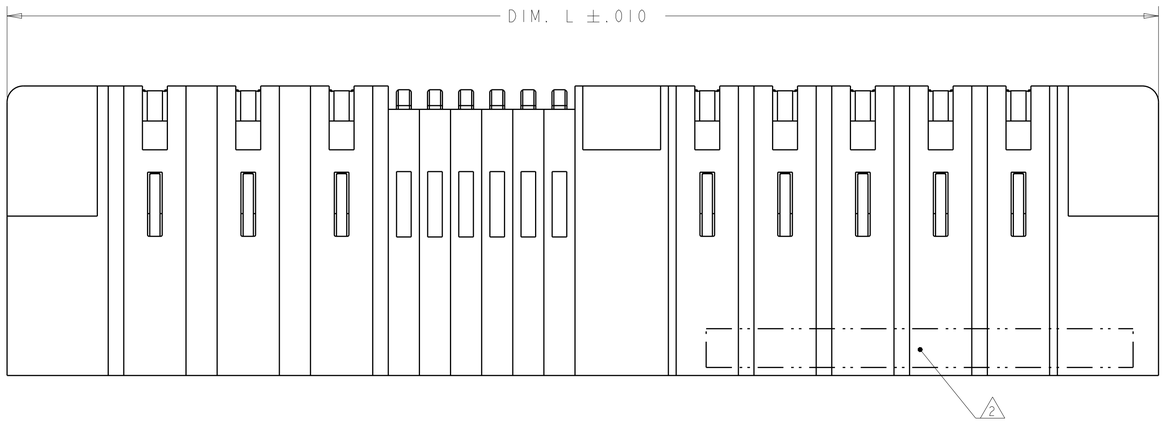
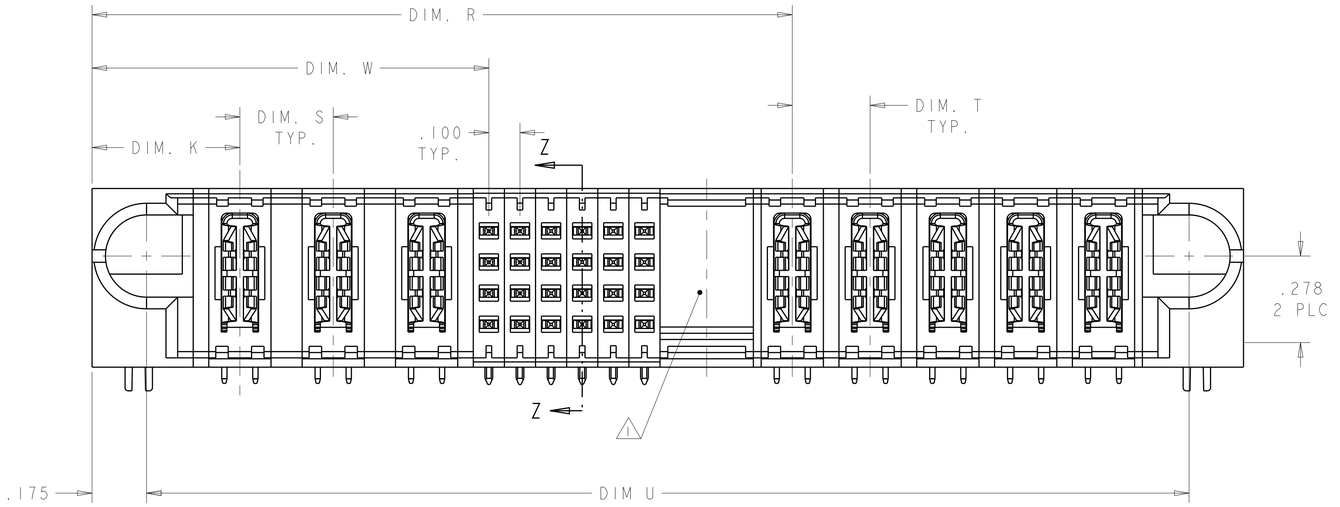
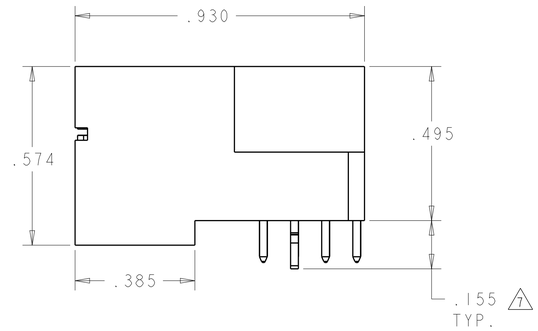
LOC	DIST
ES	00

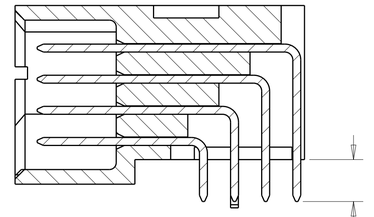
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	L9	REV PER ECR-12-010228	07JUN2012	AY	SZ
	M1	ADD 5-6450130-3	25JULY2012	OL	SZ

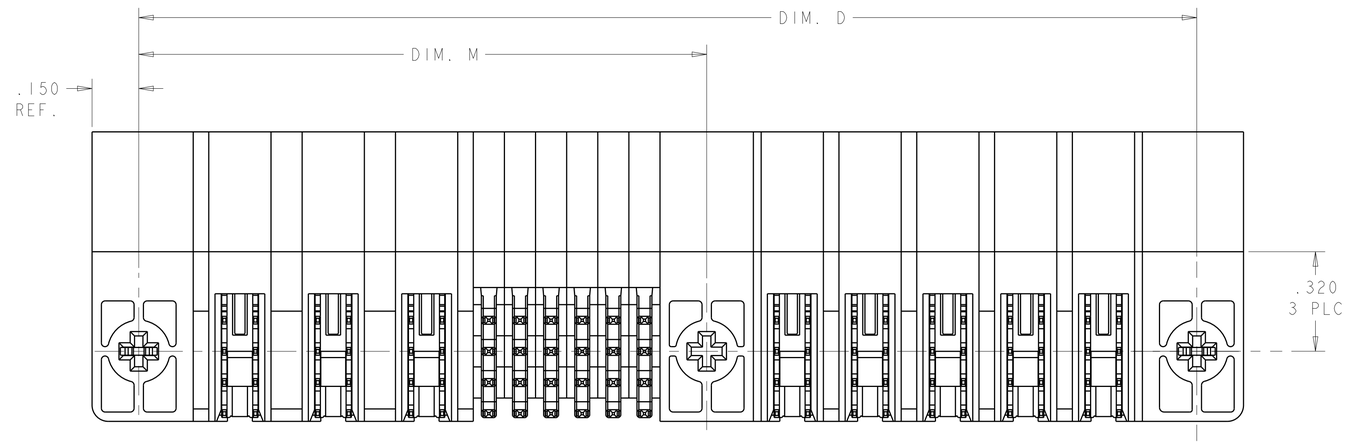








SECTION Z-Z



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 - 3

FINISH - 4

DWN R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

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

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

SCALE 4:1 SHEET 1 OF 28 REV M2

LOC	DIST
ES	00

REVISIONS

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

1. OPTIONAL CENTER MODULE WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE.
2. "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
3. MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, UL94 V-0
   SIGNAL CONTACT - COPPER ALLOY
   POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
4. CONTACT PLATING: NOBLE METAL PLATING ON CONTACT FUNCTIONAL AREA OF SIGNAL CONTACTS AND POWER CONTACTS.
5. MECHANICAL CONNECTOR KEEP OUT ZONE.
6. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
7. HOLD DOWN SEATING DEPTH DIMENSION FOR 6450130-4 IS .185 TYP
8. PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
9. PCB - .0453 +/-.0010 DRILLED HOLES PLATES WITH .0003 MIN Sn OVER .001 TO .003 Cu PLATING TO ACHIEVE A .040±.003 DIA HOLE.
10. VARIABLE DIMS. SHOWN ON VIEW

L9 PART IS SHEET 27

DIM U	DIM S (1)	DIM T (2)	DIM R	DIM W	DIM D	DIM M	DIM L (4)	DIM K	DESCRIPTION	PART NUMBER
1.600	-	-	1.500	.625	1.650	-	1.950	.450	1P + 32S + 1P	9-6450130-9
2.400	.250	.250	1.550	.875	2.450	-	2.750	.450	2P + 24S + 4P	9-6450130-8
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	9-6450130-7
1.300	-	-	1.200	.625	1.350	-	1.650	.450	1P + 20S + 1P	9-6450130-6
2.300	.250	.300	1.575	.875	2.350	-	2.650	.450	2P + 24S + 3ACP	9-6450130-5
2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	9-6450130-4
1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	9-6450130-3
2.350	.250	.250	1.250	.875	2.400	-	2.700	.450	2P + 12S + 5P	9-6450130-2
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	9-6450130-0
1.200	-	-	1.100	.625	1.250	-	1.550	.450	1P + 16S + 1P	8-6450130-9
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	8-6450130-8
2.900	.250	.250	2.550	.875	2.950	-	3.250	.450	2P + 64S + 2P	8-6450130-7
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	8-6450130-6
1.300	-	-	1.200	.675	1.350	-	1.650	.450	1P + 16S + 1P	8-6450130-5
2.800	.250	.250	1.700	1.125	2.850	-	3.150	.450	3P + 20S + 5P	8-6450130-4
2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	8-6450130-2
2.850	.250	.250	2.500	1.875	2.900	-	3.200	.450	6P + 20S + 2P	8-6450130-0
2.600	.250	.250	2.250	1.625	2.650	-	2.950	.450	5P + 20S + 2P	7-6450130-9
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	7-6450130-8
4.800	.250	.250	3.450	1.875	4.850	-	5.150	.450	6P + 60S + 6P	7-6450130-7
3.050	.300	.250	1.950	1.275	3.100	-	3.400	.475	3ACP + 24S + 5P	7-6450130-6
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	7-6450130-5
6.250	.250	(10)	5.050	4.375	6.300	-	6.600	.450	16P + 24S + 2P + 3ACP	7-6450130-4
2.000	.300	.250	1.650	1.325	2.050	-	2.350	.475	3ACP + 8S + 2P	7-6450130-1
2.500	.250	.250	2.150	.875	2.550	-	2.850	.450	2P + 48S + 2P	6-6450130-9
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	6-6450130-7
2.500	.250	.250	2.150	1.425	2.550	-	2.850	.450	4P + 24S + 2P	5-6450130-8
6.300	(10)	(10)	3.925	3.275	6.350	-	6.650	.425	14P + 24S + 12P	5-6450130-6
3.100	.200	.200	2.225	1.375	3.150	-	3.450	.425	5P + 32S + 5P	5-6450130-5
2.400	.200	.200	1.900	1.225	2.450	-	2.750	.450	4HDP + 24S + 3HDP	5-6450130-3
2.300	.300	.250	1.950	1.275	2.350	-	2.650	.450	3ACP + 24S + 2P	5-6450130-1
4.000	.300	.300	2.675	1.925	4.050	-	4.350	.475	5ACP + 24S + 5ACP	5-6450130-0
3.000	.250	.250	2.150	1.425	3.050	-	3.350	.450	4P + 24S + 4P	4-6450130-9
3.300	.250	.250	2.450	1.375	3.350	-	3.650	.450	4P + 40S + 4P	4-6450130-8
3.100	.200	.200	2.225	1.375	3.150	-	3.450	.425	5P + 32S + 5P	4-6450130-5
2.100	.300	.250	1.750	1.275	2.150	-	2.450	.475	3ACP + 16S + 2P	4-6450130-3
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	4-6450130-2
2.100	.200	.200	1.425	1.175	2.150	-	2.450	.425	4P + 8S + 4P	4-6450130-0
2.100	.300	.250	1.750	1.275	2.150	-	2.450	.475	3ACP + 16S + 2P	3-6450130-9
4.675	.250	.300	3.950	3.375	4.725	-	5.025	.450	12P + 20S + 3ACP	3-6450130-6
3.500	.250	.250	2.900	1.625	3.550	-	3.850	.450	5P + 48S + 3P	3-6450130-2
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	2-6450130-9
3.250	.250	.250	2.900	1.125	3.300	-	3.600	.450	3P + 68S + 2P	2-6450130-8
2.300	.300	.250	1.950	1.275	2.350	-	2.650	.475	3ACP + 24S + 2P	2-6450130-6
2.600	.200	.200	1.925	1.175	2.650	-	2.950	.425	4HDP + 28S + 4HDP	2-6450130-4
3.200	.200	.200	2.125	1.575	3.250	-	3.550	.425	6P + 20S + 6P	2-6450130-3
2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	2-6450130-2
3.500	.200	.200	2.225	1.775	3.550	-	3.850	.425	7P + 16S + 7P	2-6450130-1
5.450	(10)	(10)	3.075	2.425	5.500	-	5.800	.425	10P + 24S + 12P	2-6450130-0
4.400	.250	.250	4.050	.875	4.450	-	4.750	.450	2P + 124S +2P	1-6450130-9
4.275	(10)	.250	3.175	2.500	4.325	-	4.625	.475	2ACP + 6P + 24S + 5P	1-6450130-8
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	1-6450130-7
3.300	.300	.250	1.950	1.275	3.350	-	3.650	.475	3ACP + 24S + 6P	1-6450130-4
4.050	.250	-	3.950	.875	4.100	-	4.400	.450	2P + 120S + 1P	1-6450130-3
3.250	.250	-	3.150	.875	3.300	-	3.600	.450	2P + 88S + 1P	1-6450130-2
1.400	-	-	1.300	.625	1.450	-	1.750	.450	1P + 24S + 1P	1-6450130-1
2.900	.250	.250	2.550	.875	2.950	-	3.250	.450	2P + 64S + 2P	1-6450130-0
2.550	.250	.300	1.825	1.125	2.600	-	2.900	.450	3P + 24S + 3ACP	6450130-9
2.675	.200	.200	2.375	1.650	2.725	-	3.025	.450	5P + 24S + 2P	6450130-8
3.650	.250	.250	2.550	1.875	3.700	-	4.000	.450	6P + 24S + 5P	6450130-7
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	6450130-6
4.350	.250	.250	3.500	2.625	4.400	-	4.700	.450	9P + 32S + 4P	6450130-5
2.800	.250	.300	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	6450130-4
3.050	.300	.250	1.950	1.275	3.100	-	3.400	.475	3ACP + 24S + 5P	6450130-3
2.550	.300	.250	2.200	1.525	2.600	-	2.900	.475	3ACP + 1P + 24S + 2P	6450130-2
3.650	.300	.250	2.550	1.275	3.700	-	4.000	.475	3ACP + 48S + 5P	6450130-1
DIM U	DIM S (1)	DIM T (2)	DIM R	DIM W	DIM D	DIM M	DIM L (4)	DIM K	DESCRIPTION	PART NUMBER

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 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

TE Connectivity

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

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

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-6450130 | RESTRICTED TO -

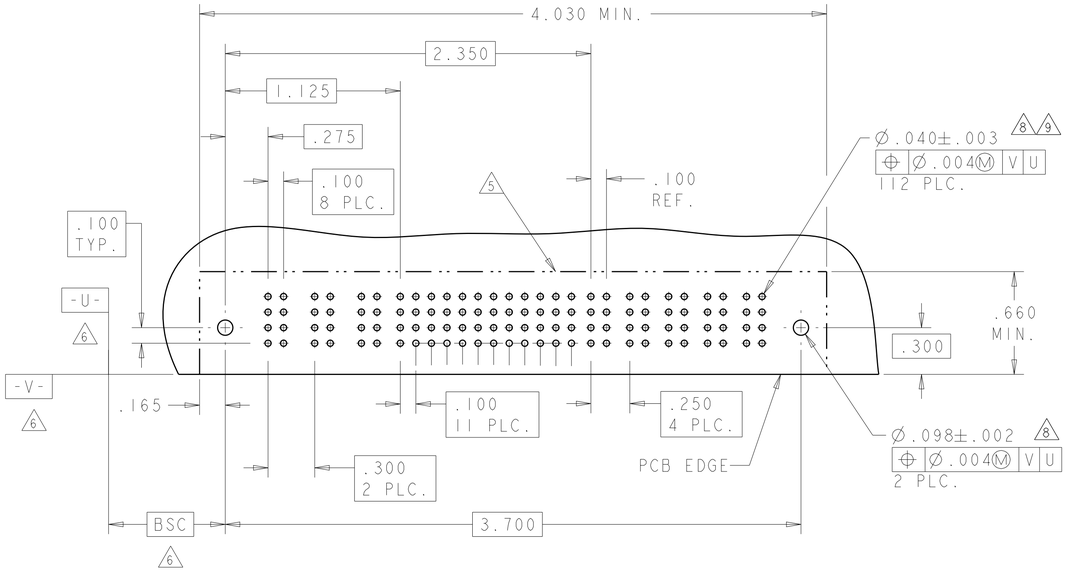
Customer Drawing | SCALE 4:1 | SHEET 2 OF 28 | REV M2

LOC	DIST
ES	00

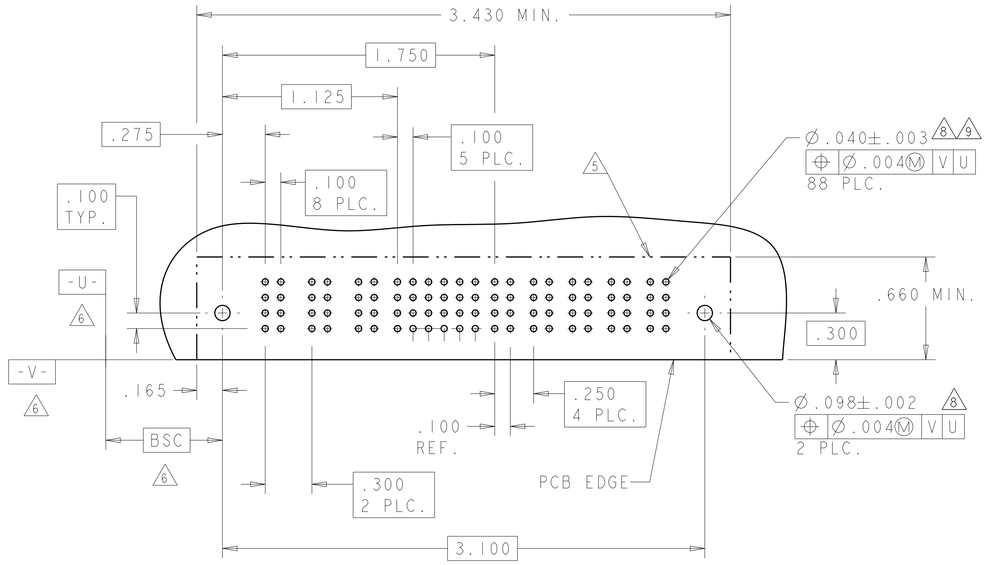
REVISIONS

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	9	10	11	12	P4	P5	P6	P7	P8
6450130-1	D C B A	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	J K N S	J K N S	J K N S	J K N **H**	PM	PM	PM	PM	PM
3ACP + 48S + 5P																					HD

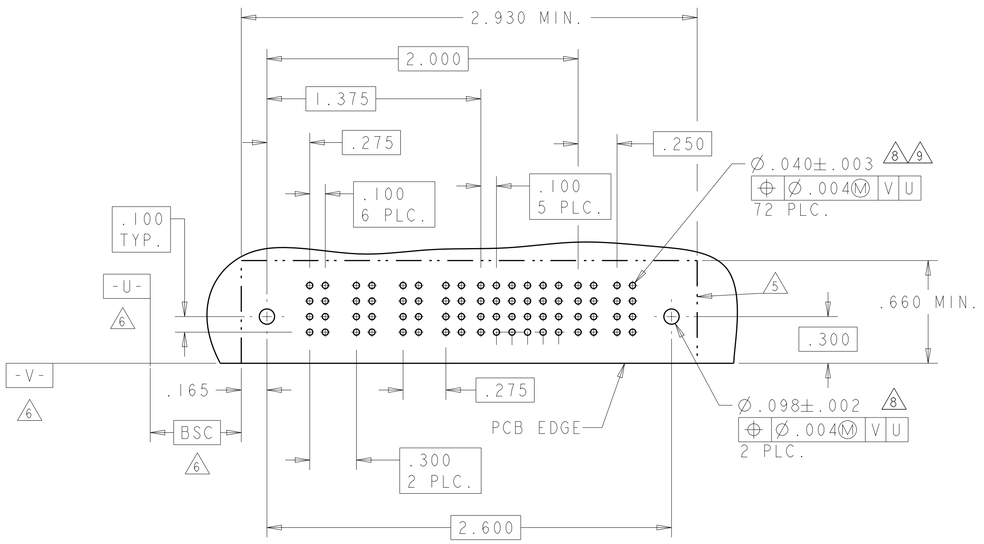


PART NUMBER	ROWS		POWER			SIGNAL						POWER				
			P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	P7	P8
6450130-3	D C B A	HD	PM	PM	PM	J K N S	J K **F** S	J K N **H**	**E** K N S	J K N S	J K **G** S	PM	PM	PM	PM	PM
3ACP + 24S + 5P																HD



NO CONTACT LOADED

PART NUMBER	ROWS		POWER				SIGNAL						POWER		
			P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	
6450130-2	D C B A	HD	PM	PM	PM		**E** K **H**	J K N S	J **F** N S	J K N S	J K N S	**E** K N S	PM	PM	HD
3ACP + 1P + 24S + 2P															



PM	.135	MULTI-BEAM
PA	.090	MULTI-BEAM
CODE	TAIL LENGTH	DESCRIPTION
POWER CONTACT		

Z	STD	.090	D
Y	STD	.090	C
R	STD	.090	B
O	STD	.090	A
A4	MLBF	.090	D
A3	MLBF	.090	C
A2	MLBF	.090	B
A1	MLBF	.090	A
E	MLBF	.135	D
F	MLBF	.135	C
G	MLBF	.135	B
H	MLBF	.135	A
J	STD	.135	D
K	STD	.135	C
N	STD	.135	B
S	STD	.135	A
CODE	MATING SEQUENCE	TAIL LENGTH	ROW
SIGNAL CONTACT			

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

MATERIAL - -

FINISH - -

DWN R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

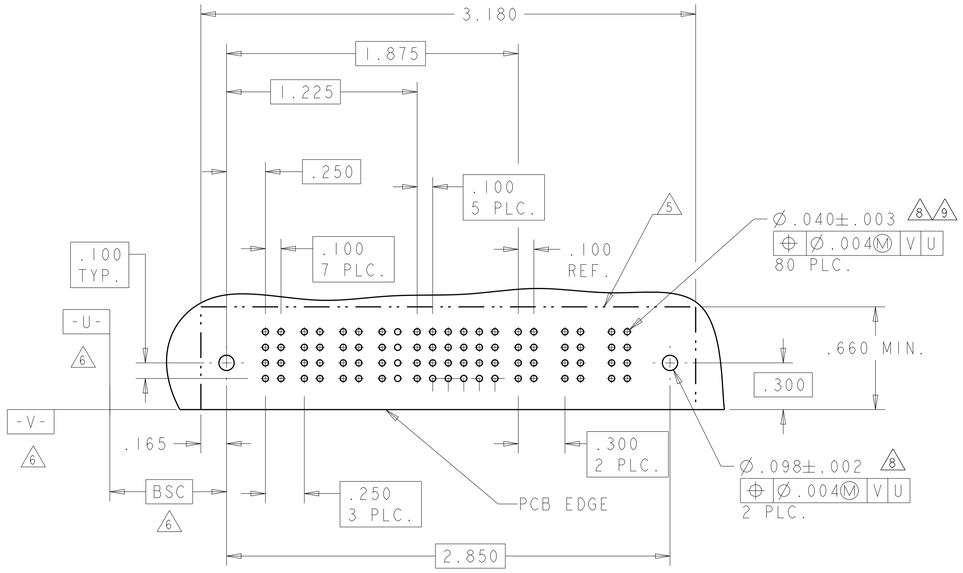
Customer Drawing | SCALE 4:1 | SHEET 3 OF 28 | REV M2

LOC	DIST
ES	00

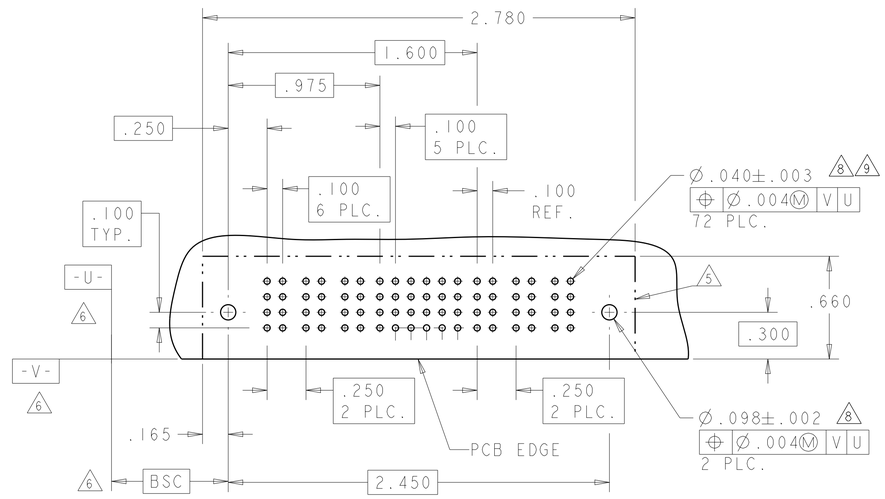
REVISIONS

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	
6450130-4	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 H	PM	PM	PM	HD
4P + 24S + 3ACP															

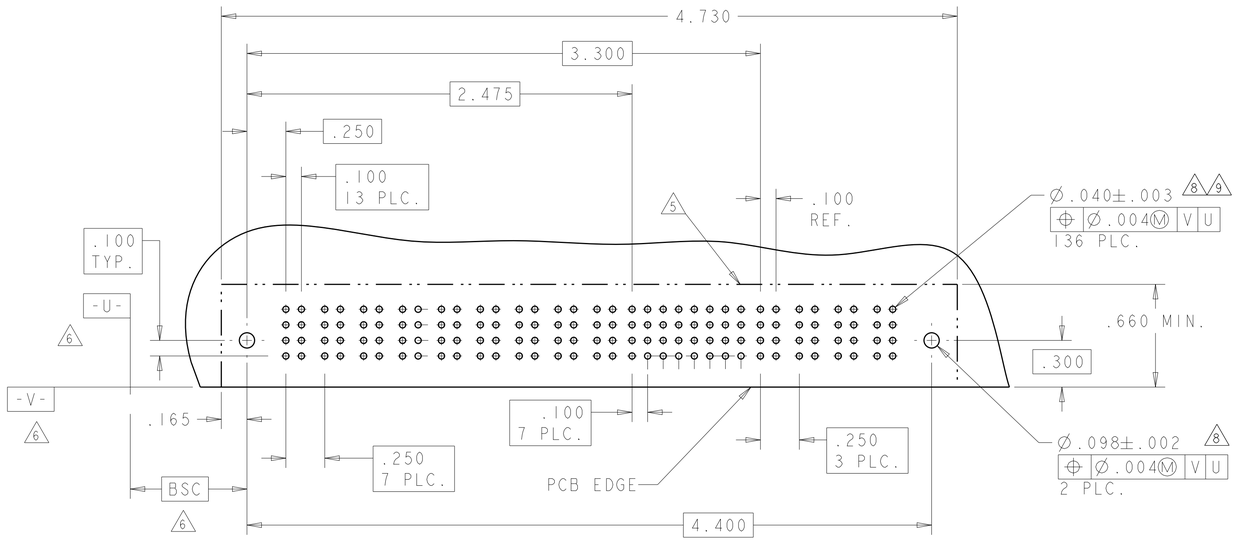


PART NUMBER	ROWS	POWER			SIGNAL						POWER			
		P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	
6450130-6	D C B A	PM	PM	PM	J K N S	J K N G	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	HD
3P + 24S + 3P														

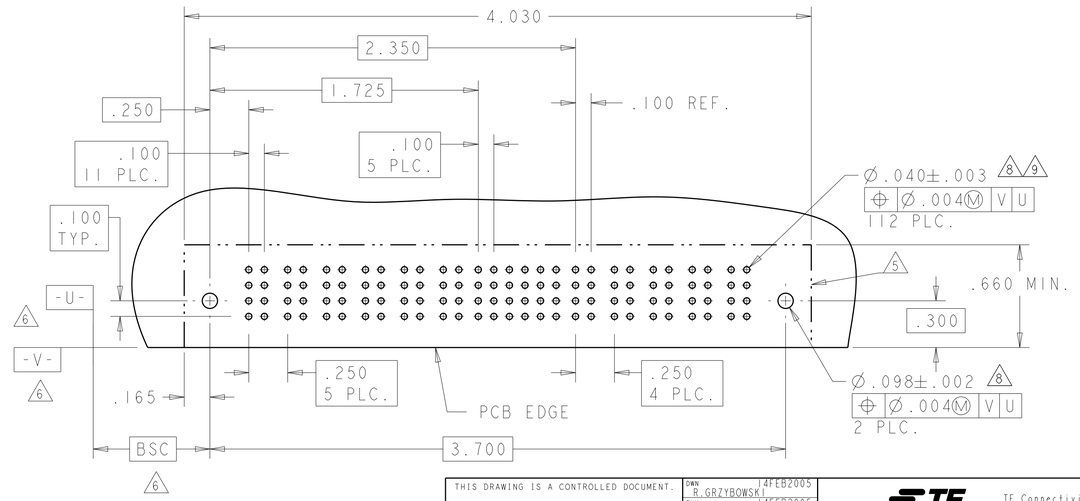


NO CONTACT LOADED

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	
6450130-5	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	E K N S	E K N S	E K N S	PM	PM	PM	PM	HD
9P + 32S + 4P																							



PART NUMBER	ROWS	POWER						SIGNAL						POWER				
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	6	P7	P8	P9	P10	P11
6450130-7	D C B A	PM	PM	PM	PM	PM	PM	J K N S	J K F S	J K N H	J K N S	E K N S	J K N G	PM	PM	PM	PM	PM
6P + 24S + 5P																		HD



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

MATERIAL - -
FINISH - -

DWN R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

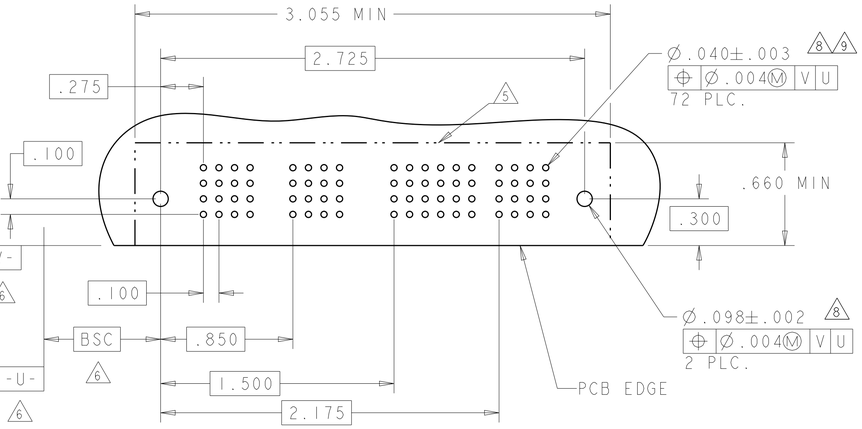
SCALE	SHEET	OF	REV
4:1	4	28	M2

LOC	DIST
ES	00

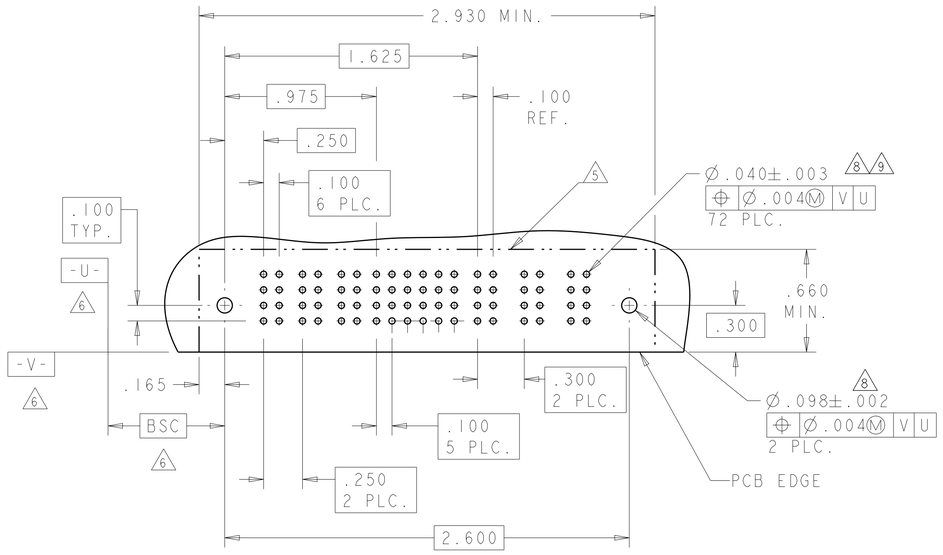
REVISIONS

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

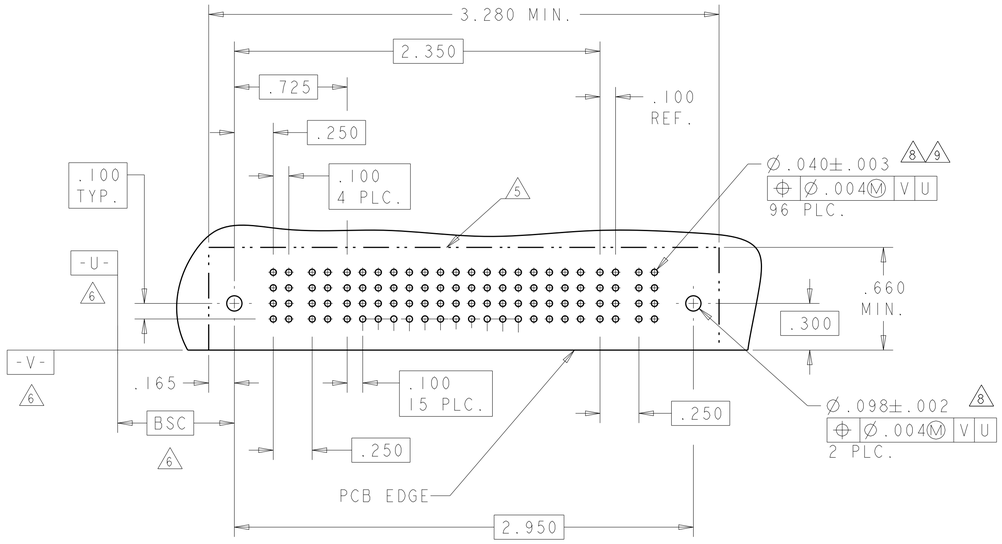
PART NUMBER	ROWS		POWER					SIGNAL						POWER	
			P1	P2	P3	P4	P5	1	2	3	4	5	6	P6	P7
6450130-8	D C B A	HD	PM	PM	PM	PM		J K N S	J K N S	J K N S	J K N S	J K N S	J K N G S	PM	PM
5P + 24S + 2P															



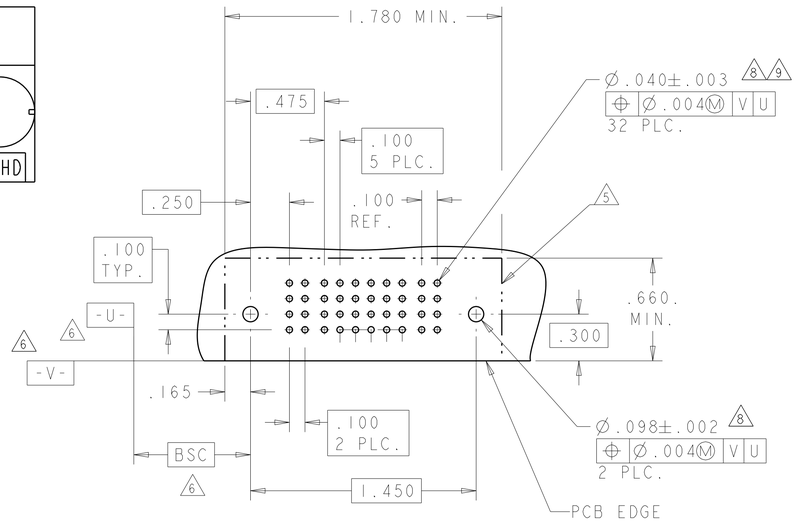
PART NUMBER	ROWS		POWER			SIGNAL						POWER			
			P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	
6450130-9	D C B A	HD	PA	PA	PA	Z A4 Y A3 R A2 O A1	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 O		PA	PA	PA	
3P + 24S + 3ACP															



PART NUMBER	ROWS		POWER	SIGNAL						POWER			
			P1	1	2	3	4	5	6	P2			
1-6450130-0	D C B A	HD	PA	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 O	PA	PA	PA	PA
2P + 64S + 2P													



PART NUMBER	ROWS		POWER	SIGNAL						POWER
			P1	1	2	3	4	5	6	P2
1-6450130-1	D C B A	HD	PA	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 A1	A4 A3 A2 O	A4 A3 A2 O	PA
1P + 24S + 1P										



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 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

TE Connectivity

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

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

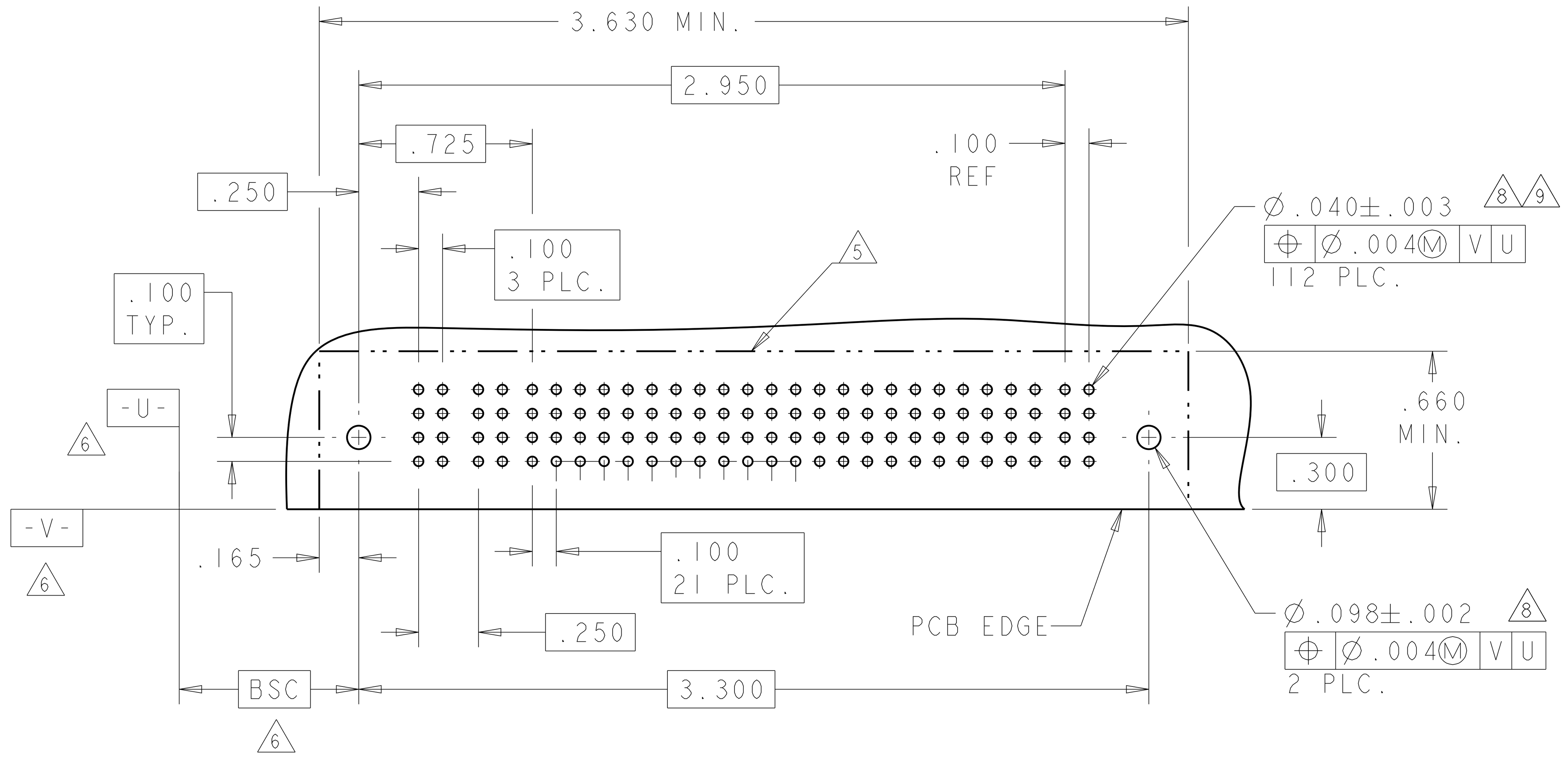
Customer Drawing | SCALE 4:1 | SHEET 5 OF 28 | REV M2

LOC	DIST
ES	00

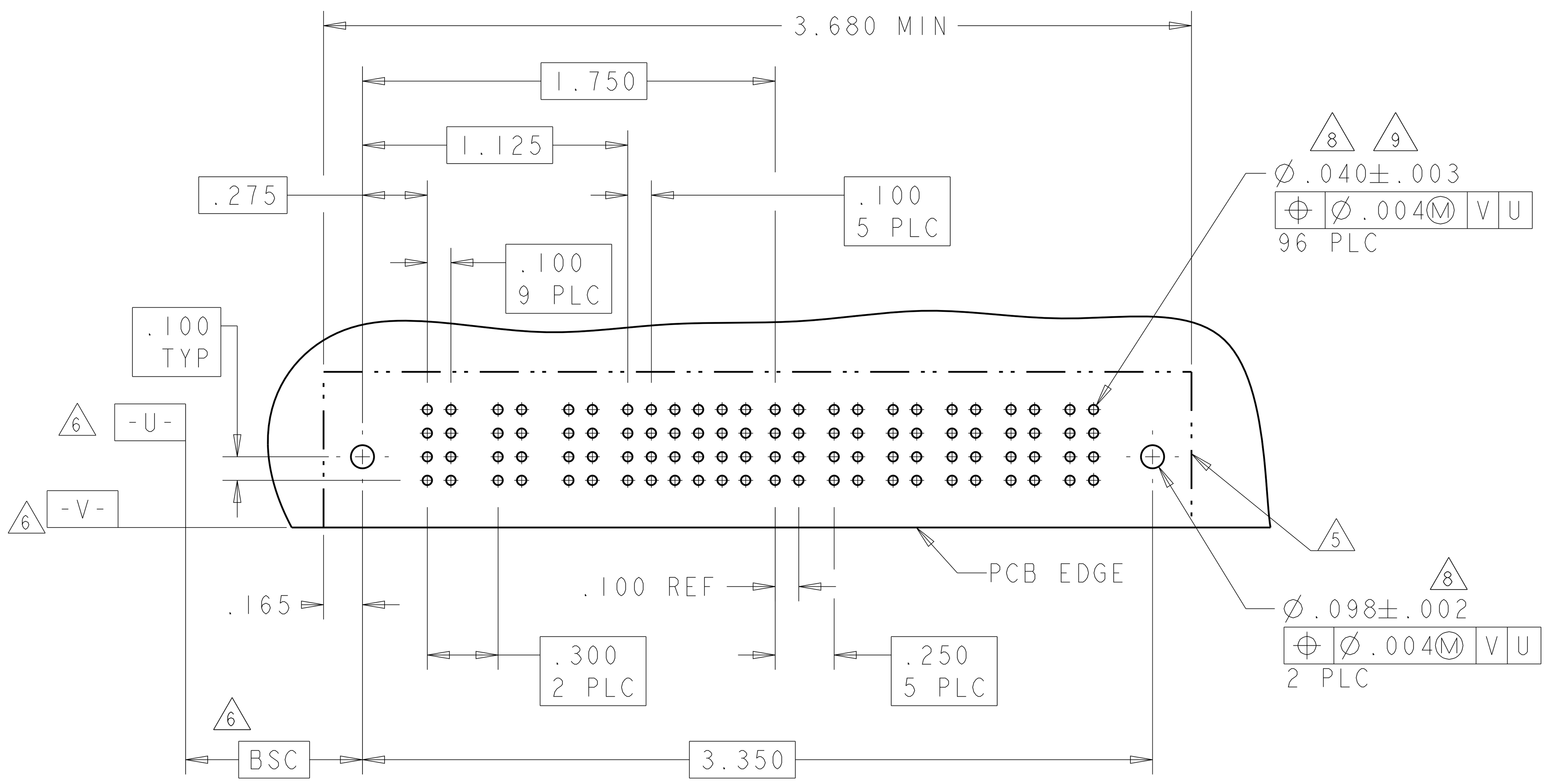
REVISIONS

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

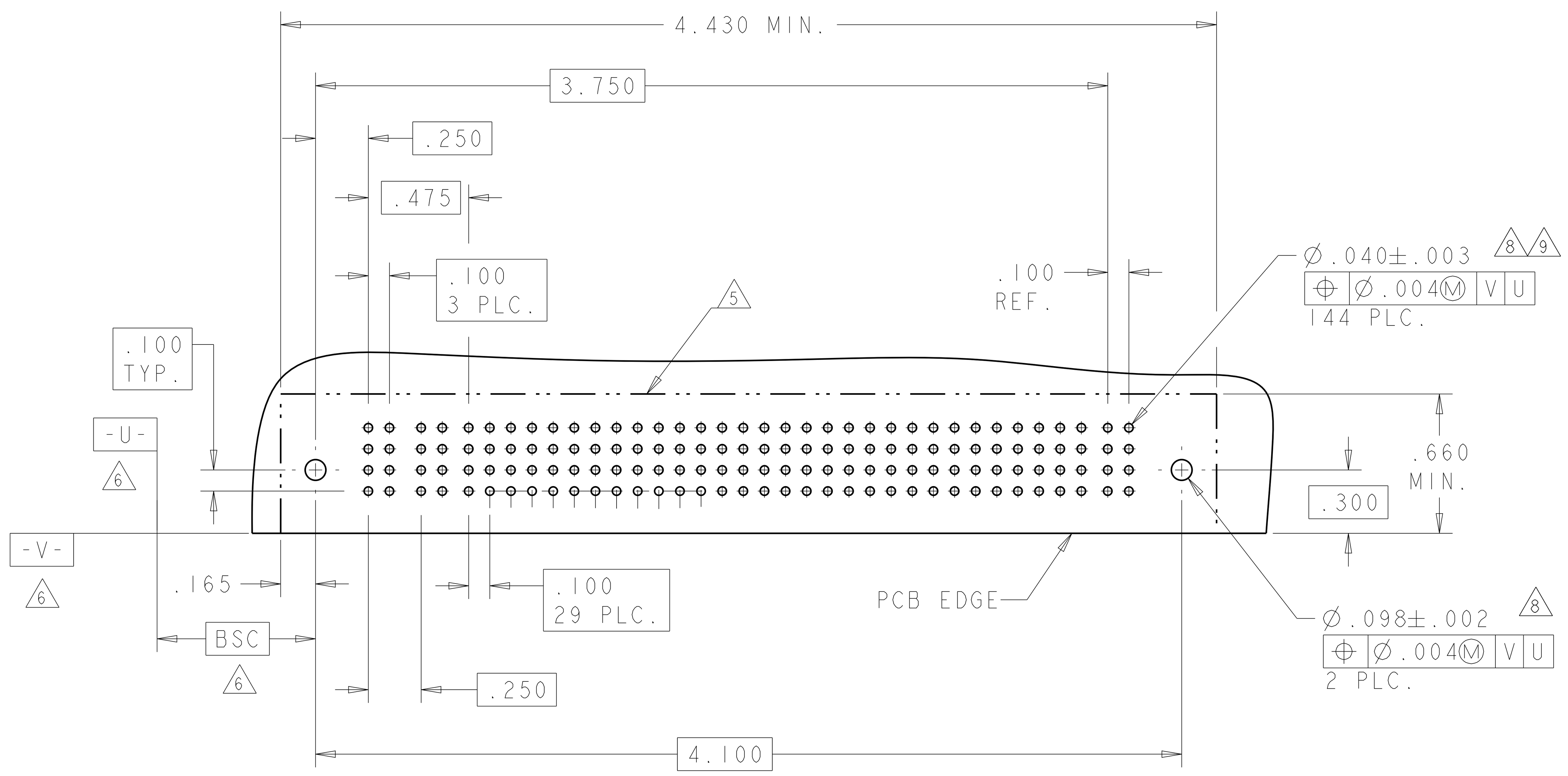
PART NUMBER	ROWS		POWER P1	POWER P2	SIGNAL 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	POWER P3	
1-6450130-2	D		PA	PA	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	PA	
	C				Y	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3		
	B				A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2		
	A	HD			O	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	O	O		HD
2P + 88S + 1P																												



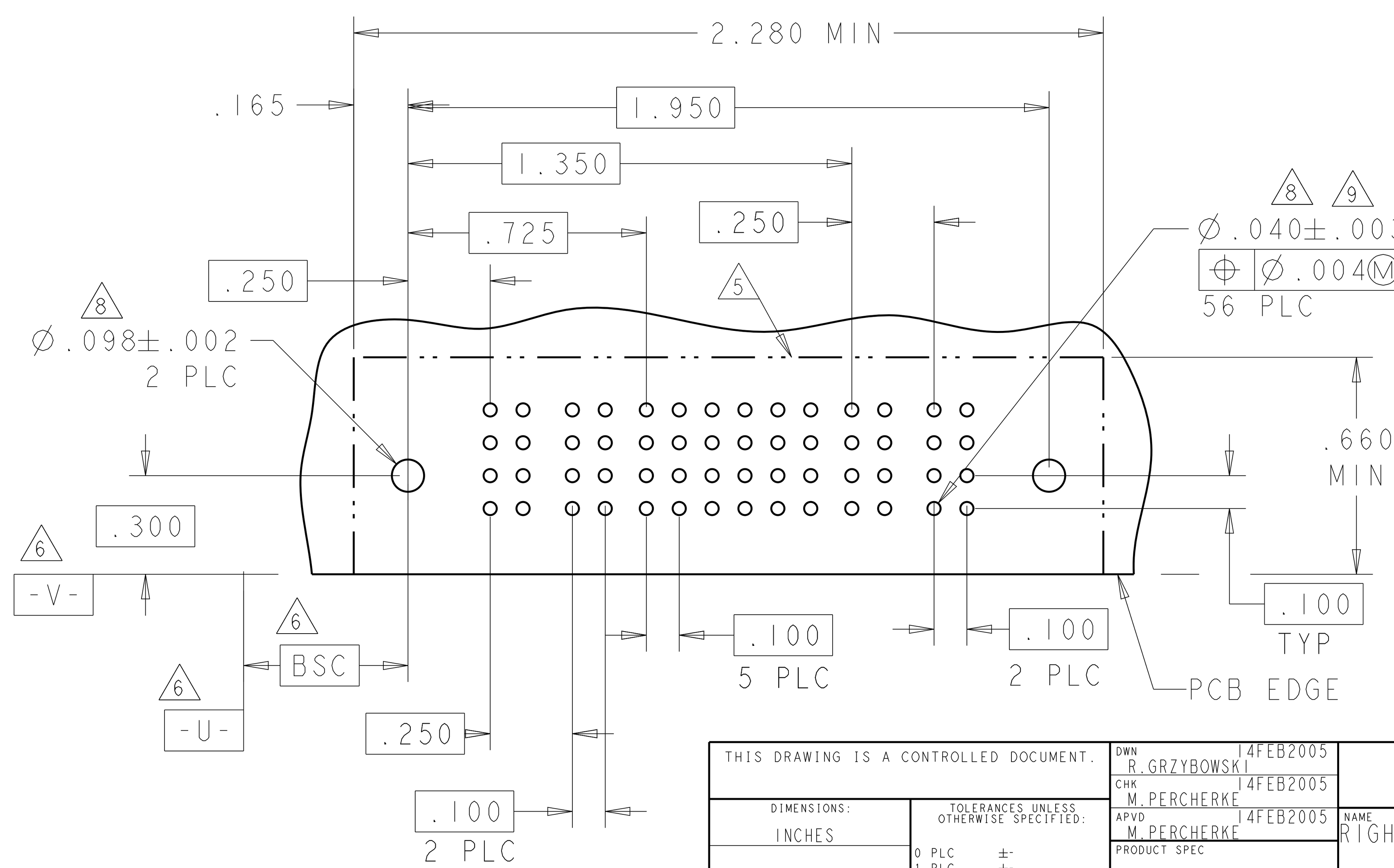
PART NUMBER	ROWS		POWER P1	POWER P2	POWER P3	SIGNAL 1	2	3	4	5	6	POWER P4	P5	P6	P7	P8	P9	
1-6450130-4	D		PM	PM	PM	J	J	J	J	J	J	PM	PM	PM	PM	PM	PM	
	C					K	K	K	K	K	K							
	B					N	N	N	N	N	N							
	A	HD				H	S	S	S	S	S							HD
3ACP + 24S + 6P																		



PART NUMBER	ROWS		POWER P1	POWER 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	26	27	28	29	30	POWER P3	
1-6450130-3	D		PA	PA	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	PA	
	C				Y	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3		
	B				A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2		
	A	HD			O	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	O	O		HD
2P + 120S + 1P																																				



PART NUMBER	ROWS		POWER P1	POWER P2	SIGNAL 1	2	3	4	5	6	POWER P3	POWER P4	
1-6450130-7	D		PM	PM	E	J	J	J	J	E	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 + 2P													



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DWN	R.GRZYBOWSKI 14FEB2005
CHK	M.PERCHERKE 14FEB2005
APVD	M.PERCHERKE 14FEB2005
PRODUCT SPEC	108-1973
APPLICATION SPEC	114-13038
WEIGHT	-

DIMENSIONS: INCHES

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

MATERIAL -
FINISH -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

SCALE 4:1 SHEET 6 OF 28 REV M2

4805 (3/11)

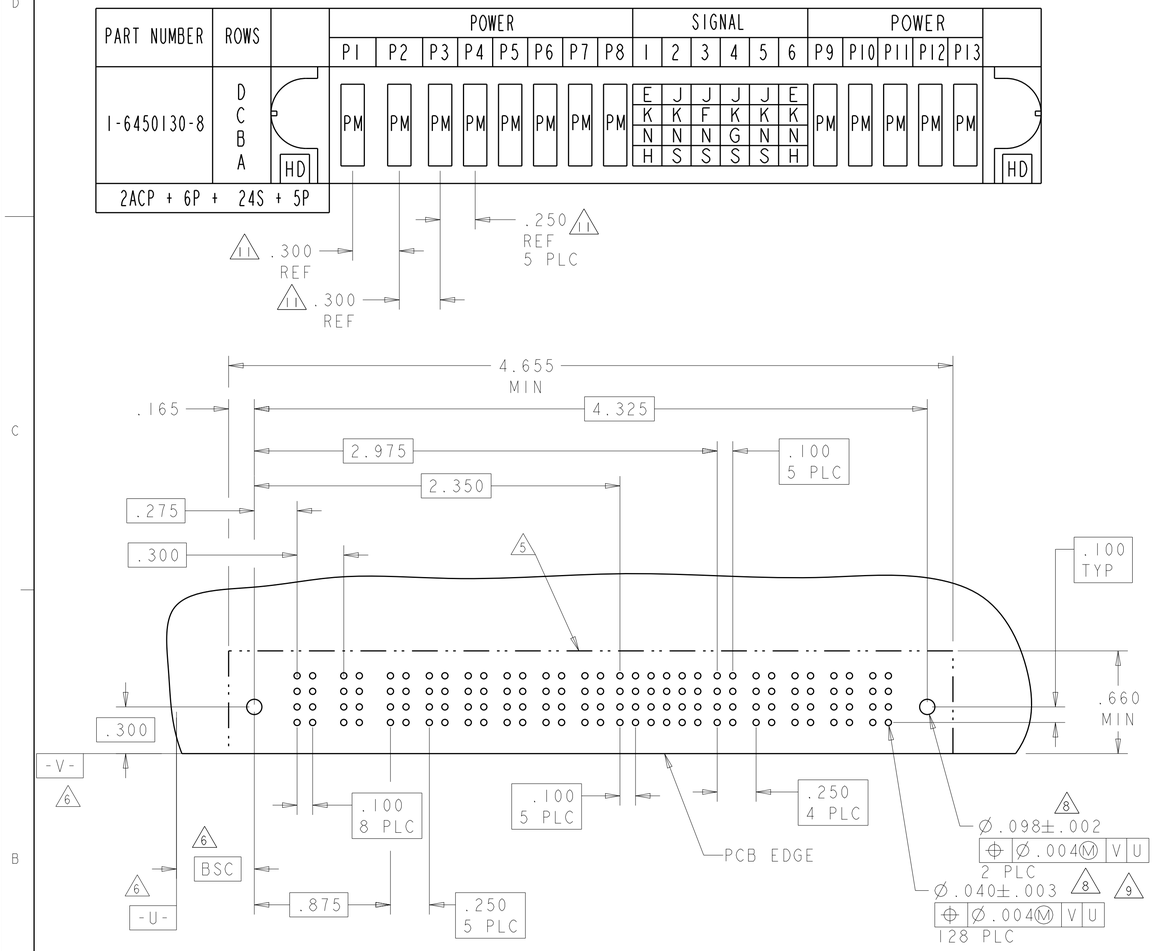
LOC	DIST
ES	00

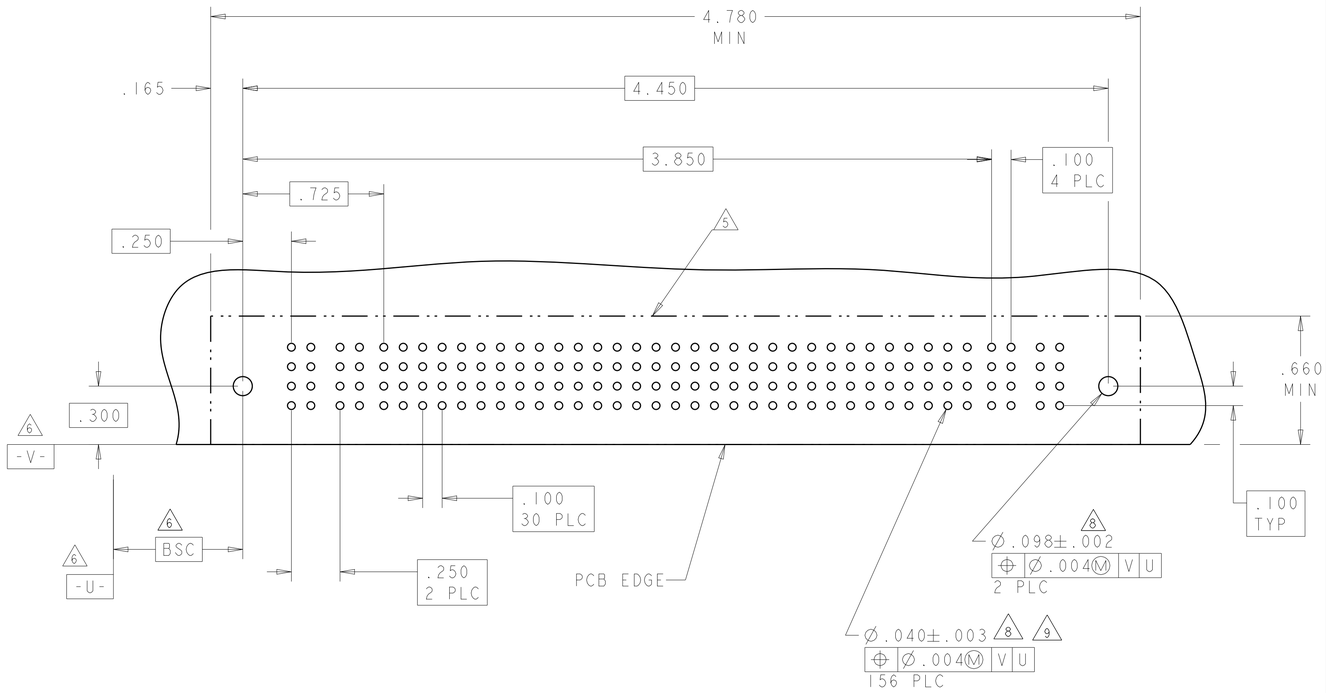
REVISIONS

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

PART NUMBER	ROWS		POWER								SIGNAL						POWER				
			P1	P2	P3	P4	P5	P6	P7	P8	1	2	3	4	5	6	P9	P10	P11	P12	P13
1-6450130-8	D		PM	PM	PM	PM	PM	PM	PM	PM	E	J	J	J	J	E	PM	PM	PM	PM	PM
	C										K	K	F	K	K	K					
	B										N	N	N	G	N	N					
	A	HD									H	S	S	S	S	H					HD
2ACP + 6P + 24S + 5P																					

PART NUMBER	ROWS		POWER		SIGNAL																													POWER			
			P1	P2	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	26	27	28	29	30	31	P3	P4	
1-6450130-9	D		PA	PA	Z	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	Z	PA	PA	
	C				Y	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	Y			
	B				R	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	R	A2			
	A	HD			A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1				HD
2P + 124S + 2P																																					





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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 R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

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

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

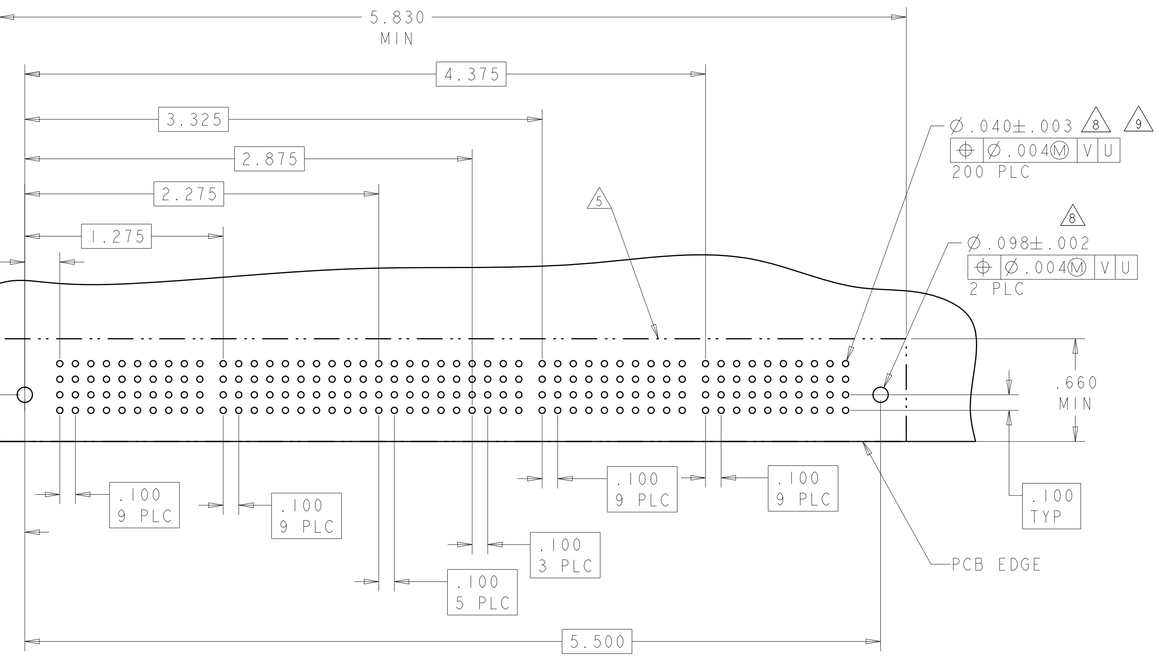
Customer Drawing | SCALE 4:1 | SHEET 7 OF 28 | REV M2

LOC	DIST
ES	00

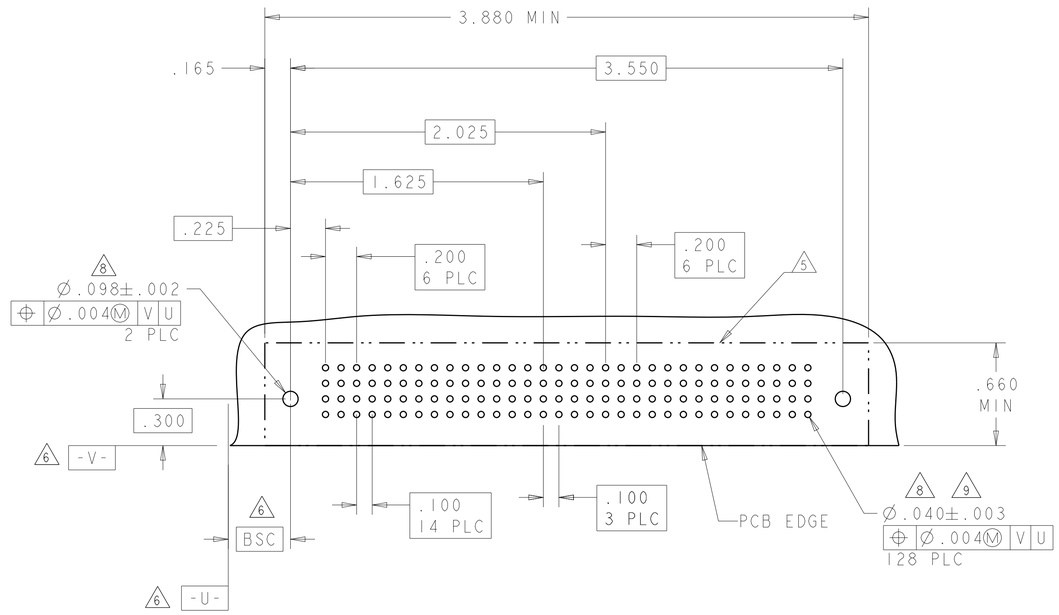
REVISIONS

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

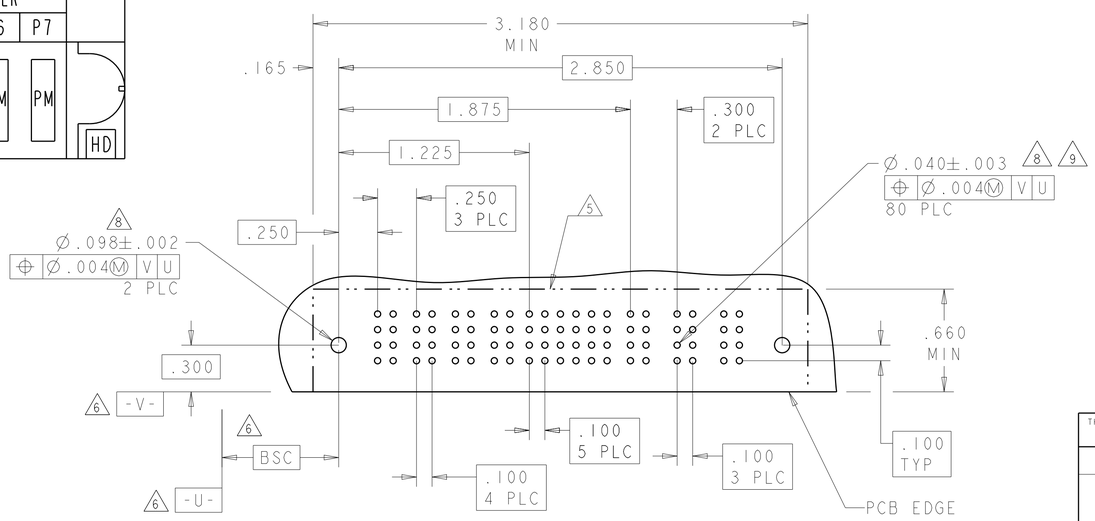
PART NUMBER	ROWS	POWER										SIGNAL						POWER											
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5	6	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22
2-6450130-0	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	J K N S	J K N H	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM
10P + 24S + 12P		HD																											HD



PART NUMBER	ROWS	POWER							SIGNAL				POWER							
		P1	P2	P3	P4	P5	P6	P7	1	2	3	4	P8	P9	P10	P11	P12	P13	P14
2-6450130-1	D C B A	PM	PM	PM	PM	PM	PM	PM	E F G S	E F G S	E F G S	E F G H	PM	PM	PM	PM	PM	PM	PM	PM
7P + 16S + 7P		HD																		HD



PART NUMBER	ROWS	POWER				SIGNAL						POWER		
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7
2-6450130-2	D C B A	PM	PM	PM	PM	J K N S	J K N S	J K N S	J K N G	J K N S	J K N S	PM	PM	PM
4P + 24S + 3ACP		HD												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 R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

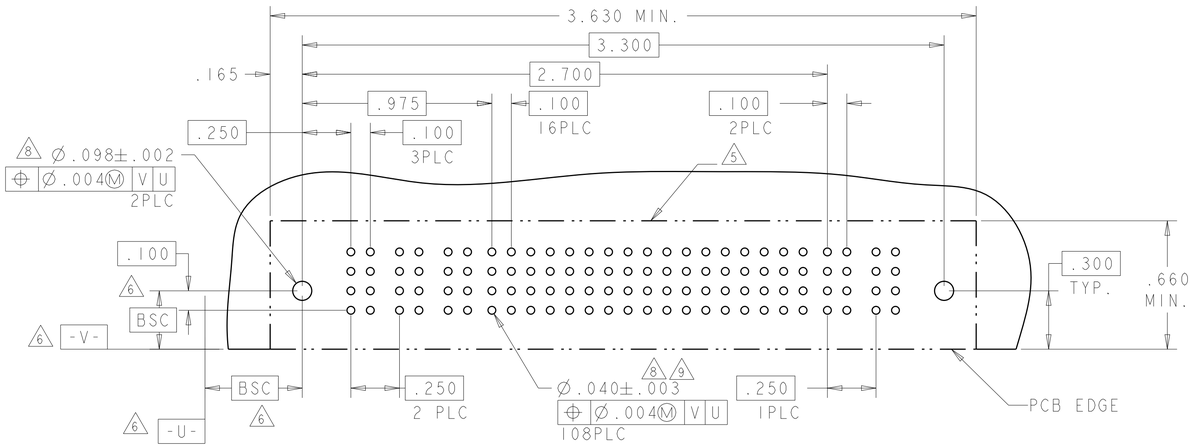
Customer Drawing | SCALE 4:1 | SHEET 8 OF 28 | REV M2

LOC	DIST
ES	00

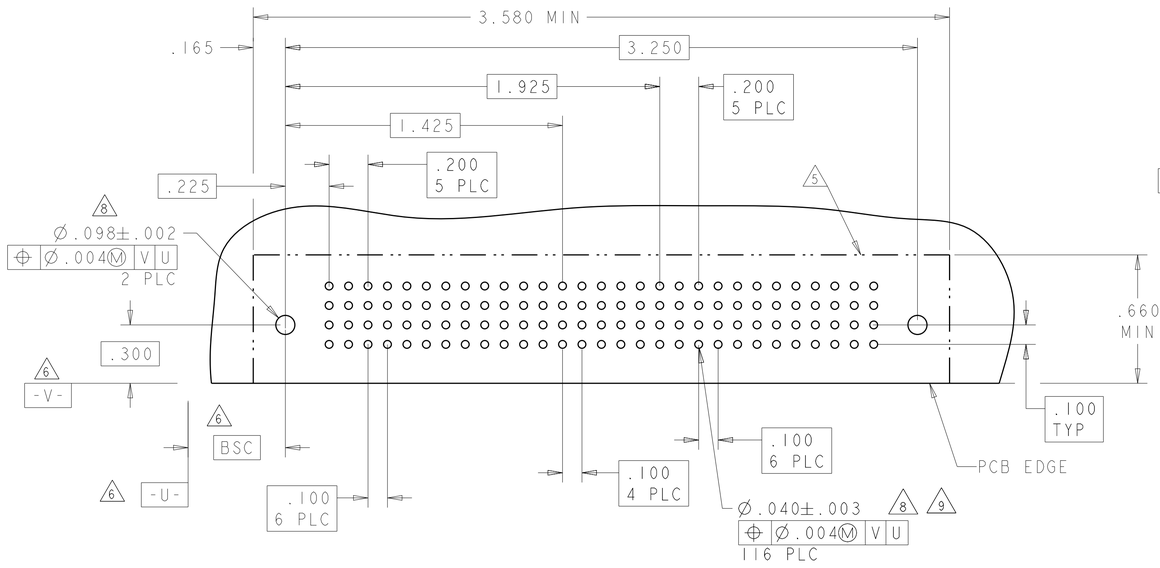
REVISIONS

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

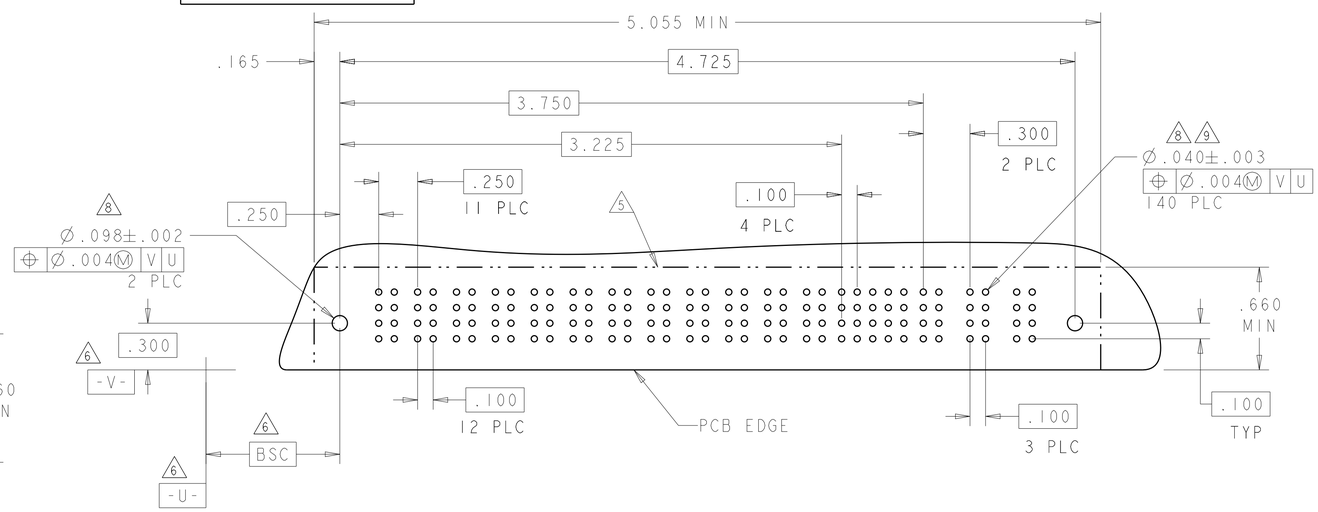
PART NUMBER	ROWS	POWER			SIGNAL																POWER	
		P1	P2	P3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	P4	P5
2-6450130-8	D C B A	PM	PM	PM	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	J	PM	PM
					K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K	K		
					N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
					S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S		
3P + 68S + 2P		HD																				HD



PART NUMBER	ROWS	POWER					SIGNAL					POWER					
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	P7	P8	P9	P10	P11	P12
2-6450130-3	D C B A	PM	PM	PM	PM	PM	PM	E	J	J	J	J	PM	PM	PM	PM	PM	PM
								F	K	K	K	K						
								G	N	N	N	N						
								H	S	S	S	H						
6P + 20S + 6P		HD																HD



PART NUMBER	ROWS	POWER												SIGNAL					POWER			
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	1	2	3	4	5	P13	P14	P15
3-6450130-6	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	E	E	J	J	J	PM	PM	PM
														K	K	F	K	K			
														N	N	N	N	N			
														H	S	H	S	S			
12P + 20S + 3ACP		HD																				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	R GRZYBOWSKI	14FEB2005
CHK	M PERCHERKE	14FEB2005
APVD	M PERCHERKE	14FEB2005
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing | SCALE 4:1 | SHEET 9 OF 28 | REV M2

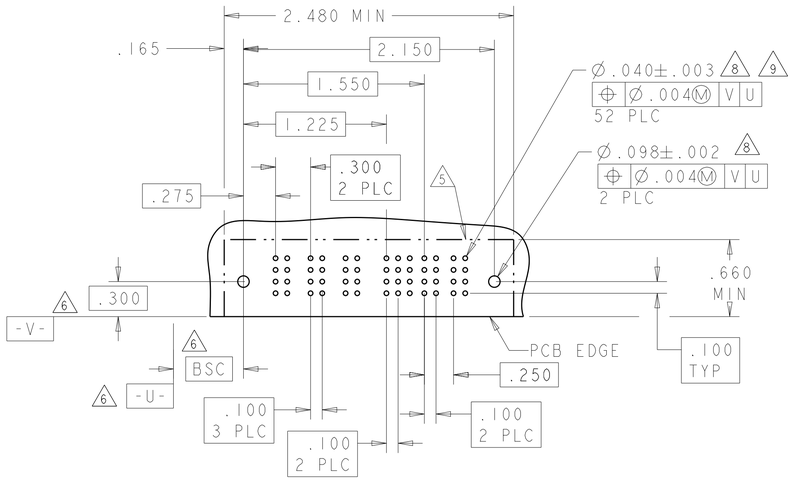
LOC	DIST
ES	00

REVISIONS

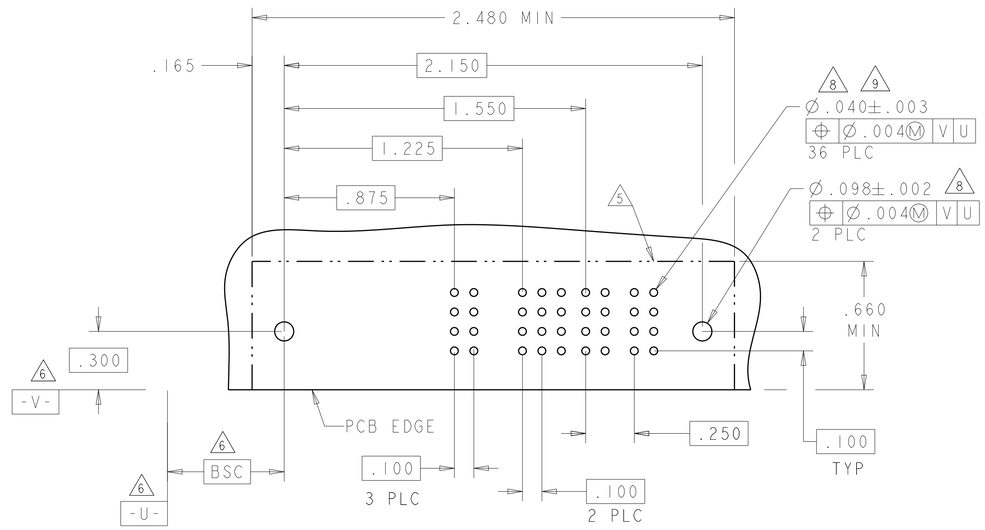
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER			SIGNAL				POWER		
			P1	P2	P3	1	2	3	4	P4	P5	
3-6450130-9	D C B A	HD	PM	PM	PM	J K N S	J K N S	J K N S	J K N H	PM	PM	HD
3ACP + 16S + 2P												

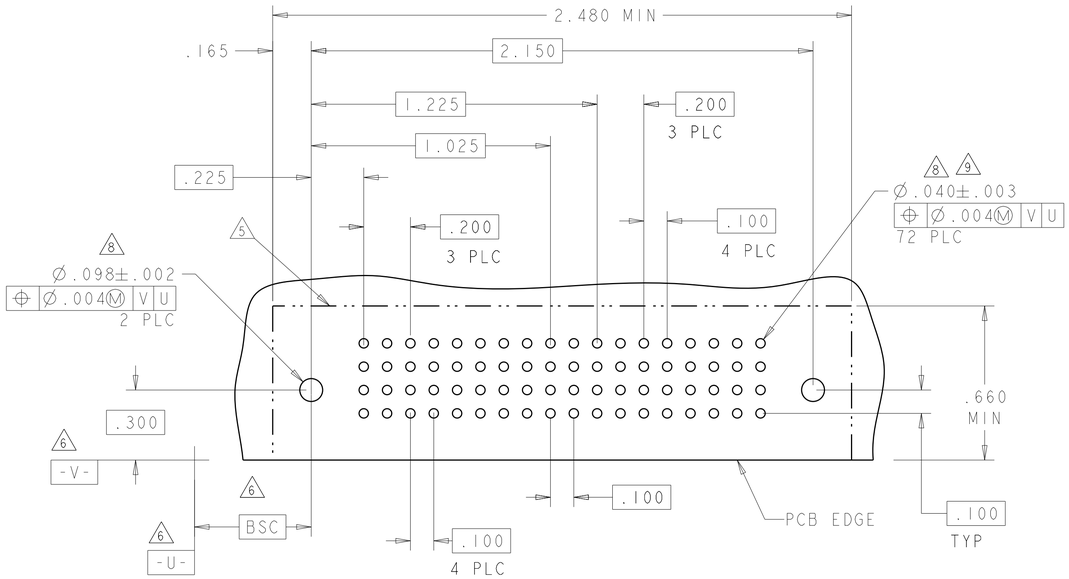
CONTACTS NOT LOADED



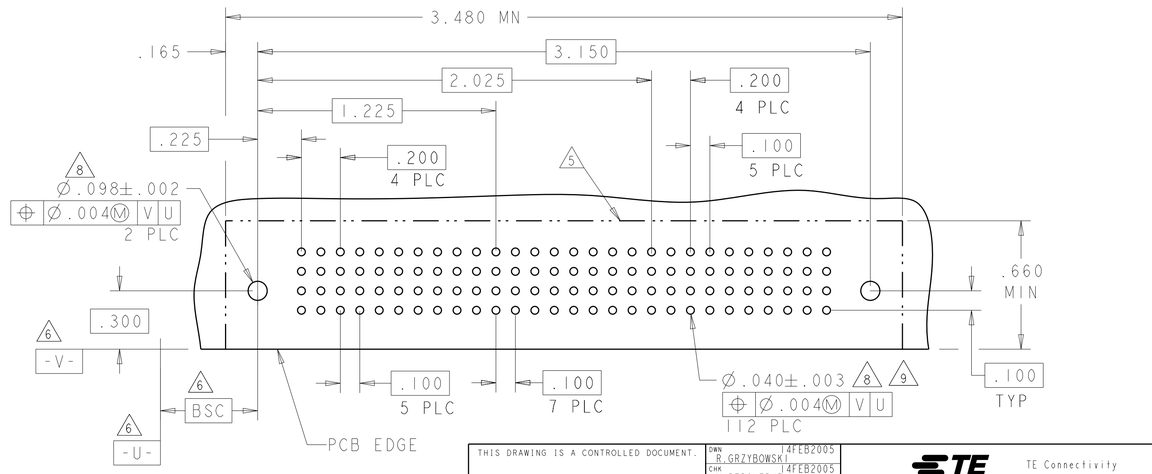
PART NUMBER	ROWS		POWER			SIGNAL				POWER		
			P1	P2	P3	1	2	3	4	P4	P5	
4-6450130-3	D C B A	HD			PM	J K N S	J K N S	J K N H		PM	PM	HD
3ACP + 16S + 2P												



PART NUMBER	ROWS		POWER				SIGNAL			POWER				
			P1	P2	P3	P4	1	2		P5	P6	P7	P8	
4-6450130-0	D C B A	HD	PA	PA	PA	PA	Z Y R O	Z Y R O		PA	PA	PA	PA	HD
4P + 8S + 4P														



PART NUMBER	ROWS		POWER					SIGNAL								POWER					
			P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	P6	P7	P8	P9	P10	
4-6450130-5	D C B A	HD	PM	PM	PM	PM	PM	J K N H	J K N H	J K N H	J K N H	J K N H	J K N H	J K N H	J K N H	PM	PM	PM	PM	PM	HD
5P + 32S + 5P																					



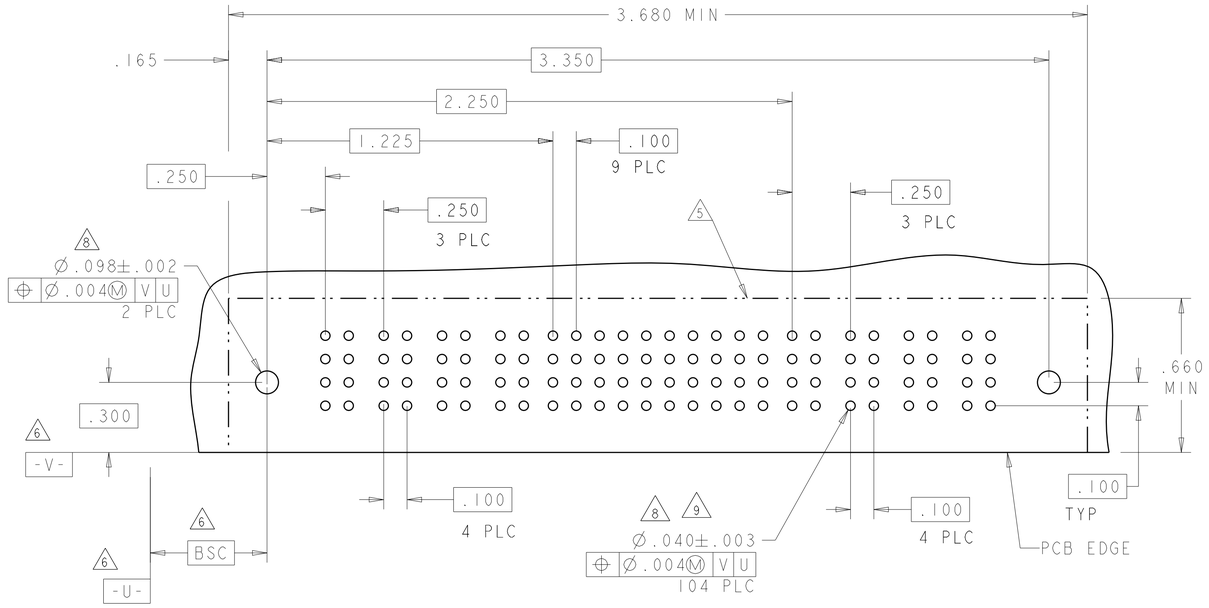
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 14FEB2005	TE Connectivity	
DIMENSIONS: INCHES	CHK M.PERCHERKE 14FEB2005	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL -	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	APVD M.PERCHERKE 14FEB2005	PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	
MATERIAL - -	FINISH - -	WEIGHT -	SIZE A1 CAGE CODE 00779 DRAWING NO C-6450130 RESTRICTED TO -
		Customer Drawing	SCALE 4:1 SHEET 10 OF 28 REV M2

LOC	DIST
ES	00

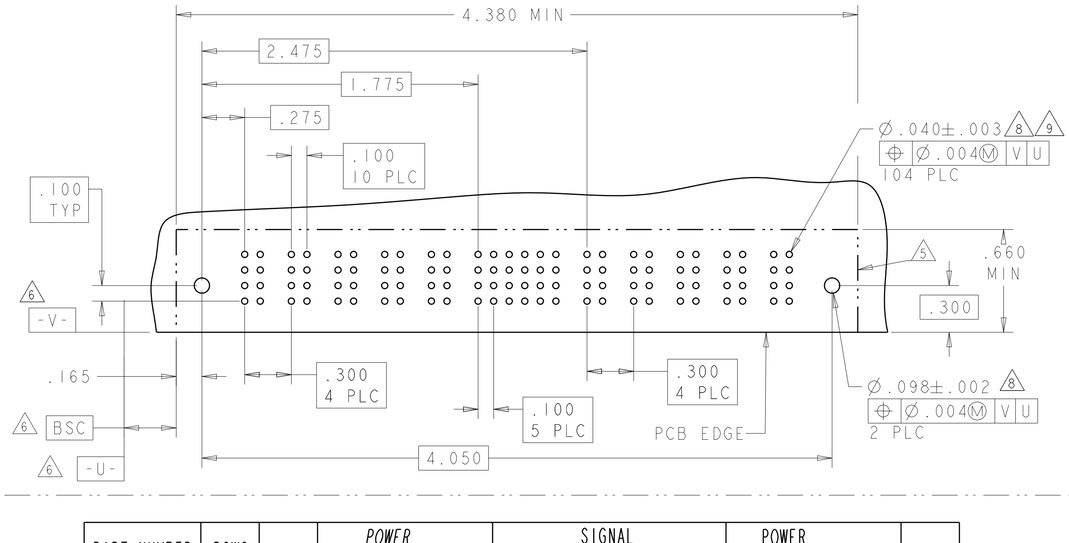
REVISIONS

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

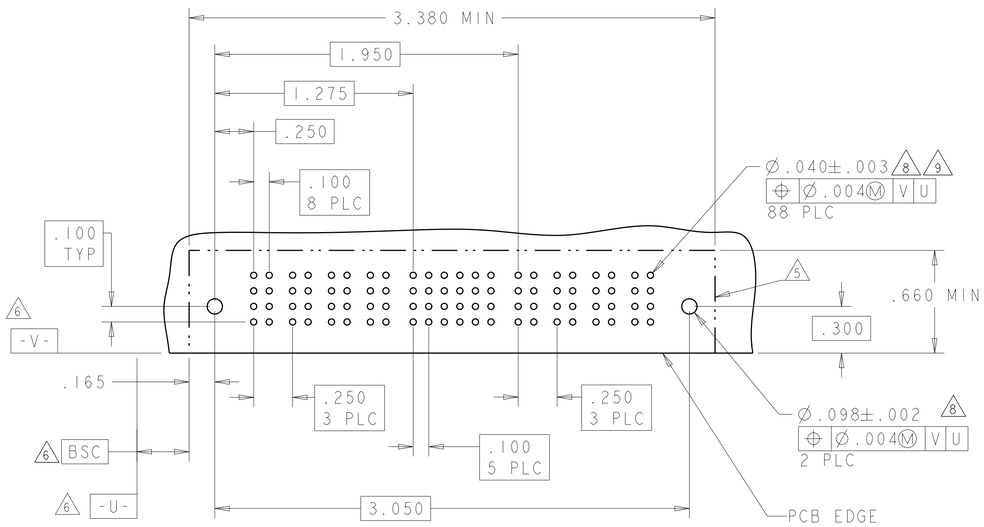
PART NUMBER	ROWS		POWER				SIGNAL										POWER			
			P1	P2	P3	P4	1	2	3	4	5	6	7	8	9	10	P5	P6	P7	P8
4-6450130-8	D C B A	HD	PM	PM	PM	PM	J K N H	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N H	PM	PM	PM	PM
4P + 40S + 4P																				



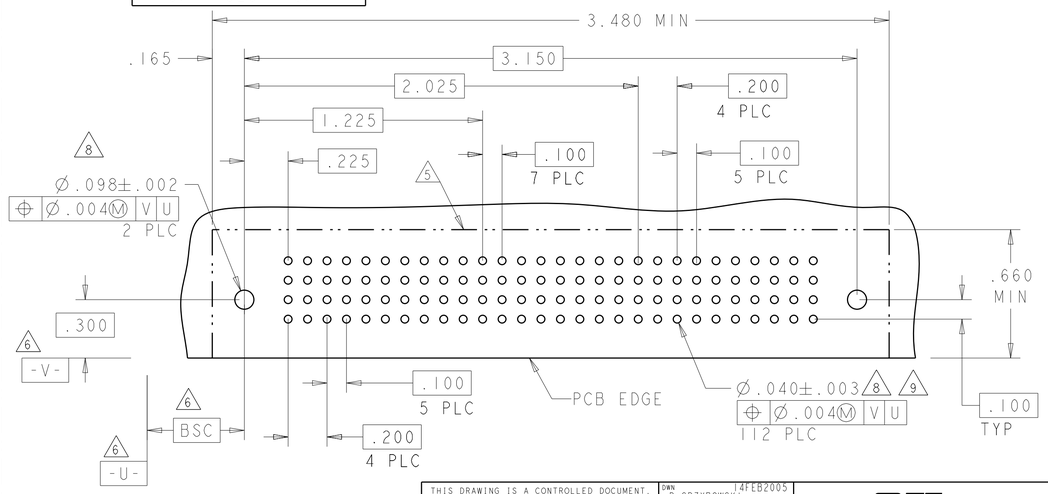
PART NUMBER	ROWS		POWER					SIGNAL						POWER				
			P1	P2	P3	P4	P5	1	2	3	4	5	6	P6	P7	P8	P9	P10
5-6450130-0	D C B A	HD	PM	PM	PM	PM	PM	J K N H	J K N H	J K N H	J K N H	J K N H	J K N H	PM	PM	PM	PM	PM
5ACP + 24S + 5ACP																		



PART NUMBER	ROWS		POWER					SIGNAL								POWER				
			P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	P6	P7	P8	P9	P10
4-6450130-9	D C B A	HD	PM	PM	PM	PM	PM	J K N H	J K N H	J K N H	J K N H	J K N H	J K N H			PM	PM	PM	PM	PM
4P + 24S + 4P																				



PART NUMBER	ROWS		POWER					SIGNAL								POWER				
			P1	P2	P3	P4	P5	1	2	3	4	5	6	7	8	P6	P7	P8	P9	P10
5-6450130-5	D C B A	HD	PM	PM	PM	PM	PM	J K N H	J K N H	J K N H	J K N H	J K N H	J K N H	J K N H	J K N H	PM	PM	PM	PM	PM
5P + 32S + 5P																				



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	14FEB2005
CHK	M.PERCHERKE	14FEB2005
APVD	M.PERCHERKE	14FEB2005
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing | SCALE 4:1 | SHEET 11 OF 28 | REV M2

4805 (3/11)

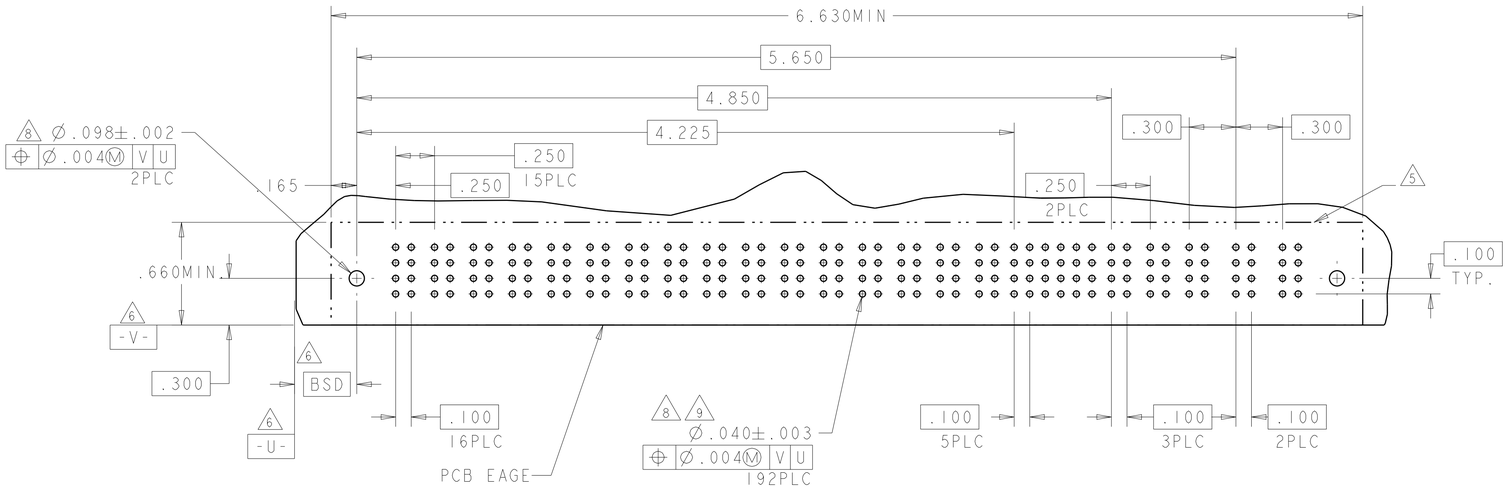
LOC	DIST
ES	00

REVISIONS

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

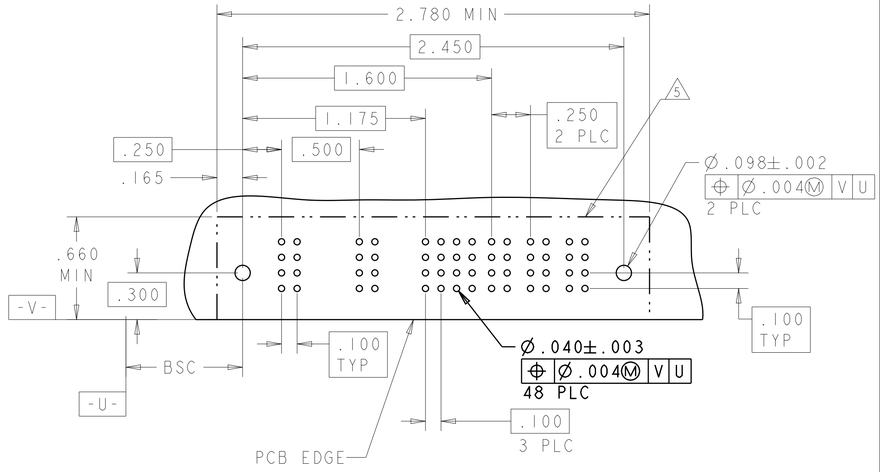
PART NUMBER	ROWS	POWER																SIGNAL						POWER				
		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	1	2	3	4	5	6	P17	P18	P19	P20	P21
7-6450130-4	D C B A	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	E K N S	J K N S	J K N S	J K N S	J K N S	J K N S	PM	PM	PM	PM	PM
16P + 24S + 2P+ 3ACP		HD																						HD				

△1 .250 2PLC — .300 2PLC △1

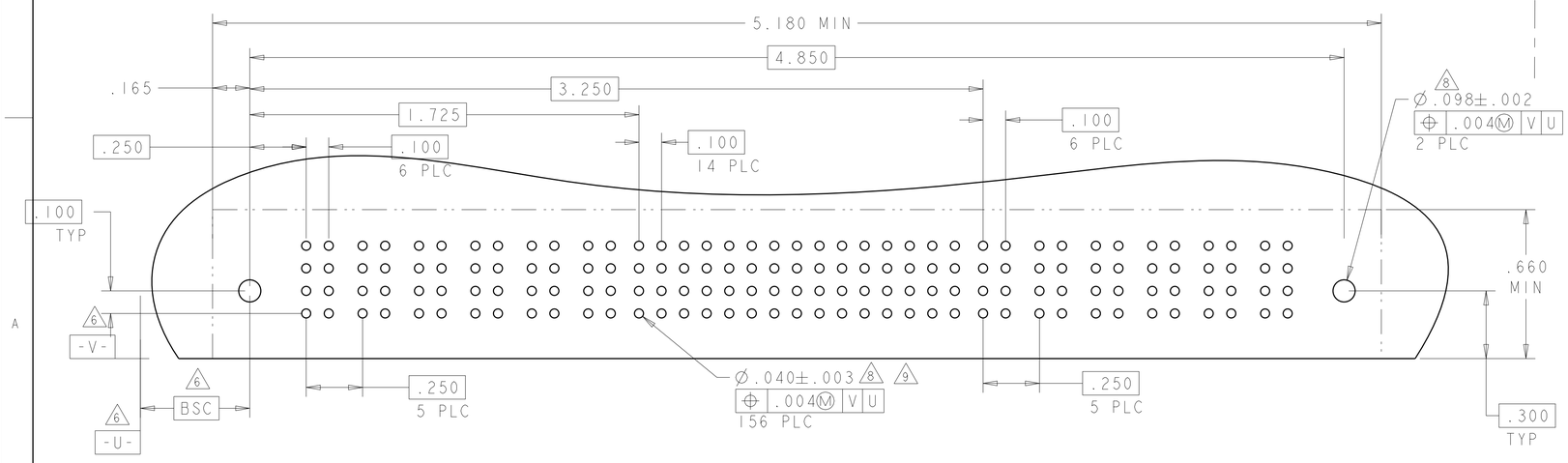


PART NUMBER	ROWS	POWER			SIGNAL						POWER		
		P1	P2	P3	1	2	3	4	5	6	P4	P5	P6
7-6450130-5	D C B A	PM		PM			J K N S	J K N S	J K N S	J K N S	PM	PM	PM
3P + 24S + 3P		HD											HD

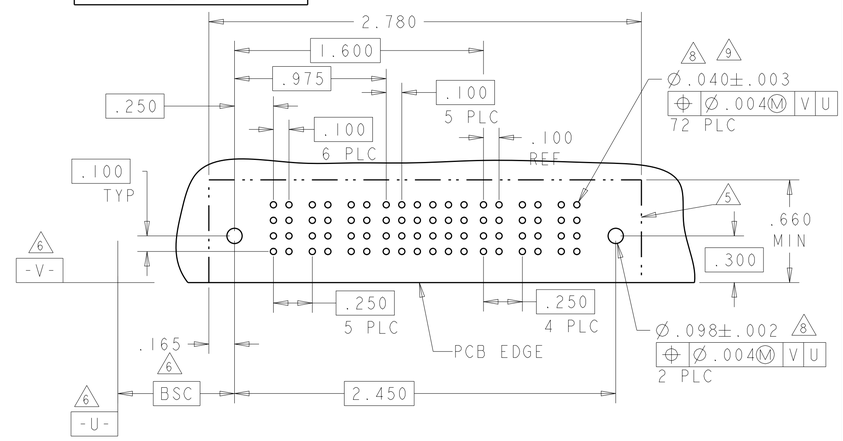
NO CONTACTS LOADED



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	14	15	P7	P8	P9	P10	P11	P12
7-6450130-7	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	J K N S	J K N S	PM	PM	PM	PM	PM	PM
6P + 60S + 6P		HD																										HD



PART NUMBER	ROWS	POWER			SIGNAL						POWER		
		P1	P2	P3	1	2	3	4	5	6	P4	P5	P6
7-6450130-8	D C B A	PM	PM	PM	J K N H	J K N S	J K N S	J K N S	J K N S	E K N S	PM	PM	PM
3P + 24S + 3P		HD											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 R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

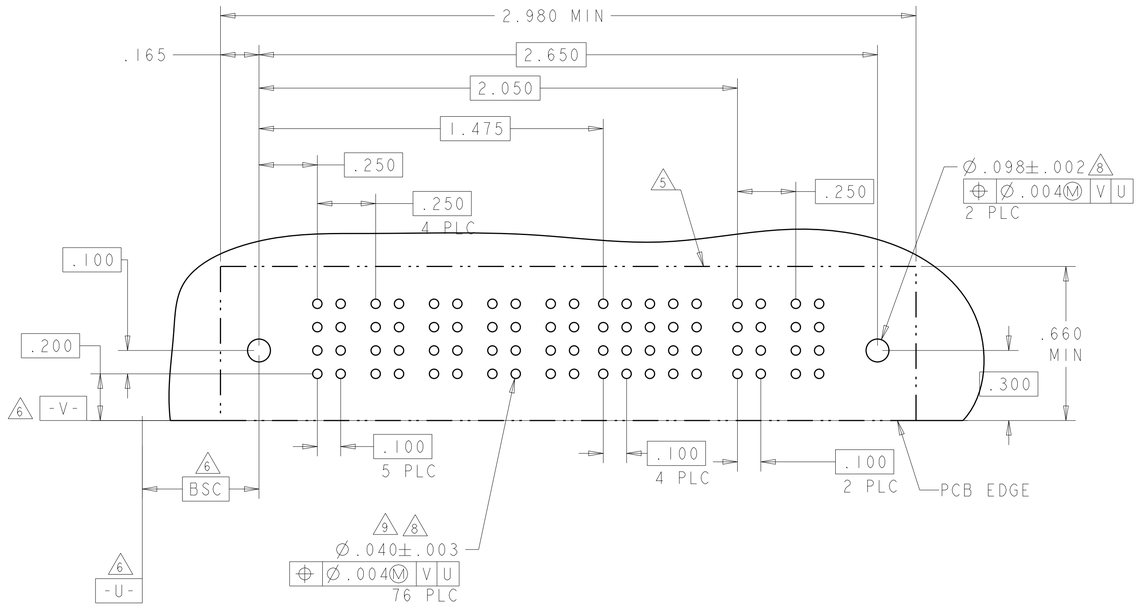
SCALE	SHEET	OF	REV
4:1	12	28	M2

LOC	DIST
ES	00

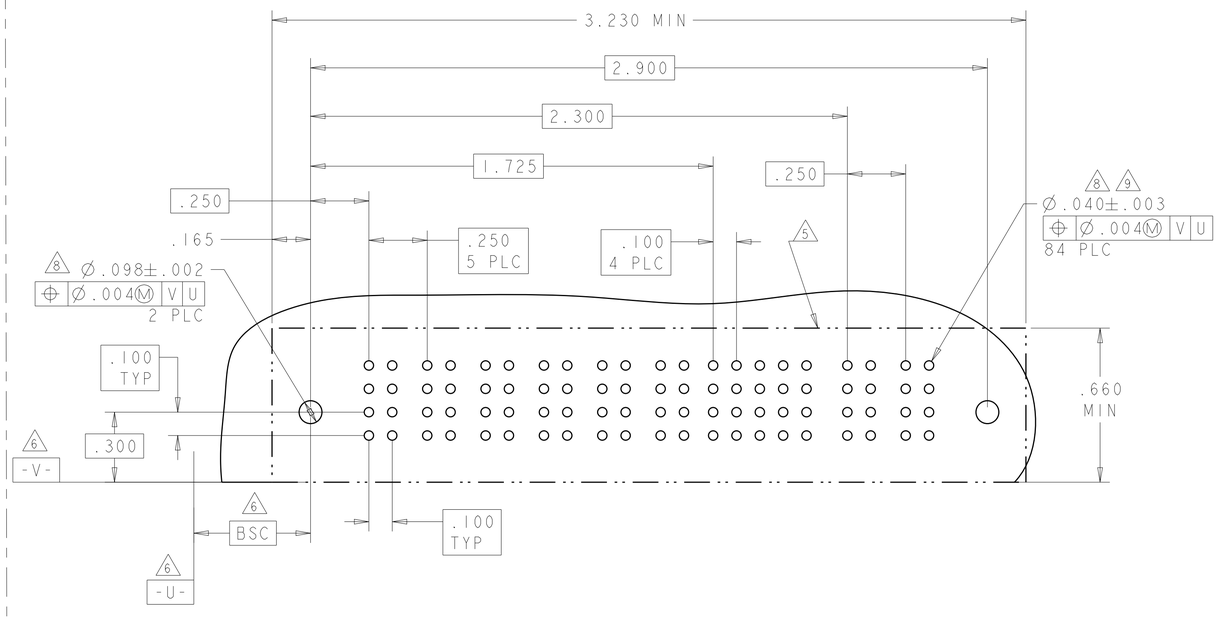
REVISIONS

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	P6	P7
7-6450130-9	D C B A	PM	PM	PM	PM	PM	J K N S	J K G S	J K N S	J K N S	J K N S	PM	PM
5P + 20S + 2P		HD											HD

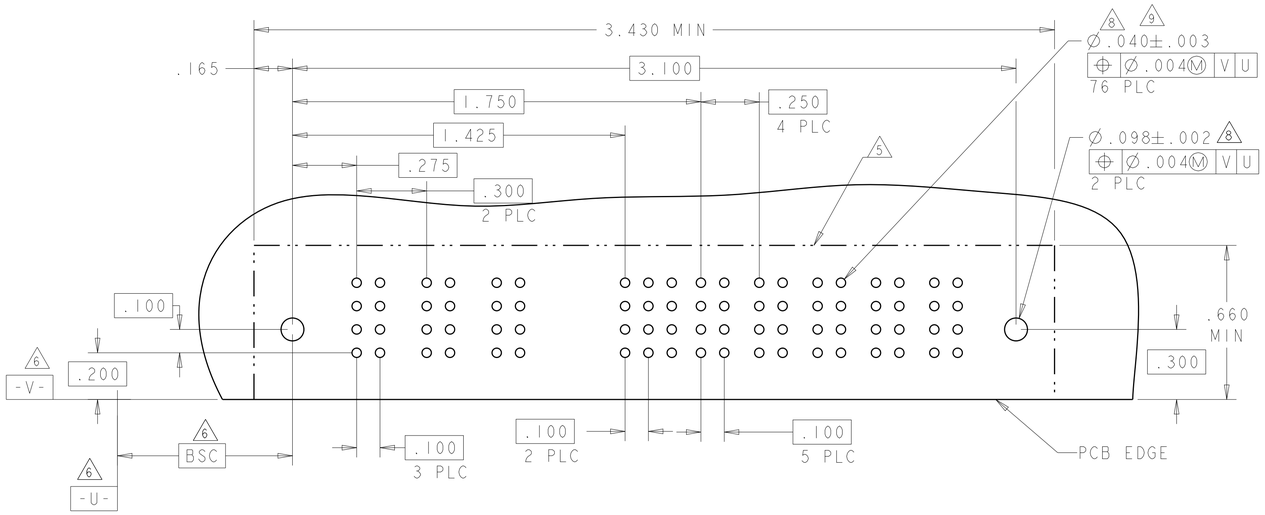


PART NUMBER	ROWS	POWER						SIGNAL					POWER	
		P1	P2	P3	P4	P5	P6	1	2	3	4	5	P7	P8
8-6450130-0	D C B A	PM	PM	PM	PM	PM	PM	J K N S	J K G S	J K N S	J K N S	J K N S	PM	PM
6P + 20S + 2P		HD												HD

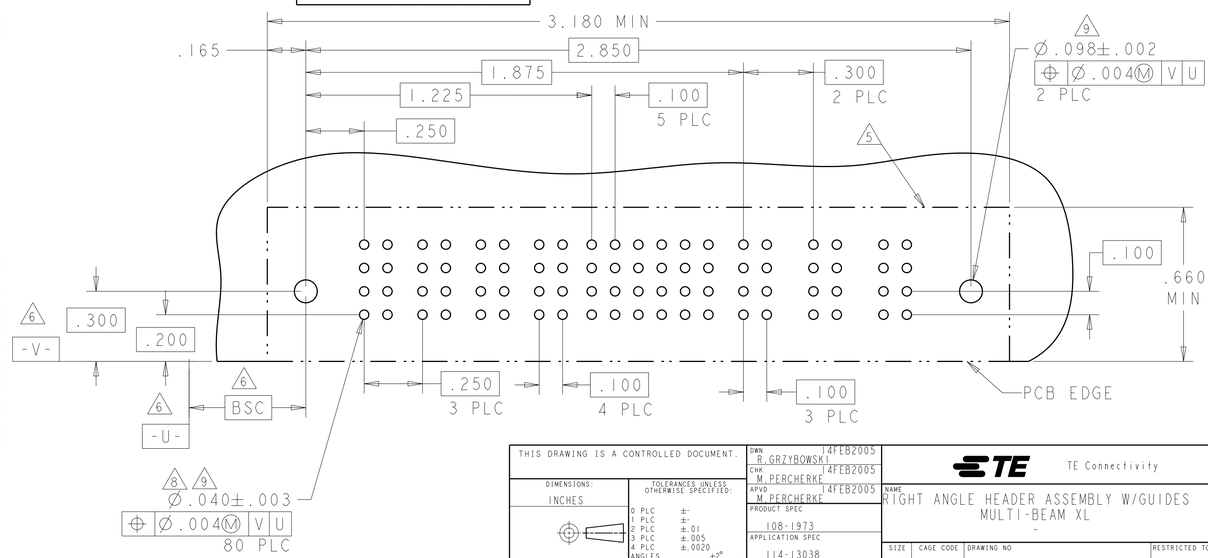


PART NUMBER	ROWS	POWER				SIGNAL						POWER		
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7
7-6450130-6	D C B A	PM	PM	PM					J K N S	J K N S	J K N S	PM	PM	PM
3ACP + 24S + 5P		HD												HD

NO CONTACTS LOADER



PART NUMBER	ROWS	POWER				SIGNAL						POWER		
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7
8-6450130-2	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 H	PM	PM	PM
4P + 24S + 3ACP		HD												HD



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 14FEB2005	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 14FEB2005	
		APVD M.PERCHERKE 14FEB2005	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL -
MATERIAL - -	FINISH - -	PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	SIZE A1 CAGE CODE 00779 DRAWING NO C-6450130 RESTRICTED TO -
		WEIGHT -	Customer Drawing SCALE 4:1 SHEET 13 OF 28 REV M2

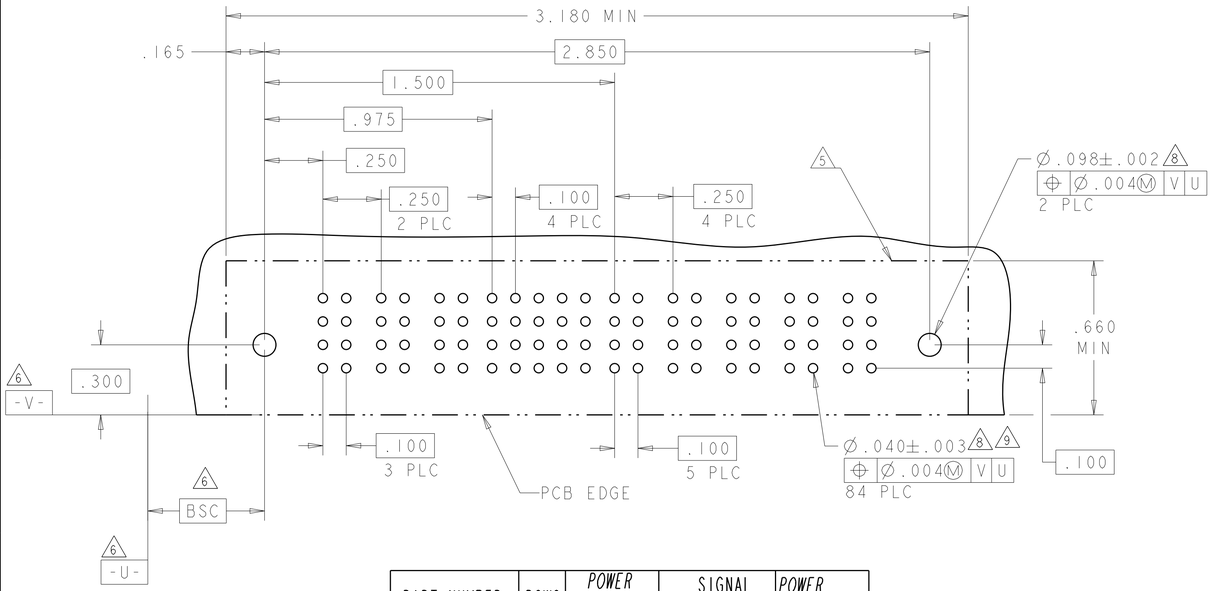
LOC	DIST
ES	00

REVISIONS

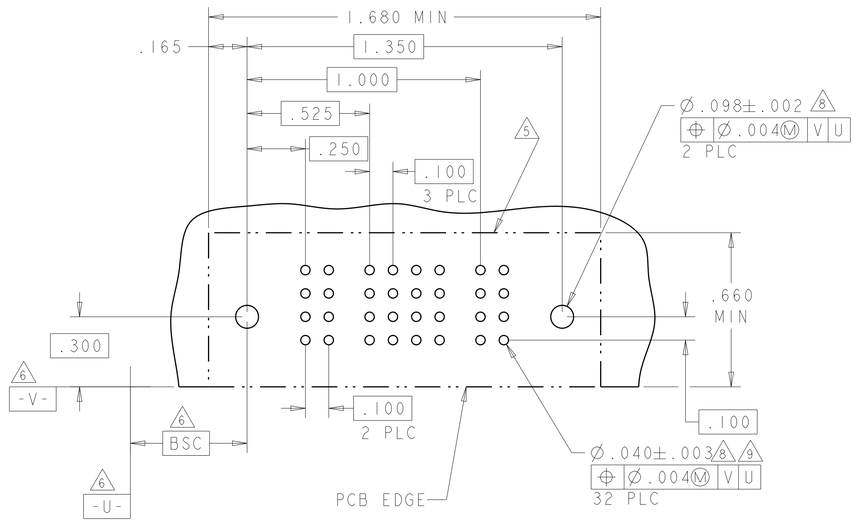
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER			SIGNAL					POWER				
			P1	P2	P3	1	2	3	4	5	P4	P5	P6	P7	P8
8-6450130-4	D C B A	HD	PM		PM	J K N S	J K N S	J K N S		J K N H	PM	PM		PM	PM
3P + 20S + 5P															HD

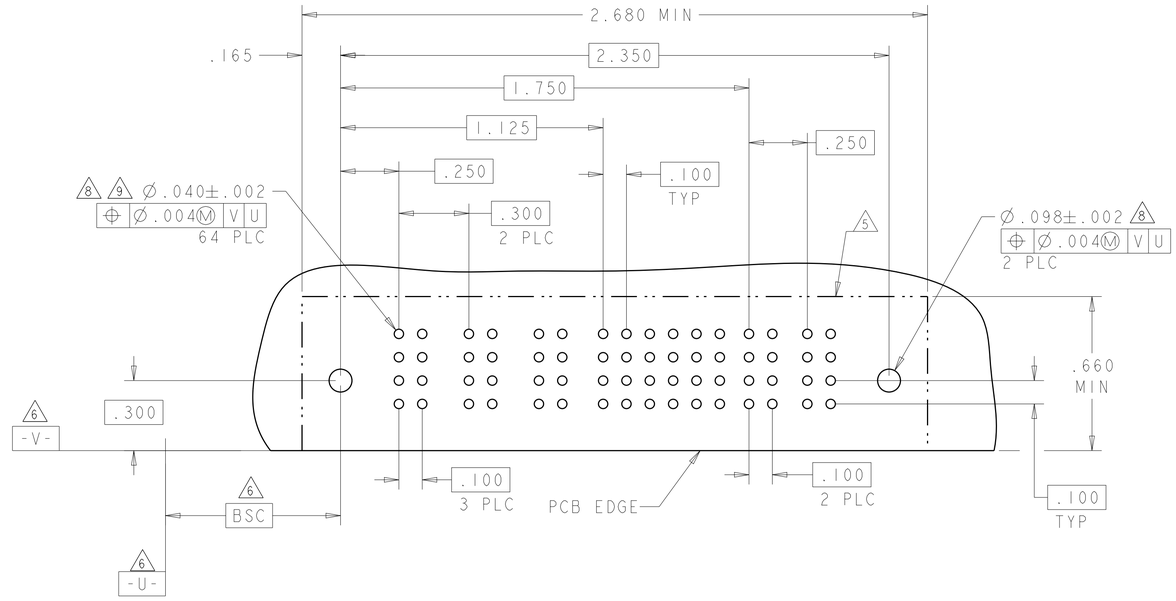
NO CONTACTS LOADED



PART NUMBER	ROWS		POWER		SIGNAL				POWER				
			P1	1	2	3	4	P2					
8-6450130-5	D C B A	HD	PM	J K N S	E K N S	J K N S	E K N S	PM					HD
IP + 16S + IP													



PART NUMBER	ROWS		POWER		SIGNAL						POWER	
			P1	P2	P3	1	2	3	4	5	6	P4	P5
5-6450130-1	D C B A	HD	PM	PM	PM	J K N S	J K N S	E K N S	J K G S	J K N S	J K N S	PM	PM
3ACP + 24S + 2P													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	14FEB2005
CHK	M PERCHERKE	14FEB2005
APVD	M PERCHERKE	14FEB2005
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

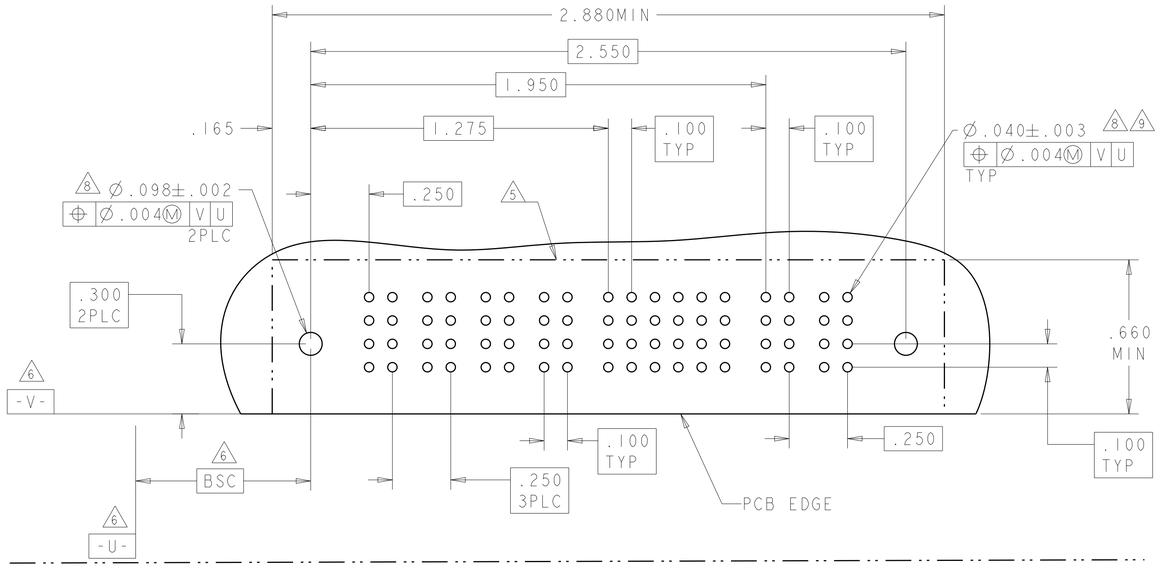
Customer Drawing | SCALE 4:1 | SHEET 14 OF 28 | REV M2

LOC	DIST
ES	00

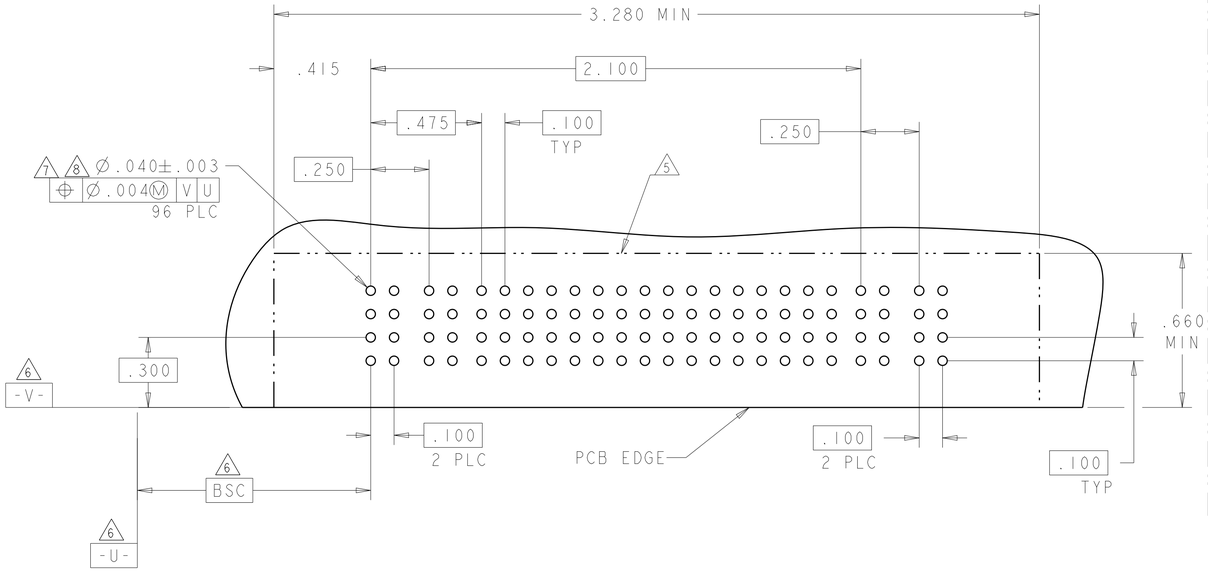
REVISIONS

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

PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	POWER P4	SIGNAL 1	2	3	4	5	6	POWER P5	POWER P6
5-6450130-8	D	PM	PM	PM	PM	J	J	J	E	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		
4P + 24S + 2P		HD											HD



PART NUMBER	ROWS	POWER P1	POWER P2	SIGNAL 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	POWER P3	POWER P4
8-6450130-7	D	PA	PA	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	A4	PA	PA
	C			A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3		
	B			A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2	A2		
	A			A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	O	O		
2P + 64S + 2P																					

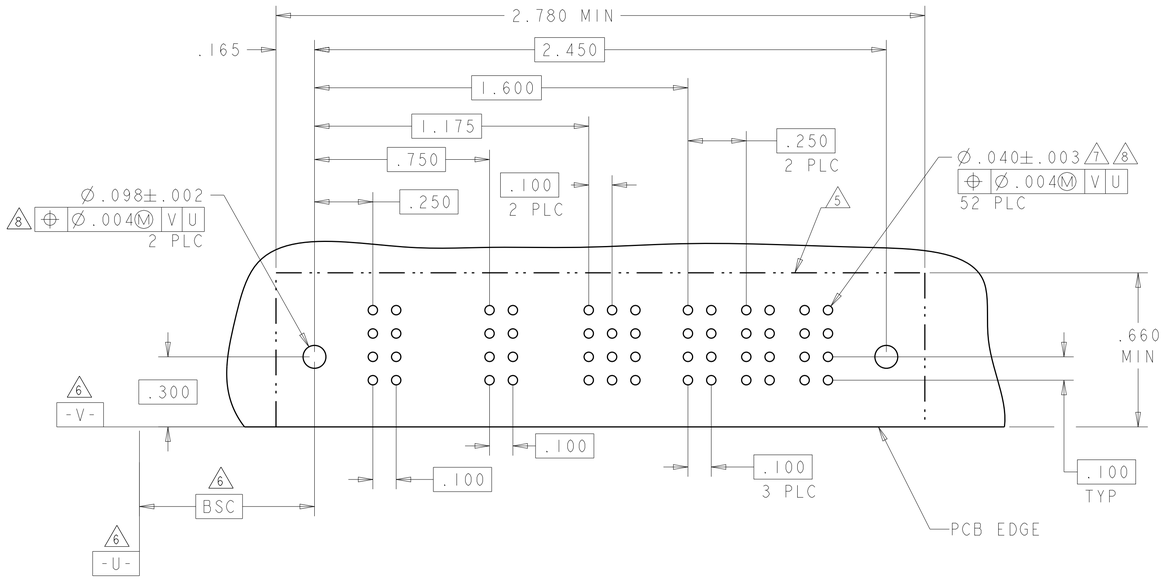


PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	SIGNAL 1	2	3	4	5	6	POWER P4	POWER P5	POWER P6
8-6450130-6	D	PM		PM			J	J	J		PM	PM	PM
	C						K	K	K				
	B						N	N	N				
	A						S	S	S				
3P + 24S + 3P		HD											HD

NO CONTACTS LOADED

PART NUMBER	ROWS	POWER P1	POWER P2	POWER P3	SIGNAL 1	2	3	4	5	6	POWER P4	POWER P5	POWER P6
9-6450130-0	D	PM		PM			E	E	E		PM	PM	PM
	C						F	F	F				
	B						G	G	G				
	A						H	H	H				
3P + 24S + 3P		HD											HD

NO CONTACT LOADED



8-6450130-6 AND 9-6450130-0 HAVE THE SAME PCB LAYOUT

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 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

PRODUCT SPEC 108-1973

APPLICATION SPEC 114-13038

WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

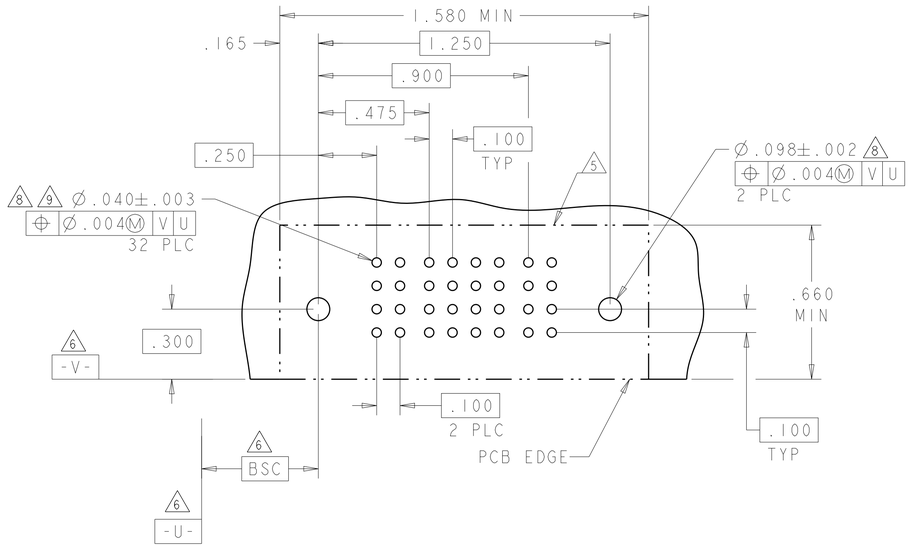
SCALE 4:1 SHEET 15 OF 28 REV M2

LOC	DIST
ES	00

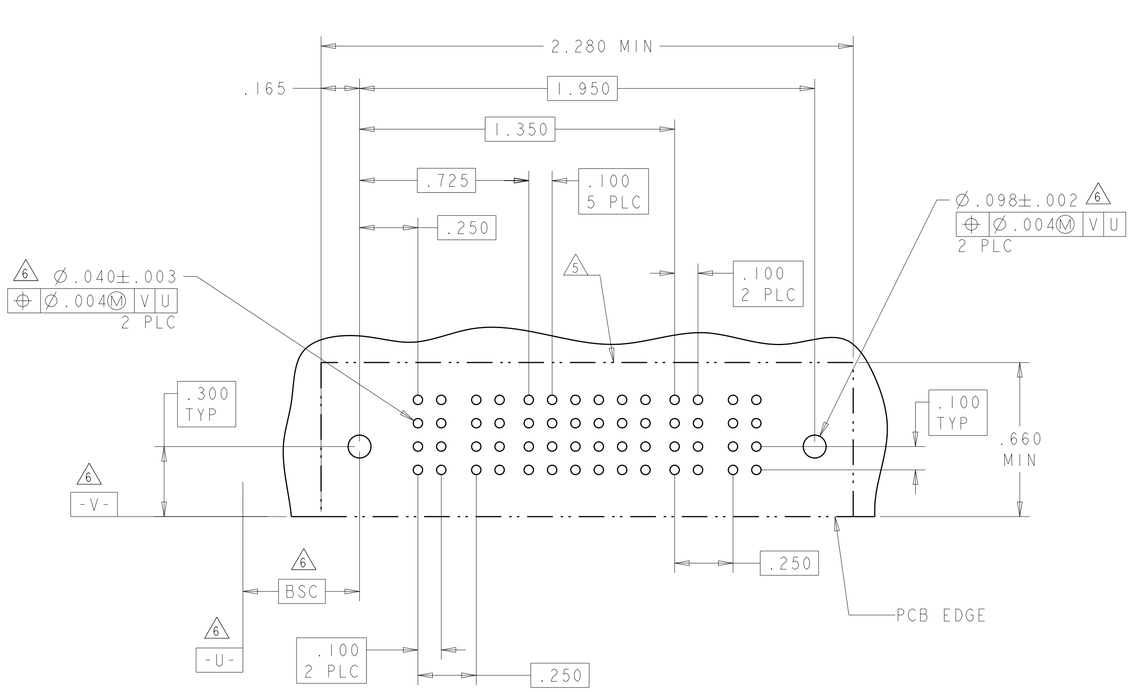
REVISIONS

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

PART NUMBER	ROWS	POWER P1	SIGNAL 1	2	3	4	POWER P2
8-6450130-9	D C B A	PM	J K N S	J K N S	J F G S	J K N S	PM
1P + 16S + 1P		HD					HD



PART NUMBER	ROWS	POWER P1	P2	SIGNAL 1	2	3	4	5	6	POWER P3	P4
2-6450130-9	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	J F N S	PM	PM
2P + 24S + 2P		HD									HD



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

MATERIAL - -

FINISH - -

DWN R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

PRODUCT SPEC 108-1973

APPLICATION SPEC 114-13038

WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

SCALE	SHEET	OF	REV
4:1	16	28	M2

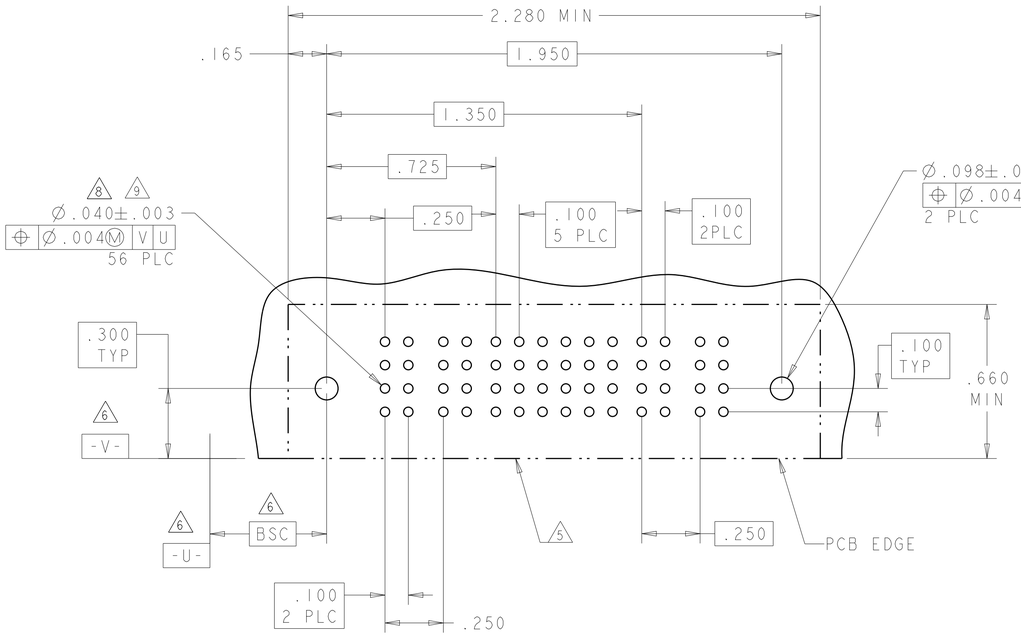
LOC	DIST
ES	00

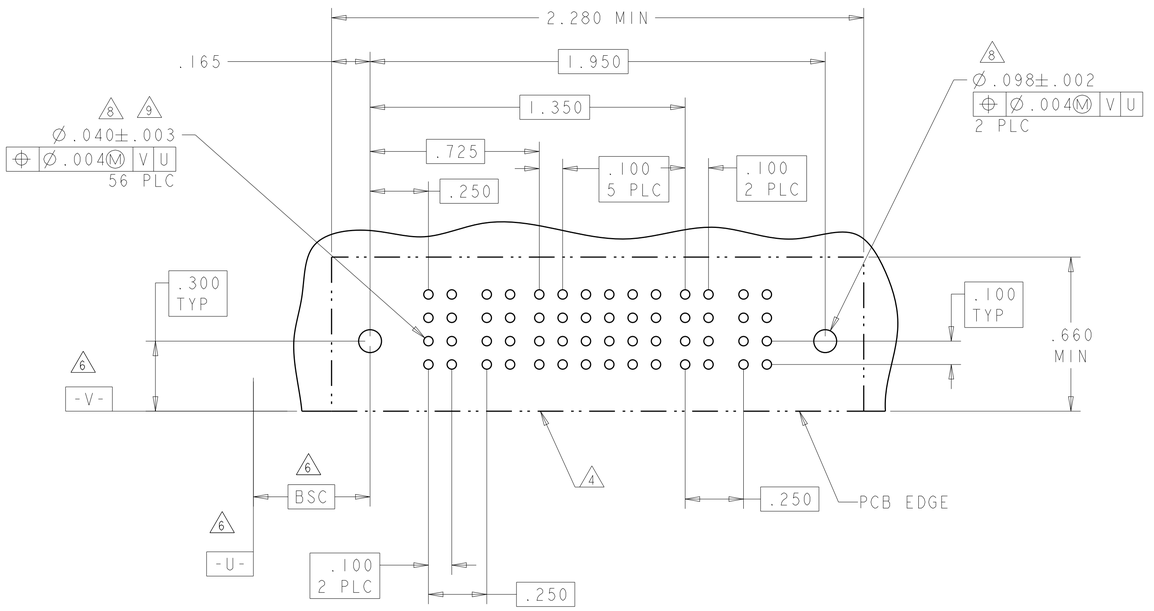
REVISIONS

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

PART NUMBER	ROWS	POWER P1	POWER P2	SIGNAL 1	2	3	4	5	6	POWER P3	POWER P4
4-6450130-2	D	PM	PM	J	J	J	J	J	E	PM	PM
	C			K	K	K	K	K	K		
	B			N	N	N	N	N	N		
	A			S	S	S	S	S	S		
	HD										HD
2P + 24S + 2P											

PART NUMBER	ROWS	POWER P1	POWER P2	SIGNAL 1	2	3	4	5	6	POWER P3	POWER P4
6-6450130-7	D	PM	PM	J	J	J	J	J	J	PM	PM
	C			K	K	K	K	K	K		
	B			N	N	N	G	N	N		
	A			S	S	S	S	S	S		
	HD										HD
2P + 24S + 2P											





PART NUMBER	ROWS	POWER P1	POWER P2	SIGNAL 1	2	3	4	5	6	POWER P3	POWER P4
8-6450130-8	D	PM	PM	E	E	E	E	E	E	PM	PM
	C			F	F	F	F	F	F		
	B			G	G	G	G	G	G		
	A			H	H	H	H	H	S		
	HD										HD
2P + 24S + 2P											

LAYOUT OF PART 8-6450130-8 IS SAME AS 6-6450130-7.

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 14FEB2005	TE Connectivity	
DIMENSIONS: INCHES	CHK M.PERCHERKE 14FEB2005	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES 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 14FEB2005	PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-6450130 · RESTRICTED TO -
MATERIAL - -	FINISH - -	WEIGHT -	Customer Drawing · SCALE 4:1 · SHEET 17 OF 28 · REV M2

LOC	DIST
ES	00

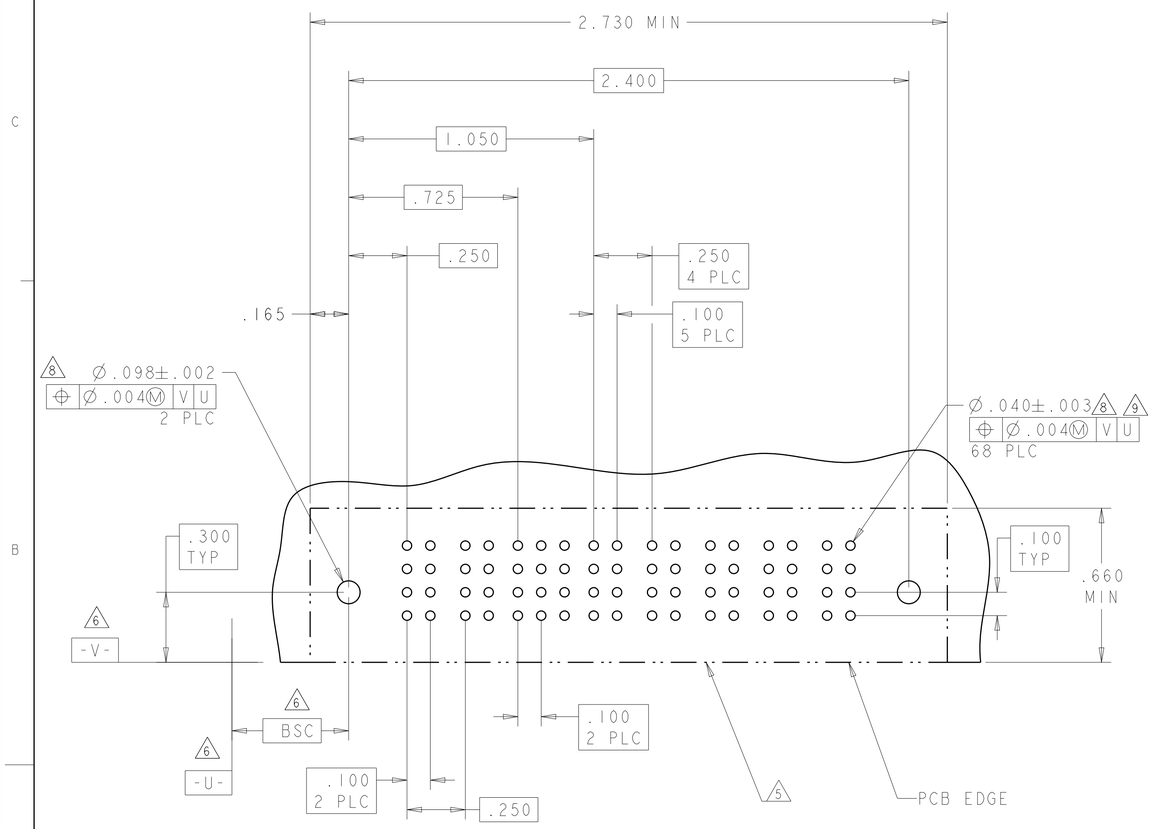
REVISIONS

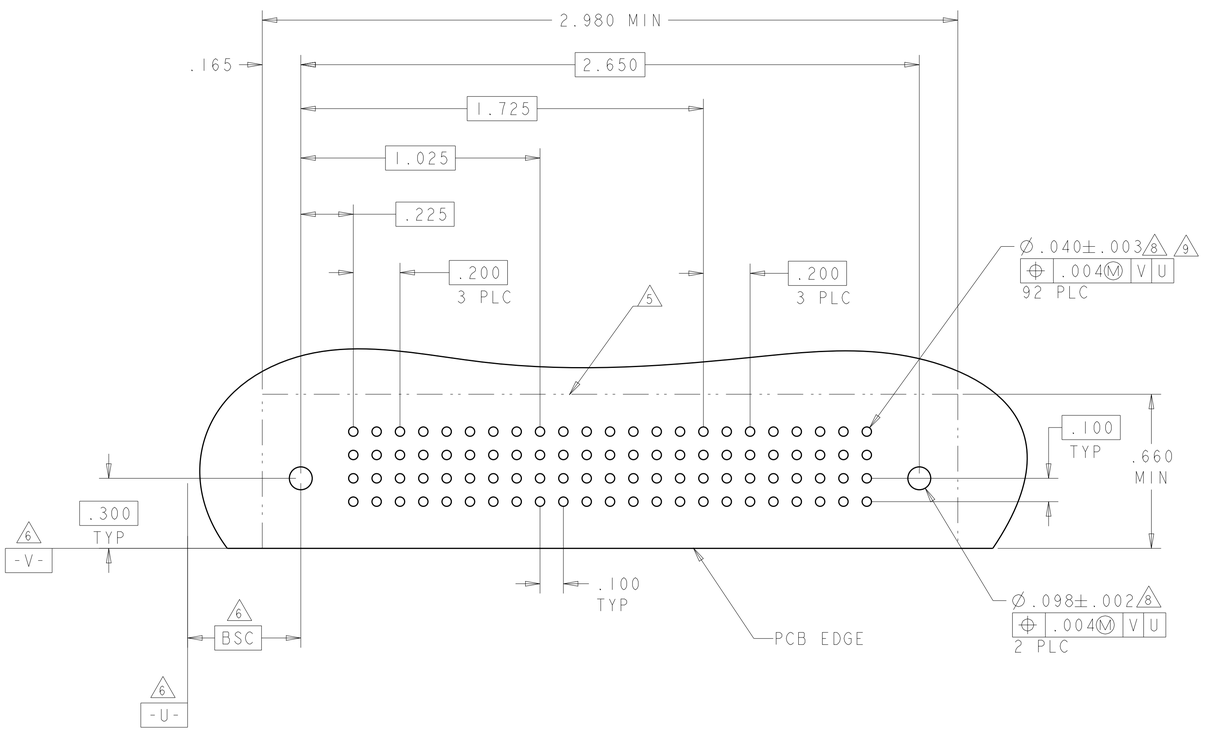
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS		POWER		SIGNAL			POWER				
			P1	P2	1	2	3	P3	P4	P5	P6	P7
9-6450130-2	D		PM	PM	J	J	J	PM	PM	PM	PM	PM
	C				K	K	K					
	B				N	N	N					
	A	HD			S	S	S					HD
2P + 12S + 5P												

K2

PART NUMBER	ROWS		POWER				SIGNAL							POWER				
			P1	P2	P3	P4	1	2	3	4	5	6	7	P5	P6	P7	P8	
2-6450130-4	D		PA	PA	PA	PA	A4	A4	A4	A4	A4	A4	A4	PA	PA	PA	PA	
	C						A3	A3	A3	A3	A3	A3	A3					
	B						A2	A2	A2	A2	A2	A2	A2					
	A	HD					A1	A1	A1	A1	A1	A1	A1					HD
4HDP + 28S + 4HDP																		





THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 14FEB2005	TE Connectivity	
	CHK M.PERCHERKE 14FEB2005		
DIMENSIONS: INCHES	APVD M.PERCHERKE 14FEB2005	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL -	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	PRODUCT SPEC 108-1973		
	APPLICATION SPEC 114-13038	SIZE A1	CAGE CODE 00779
MATERIAL - -	WEIGHT -	DRAWING NO C-6450130	RESTRICTED TO -
FINISH - -	Customer Drawing	SCALE 4:1 SHEET 18 OF 28	REV M2

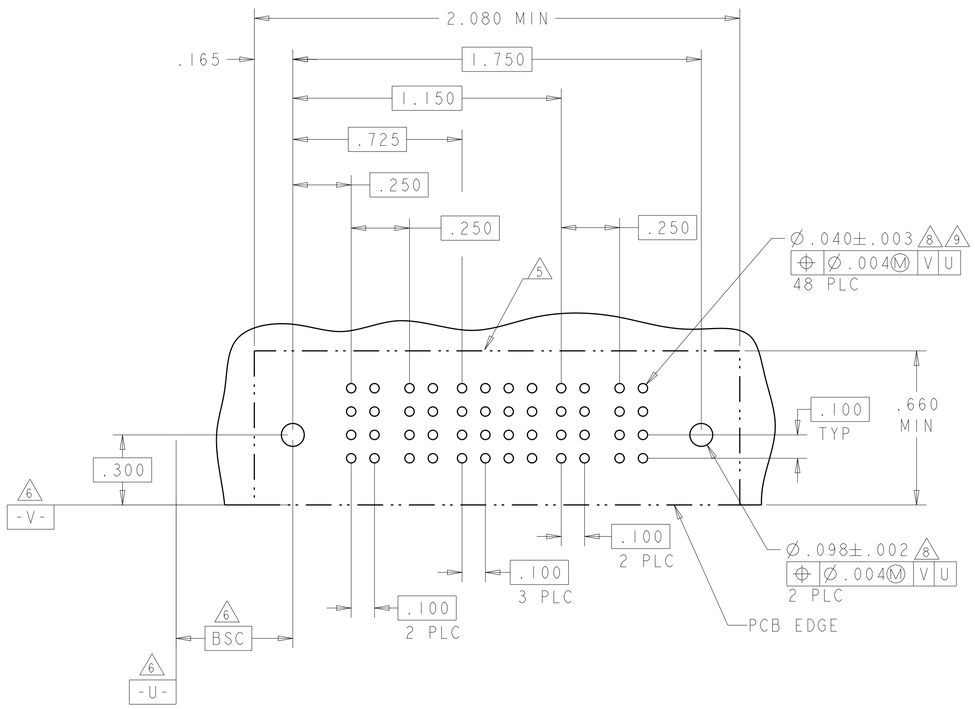
LOC	DIST
ES	00

REVISIONS

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

K5

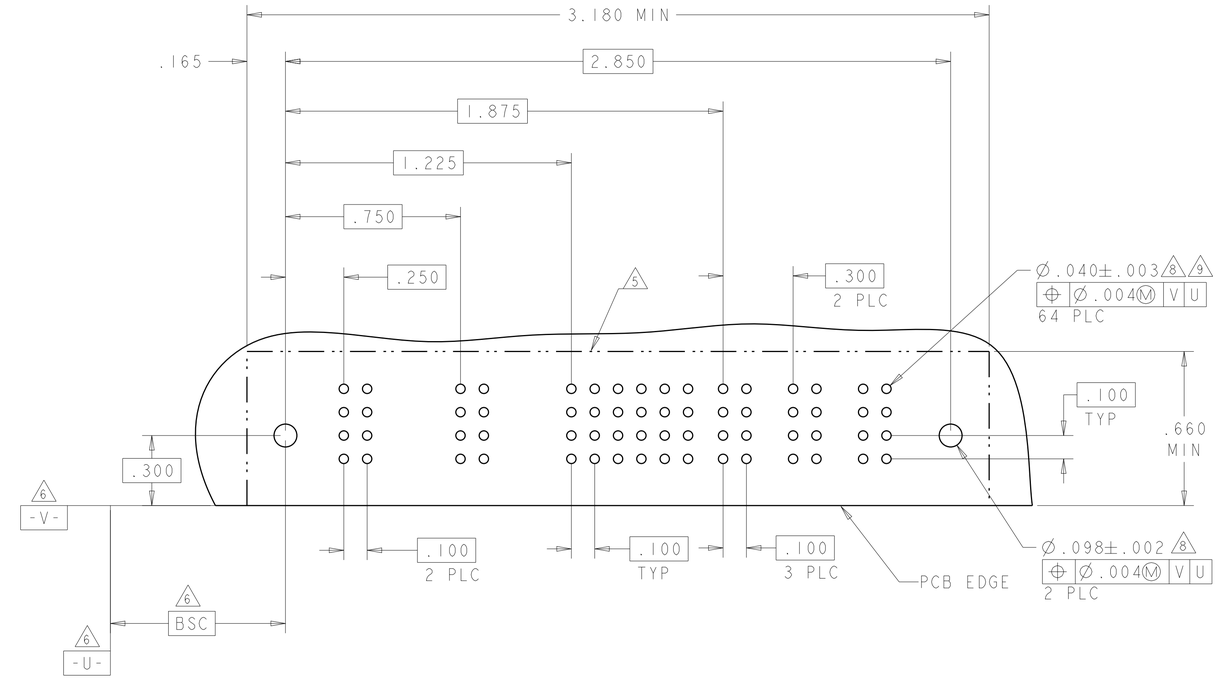
PART NUMBER	ROWS	POWER		SIGNAL				POWER	
		P1	P2	1	2	3	4	P3	P4
9-6450130-3	D C B A	PM	PM	E K N S	J K N S	J K N S	J K N S	PM	PM
2P + 16S + 2P		HD							HD



K6

PART NUMBER	ROWS	POWER				SIGNAL						POWER		
		P1	P2	P3	P4	1	2	3	4	5	6	P5	P6	P7
9-6450130-4	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	J K N (H)	PM	PM	PM
4P + 24S + 3ACP		HD												HD

NO CONTACT LOADED



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 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing | SCALE 4:1 | SHEET 19 OF 28 | REV M2

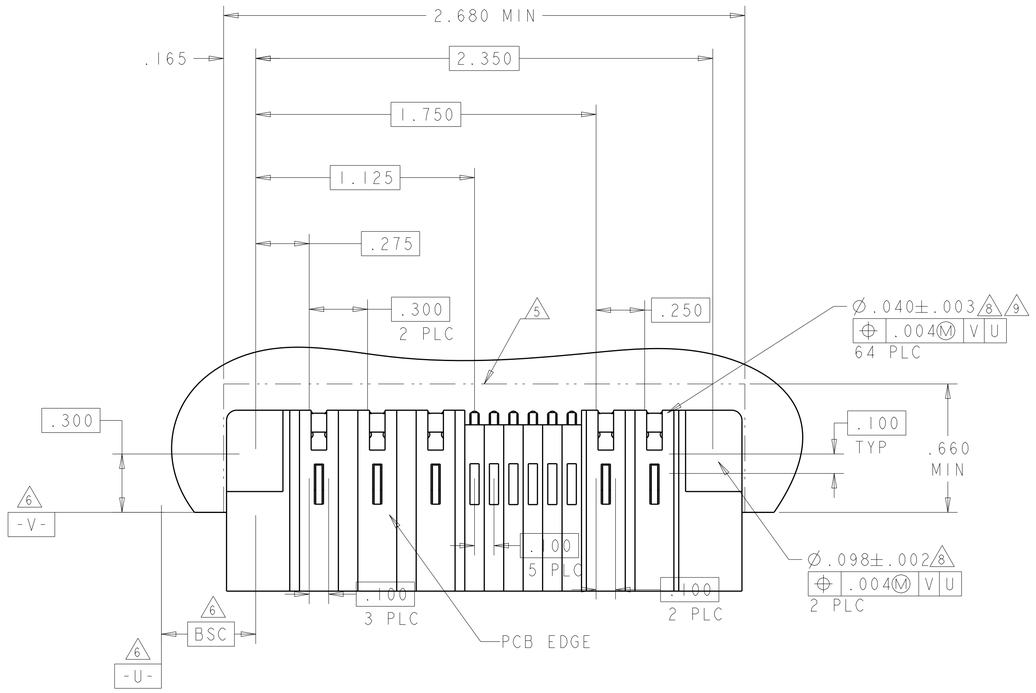
LOC	DIST
ES	00

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	P4	P5	
2-6450130-6	D		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
3ACP + 24S + 2P														

L1

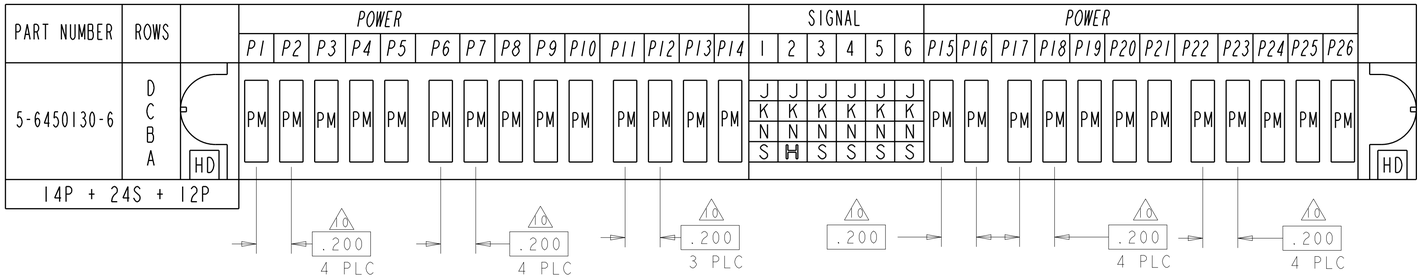


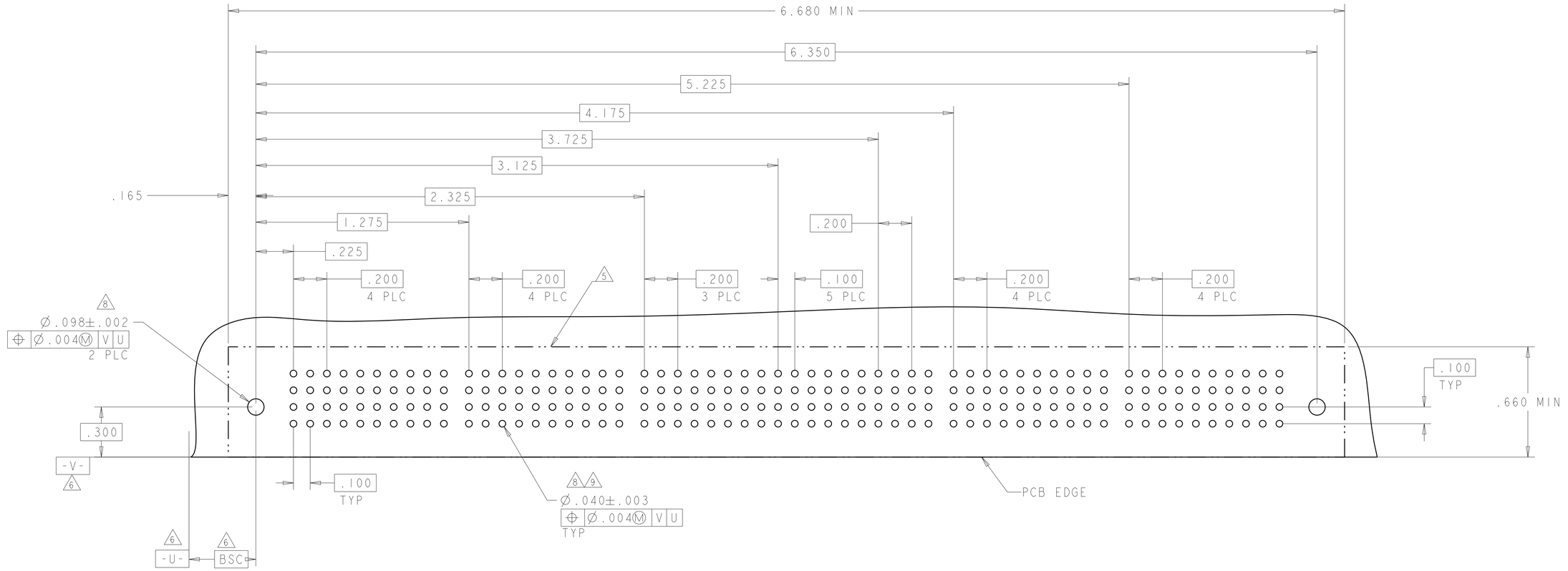
THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 14FEB2005	TE Connectivity	
	CHK M.PERCHERKE 14FEB2005		
DIMENSIONS: INCHES	APVD M.PERCHERKE 14FEB2005	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL -	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.0020 ANGLES ±2°	PRODUCT SPEC 108-1973		
	APPLICATION SPEC 114-13038	SIZE A1	CAGE CODE 00779
MATERIAL - -	WEIGHT -	DRAWING NO C-6450130	RESTRICTED TO -
FINISH - -	Customer Drawing	SCALE 4:1	SHEET 20 OF 28 REV M2

LOC	DIST
ES	00

REVISIONS

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





THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 14FEB2005	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 14FEB2005	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES MULTI-BEAM XL -
		APVD M.PERCHERKE 14FEB2005	
		PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-6450130 · RESTRICTED TO -
MATERIAL - -	FINISH - -	WEIGHT -	Customer Drawing · SCALE 4:1 · SHEET 21 OF 28 · REV M2

LOC	DIST
ES	00

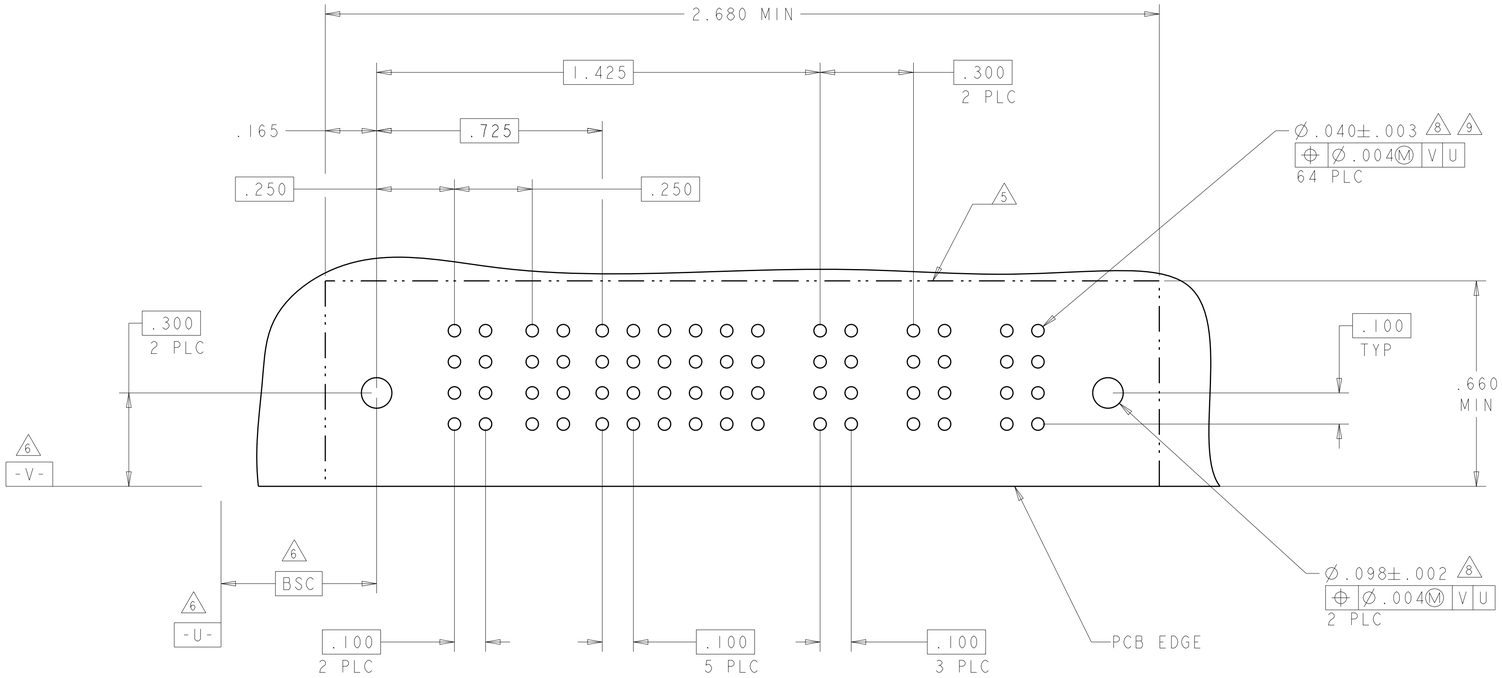
REVISIONS

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	POWER P5
9-6450130-5	D C B A	PM	PM	J K N S	J K N S	E K G S	J K N S	J K N S	J K N S	PM	PM	PM

HD HD

2P + 24S + 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 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

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

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

SCALE 4:1 SHEET 22 OF 28 REV M2

LOC	DIST
ES	00

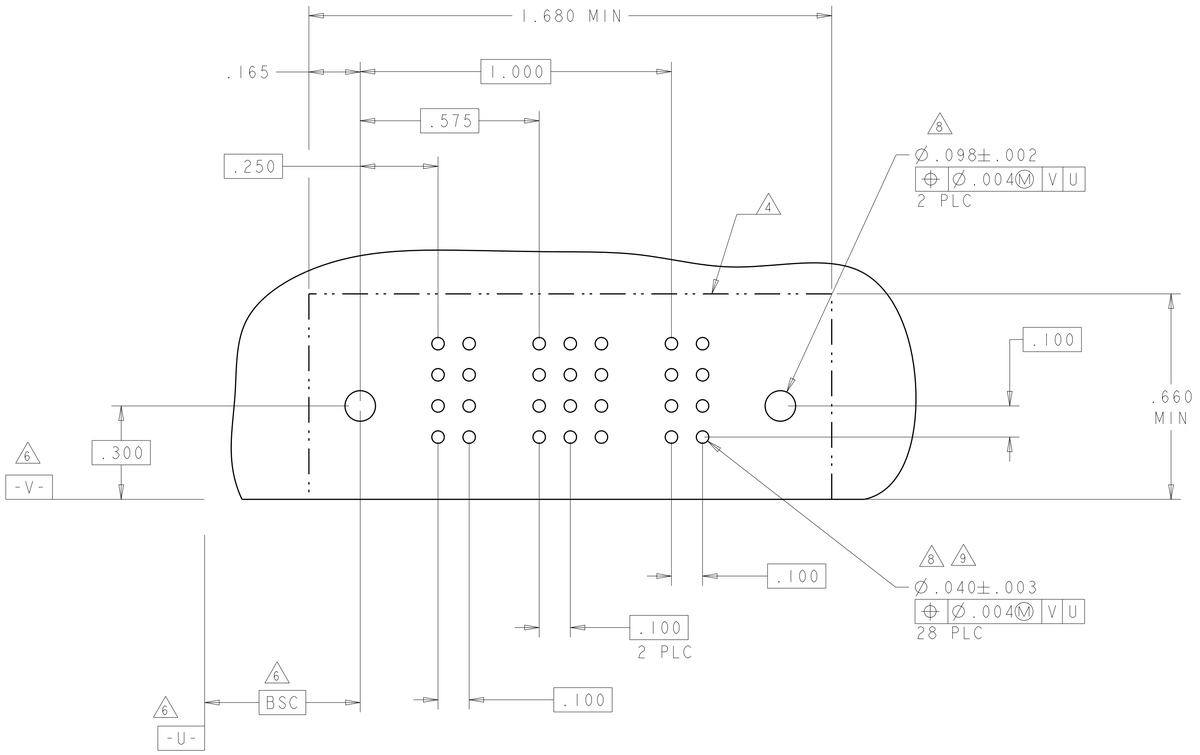
REVISIONS

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

PART NUMBER	ROWS	POWER P1	SIGNAL 1	2	3	4	5	POWER P2
9-6450130-6	D C B A	PM	E K N S	J K N S	J K N S			PM
1P + 20S + 1P		HD						HD

L3

NO CONTACTS LOADED



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 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

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

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

SCALE 4:1 SHEET 23 OF 28 REV M2

LOC	DIST
ES	00

REVISIONS

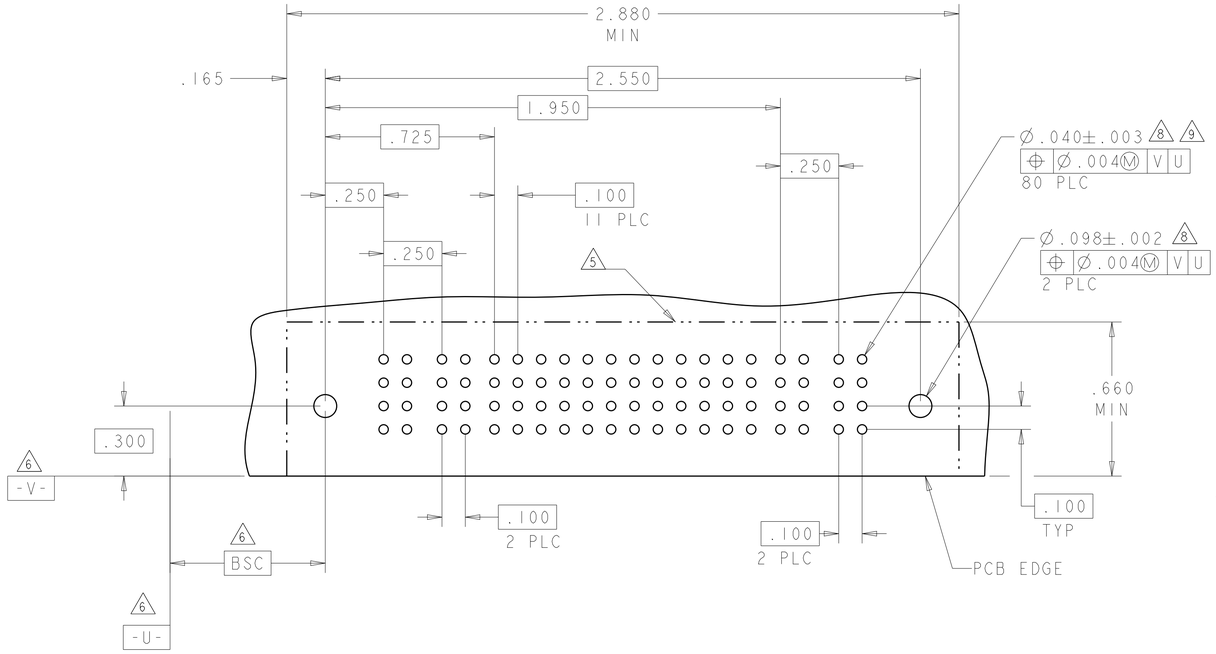
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

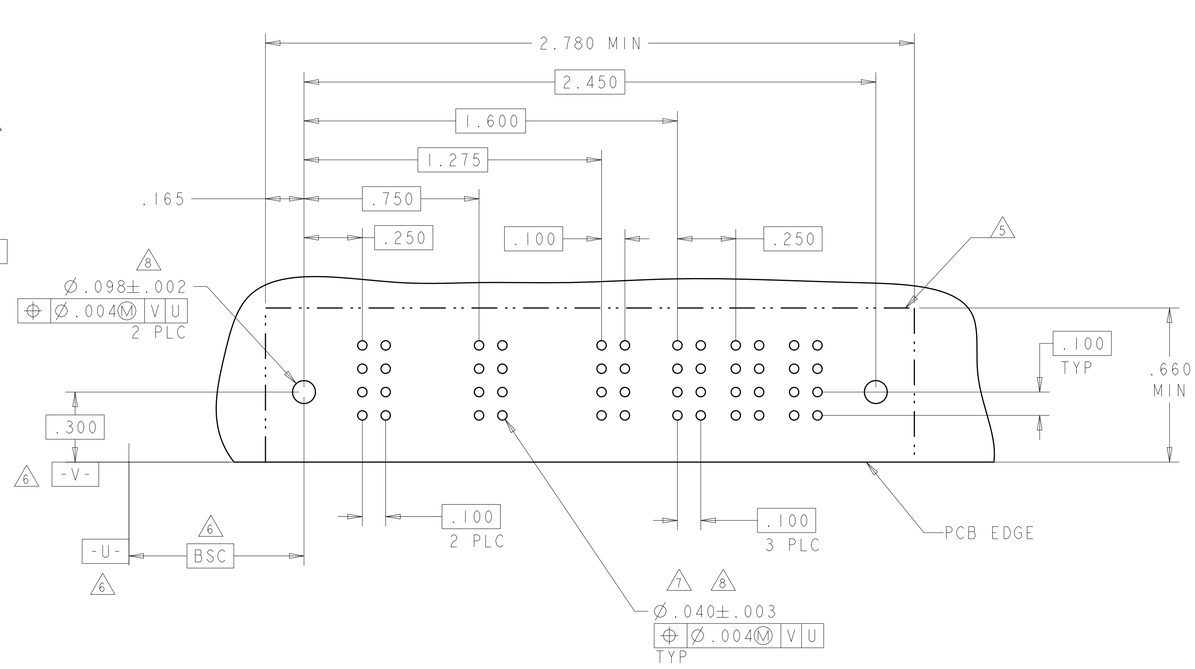
PART NUMBER	ROWS		POWER		SIGNAL												POWER	
			P1	P2	1	2	3	4	5	6	7	8	9	10	11	12	P3	P4
6-6450130-9	D C B A	HD	PM	PM	E K N H	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	J K N S	E K N H	PM	PM
2P + 48S + 2P																		

L5

PART NUMBER	ROWS		POWER			SIGNAL						POWER			
			P1	P2	P3	1	2	3	4	5	6	P4	P5	P6	
9-6450130-7	D C B A	HD	PM		PM				E F G H	E F G H		PM	PM	PM	HD
3P + 24S + 3P															

NO CONTACT LOADED





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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	R.GRZYBOWSKI	14FEB2005
CHK	M.PERCHERKE	14FEB2005
APVD	M.PERCHERKE	14FEB2005
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

SCALE 4:1 SHEET 24 OF 28 REV M2

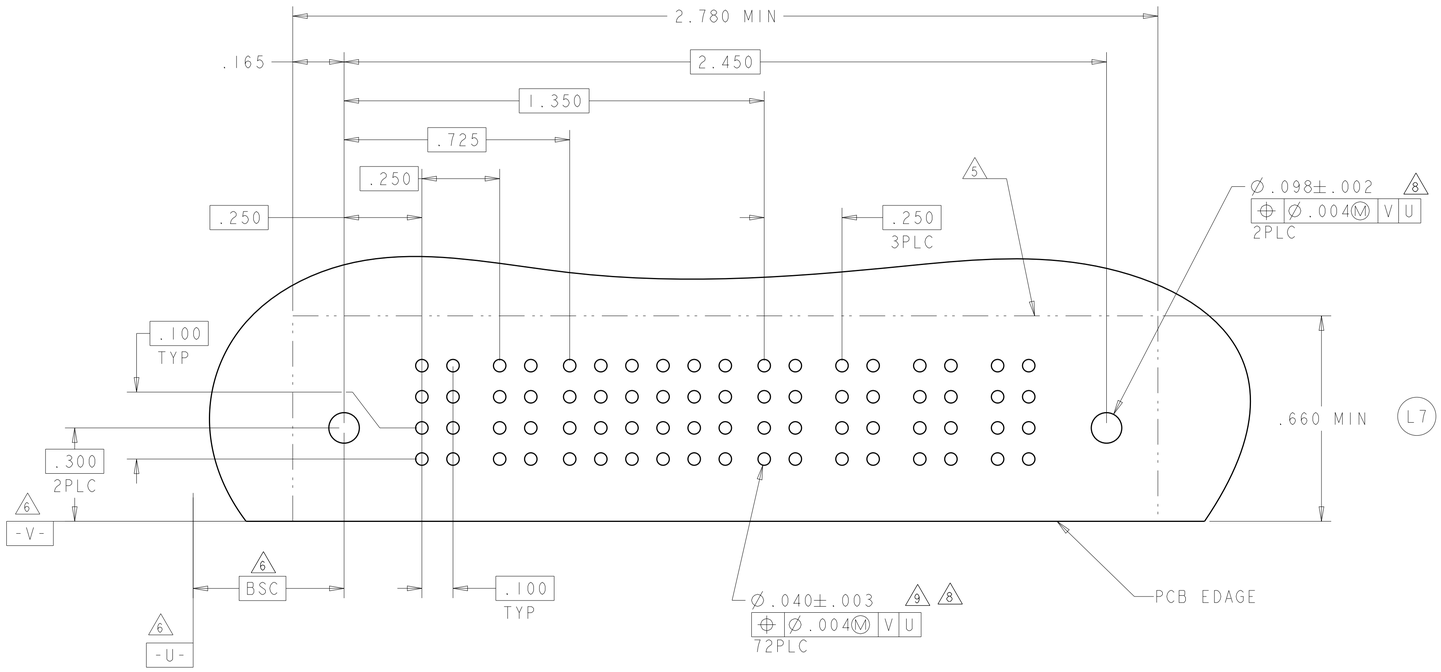
LOC	DIST
ES	00

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	
9-6450130-8	D C B A	HD	PM	PM	E F N S	J K N S	J K N S	J K N S	J K N S	E F N S	PM	PM	PM	PM	HD
2P + 24S + 4P															

L7



RECOMMENDED PCB LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 14FEB2005	TE Connectivity	
DIMENSIONS: INCHES	CHK M.PERCHERKE 14FEB2005	NAME RIGHT ANGLE HEADER ASSEMBLY W/GUIDES 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 14FEB2005	PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	
MATERIAL - -	FINISH - -	WEIGHT -	SIZE A1 CAGE CODE 00779 DRAWING NO C-6450130 RESTRICTED TO -
		Customer Drawing	SCALE 4:1 SHEET 25 OF 28 REV M2

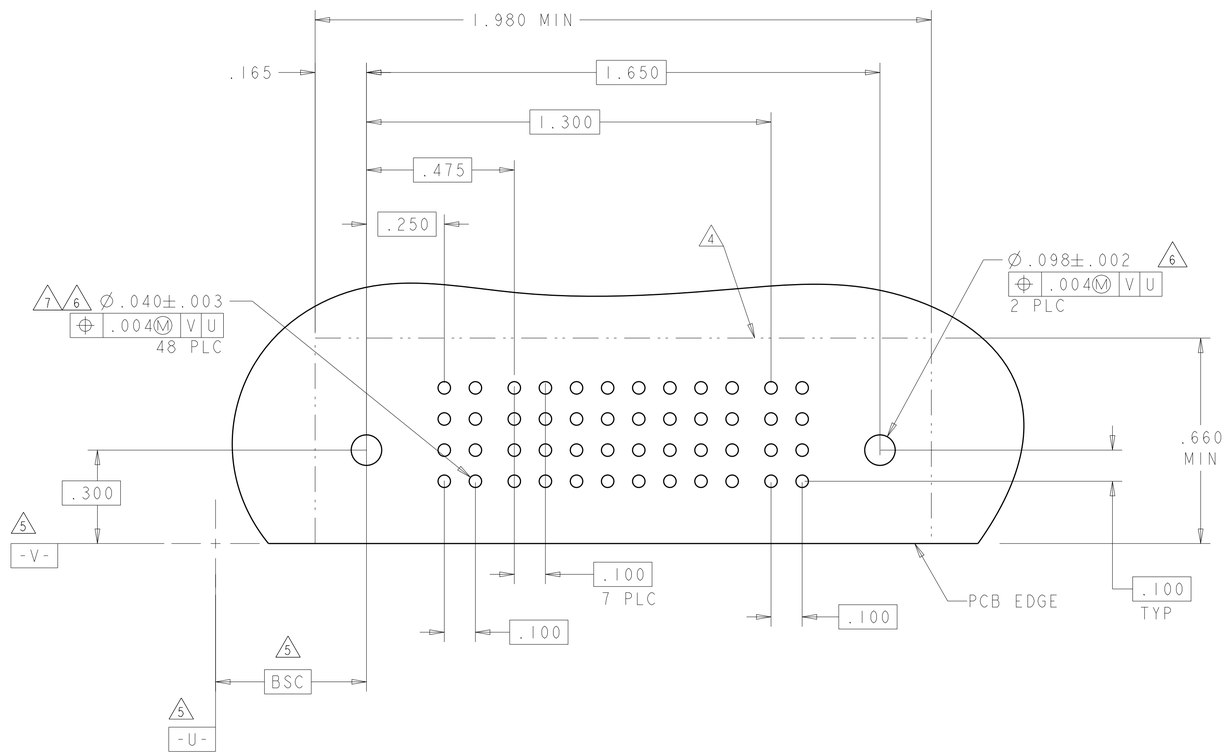
LOC	DIST
ES	00

REVISIONS

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

PART NUMBER	ROWS	POWER	SIGNAL								POWER
		P1	1	2	3	4	5	6	7	8	P2
9-6450130-9	D C B A	HD	PM	J K N S	J K N S	J K N S	J F N S	J K N S	J K N S	J K N S	J K N S	PM	HD
IP + 32S + IP													

L8



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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 R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing | SCALE 4:1 | SHEET 26 OF 28 | REV M2

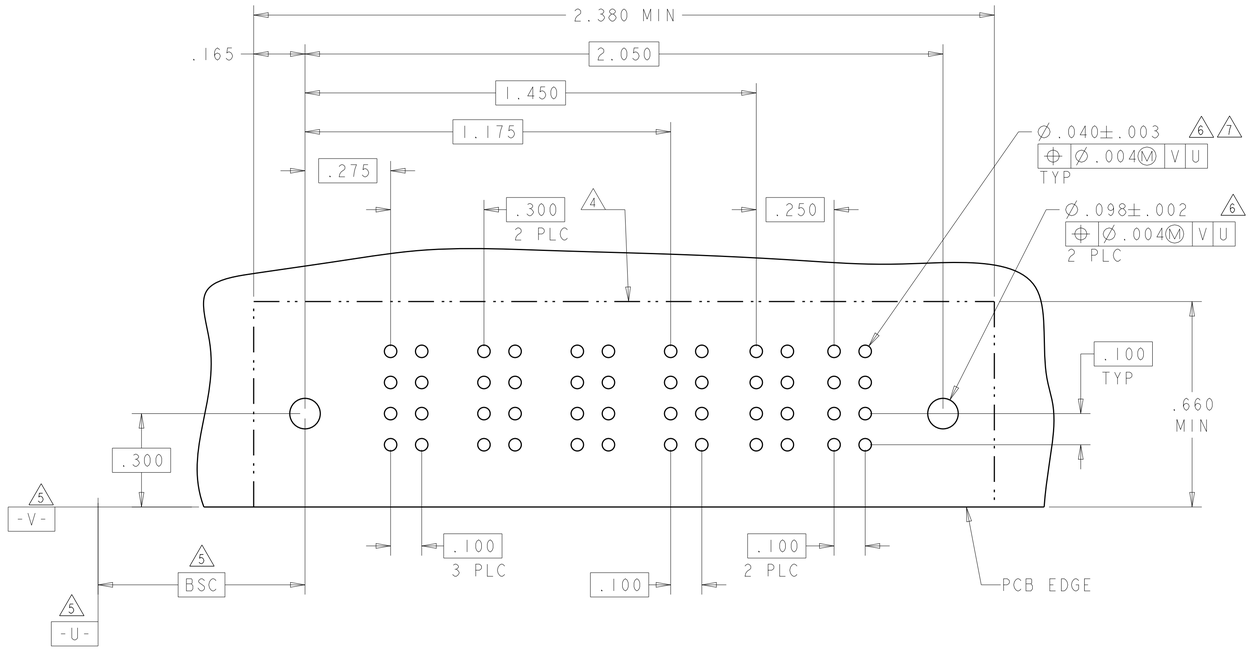
LOC	DIST
ES	00

REVISIONS

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

PART NUMBER	ROWS		POWER			SIGNAL		POWER		
			P1	P2	P3	1	2	P4	P5	
7-6450130-1	D C B A	HD	PM	PM	PM	J J K K N N H S		PM	PM	HD
3ACP + 8S + 2P										

L9



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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 R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing | SCALE 4:1 | SHEET 27 OF 28 | REV M2

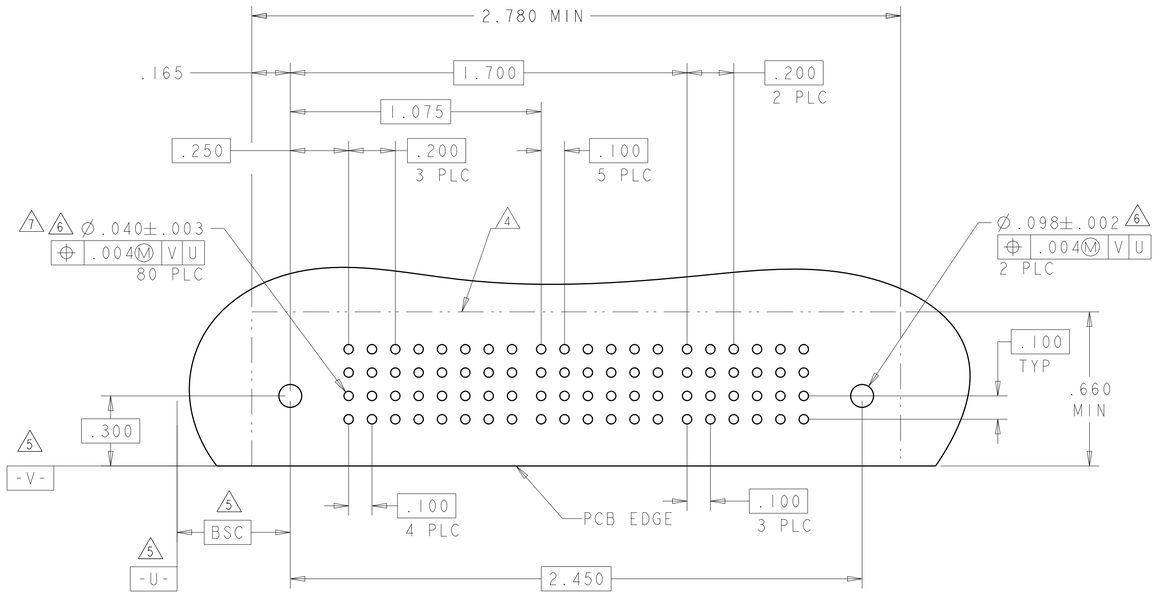
LOC	DIST
ES	00

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	SIGNAL 3	SIGNAL 4	SIGNAL 5	SIGNAL 6	POWER P5	POWER P6	POWER P7
5-6450130-3	D	PM	PM	PM	PM	J	J	J	J	J	J	PM	PM	PM
	C					K	K	K	K	K	K			
	B					N	N	N	N	N	N			
	A					H	S	S	S	S	S			
		HD												HD

4HDP + 24S + 3HDP



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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 R.GRZYBOWSKI 14FEB2005
CHK M.PERCHERKE 14FEB2005
APVD M.PERCHERKE 14FEB2005

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

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450130	-

Customer Drawing

SCALE 4:1 SHEET 28 OF 28 REV M2