
1-6450120-0	D C B A	HD	PM	PM		PM	PM	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	HD
9P + 32S + 4P																								



PART NUMBER	ROWS		POWER							SIGNAL						POWER						
			P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6	P8	P9	P10	P11	P12	P13	
6450120-9	D C B A	HD	PM	PM	PM	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	PM	PM	HD
7P + 24S + 6P																						



PART NUMBER	ROWS		POWER			SIGNAL								POWER				
			P1	P2	P3	1	2	3	4	5	6	7	8	P4	P5	P6	P7	
2-1450120-1	4 3 2 1	HD	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	HD
3P + 32S + 4P																		



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 02FEB05	TE Connectivity
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	CHK M.PERCHERKE 02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -
		APVD M.PERCHERKE 02FEB05	
		PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-6450120 / RESTRICTED TO -
MATERIAL - -	FINISH - -	WEIGHT -	
CUSTOMER DRAWING		SCALE 4:1	SHEET 5 OF 24 / REV M2

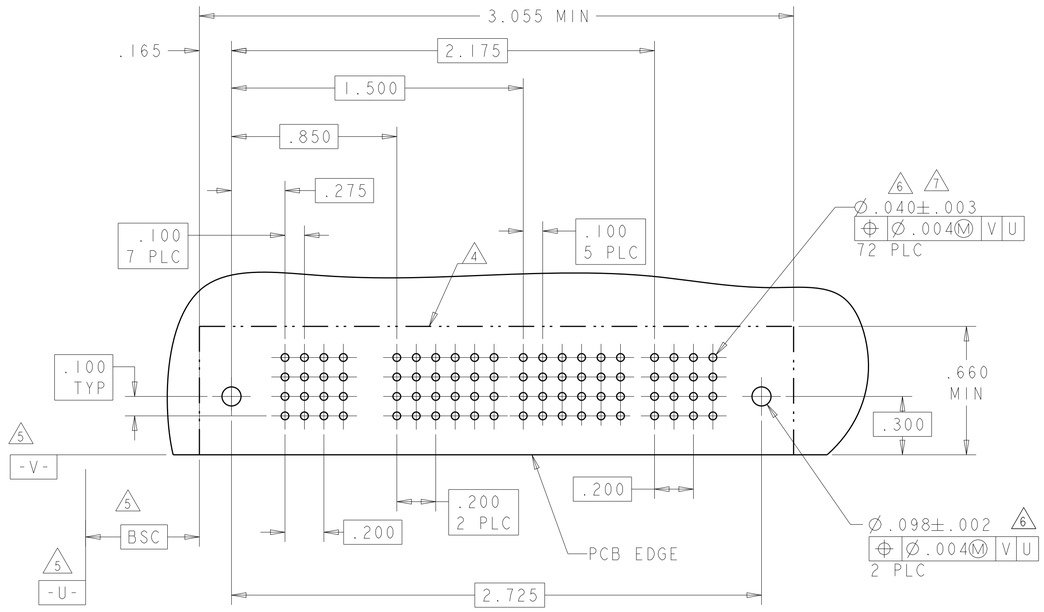
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

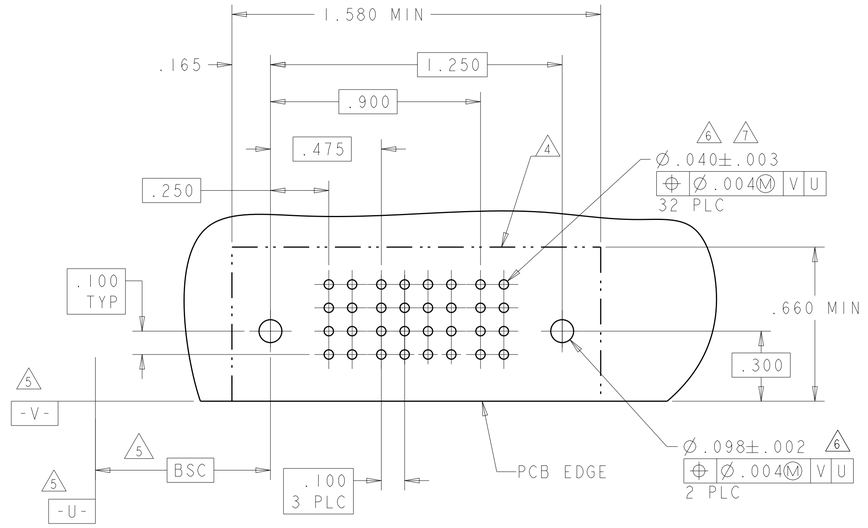
REVISIONS

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

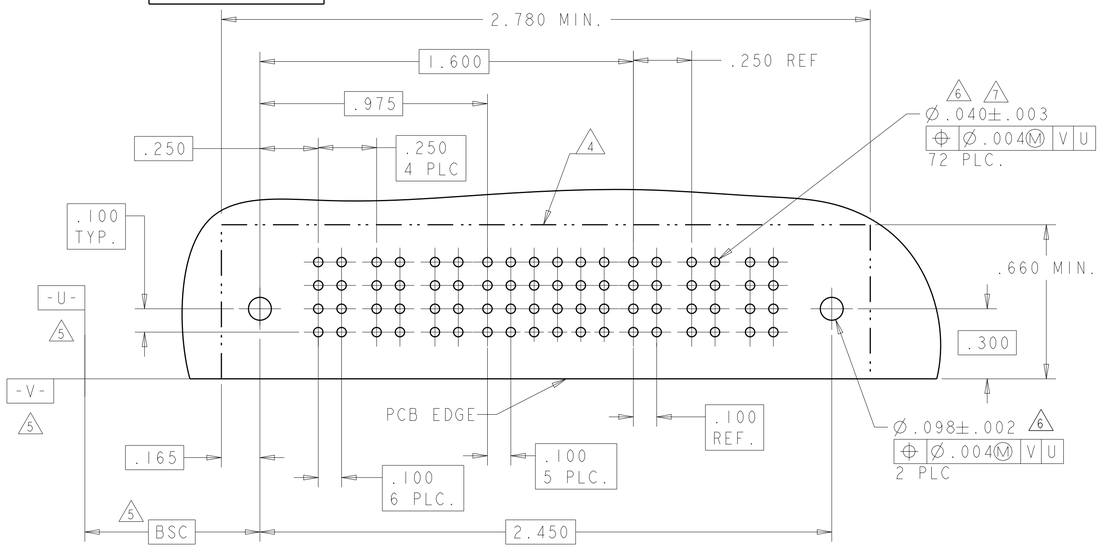
PART NUMBER	ROWS	POWER					SIGNAL						POWER	
		P1	P2	P3	P4	P5	1	2	3	4	5	6	P6	P7
1-6450120-1	D C B A	PM	PM	PM	PM		J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM
5P + 24S + 2P		HD												HD



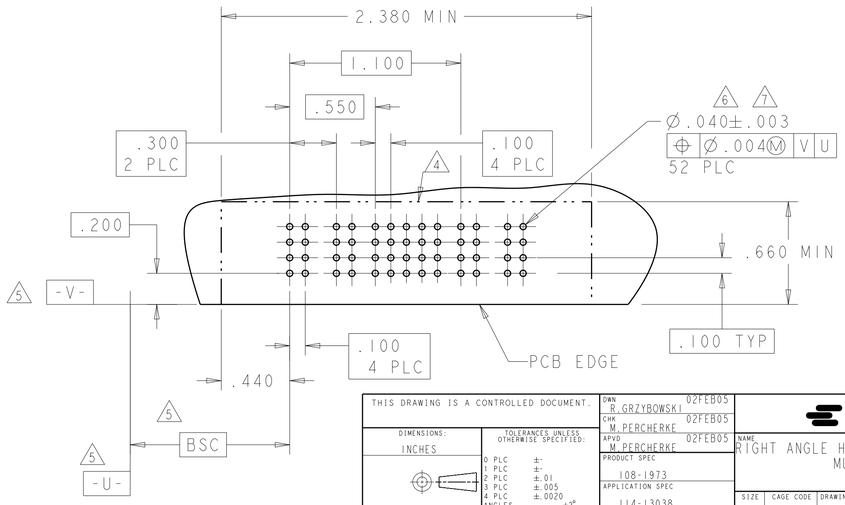
PART NUMBER	ROWS	POWER	SIGNAL				POWER
		P1	1	2	3	4	P2
1-6450120-3	D C B A	PM	J K N S	J K N S	J K N S	J K N S	PM
1P + 16S + 1P		HD					HD



PART NUMBER	ROWS	POWER			SIGNAL					POWER		
		P1	P2	P3	1	2	3	4	5	6	P4	P5	P6
1-6450120-2	D C B A	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM
3P + 24S + 3P		HD											HD



PART NUMBER	ROWS	POWER		SIGNAL					POWER	
		P1	P2	1	2	3	4	5	P3	P4
1-6450120-4	D C B A	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM
2P + 20S + 2P										



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN	R GRZYBOWSKI	02FEB05
CHK	M PERCHERKE	02FEB05
APVD	M PERCHERKE	02FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 6 OF 24 | REV M2

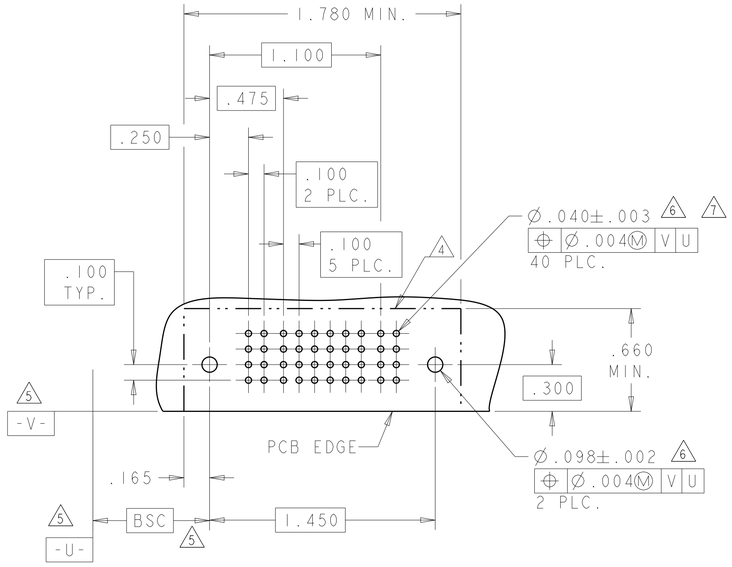
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

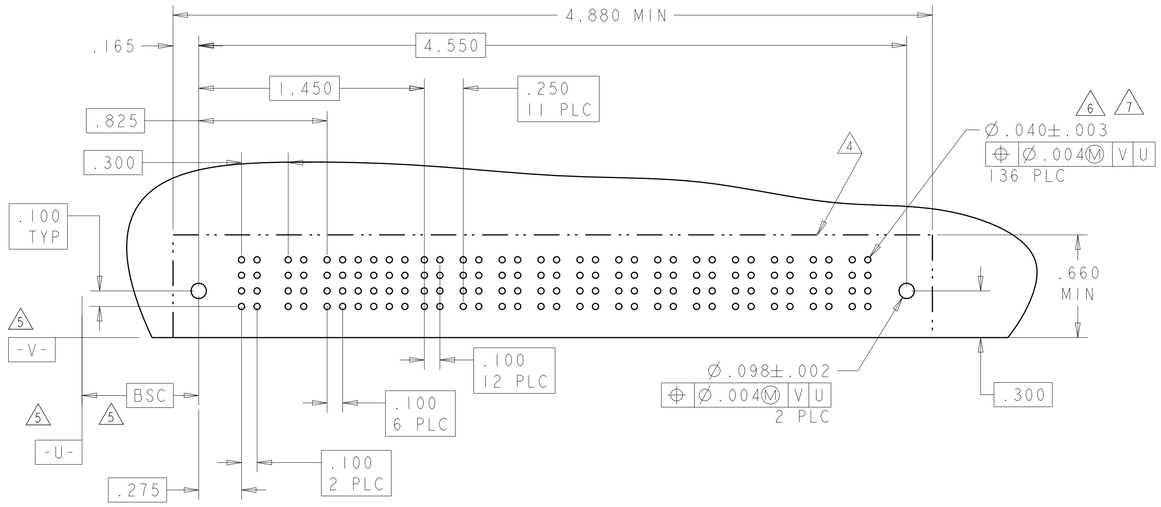
REVISIONS

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

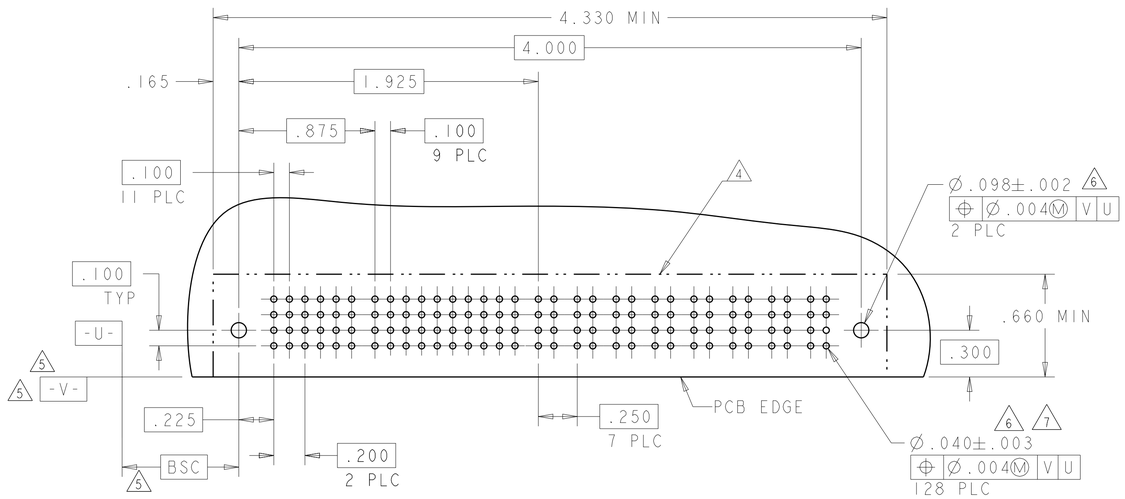
PART NUMBER	ROWS	POWER P1	SIGNAL 1	2	3	4	5	6	POWER P2
1-6450120-6	D	PA	Z	Z	Z	Z	Z	Z	PA
	C		Y	Y	Y	Y	Y	Y	
	B		R	R	R	R	R	R	
	A		O	O	O	O	O	O	
1P + 24S + 1P		HD							HD



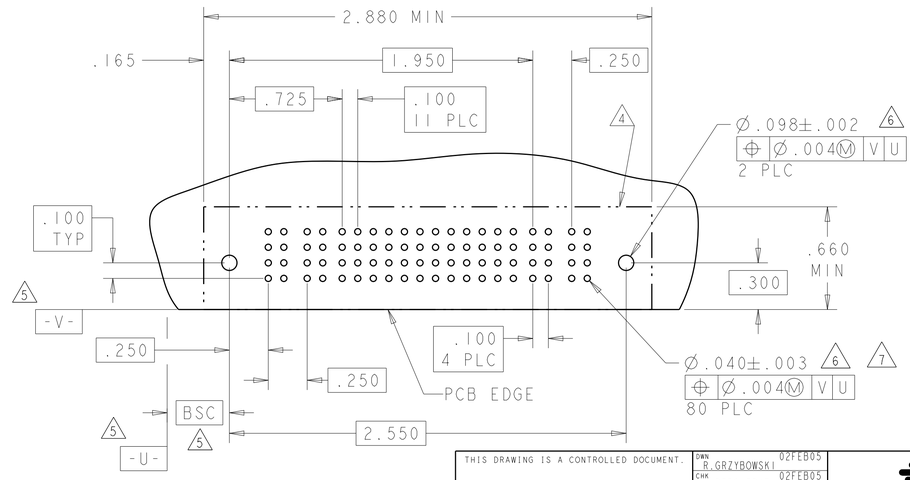
PART NUMBER	ROWS	POWER P1	POWER P2	SIGNAL 1	2	3	4	5	6	POWER P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14
2-6450120-2	D	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
	C			K	K	K	K	K	K												
	B			N	N	N	N	N	N												
	A			S	S	S	S	S	S												
2ACP + 24S + 12P		HD																			HD



PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	SIGNAL 1	2	3	4	5	6	7	8	9	10	POWER P4	P5	P6	P7	P8	P9	P10	P11
2-6450120-0	D	PM	PM	PM	J	J	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM
	C				K	K	K	K	K	K	K	K	K	K								
	B				N	N	N	N	N	N	N	N	N	N								
	A				S	S	S	S	S	S	S	S	S	S								
3P + 40S + 8P		HD																				HD



PART NUMBER	ROWS	POWER P1	POWER P2	SIGNAL 1	2	3	4	5	6	7	8	9	10	11	12	POWER P3	P4
2-6450120-3	D	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	PM	PM
	C			K	K	K	K	K	K	K	K	K	K	K	K		
	B			N	N	N	N	N	N	N	N	N	N	N	N		
	A			S	S	S	S	S	S	S	S	S	S	S	S		
2P + 48S + 2P		HD															HD



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

MATERIAL - -

FINISH - -

DWN	R.GRZYBOWSKI 02FEB05
CHK	M.PERCHERKE 02FEB05
APVD	M.PERCHERKE 02FEB05
PRODUCT SPEC	108-1973
APPLICATION SPEC	114-13038
WEIGHT	-

TE Connectivity

NAME: RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 7 OF 24 | REV M2

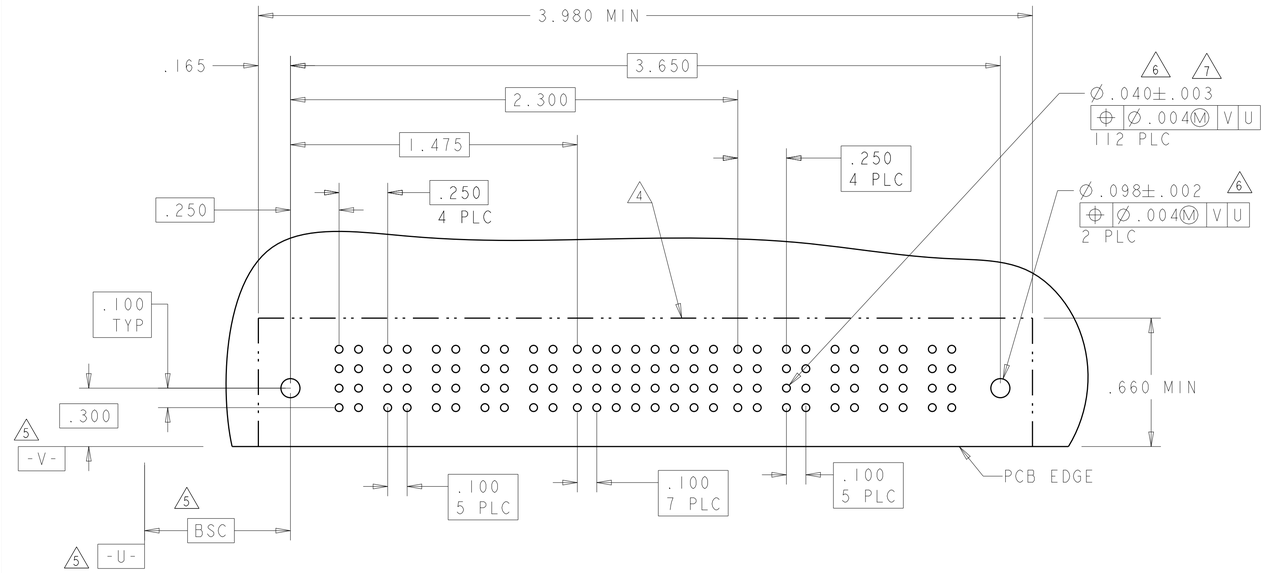
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

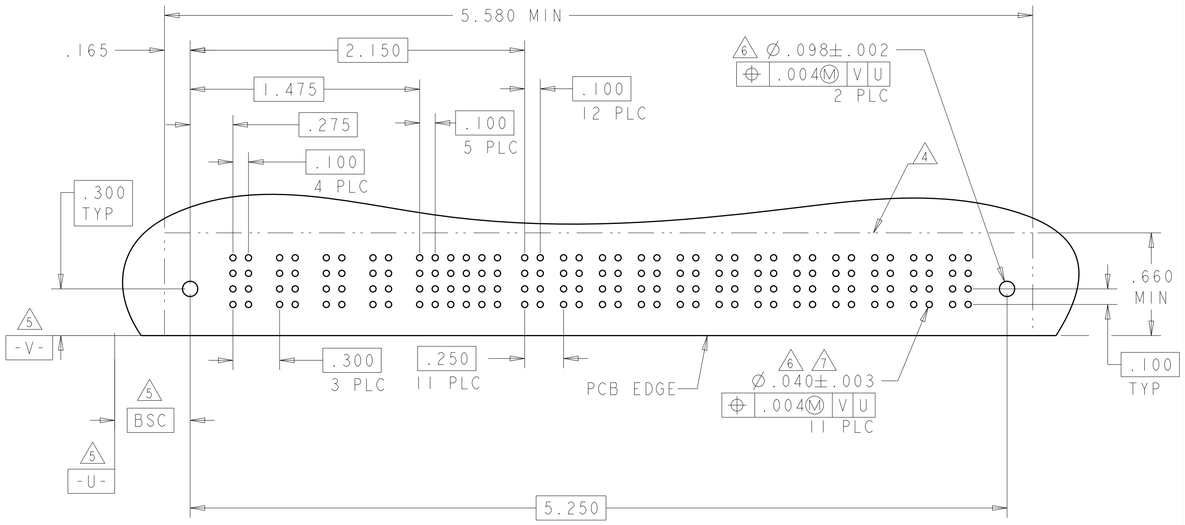
REVISIONS

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

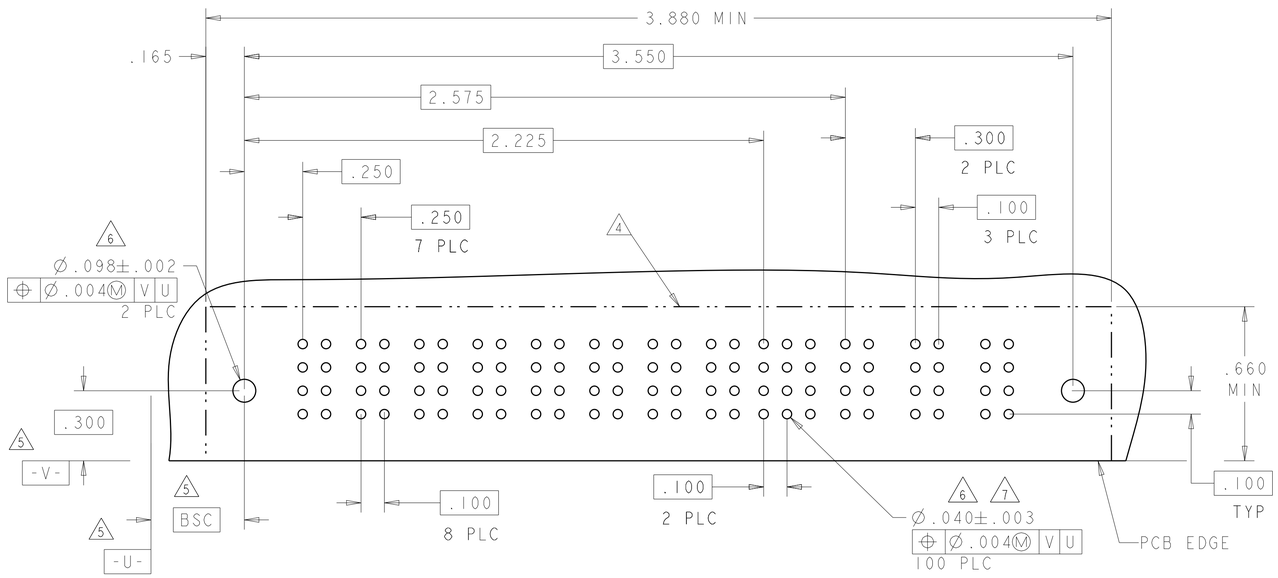
PART NUMBER	ROWS	POWER					SIGNAL								POWER				
		P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	P6	P7	P8	P9	P10
2-6450120-4	D	PM	PM	PM	PM	PM	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM
	C						K	K	K	K	K	K	K	K					
	B						N	N	N	N	N	N	N	N					
	A						S	S	S	S	S	S	S	S					
5P + 32S + 5P		HD																	HD



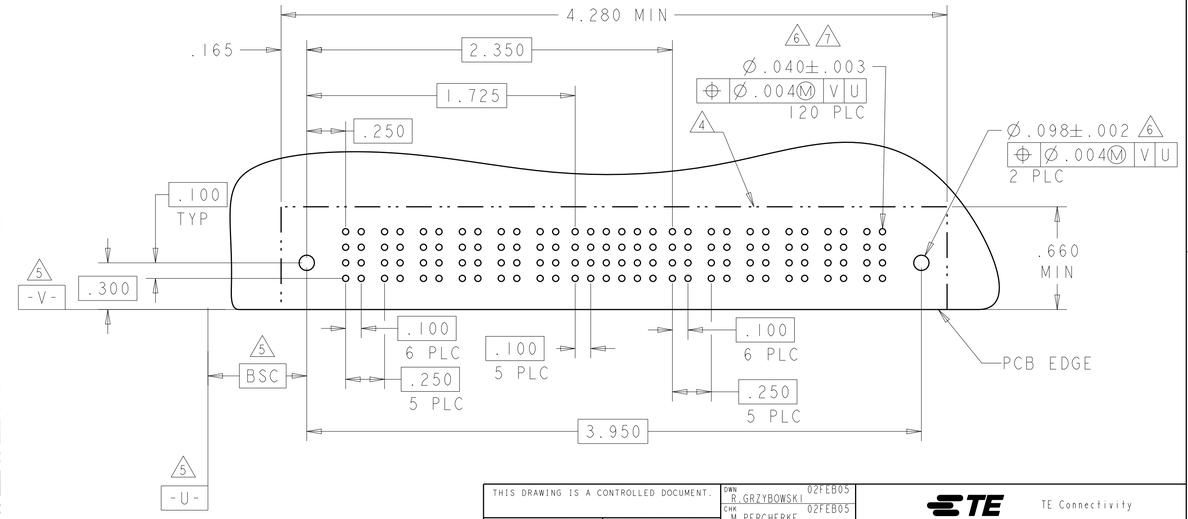
PART NUMBER	ROWS	AC POWER				SIGNAL						POWER												
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	
2-6450120-6	D	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	
	C					K	K	K	K	K	K													
	B					N	N	N	N	N	N													
	A					S	S	S	S	S	S													
4ACP + 24S + 12P		HD																						HD



PART NUMBER	ROWS	POWER								SIGNAL			POWER								
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	P9	P10	P11						
3-6450120-3	D	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	PM	PM	PM						
	C									K	K	K									
	B									N	N	N									
	A									S	S	S									
8P + 12S + 3ACP		HD																			HD



PART NUMBER	ROWS	POWER						SIGNAL						POWER					
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	P7	P8	P9	P10	P11	P12
2-6450120-7	D	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM
	C							K	K	K	K	K	K						
	B							N	N	N	N	N	N						
	A							S	S	S	S	S	S						
6P + 24S + 6P		HD																	HD



THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 02FEB05	TE Connectivity	
DIMENSIONS: INCHES	CHK M.PERCHERKE 02FEB05	NAME	RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	APVD M.PERCHERKE 02FEB05	PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	
MATERIAL - -	FINISH - -	WEIGHT -	SIZE A1 CAGE CODE 00779 DRAWING NO C-6450120 RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 4:1 SHEET 8 OF 24 REV M2

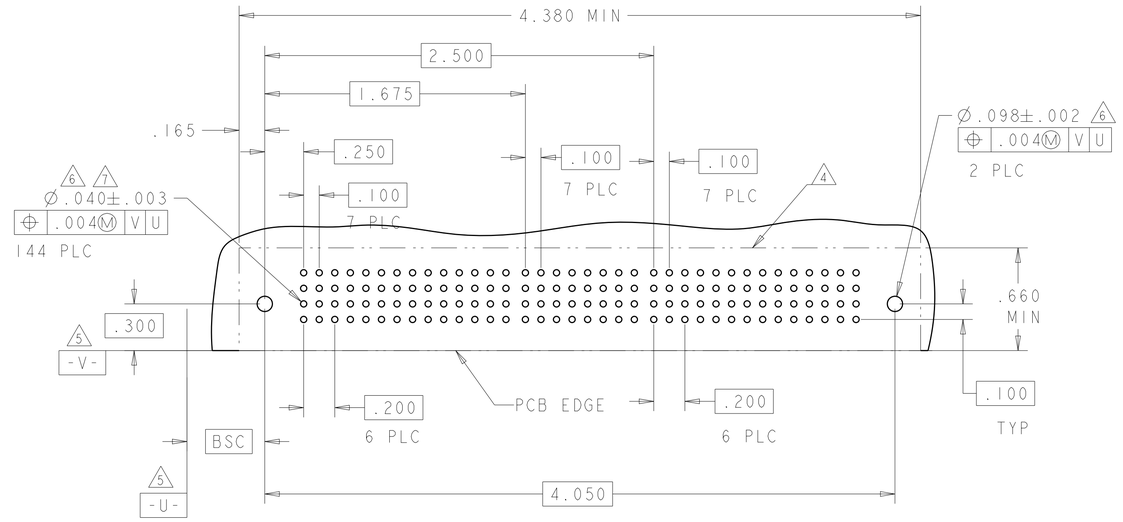
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

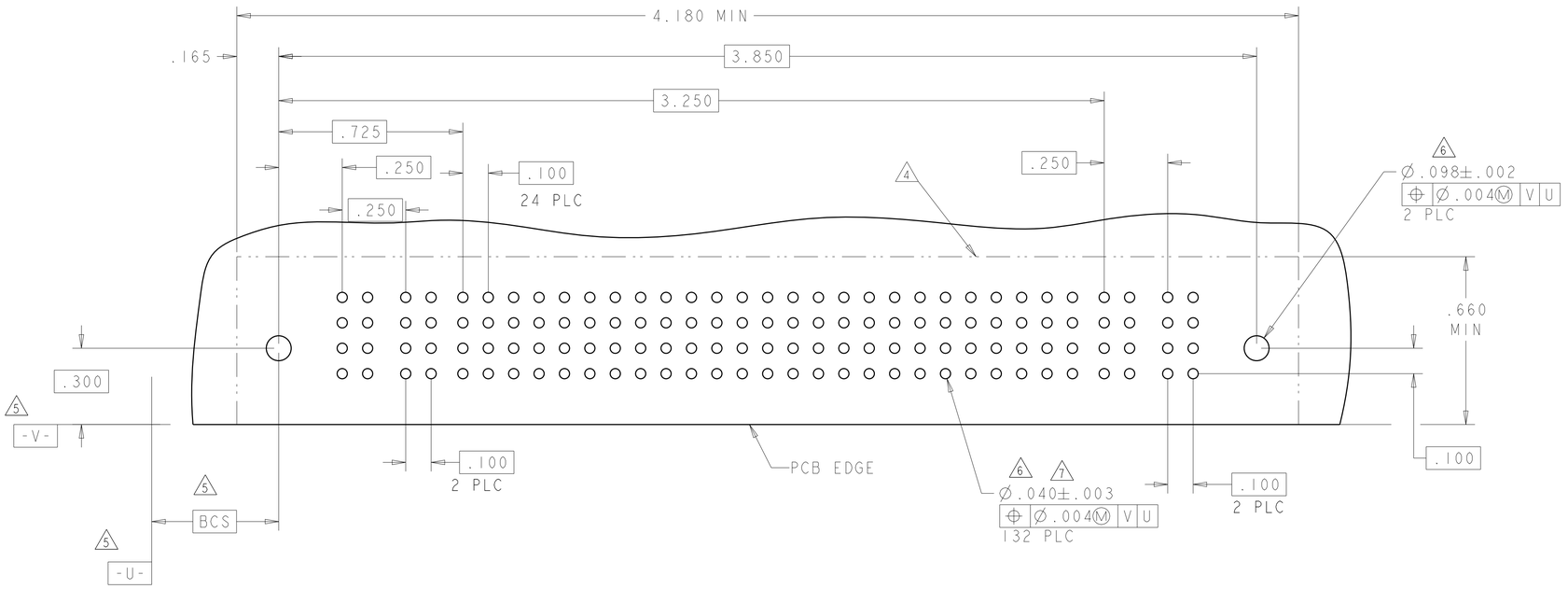
REVISIONS

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

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	P6	P7	SIGNAL 1	2	3	4	5	6	7	8	POWER P8	P9	P10	P11	P12	P13	P14
3-6450120-0	D	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM
	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							
	HD																						HD
7HDP + 32S + 7HDP																							



PART NUMBER	ROWS	POWER P1	P2	SIGNAL 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	POWER P3	P4
3-6450120-6	D	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	PM	PM
	C			K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K		
	B			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
	A			S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
	HD																													HD
2P + 100S + 2P																														



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN	R.GRZYBOWSKI	02FEB05
CHK	M.PERCHERKE	02FEB05
APVD	M.PERCHERKE	02FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 9 OF 24 | REV M2

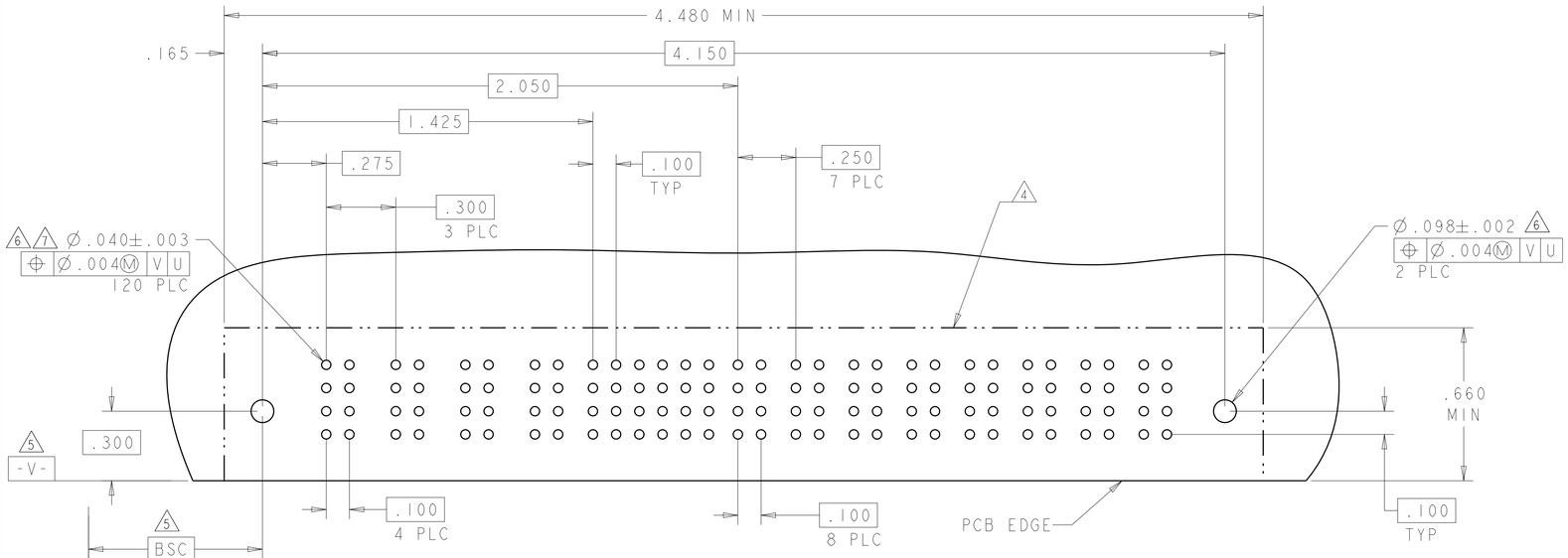
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

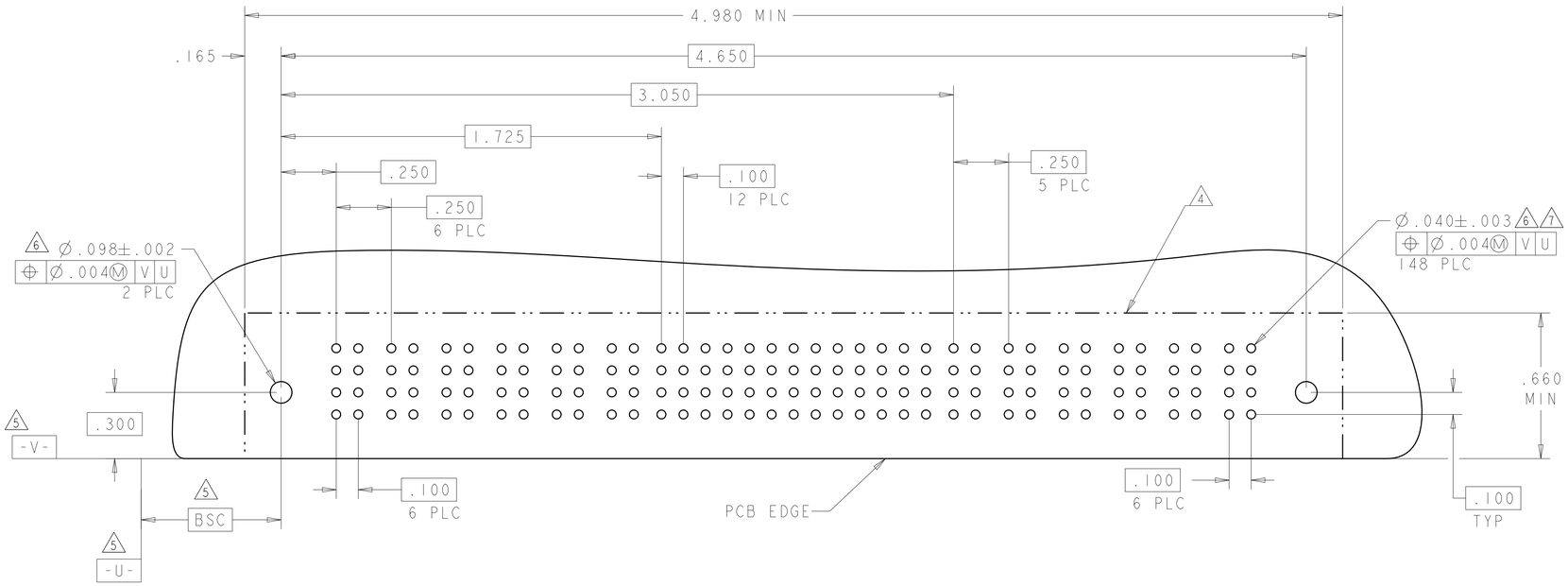
REVISIONS

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

PART NUMBER	ROWS	POWER				SIGNAL						POWER							
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7	P8	P9	P10	P11	P12
4-6450120-0	D C B A	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	PM	PM	PM	PM
4ACP + 24S + 8P		HD																	HD



PART NUMBER	ROWS	POWER						SIGNAL												POWER						
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	7	8	9	10	11	12	13	P7	P8	P9	P10	P11	P12
3-6450120-5	D C B A	PM	PM	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	PM	PM
6P + 52S + 6P		HD																								HD



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL - -
FINISH - -

DWN R GRZYBOWSKI 02FEB05
CHK M PERCHERKE 02FEB05
APVD M PERCHERKE 02FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 10 OF 24 | REV M2

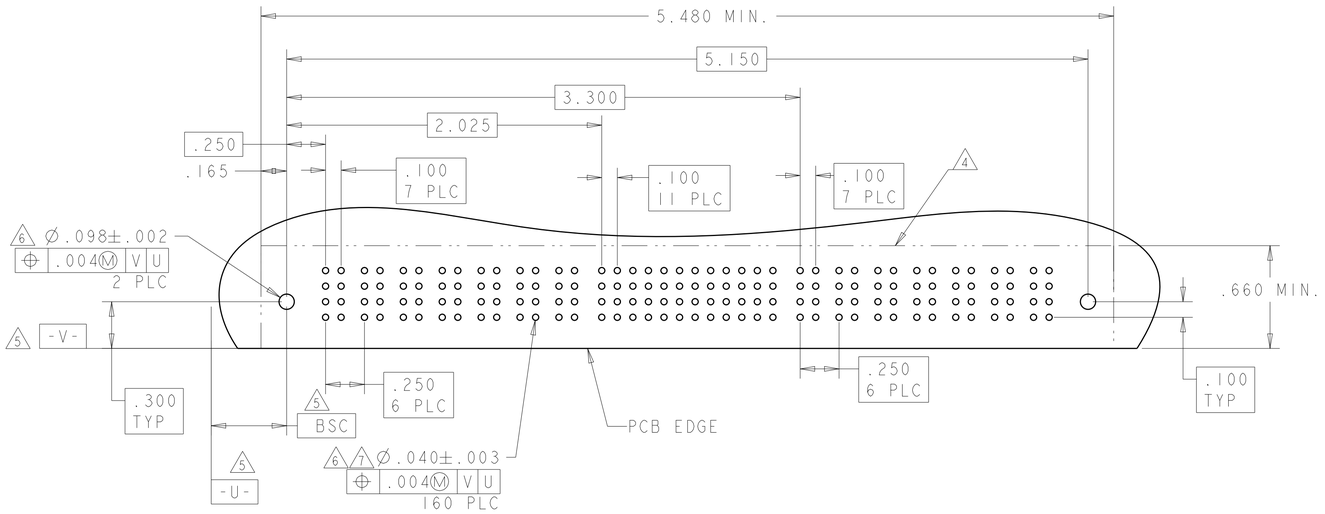
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

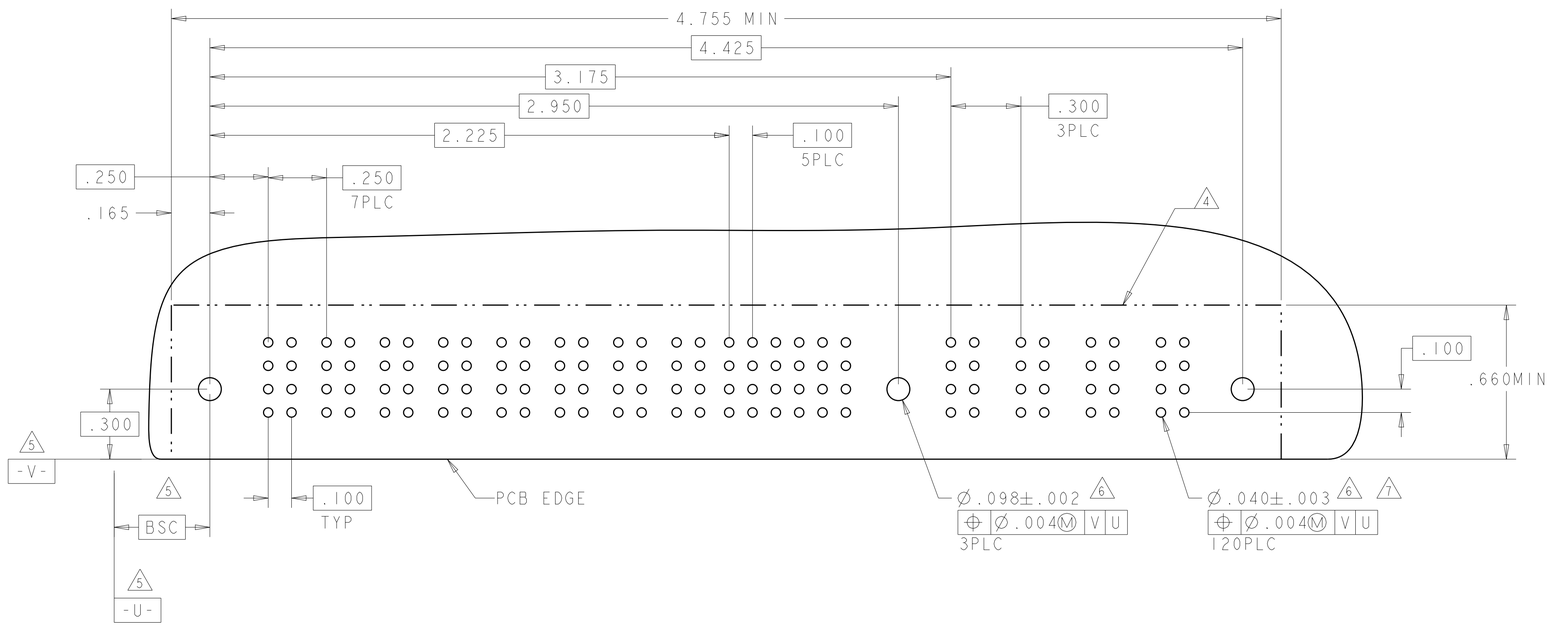
REVISIONS

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

PART NUMBER	ROWS	POWER							SIGNAL											POWER							
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	5	6	7	8	9	10	11	12	P8	P9	P10	P11	P12	P13	P14
3-6450120-4	D C B A	PM	PM	PM	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	PM	PM	PM
7P + 48S + 7P		HD																			HD						



PART NUMBER	ROWS	POWER								SIGNAL						POWER			
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	P9	P10	P11	P12
4-6450120-2	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM
8P + 24S + 1M + 4ACP										HD									



THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 02FEB05	TE Connectivity	
DIMENSIONS: INCHES	CHK M.PERCHERKE 02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	APVD M.PERCHERKE 02FEB05		
MATERIAL - -	PRODUCT SPEC 108-1973	SIZE A1	CAGE CODE 00779
FINISH - -	APPLICATION SPEC 114-13038	DRAWING NO C-6450120	RESTRICTED TO -
	WEIGHT -	CUSTOMER DRAWING	SCALE 4:1 SHEET 11 OF 24 REV M2

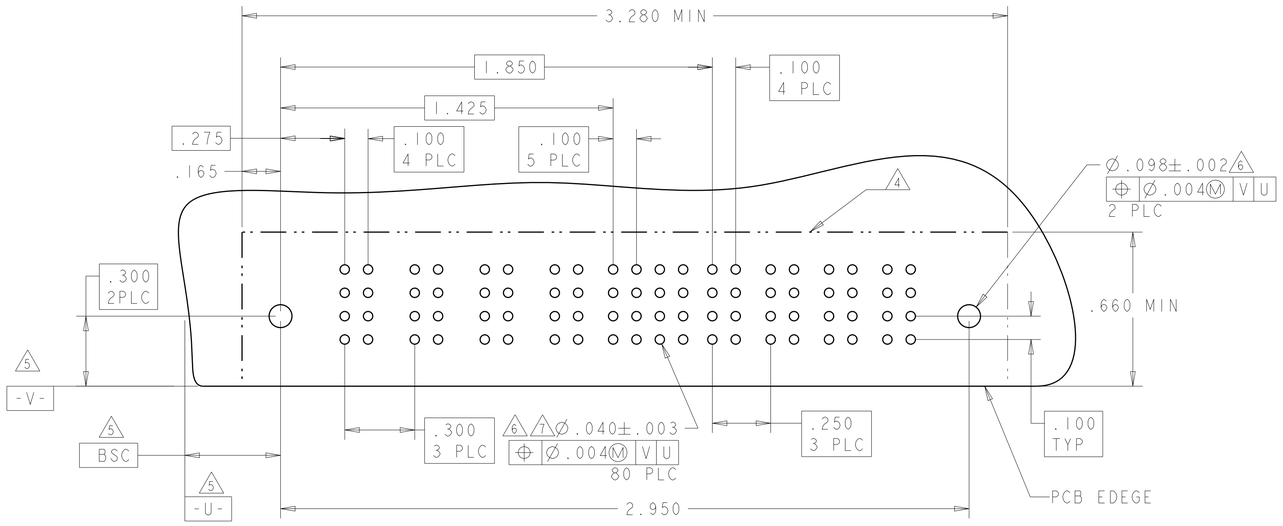
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

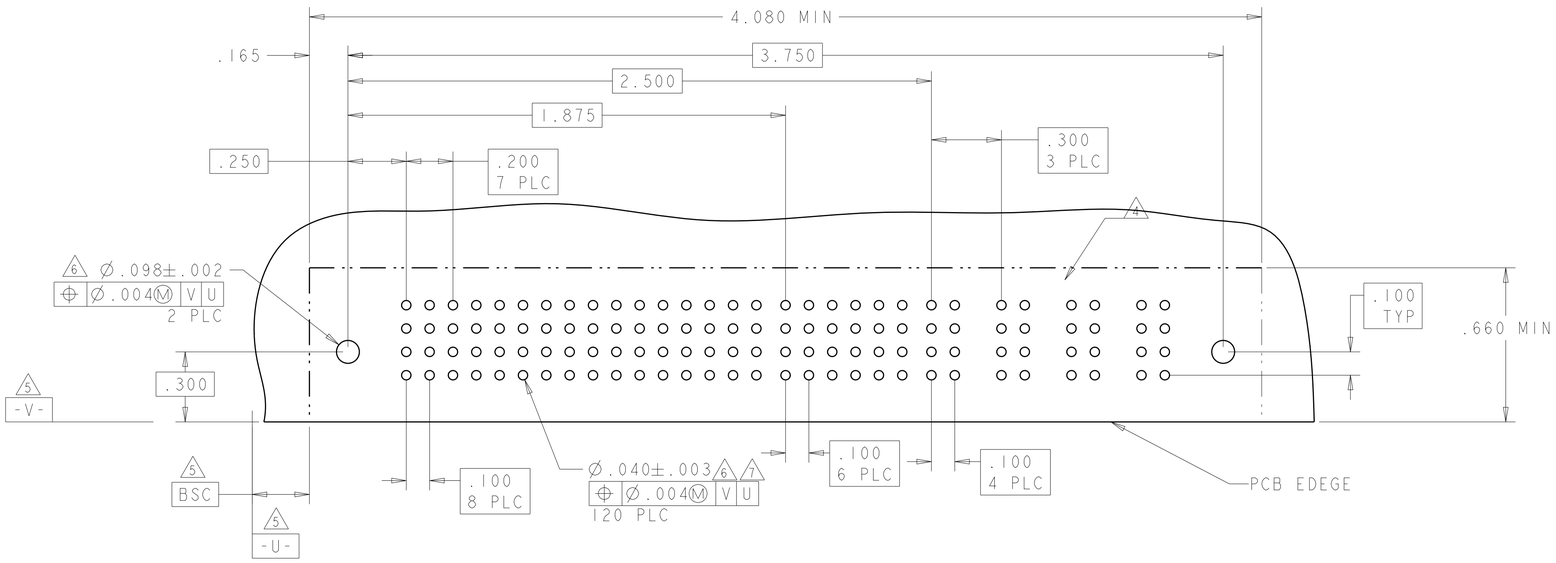
REVISIONS

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

PART NUMBER	ROWS	POWER				SIGNAL				POWER			
		P1	P2	P3	P4	1	2	3	4	P5	P6	P7	P8
4-6450120-3	D C B A	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM
4ACP + 16S + 4P		HD											HD



PART NUMBER	ROWS	POWER								SIGNAL						POWER			
		P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	P9	P10	P11	P12
4-6450120-4	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM
8P + 24S + 4ACP																			



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN	R GRZYBOWSKI	02FEB05
CHK	M PERCHERKE	02FEB05
APVD	M PERCHERKE	02FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 12 OF 24 | REV M2

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

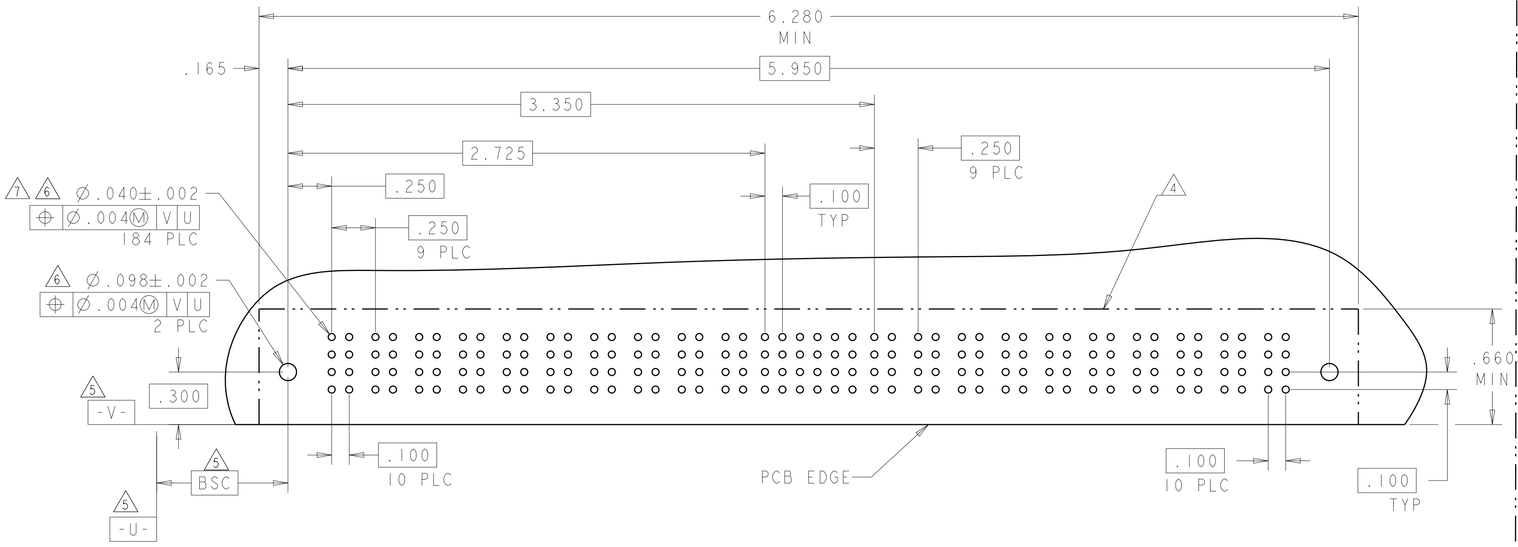
LOC	DIST
ES	00

REVISIONS

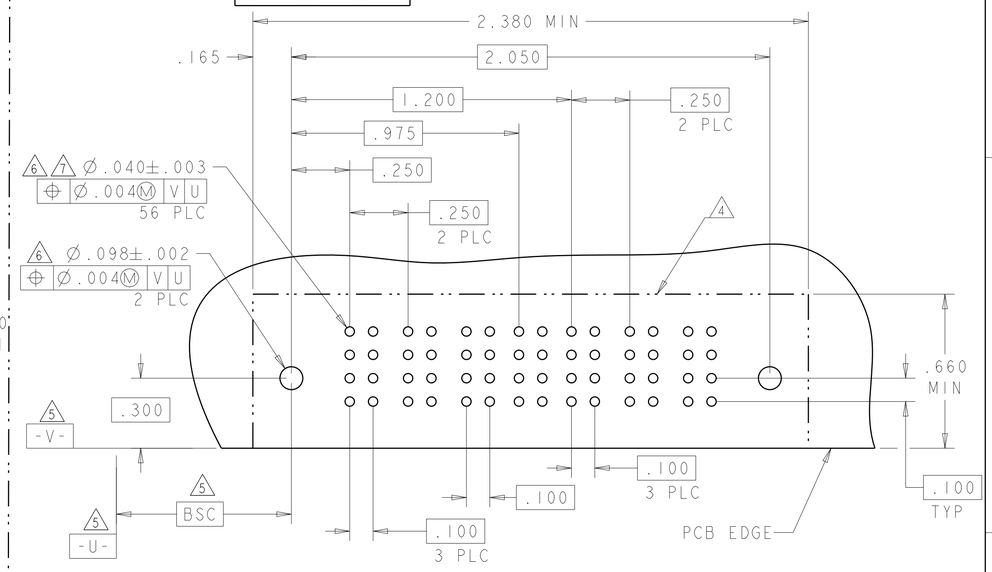
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	SIGNAL 1	2	3	4	5	6	POWER P11	P12	P13	P14	P15	P16	P17	P18	P19	P20
4-6450120-5	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
												K	K	K	K	K	K										
												N	N	N	N	N	N										
												S	S	S	S	S	S										
10P + 24S + 10P		HD																									HD

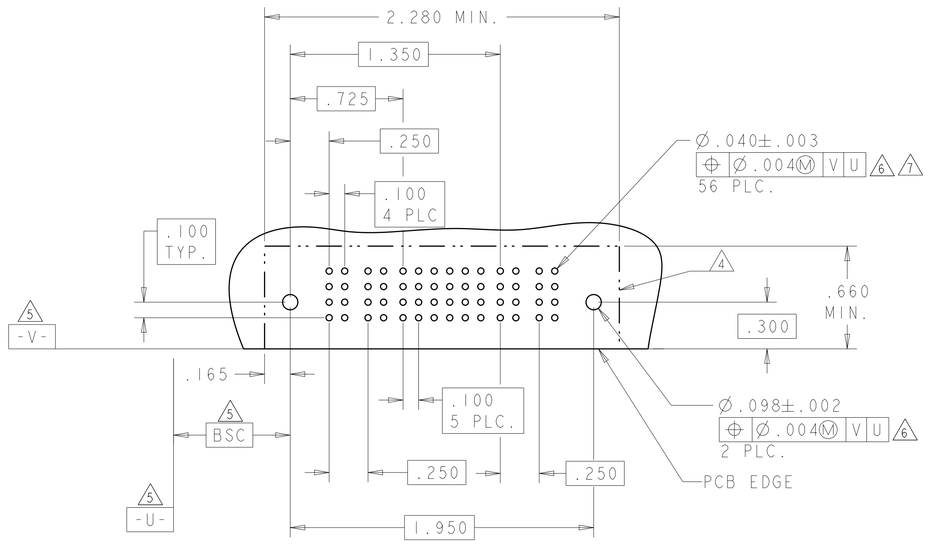
H2



PART NUMBER	ROWS	POWER P1	P2	P3	SIGNAL 1	2	POWER P4	P5	P6
4-6450120-6	D C B A	PM	PM	PM	J	J	PM	PM	PM
					K	K			
					N	N			
					S	S			
3P + 8S + 3P		HD							HD



PART NUMBER	ROWS	POWER P1	P2	SIGNAL 1	2	3	4	5	6	POWER P3	P4
4-6450120-7	D C B A	PM	PM	J	J	J	J	J	J	PM	PM
				K	K	F	K	K	K		
				N	N	G	N	N	N		
				S	S	S	S	S	S		
2P + 24S + 2P		HD									HD



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. GRZYBOWSKI 02FEB05	TE Connectivity
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	CHK M. PERCHERKE 02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -
		APVD M. PERCHERKE 02FEB05	
		PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-6450120 · RESTRICTED TO -
MATERIAL - -	FINISH - -	WEIGHT -	CUSTOMER DRAWING · SCALE 4:1 · SHEET 13 OF 24 · REV M2

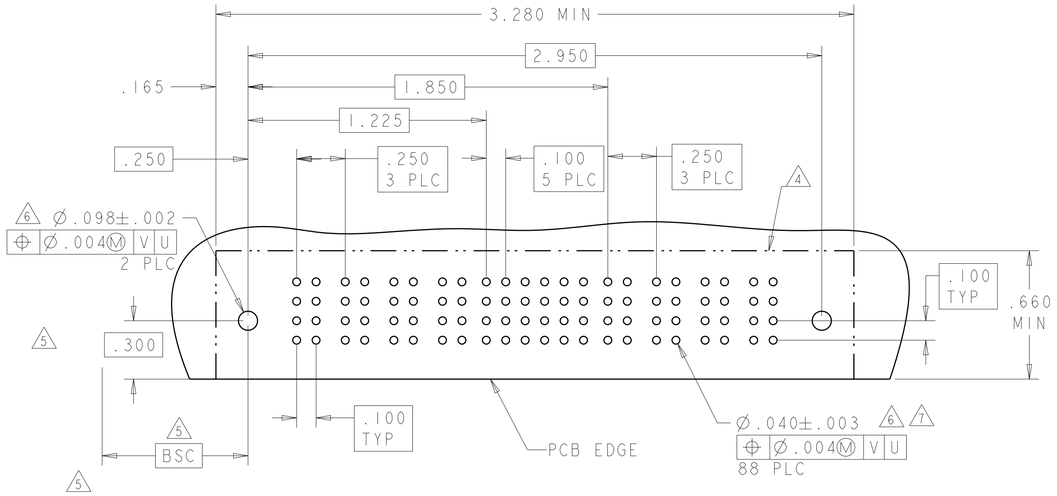
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

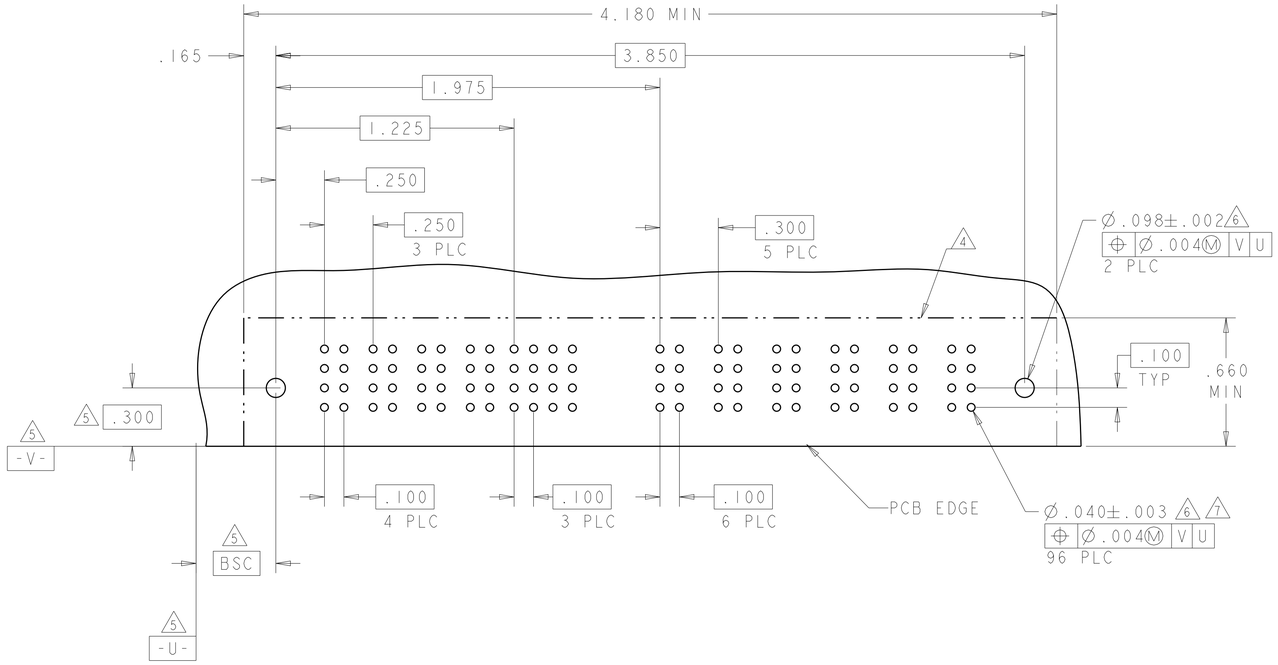
REVISIONS

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

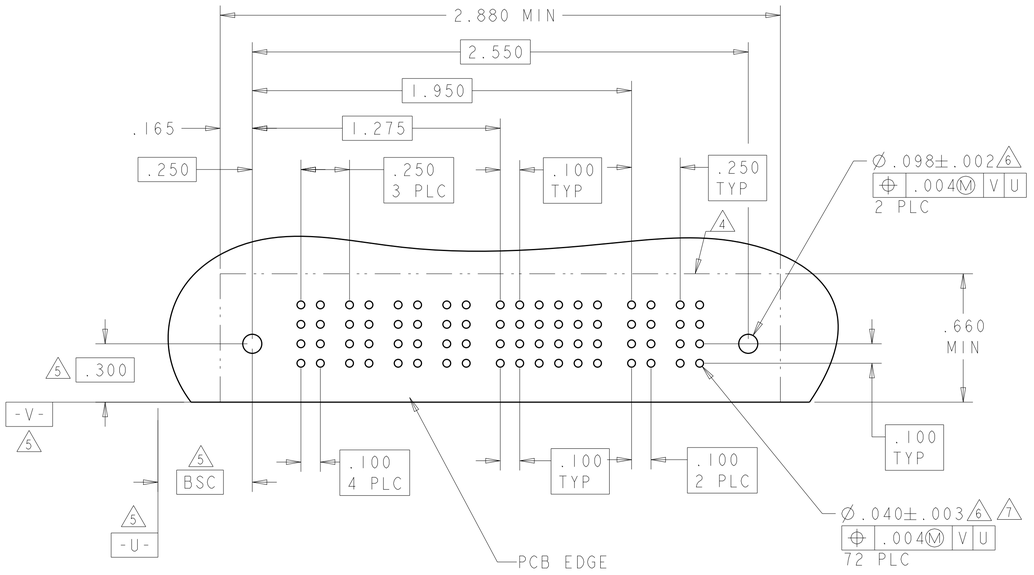
PART NUMBER	ROWS	POWER				SIGNAL						POWER			
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7	P8
4-6450120-8	D	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM
	C					K	K	K	K	K	K				
	B					N	N	N	N	N	N				
	A	HD				S	S	S	S	S	S				HD
4P + 24S + 4P															



PART NUMBER	ROWS	POWER				SIGNAL				POWER							
		P1	P2	P3	P4	1	2	3	4	P5	P6	P7	P8	P9	P10	P11	
5-6450120-0	D	PM	PM	PM	PM	J	J	J	J	PM	PM	PM	PM	PM	PM	PM	HD
	C					K	K	K	K								
	B					N	N	N	N								
	A	HD				S	S	S	S								
4P + 16S + 7ACP																	



PART NUMBER	ROWS	POWER				SIGNAL						POWER	
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6
2-6450120-5	D	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM
	C					K	K	K	K	K	K		
	B					N	N	N	N	N	N		
	A	HD				S	S	S	S	S	S		HD
4P + 24S + 2P													



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL - -

FINISH - -

DWN R.GRZYBOWSKI 02FEB05
CHK M.PERCHERKE 02FEB05
APVD M.PERCHERKE 02FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 14 OF 24 | REV M2

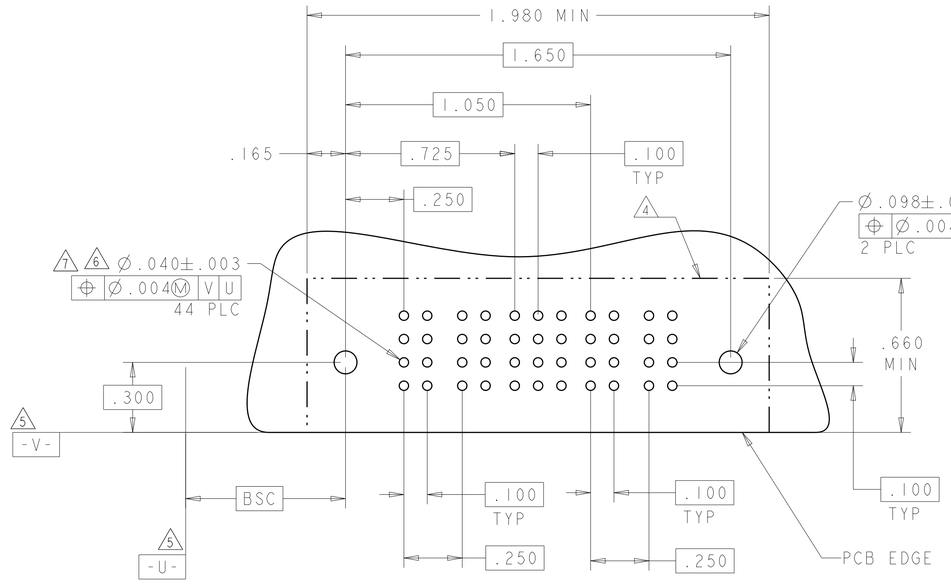
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

REVISIONS

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

PART NUMBER	ROWS		POWER		SIGNAL			POWER		
			P1	P2	1	2	3	P3	P4	
4-6450120-9	D C B A	HD	PM	PM	J K N S	J K N S	J K N S	PM	PM	HD
2P + 12S + 2P										



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL - -

FINISH - -

DWN	02FEB05 R GRZYBOWSKI
CHK	02FEB05 M PERCHERKE
APVD	02FEB05 M PERCHERKE
PRODUCT SPEC	108-1973
APPLICATION SPEC	114-13038
WEIGHT	-

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 15 OF 24 | REV M2

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

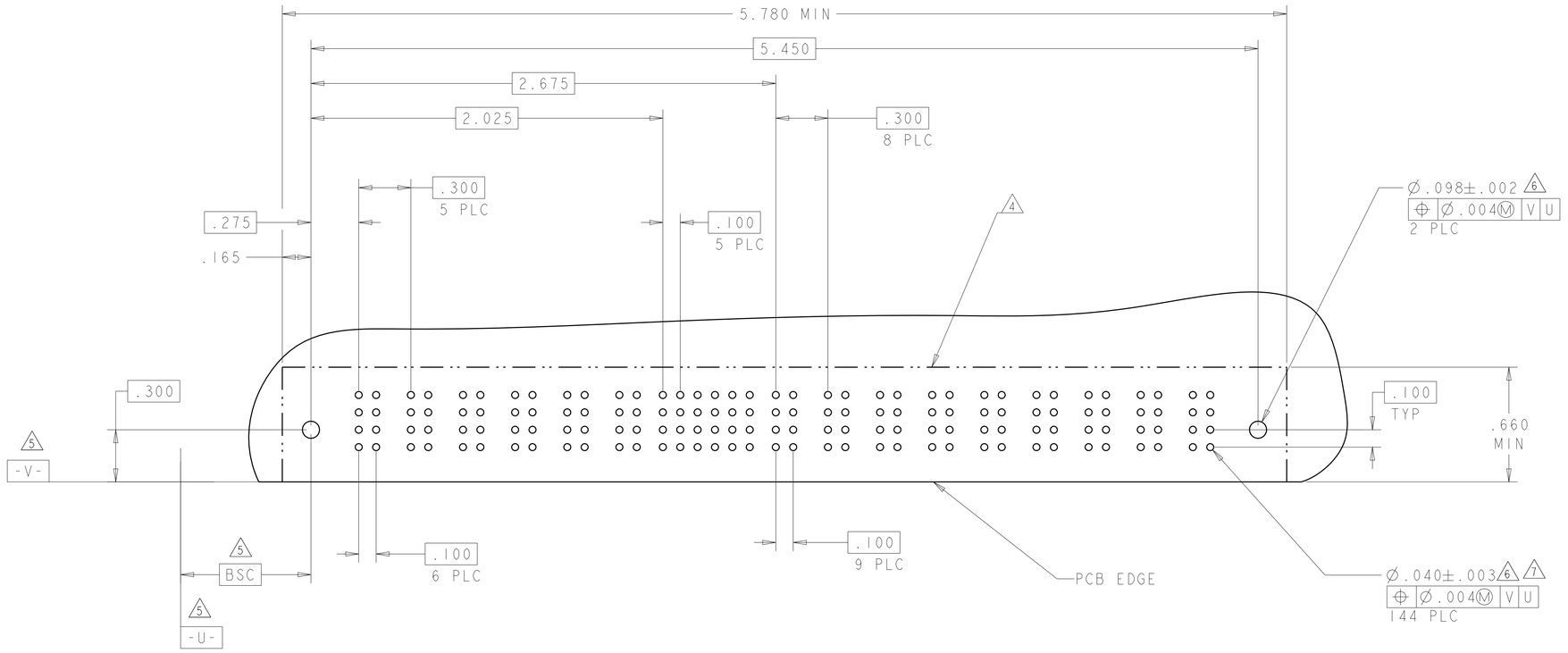
LOC	DIST
ES	00

REVISIONS

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	P13	P14	P15
5-6450120-2	D C B A	HD	PM	PM	PM		PM	J K N S	J K N S		J K N S	E K N H			PM	PM	PM		PM	PM	PM	HD
6P + 24S + 9P																						

JI



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL - -

FINISH - -

DWN R.GRZYBOWSKI 02FEB05
CHK M.PERCHERKE 02FEB05
APVD M.PERCHERKE 02FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 16 OF 24 | REV M2

4805 (3/11)

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

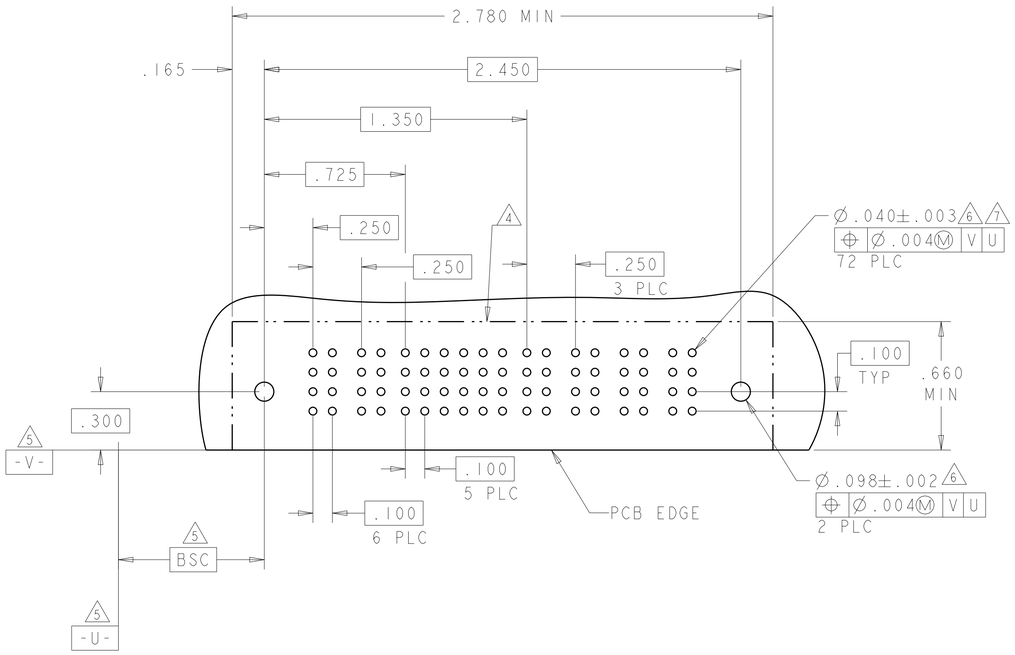
LOC	DIST
ES	00

REVISIONS

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

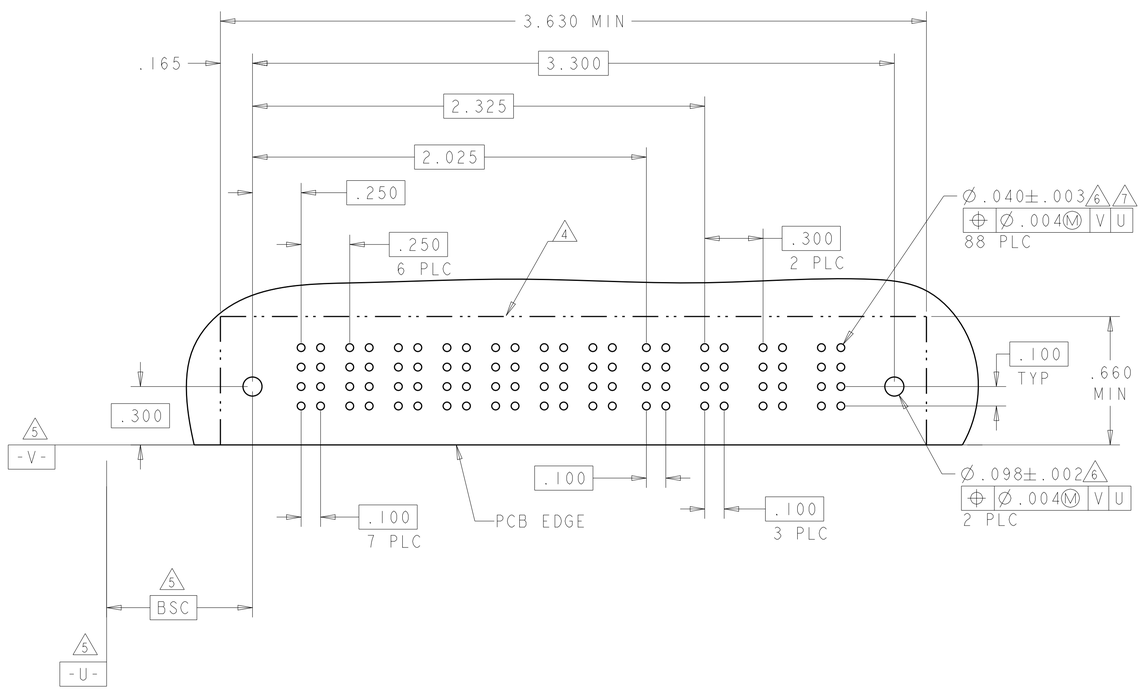
J

PART NUMBER	ROWS		POWER P1	POWER P2	SIGNAL 1	SIGNAL 2	SIGNAL 3	SIGNAL 4	SIGNAL 5	SIGNAL 6	POWER P3	POWER P4	POWER P5	POWER P6	
5-6450120-3	D		PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	
	C				K	K	K	K	K	K					
	B				N	N	N	N	N	N					
	A	HD			S	S	S	S	S	S					HD
2P + 24S + 4P															



K

PART NUMBER	ROWS		POWER P1	POWER P2	POWER P3	POWER P4	POWER P5	POWER P6	POWER P7	SIGNAL 1	SIGNAL 2	POWER P8	POWER P9	POWER P10	
5-6450120-5	D		PM	PM	PM	PM	PM	PM	PM	J	J	PM	PM	PM	
	C									K	K				
	B									N	N				
	A	HD								S	S				HD
7P + 8S + 3ACP															



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL - -
FINISH - -

DWN R.GRZYBOWSKI 02FEB05
CHK M.PERCHERKE 02FEB05
APVD M.PERCHERKE 02FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

CUSTOMER DRAWING

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

SCALE 4:1 SHEET 17 OF 24 REV M2

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

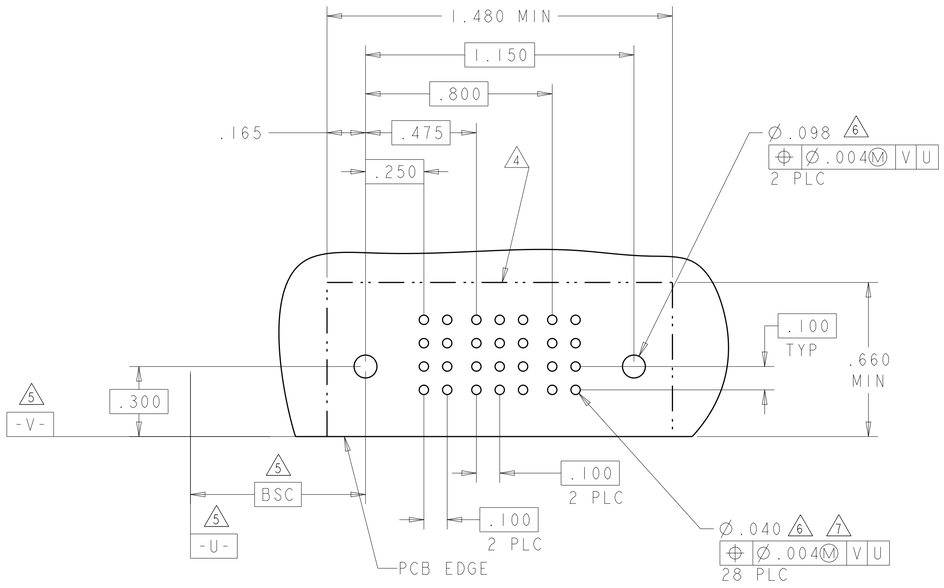
REVISIONS

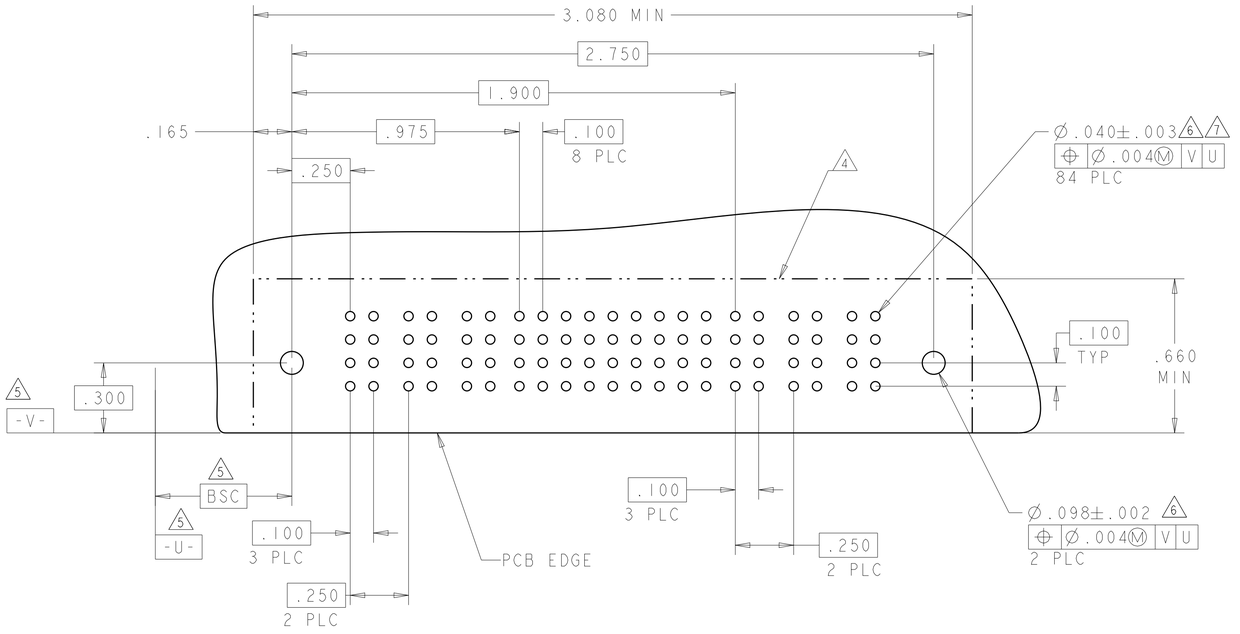
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER P1	SIGNAL 1	2	3	POWER P2
6-6450120-9	D C B A	PM	J K N H	J K N S	E K N S	PM
1P + 12S + 1P		HD				HD

PART NUMBER	ROWS	POWER P1	SIGNAL 1	2	3	POWER P2
5-6450120-6	D C B A	PM	J K N S	J K N S	J K N S	PM
1P + 12S + 1P		HD				HD

PART NUMBER	ROWS	POWER P1	P2	P3	SIGNAL 1	2	3	4	5	6	7	8	9	POWER P4	P5	P6
5-6450120-7	D C B A	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM
3P + 36S + 3P		HD														HD





THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 02FEB05	TE Connectivity
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	CHK M.PERCHERKE 02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -
MATERIAL - -	FINISH - -	APVD M.PERCHERKE 02FEB05	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-6450120 · RESTRICTED TO -
		PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	
		WEIGHT -	CUSTOMER DRAWING · SCALE 4:1 · SHEET 18 OF 24 · REV M2

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

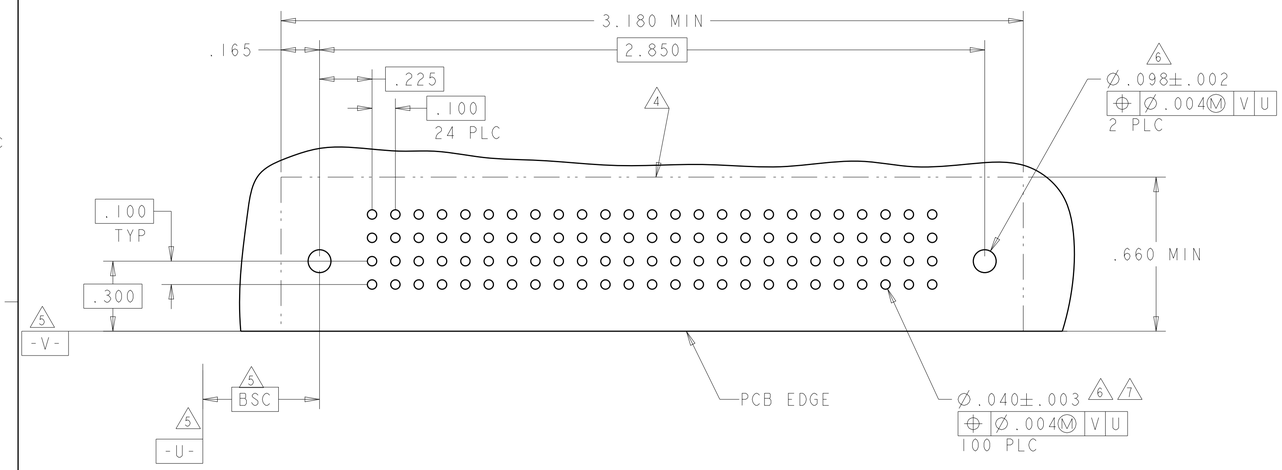
LOC	DIST
ES	00

REVISIONS

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

K3

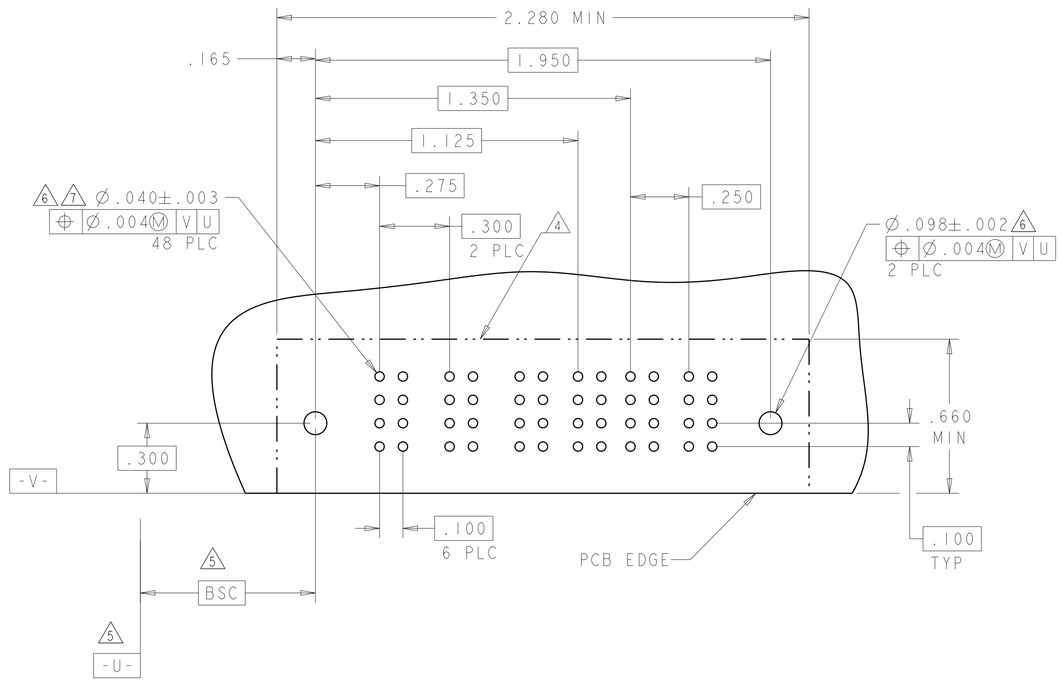
PART NUMBER	ROWS	SIGNAL 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
5-6450120-8	D	J J J J J J J J J J J J J J J J J J J J J J J J J
	C	K K K K K K K K K K K K K K K K K K K K K K K K K
	B	N N N N N N N N N N N N N N N N N N N N N N N N N
	A	S S S S S S S S S S S S S S S S S S S S S S S S S
100S		HD ... HD



SCALE 3:1

K4

PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	SIGNAL 1	SIGNAL 2	POWER P4	POWER P5
5-6450120-9	D	PM	PM	PM	J	J	PM	PM
	C				K	K		
	B				N	N		
	A				H	S		
3ACP + 8S + 2P		HD						HD



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN	R GRZYBOWSKI	02FEB05
CHK	M PERCHERKE	02FEB05
APVD	M PERCHERKE	02FEB05

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

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 19 OF 24 | REV M2

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

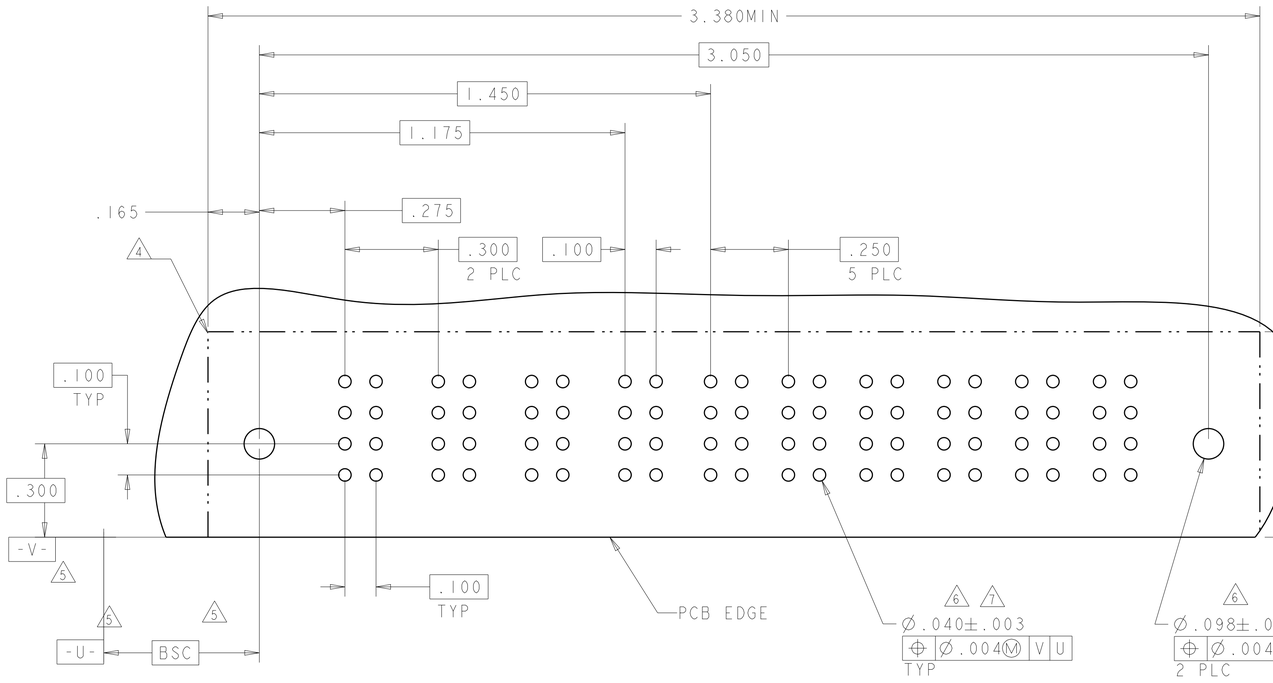
LOC	DIST
ES	00

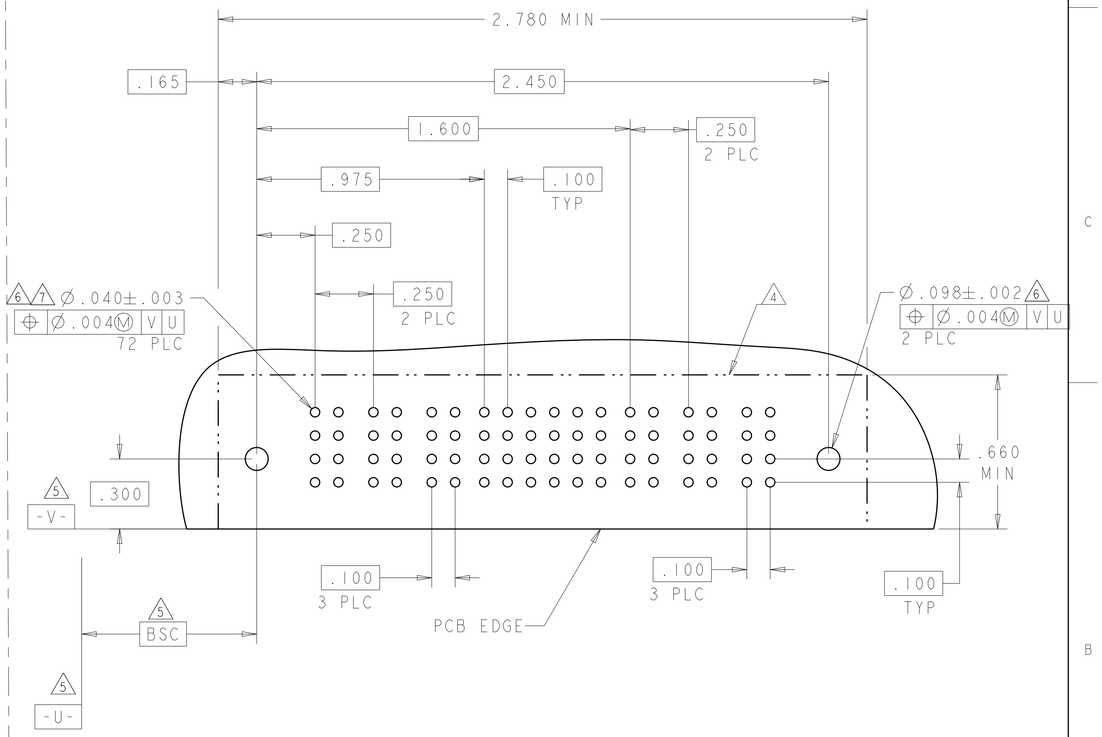
REVISIONS

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

PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	SIGNAL 1	SIGNAL 2	POWER P4	POWER P5	POWER P6	POWER P7	POWER P8	POWER P9
6-6450120-0	D C B A	PM	PM	PM	J K N H	J K N S	PM	PM	PM	PM	PM	PM
3ACP + 8S + 6P		HD										HD

PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	SIGNAL 1	SIGNAL 2	SIGNAL 3	SIGNAL 4	SIGNAL 5	SIGNAL 6	POWER P4	POWER P5	POWER P6
6-6450120-1	D C B A	PM	PM	PM	J K N S	J K N S	J K F G	J K F G	J K N S	J K N S	PM	PM	PM
3P + 24S + 3P		HD											HD





THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN	R.GRZYBOWSKI	02FEB05
CHK	M.PERCHERKE	02FEB05
APVD	M.PERCHERKE	02FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 20 OF 24 | REV M2

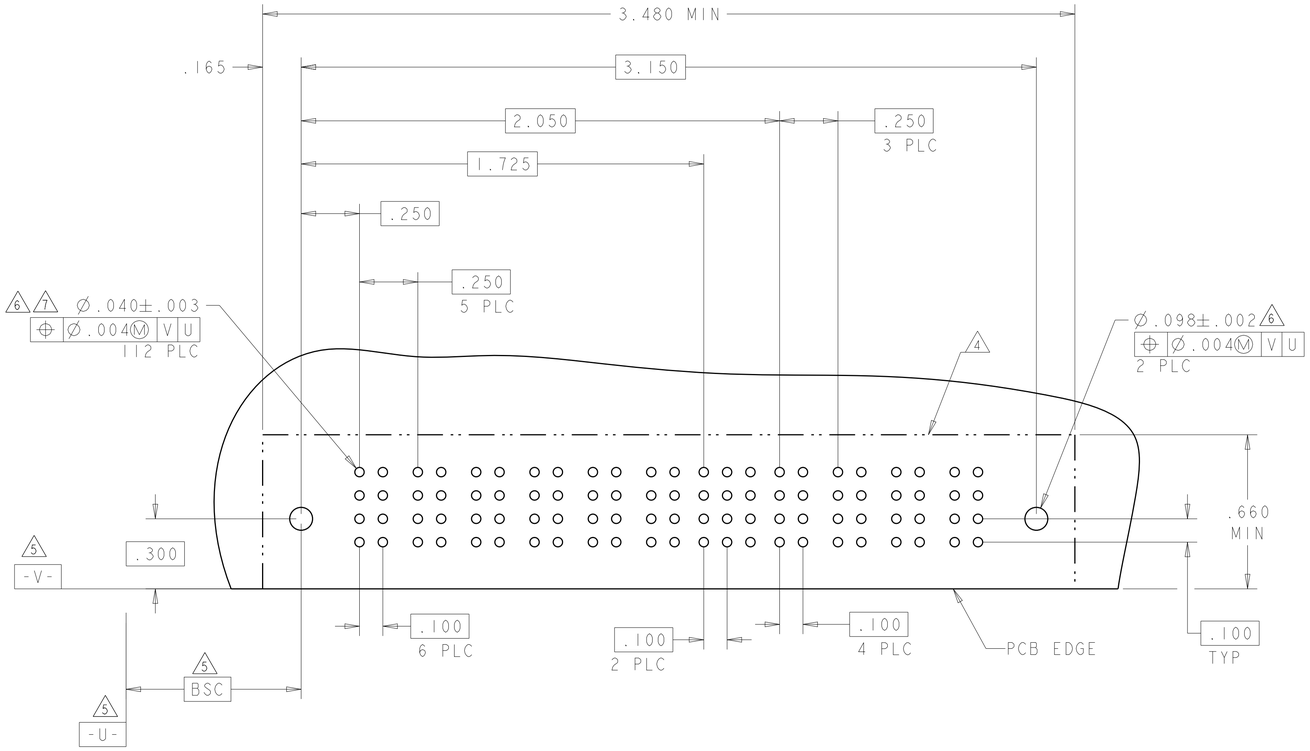
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

REVISIONS

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

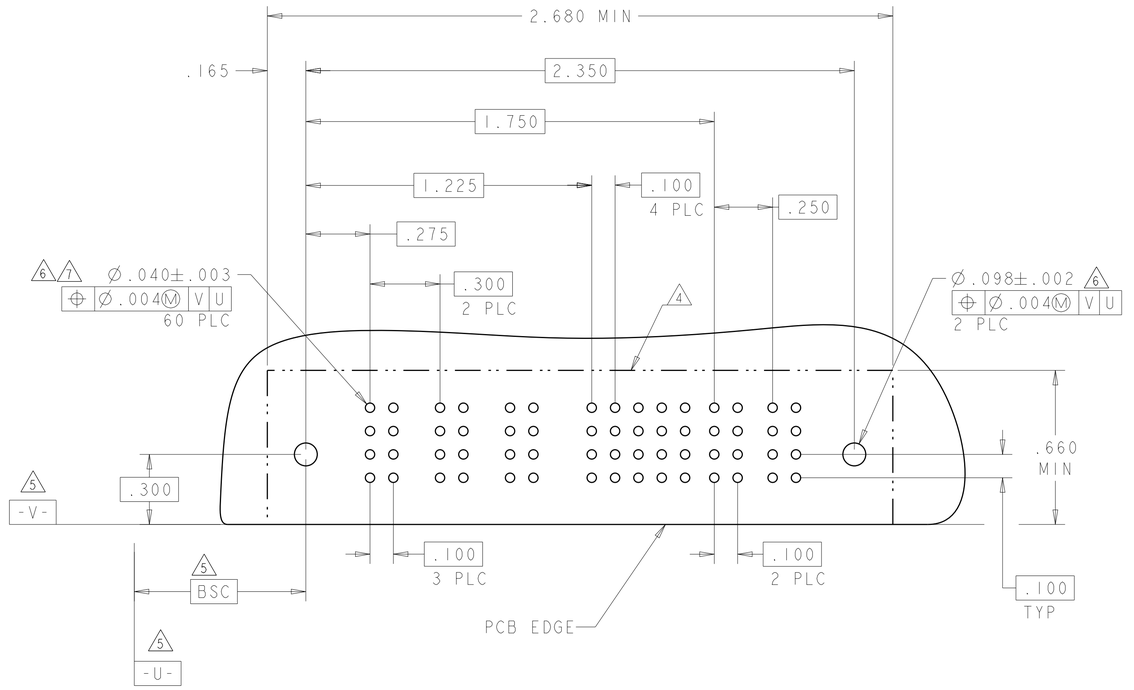
PART NUMBER	ROWS	POWER						SIGNAL			POWER				
		P1	P2	P3	P4	P5	P6	1	2	3	P7	P8	P9	P10	
6-6450120-4	D C B A	PM	PM	PM	PM	PM	PM	J K N S	J K N S	E F N S	PM	PM	PM	PM	HD
6P + 12S + 4P															



L3

PART NUMBER	ROWS	POWER			SIGNAL						POWER		
		P1	P2	P3	1	2	3	4	5	6	P4	P5	
6-6450120-5	D C B A	PM	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	HD
3ACP + 24S + 2P													

NO CONTACTS LOADED



THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 02FEB05	TE Connectivity	
DIMENSIONS: INCHES	CHK M.PERCHERKE 02FEB05	NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	APVD M.PERCHERKE 02FEB05	PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	
MATERIAL - -	FINISH - -	WEIGHT -	SIZE A1 CAGE CODE 00779 DRAWING NO C-6450120 RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 4:1 SHEET 21 OF 24 REV M2

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
ES	00

REVISIONS

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

PART NUMBER	ROWS		POWER		SIGNAL						POWER					
			P1	P2	1	2	3	4	5	6	P3	P4	P5	P6	P7	P8
6-6450120-6	D C B A	HD	PM	PM	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S		PM		PM		PM
2P + 24S + 6P																

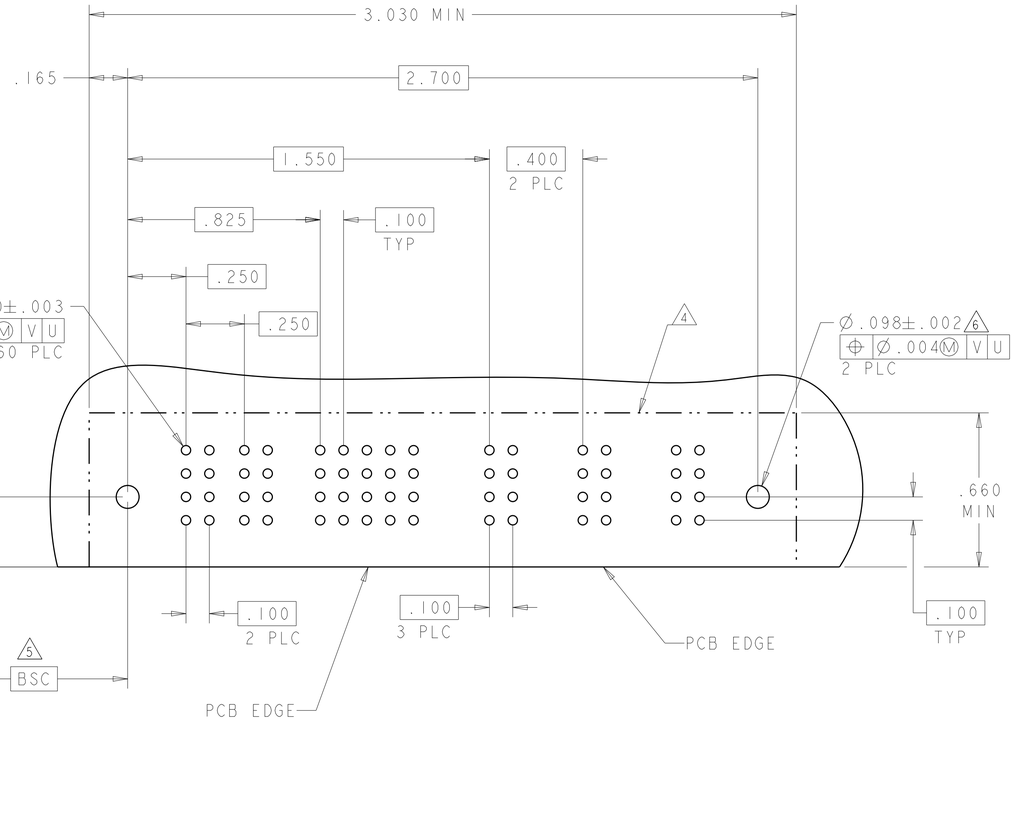
HD

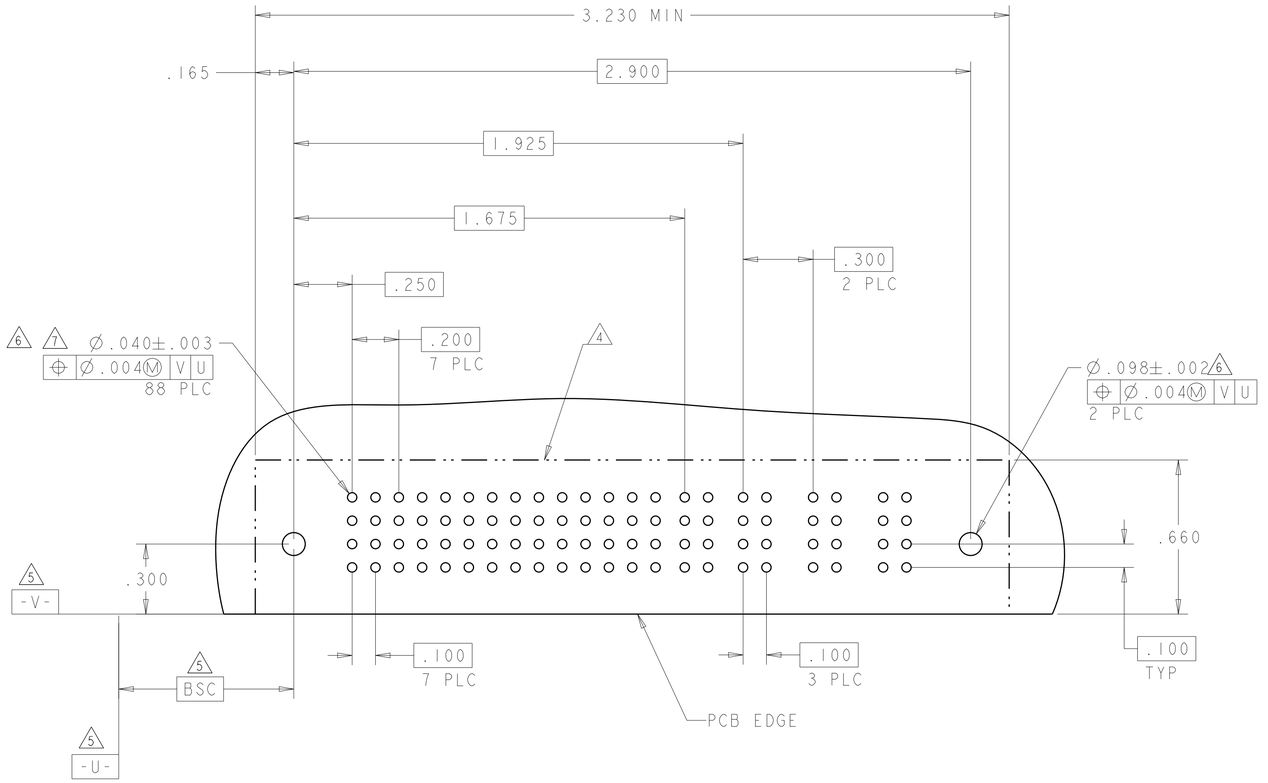
NO CONTACTS LOADED

NO CONTACTS LOADED

L5

PART NUMBER	ROWS		POWER							SIGNAL		POWER			
			P1	P2	P3	P4	P5	P6	P7	1	2	P8	P9	P10	
6-6450120-7	D C B A	HD	PM	PM	PM	PM	PM	PM	PM	E F G H	E F G H	PM	PM	PM	HD
7HDP + 8S + 3ACP															





THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH - -

DWN R.GRZYBOWSKI 02FEB05
CHK M.PERCHERKE 02FEB05
APVD M.PERCHERKE 02FEB05

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

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 22 OF 24 | REV M2

THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

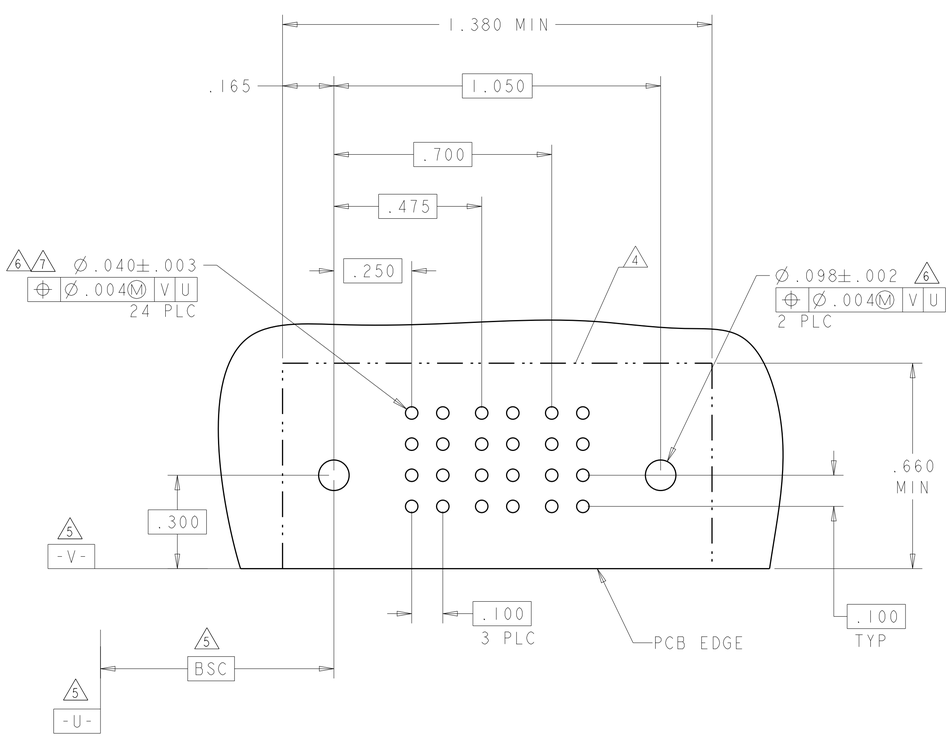
LOC	DIST
ES	00

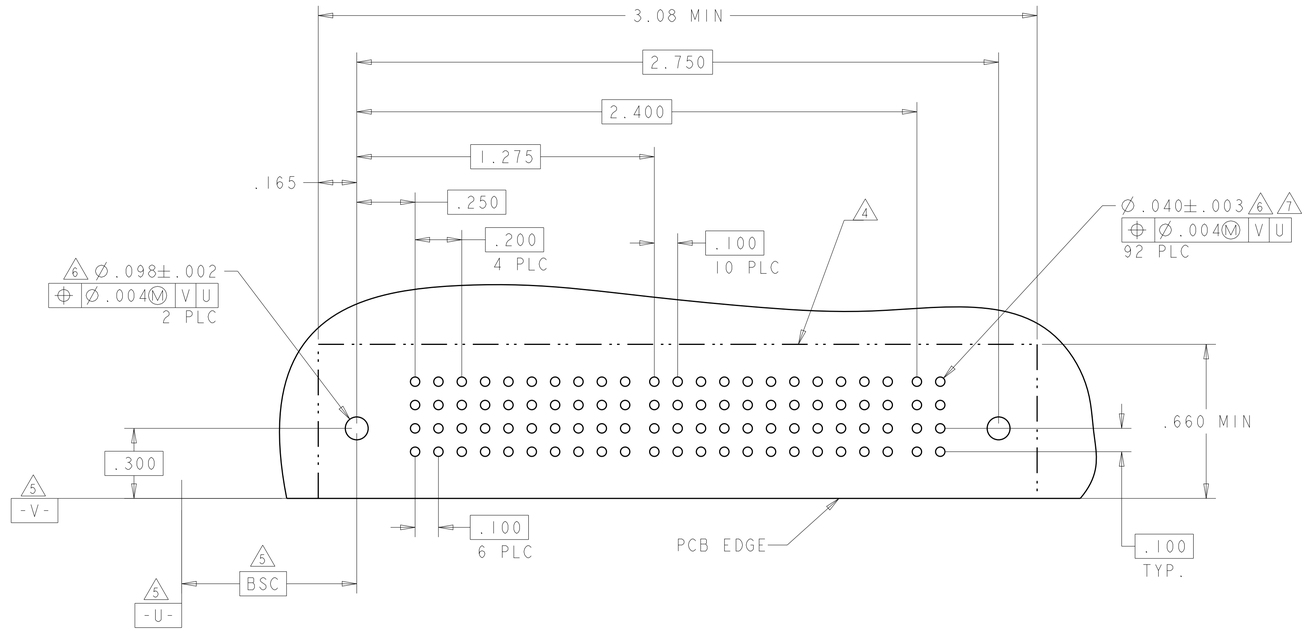
REVISIONS

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

PART NUMBER	ROWS	POWER P1	SIGNAL 1	SIGNAL 2	POWER P2
6-6450120-8	D	PM	J	J	PM
	C		K	K	
	B		N	N	
	A		S	S	
IP + 8S + IP		HD			HD

PART NUMBER	ROWS	POWER P1	P2	P3	P4	P5	SIGNAL 1	2	3	4	5	6	7	8	9	10	11	POWER P6
7-6450120-0	D	PM	PM	PM		PM	J		J		J		J		E		E	PM
	C													K	F		F	
	B						G	N		N		N			G		N	
	A						H	H	H	H	H	H	S	S	H		H	
5P + 44S + IP		HD																HD





THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

DWN R.GRZYBOWSKI	02FEB05
CHK M.PERCHERKE	02FEB05
APVD M.PERCHERKE	02FEB05
PRODUCT SPEC	108-1973
APPLICATION SPEC	114-13038
WEIGHT -	

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 23 OF 24 | REV M2

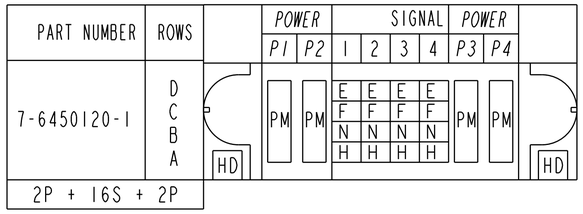
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

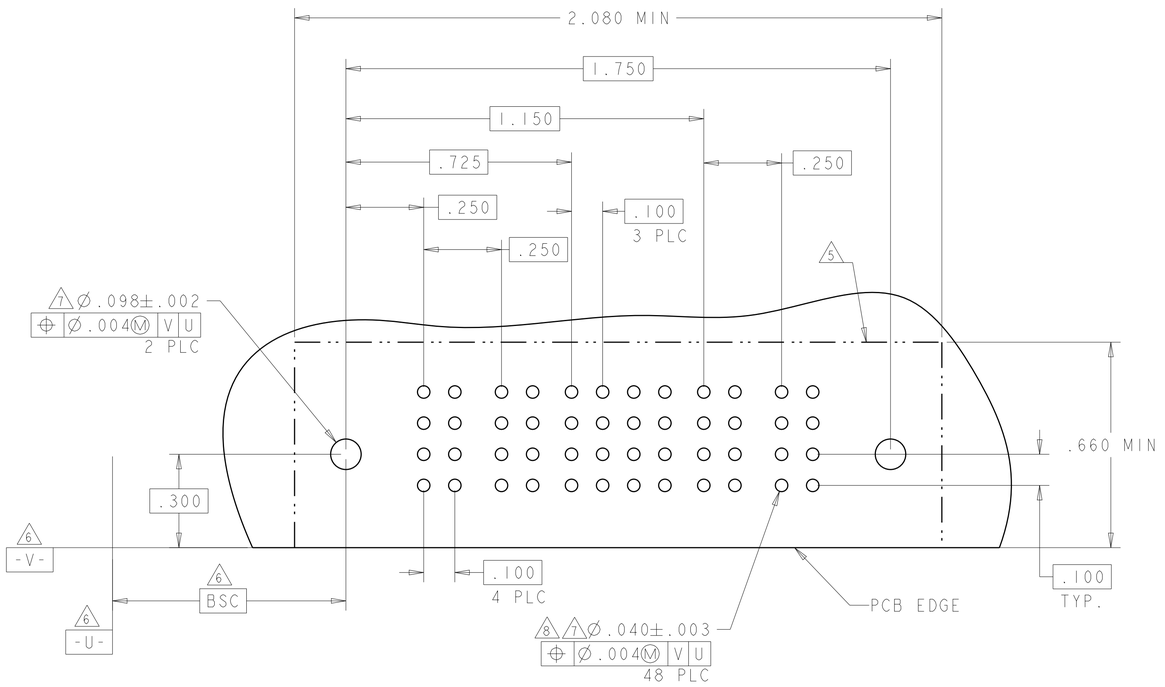
LOC	DIST
ES	00

REVISIONS

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

PART NUMBER	ROWS
7-6450120-1	D C B A
2P + 16S + 2P	





THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

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

MATERIAL - -
FINISH - -

DWN R.GRZYBOWSKI	02FEB05
CHK M.PERCHERKE	02FEB05
APVD M.PERCHERKE	02FEB05
PRODUCT SPEC 108-1973	
APPLICATION SPEC 114-13038	
WEIGHT -	

TE Connectivity

NAME RIGHT ANGLE HEADER W/GUIDES ASSEMBLY MULTI-BEAM XL
-

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450120	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 24 OF 24 | REV M2