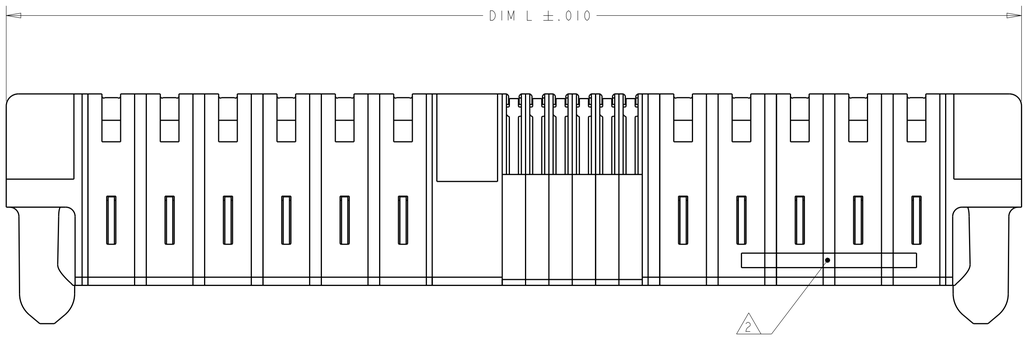
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

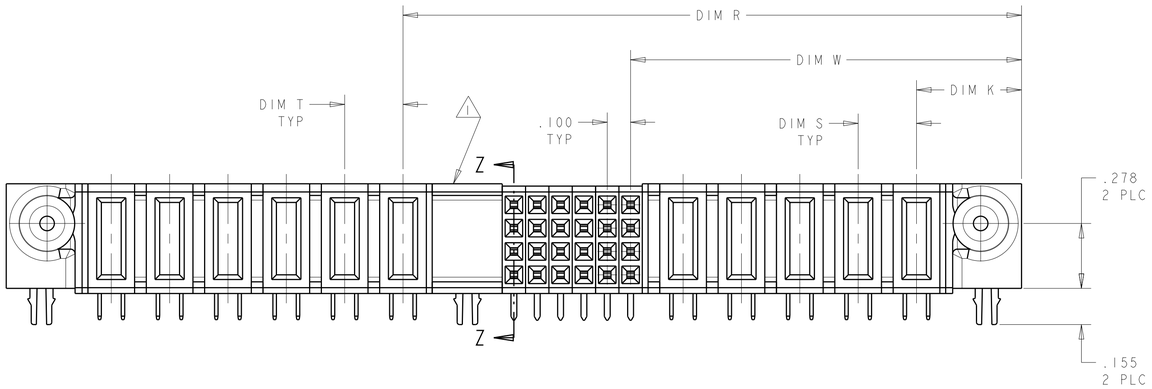
LOC	DIST
GP	00

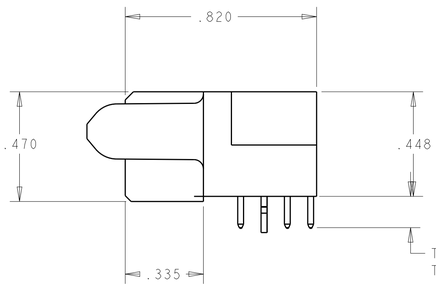
REVISIONS

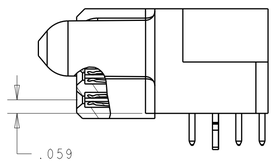
P	LTR	DESCRIPTION	DATE	DWN	APVD
	G	REV PER ECO-15-000526	19JAN2015	LAW	CZ



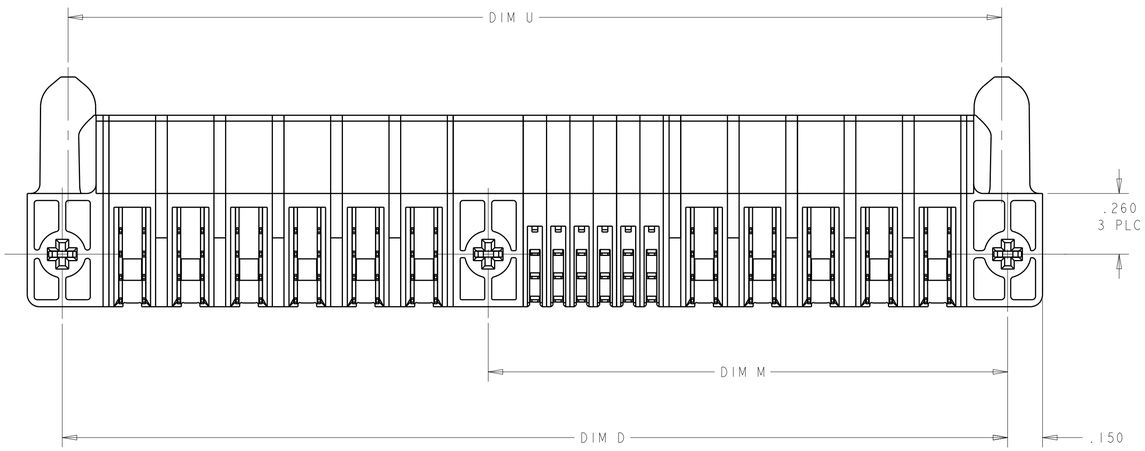
1. OPTIONAL CENTER MODULE, WITH Ø.150 THRU HOLE OR HOLD DOWN FEATURE.
2. "AMP", PART NUMBER, AND DATE CODE TO BE MARKED IN AREA SHOWN.
3. MATERIAL: HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, BLACK, UL94 V-O
   SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
   POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY
4. CONTACT PLATING: NOBLE PLATING ON CONTACT FUNCTIONAL AREA OF POWER AND SIGNAL CONTACTS
5. MECHANICAL CONNECTOR KEEP OUT ZONE.
6. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
7. PCB- ALL HOLE DIAMETERS ARE FINISHED DIMENSIONS.
8. PCB- Ø.0453 +/-.0010 DRILLED HOLES PLATED WITH .0003 MIN Sn OVER .001-.003 CU PLATING TO ACHIEVE A Ø.040±.003 HOLE.







SECTION Z-Z



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±.1
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES ±2°

MATERIAL 3

FINISH 4

DWN R GRZYBOWSKI	21FEB05
CHK M PERCHERKE	21FEB05
APVD M PERCHERKE	21FEB05
PRODUCT SPEC	108-1973
APPLICATION SPEC	114-13038
WEIGHT -	

TE Connectivity

NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing | SCALE 3:1 | SHEET 1 OF 16 | REV G1

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

LOC	DIST
GP	00

REVISIONS

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

(E6) PART IS IN SHEET 15

U	T	S	R	W	D	M	L	K	DESCRIPTION	PART NUMBER
.700	-	-	-	.375	.750	-	1.050	-	16S	4-6450160-9
2.700	-	.200	2.600	1.425	2.750	-	3.050	.450	5P + 44S + 1P	4-6450160-8
4.000	-	-	-	.375	4.050	-	4.350	-	148S	4-6450160-6
2.000	.250	.250	1.650	.925	2.050	-	2.350	.450	2P + 24S + 2P	4-6450160-5
2.800	-	-	-	0.375	2.850	-	3.150	-	100S	4-6450160-4
1.100	-	-	1.000	.625	1.150	-	1.450	.450	1P + 12S + 1P	4-6450160-1
2.400	.250	.250	1.550	.875	2.450	-	2.750	.450	2P + 24S + 4P	4-6450160-0
4.700	.250	.250	2.850	2.375	4.750	-	5.050	.450	8P + 16S + 8P	3-6450160-9
5.400	.300	.300	2.875	2.175	5.450	-	5.750	.475	6P + 24S + 9P	3-6450160-8
2.900	.250	.250	2.050	1.375	2.950	-	3.250	.450	4P + 24S + 4P	3-6450160-7
3.900	.250	.250	2.550	1.875	3.950	-	4.250	.450	6P + 24S + 6P	3-6450160-6
3.800	.250	.250	3.450	.875	3.850	-	4.150	.450	2P + 100S + 2P	3-6450160-4
3.700	.300	.200	2.700	2.025	3.750	-	4.050	.450	8P+24S+4ACP	3-6450160-3
2.800	.300	.250	2.075	1.375	2.850	-	3.150	.450	4P + 24S + 3ACP	3-6450160-2
1.700	.250	.250	1.350	.875	1.750	-	2.050	.450	2P + 16S + 2P	3-6450160-1
4.375	.300	.250	3.375	2.375	3.450	2.950	4.725	.450	8P+24S+1M+4ACP	3-6450160-0
4.100	.250	.300	2.250	1.575	4.150	-	4.450	.475	4ACP + 24S + 8P	2-6450160-9
2.000	.250	.300	1.650	1.325	2.050	-	2.350	.475	3ACP + 8S + 2P	2-6450160-7
2.600	.200	.200	1.900	1.225	2.650	-	2.950	.450	4HDP + 24S + 4HDP	2-6450160-6
2.000	.250	.250	1.650	.925	2.050	-	2.350	.450	2P + 24S + 2P	2-6450160-5
4.000	.250	.250	2.650	1.675	4.050	2.225	4.350	.450	5P + 24S + 1M + 6P	2-6450160-0
3.300	.250	.250	2.450	1.875	3.350	-	3.650	.450	6P + 20S + 4P	1-6450160-9
4.675	.300	.250	3.950	3.375	4.725	-	5.025	.450	12P + 20S + 3ACP	1-6450160-8
3.250	.250	.250	2.900	1.125	3.300	-	3.600	.450	3P + 68S + 2P	1-6450160-3
.900	-	-	-	.375	.950	-	1.250	-	0P + 24S + 0P	1-6450160-2
1.900	-	-	.975	.625	1.950	-	2.250	.450	1P + 12S + 5P	1-6450160-1
1.900	.250	.250	1.550	.875	1.950	-	2.250	.450	2P + 24S + 2P	1-6450160-0
3.300	.250	.250	2.450	1.875	3.350	-	3.650	.450	6P + 20S + 4P	6450160-9
2.400	.250	.250	1.800	1.125	2.450	-	2.750	.450	3P + 24S + 3P	6450160-8
3.050	.250	.300	1.950	1.275	3.100	-	3.400	.475	3ACP + 24S + 5P	6450160-7
7.400	.250	.250	5.050	2.875	7.450	-	7.750	.450	10P + 84S + 10P	6450160-6
4.000	.250	.250	2.650	1.675	4.050	2.225	4.350	.450	5P + 24S + 1M + 6P	6450160-5
4.000	.250	.250	2.650	1.675	4.050	2.225	4.350	.450	5P + 24S + 1M + 6P	6450160-4
1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	6450160-3
1.575	-	-	1.425	.700	1.625	-	1.925	.475	1P + 24S + 1P	6450160-2
5.100	.250	.250	3.250	2.375	5.150	-	5.450	.450	8P + 32S + 8P	6450160-1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN R.GRZYBOWSKI 21FEB05
CHK M.PERCHERKE 21FEB05
APVD M.PERCHERKE 21FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-6450160 | RESTRICTED TO -

Customer Drawing | SCALE 3:1 | SHEET 2 OF 16 | REV G1

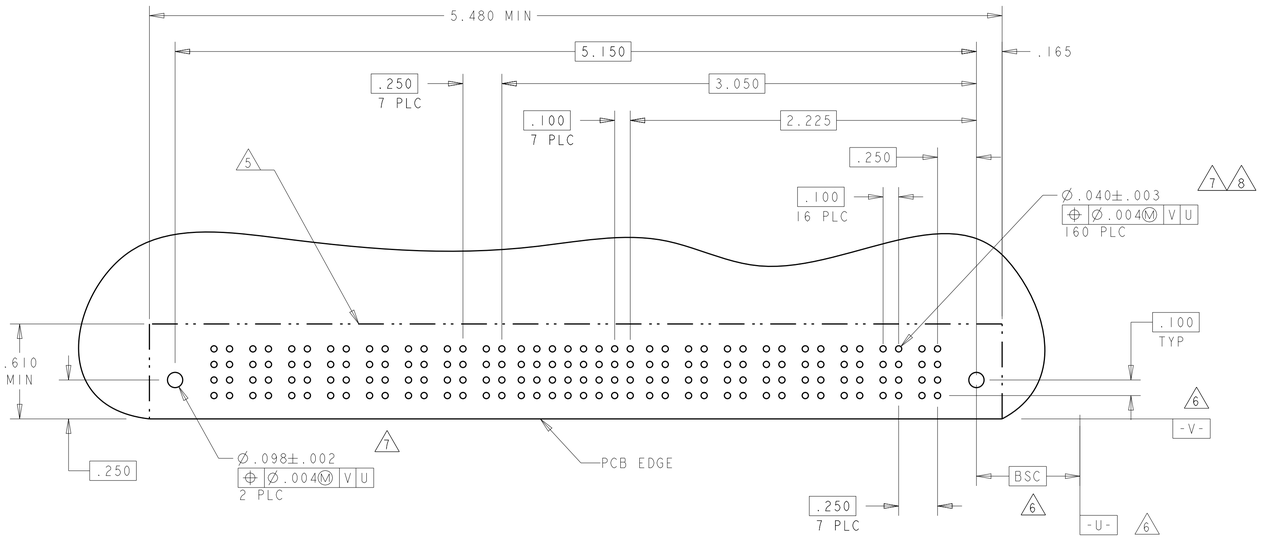
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

REVISIONS

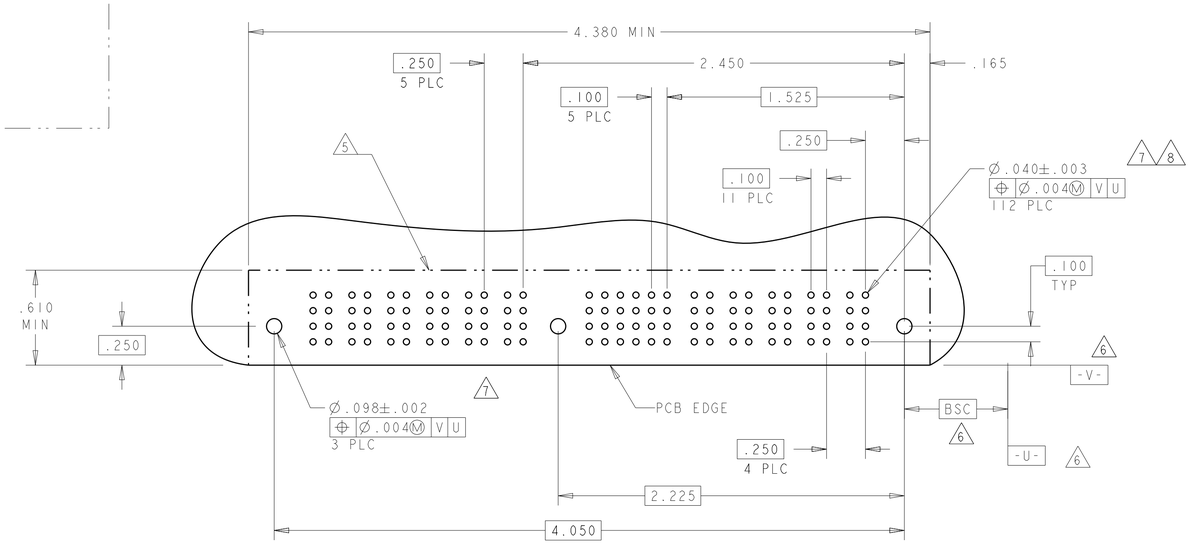
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER								SIGNAL								POWER							
		P16	P15	P14	P13	P12	P11	P10	P9	8	7	6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1
6450160-1	D C B A	RA	RA	RA	RA	RA	RA	RA	RA	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RA	RA	RA	RA	RA	RA	RA	RA
9P + 32S + 8P		HD																HD							



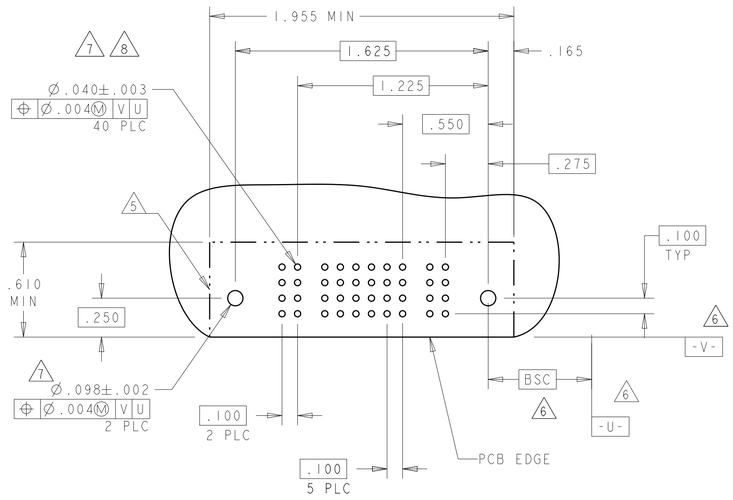
PART NUMBER	ROWS	POWER						MI	SIGNAL						POWER					
		P11	P10	P9	P8	P7	P6	M1	6	5	4	3	2	1	P5	P4	P3	P2	P1	
6450160-4	D C B A	RB	RB	RB	RB	RB	RB	HD	L K J I	L K J I	L K J I	L K J I	L K J I	L K J I	RB	RB	RB	RB	RB	HD
5P + 24S + 1M + 6P																				

PART NUMBER	ROWS	POWER						MI	SIGNAL						POWER					
		P11	P10	P9	P8	P7	P6	M1	6	5	4	3	2	1	P5	P4	P3	P2	P1	
6450160-5	D C B A	RA	RA	RA	RA	RA	RA	HD	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RA	RA	RA	RA	RA	HD
5P + 24S + 1M + 6P																				



PART NUMBER	ROWS	POWER	SIGNAL						POWER
		P2	6	5	4	3	2	1	P1
6450160-2	D C B A	RB	L K J I	L K J I	L K J I	L K J I	L K J I	L K J I	RB
1P + 24S + 1P		HD							HD

PART NUMBER	ROWS	POWER	SIGNAL						POWER
		P2	6	5	4	3	2	1	P1
6450160-3	D C B A	RA	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RA
1P + 24S + 1P		HD							HD



RN	.090	STD
RM	.135	STD
RA	.135	MFBL
RB	.090	MFBL
CODE	TAIL LENGTH	DESCRIPTION
POWER CONTACT		

L	.090	D
K	.090	C
J	.090	B
I	.090	A
H	.135	D
G	.135	C
F	.135	B
E	.135	A
CODE	TAIL LENGTH	ROW
SIGNAL 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 ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN	R.GRZYBOWSKI	21FEB05
CHK	M.PERCHERKE	21FEB05
APVD	M.PERCHERKE	21FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing | SCALE 4:1 | SHEET 3 OF 16 | REV G1

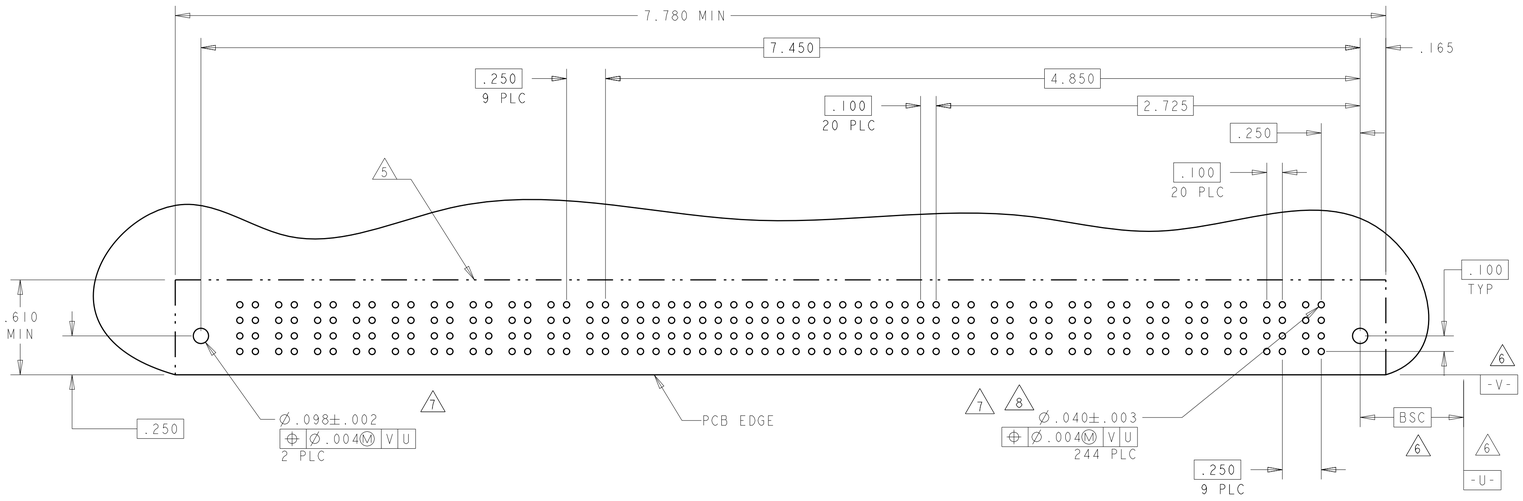
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

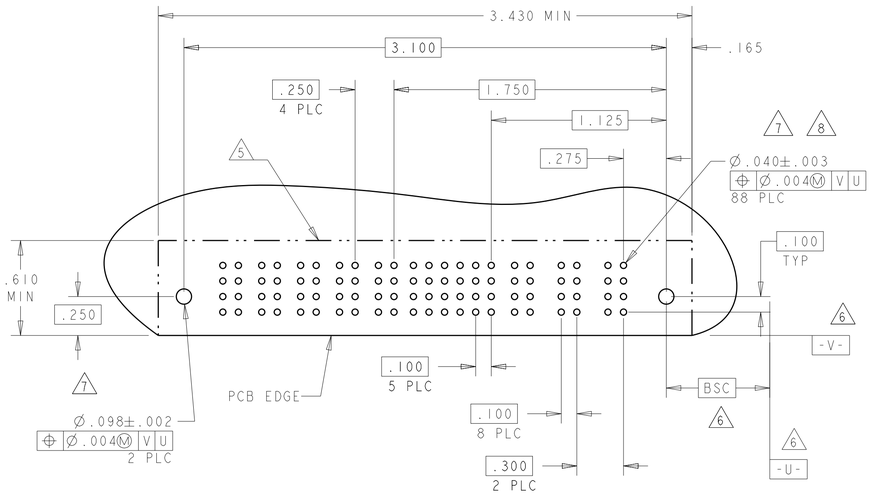
REVISIONS

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

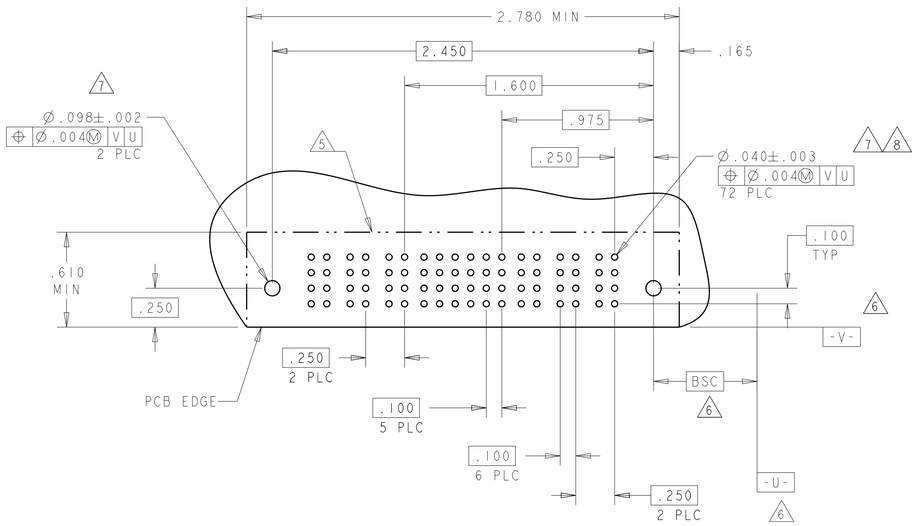
PART NUMBER	ROWS	POWER										SIGNAL																						POWER										
		P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1		
6450160-6	D C B A	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	HD	HD
10P + 84S + 10P																																												



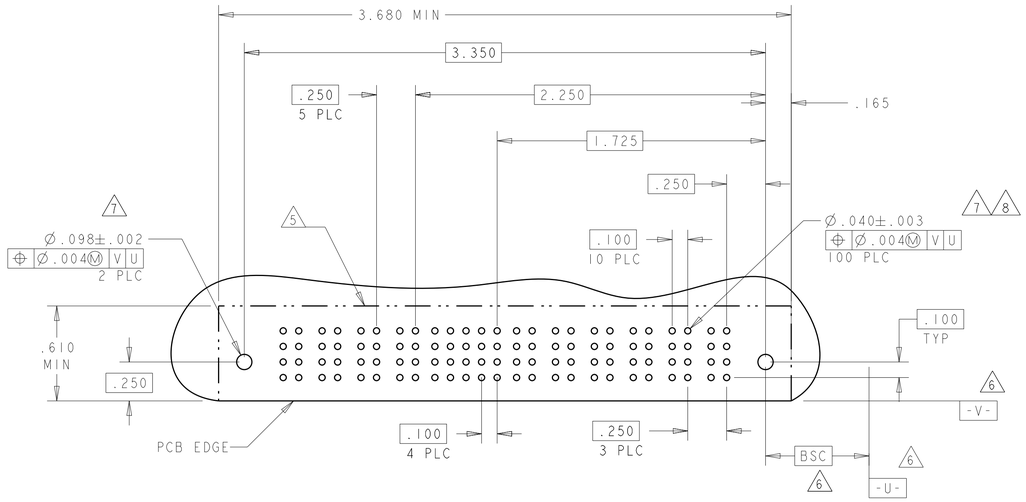
PART NUMBER	ROWS	POWER					SIGNAL					POWER				
		P8	P7	P6	P5	P4	6	5	4	3	2	1	P3	P2	P1	
6450160-7	D C B A	RA	RA	RA	RA	RA	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RA	RA	RA	HD
3ACP + 24S + 5P																



PART NUMBER	ROWS	POWER				SIGNAL					POWER					
		P6	P5	P4		6	5	4	3	2	1	P3	P2	P1		
6450160-8	D C B A	RA	RA	RA		H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RA	RA	RA	HD	HD
3P + 24S + 3P																



PART NUMBER	ROWS	POWER				SIGNAL					POWER					
		P10	P9	P8	P7	5	4	3	2	1	P6	P5	P4	P3	P2	P1
6450160-9	D C B A	RA	RA	RA	RA	H G F E	H G F E	H G F E	H G F E	H G F E	RA	RA	RA	RA	RA	RA
6P + 20S + 4P																



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 21FEB05	TE Connectivity
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±2°	CHK M.PERCHERKE 21FEB05	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
		APVD M.PERCHERKE 21FEB05	
		PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-6450160 · RESTRICTED TO -
MATERIAL	FINISH	WEIGHT -	Customer Drawing · SCALE 4:1 · SHEET 4 OF 16 · REV G1

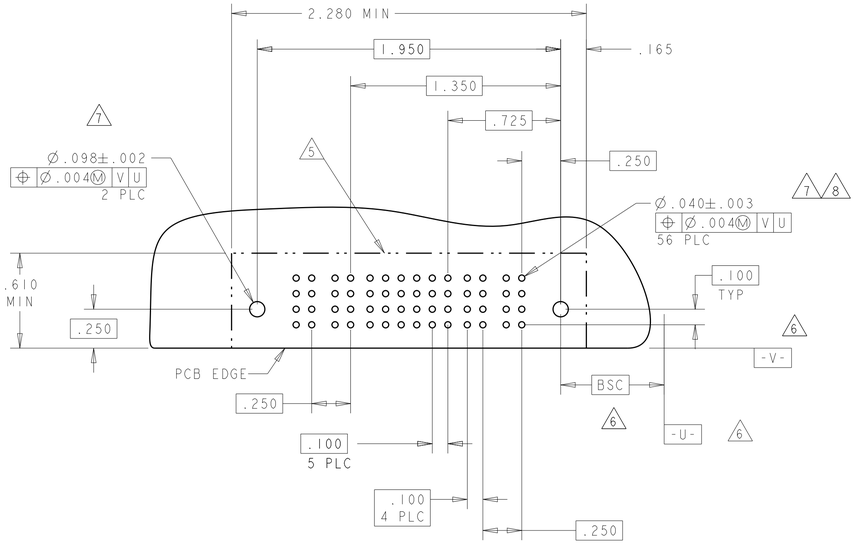
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

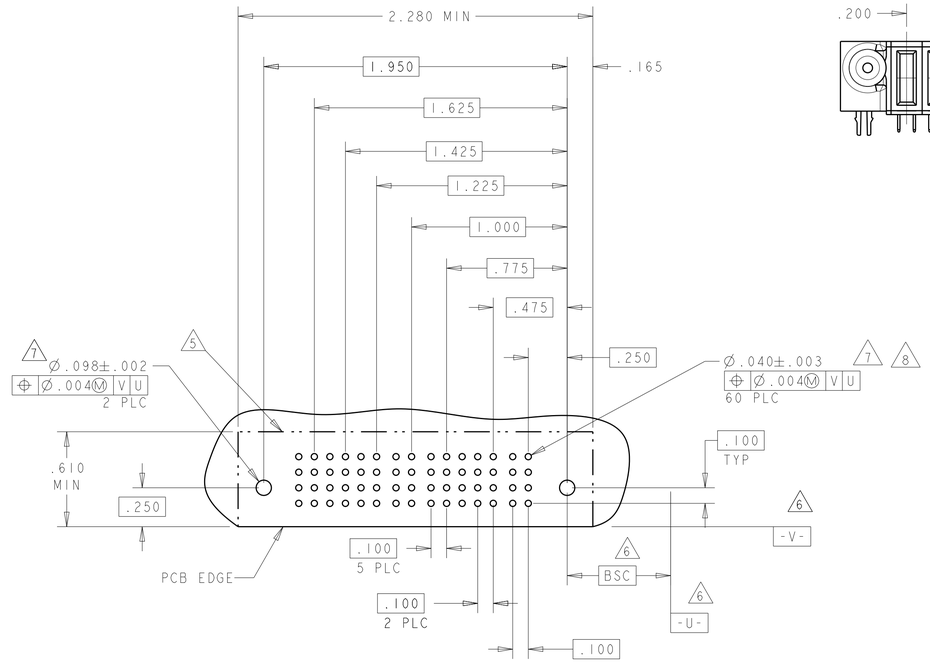
REVISIONS

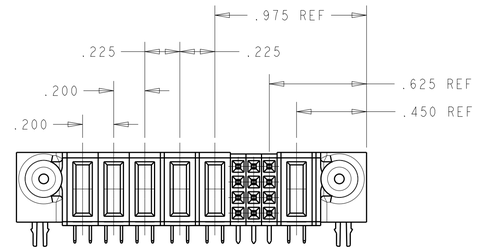
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

PART NUMBER	ROWS	POWER P4 P3	SIGNAL 6 5 4 3 2 1	POWER P2 P1
1-6450160-0	D C B A	RA RA	H G F E	RA RA
2P + 24S + 2P		HD		HD

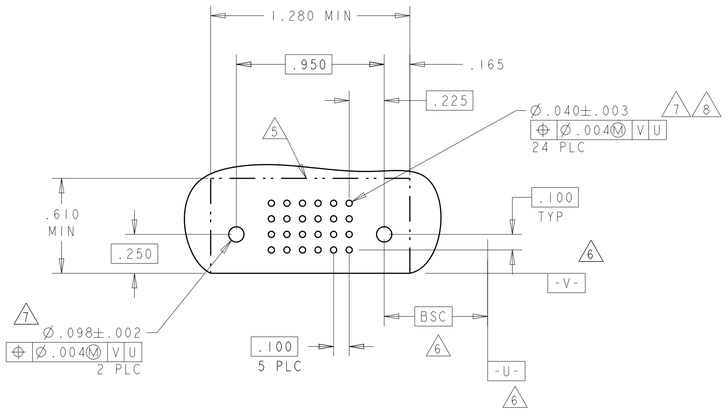


PART NUMBER	ROWS	POWER P6 P5 P4 P3 P2	SIGNAL 3 2 1	POWER P1
1-6450160-1	D C B A	RA RA RA RA RA	H G F E	RA
1P + 12S + 5P		HD		HD

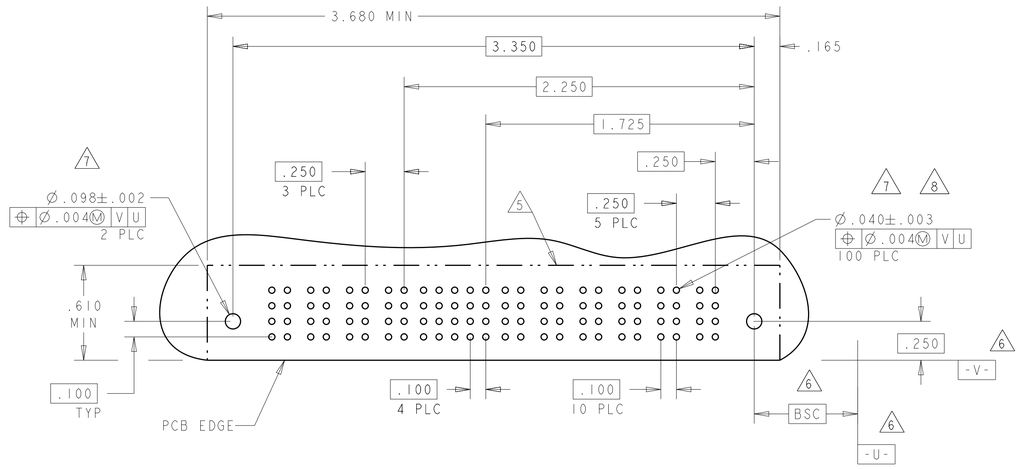




PART NUMBER	ROWS	SIGNAL 6 5 4 3 2 1
1-6450160-2	D C B A	L K J I
0P + 24S + 0P		HD



PART NUMBER	ROWS	POWER P10 P9 P8 P7	SIGNAL 5 4 3 2 1	POWER P6 P5 P4 P3 P2 P1
1-6450160-9	D C B A	RA RA RA RA	H G F E	RA RA RA RA RA RA
6P + 20S + 4P		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 ±.002
ANGLES ±2°

MATERIAL ***
FINISH ***

DWN R GRZYBOWSKI 21FEB05
CHK M PERCHERKE 21FEB05
APVD M PERCHERKE 21FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing | SCALE 4:1 | SHEET 5 OF 16 | REV G1

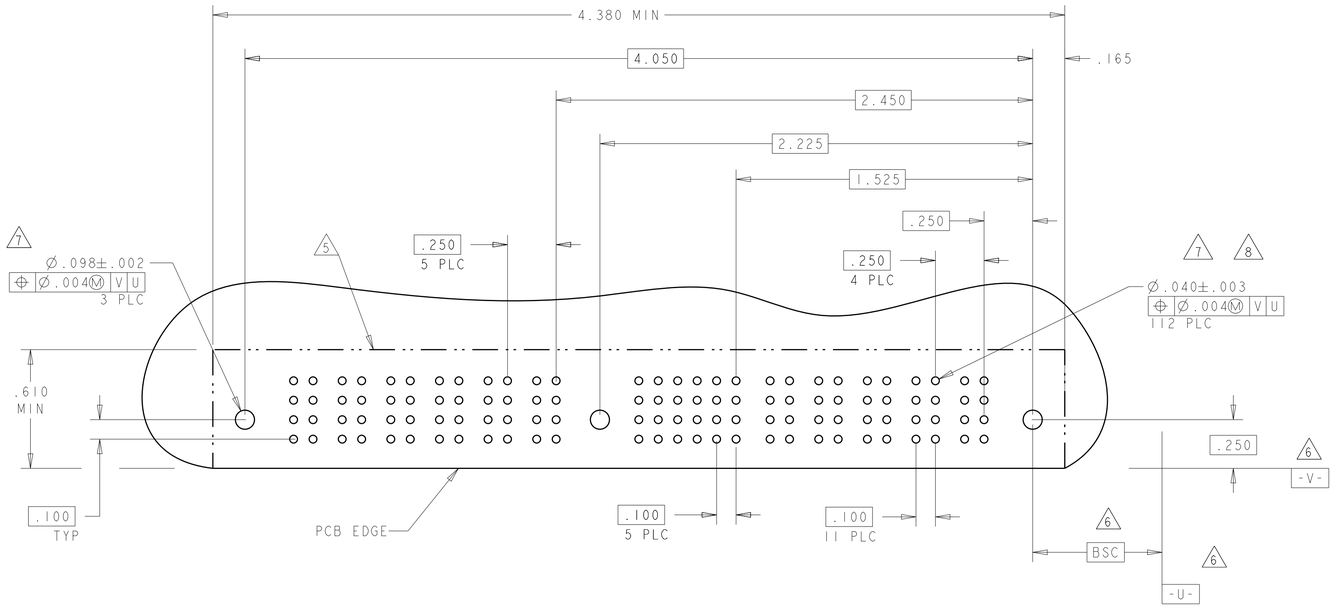
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

REVISIONS

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

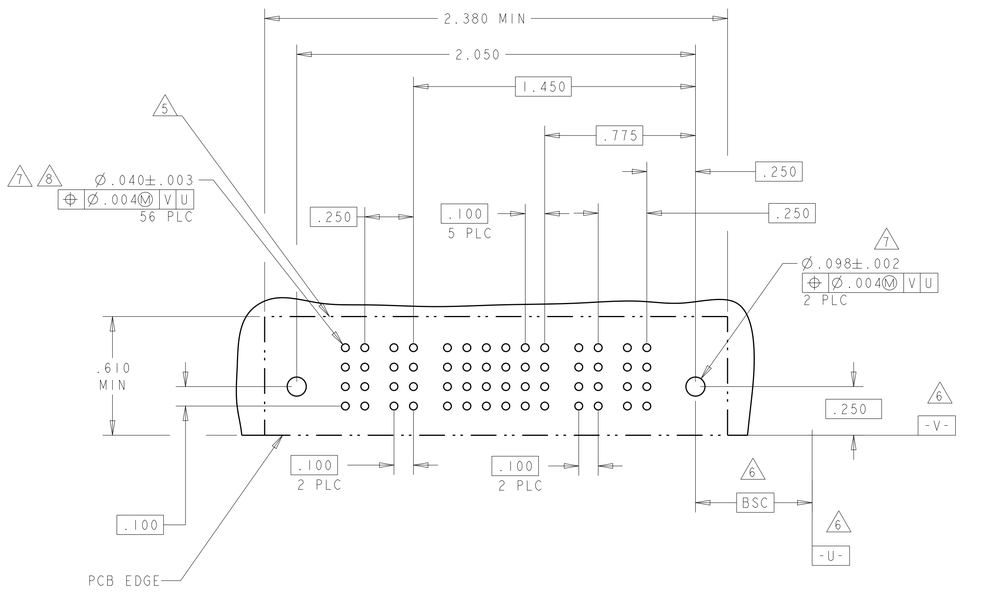
PART NUMBER	ROWS	POWER						SIGNAL						POWER					
		P11	P10	P9	P8	P7	P6	M1	6	5	4	3	2	1	P5	P4	P3	P2	P1
2-6450160-0	D C B A	RA	RA	RA	RA	RA	RA	HD	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RA	RA	RA	RA	RA
5P + 24S + 1M + 6P		HD													HD				



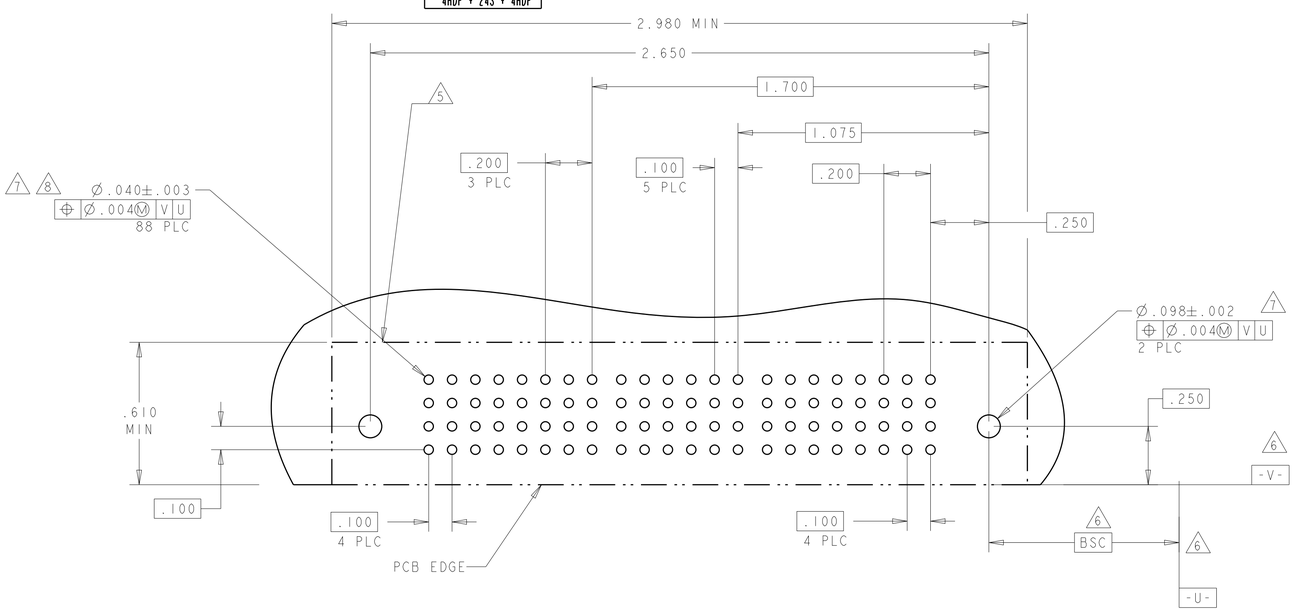
PART NUMBER	ROWS	POWER		SIGNAL						POWER		
		P4	P3	6	5	4	3	2	1	P2	P1	
2-6450160-5	D C B A	RN	RN	L K J I	L K J I	L K J I	L K J I	L K J I	L K J I	RN	RN	HD
2P + 24S + 2P												

PART NUMBER	ROWS	POWER		SIGNAL						POWER		
		P4	P3	6	5	4	3	2	1	P2	P1	
4-6450160-5	D C B A	RM	RM	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RM	RM	HD
2P + 24S + 2P												

E7



PART NUMBER	ROWS	POWER				SIGNAL						POWER			
		P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1
2-6450160-6	D C B A	RM	RM	RM	RM	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RM	RM	RM	RM
4HDP + 24S + 4HDP		HD													HD



2-6450160-5 AND 4-6450160-5 PCB LAYOUT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 21FEB05	TE Connectivity
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 1 PLC ±. 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±2°	CHK M.PERCHERKE 21FEB05	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
		APVD M.PERCHERKE 21FEB05	
		PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	SIZE A1 CAGE CODE 00779 DRAWING NO C-6450160 RESTRICTED TO -
MATERIAL	FINISH	WEIGHT -	Customer Drawing SCALE 4:1 SHEET 6 OF 16 REV G1

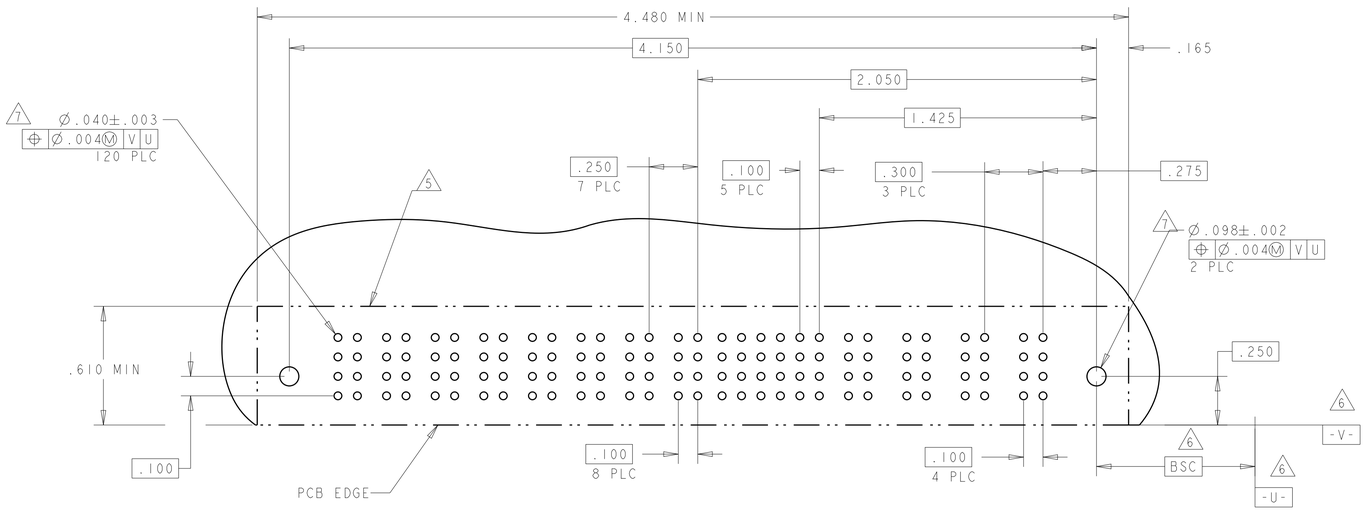
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

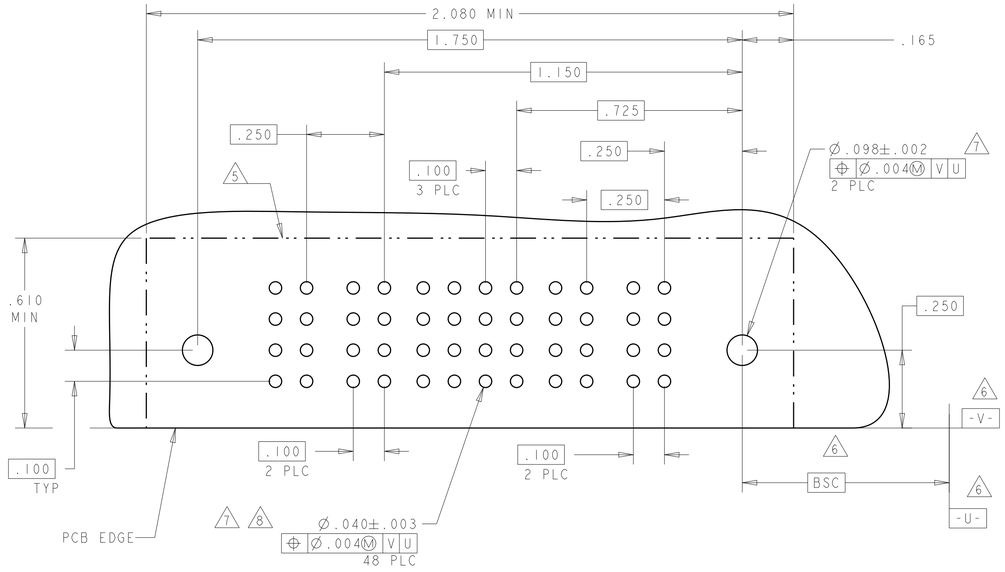
REVISIONS

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

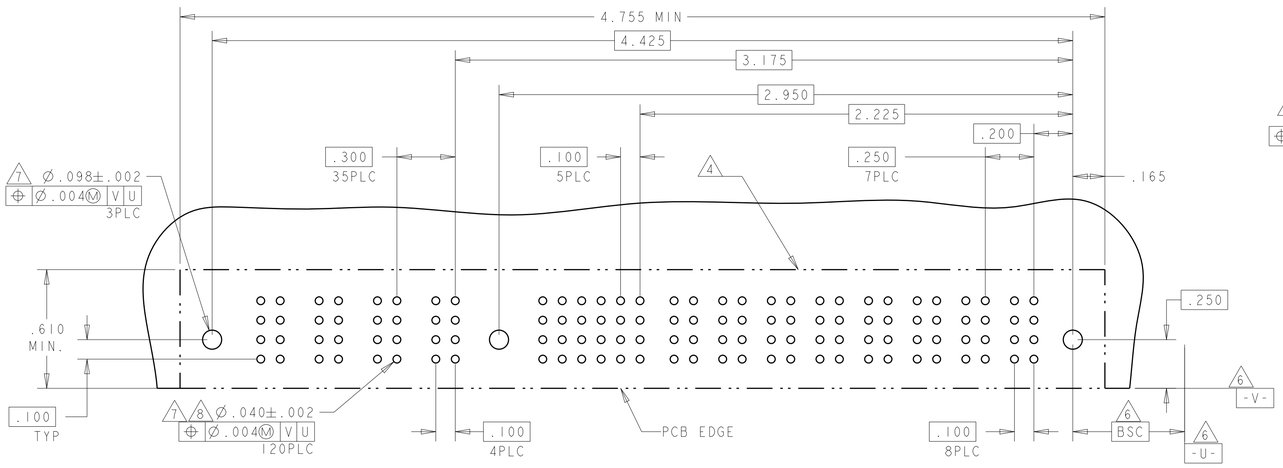
PART NUMBER	ROWS	POWER P12	P11	P10	P9	P8	P7	P6	P5	SIGNAL 6	5	4	3	2	1	POWER P4	P3	P2	P1
2-6450160-9	D C B A	RM	RM	RM	RM	RM	RM	RM	RM	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RM	RM	RM	RM
4ACP + 24S + 8P		HD																	HD



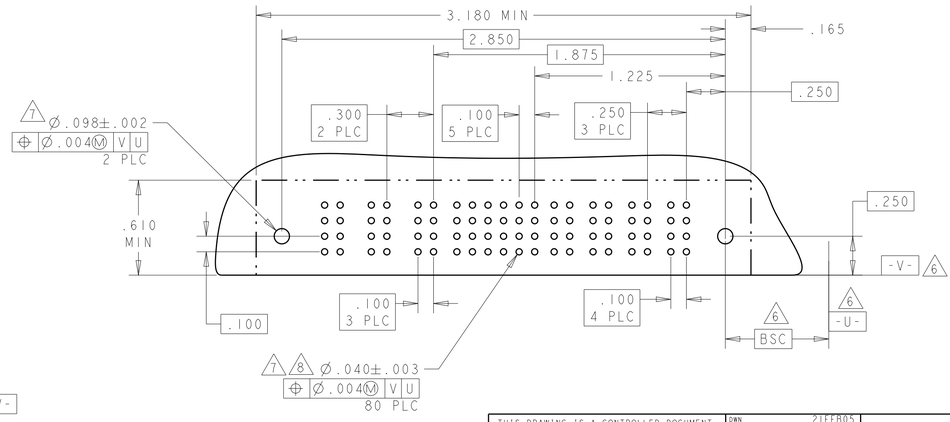
PART NUMBER	ROWS	POWER P4	P3	SIGNAL 4	3	2	1	POWER P2	P1
3-6450160-1	D C B A	RM	RM	H G F E	H G F E	H G F E	H G F E	RM	RM
2P + 16S + 2P		HD							HD



PART NUMBER	ROWS	POWER P12	P11	P10	P9	SIGNAL 6	5	4	3	2	1	POWER P8	P7	P6	P5	P4	P3	P2	P1
3-6450160-0	D C B A	RM	RM	RM	RM	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RM	RM	RM	RM	RM	RM	RM	RM
8P + 24S + 1M + 4ACP						HD													



PART NUMBER	HOUSING P/N	ROWS	POWER P7	P6	P5	SIGNAL 6	5	4	3	2	1	POWER P4	P3	P2	P1
3-6450160-2	3-1450190-2	D C B A	RM	RM	RM	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RM	RM	RM	RM
4P + 24S + 3ACP		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 ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN	R.GRZYBOWSKI	21FEB05
CHK	M.PERCHERKE	21FEB05
APVD	M.PERCHERKE	21FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing | SCALE 3:1 | SHEET 7 OF 16 | REV G1

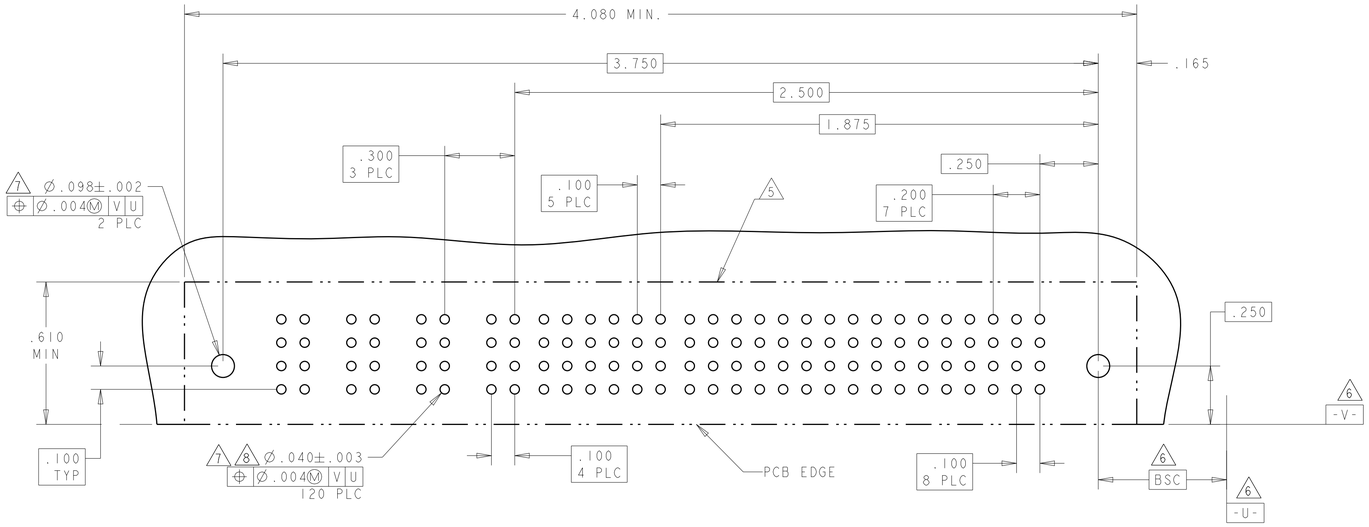
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

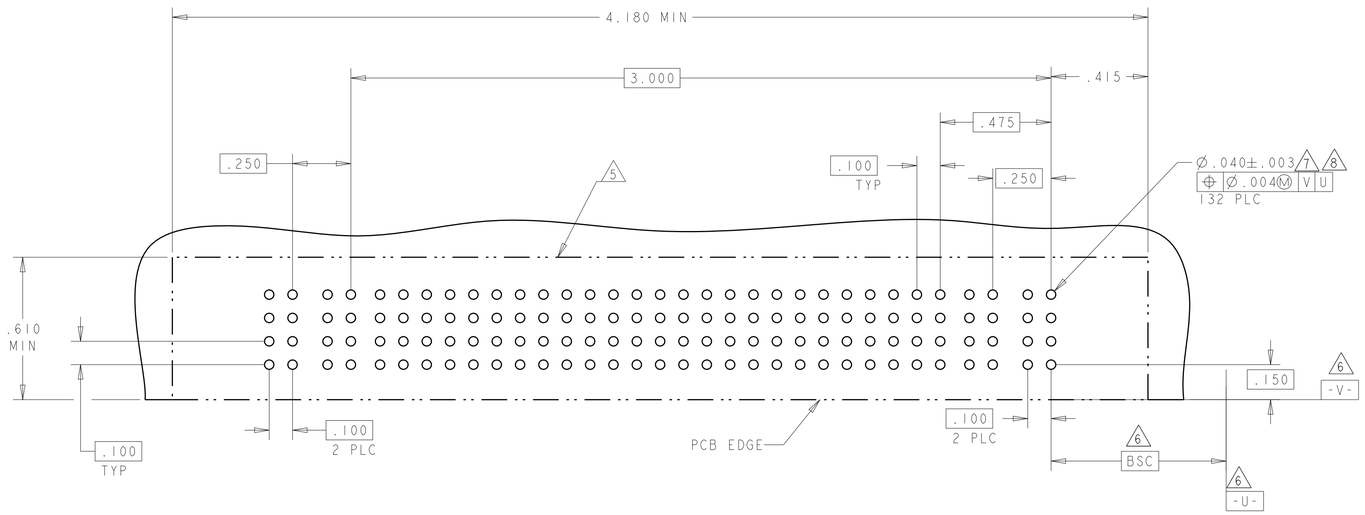
REVISIONS

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

PART NUMBER	ROWS	POWER				SIGNAL						POWER							
		P12	P11	P10	P9	6	5	4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1
3-6450160-3	D C B A	RM	RM	RM	RM	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RM	RM	RM	RM	RM	RM	RM	RM
8P + 24S + 4ACP																			



PART NUMBER	ROWS	POWER		SIGNAL																								POWER		
		P4	P3	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	P2	P1
3-6450160-4	D C B A	RM	RM	H G F E	RM	RM																								
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 ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN	R.GRZYBOWSKI	21FEB05
CHK	M.PERCHERKE	21FEB05
APVD	M.PERCHERKE	21FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing | SCALE 3:1 | SHEET 8 OF 16 | REV G1

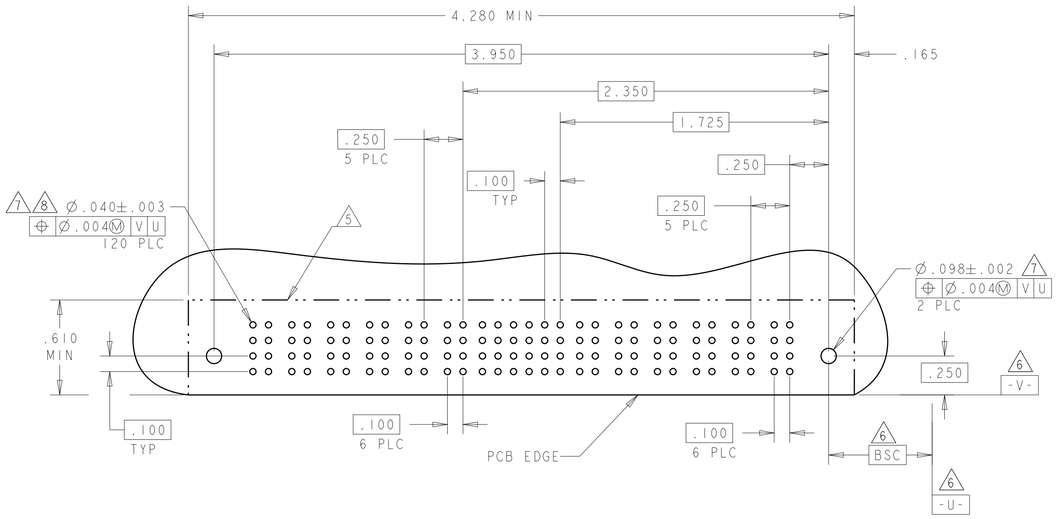
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

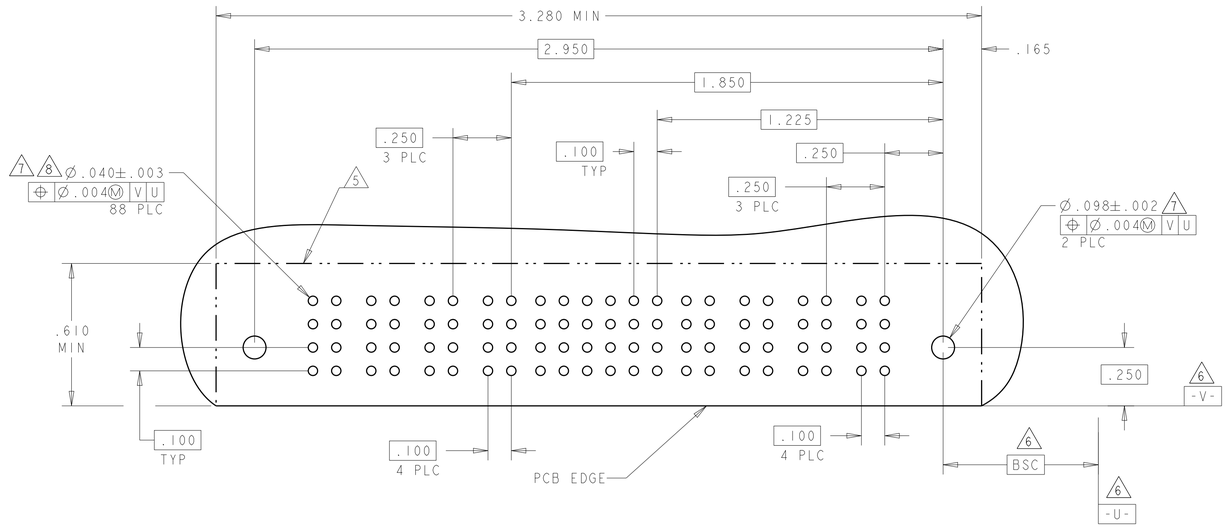
REVISIONS

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

PART NUMBER	ROWS	POWER					SIGNAL						POWER					
		P12	P11	P10	P9	P8	P7	6	5	4	3	2	1	P6	P5	P4	P3	P2	P1
3-6450160-6	D C B A	RM	RM	RM	RM	RM	RM	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RM	RM	RM	RM	RM	RM
6P + 24S + 6P		HD																	HD



PART NUMBER	ROWS	POWER				SIGNAL						POWER			
		P8	P7	P6	P5	6	5	4	3	2	1	P4	P3	P2	P1
3-6450160-7	D C B A	RM	RM	RM	RM	H G F E	H G F E	H G F E	H G F E	H G F E	H G F E	RM	RM	RM	RM
4P + 24S + 4P		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 ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN R.GRZYBOWSKI 21FEB05
CHK M.PERCHERKE 21FEB05
APVD M.PERCHERKE 21FEB05

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

TE Connectivity

NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing

SCALE 3:1 SHEET 9 OF 16 REV G1

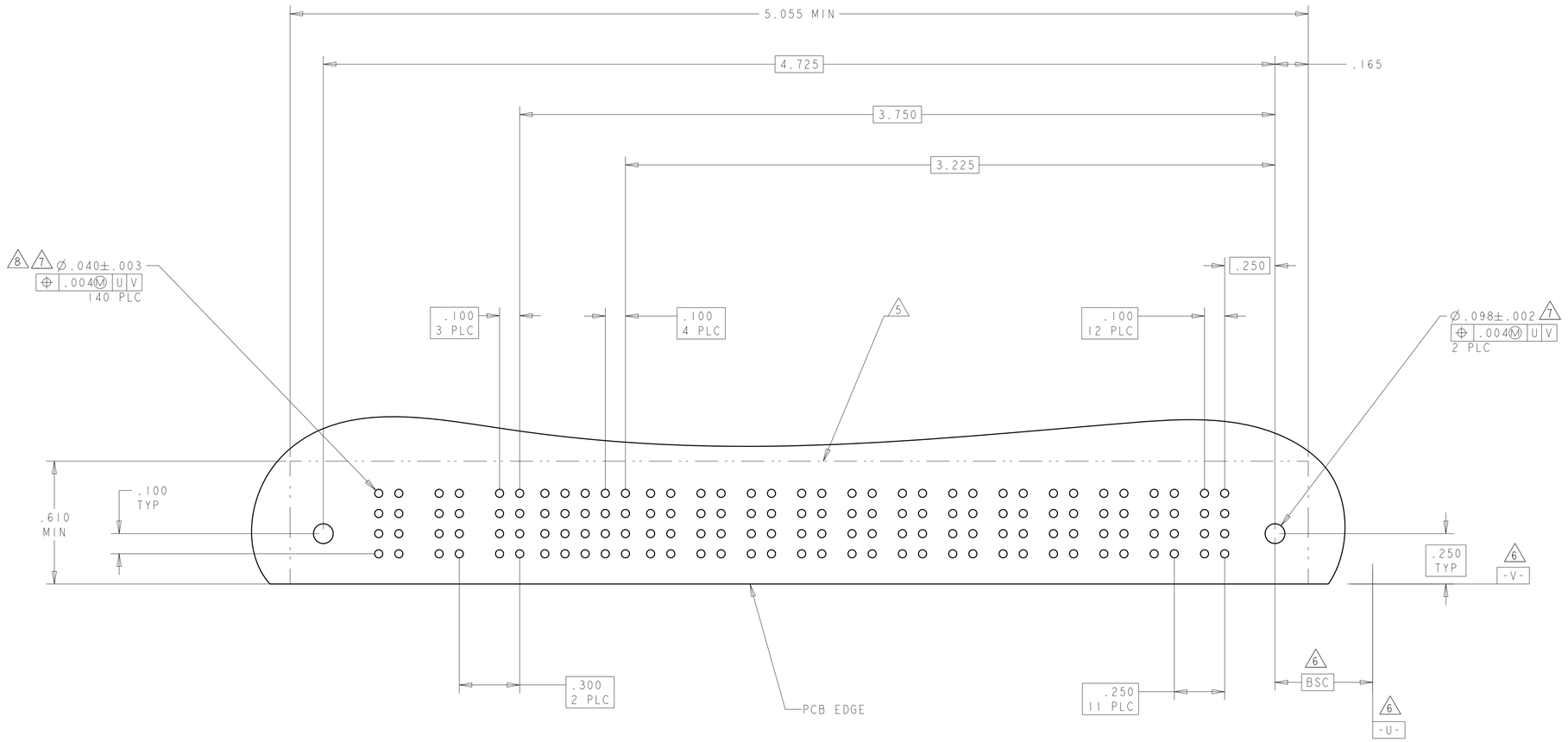
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

REVISIONS

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

PART NUMBER	ROWS	AC POWER			SIGNAL					POWER											
		P15	P14	P13	5	4	3	2	1	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1
1-6450160-8	D C B A	RA	RA	RA	H G F E	H G F E	H G F E	H G F E	H G F E	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA
		HD																			HD
12P + 20S + 3ACP																					



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R.GRZYBOWSKI 21FEB05	TE Connectivity
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±2°	CHK M PERCHERKE 21FEB05	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL
		APVD M PERCHERKE 21FEB05	
		PRODUCT SPEC 108-1973	
		APPLICATION SPEC 114-13038	SIZE A1 · CAGE CODE 00779 · DRAWING NO C-6450160 · RESTRICTED TO -
MATERIAL	FINISH	WEIGHT -	SCALE 3:1 · SHEET 10 OF 16 · REV G1
		Customer Drawing	

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

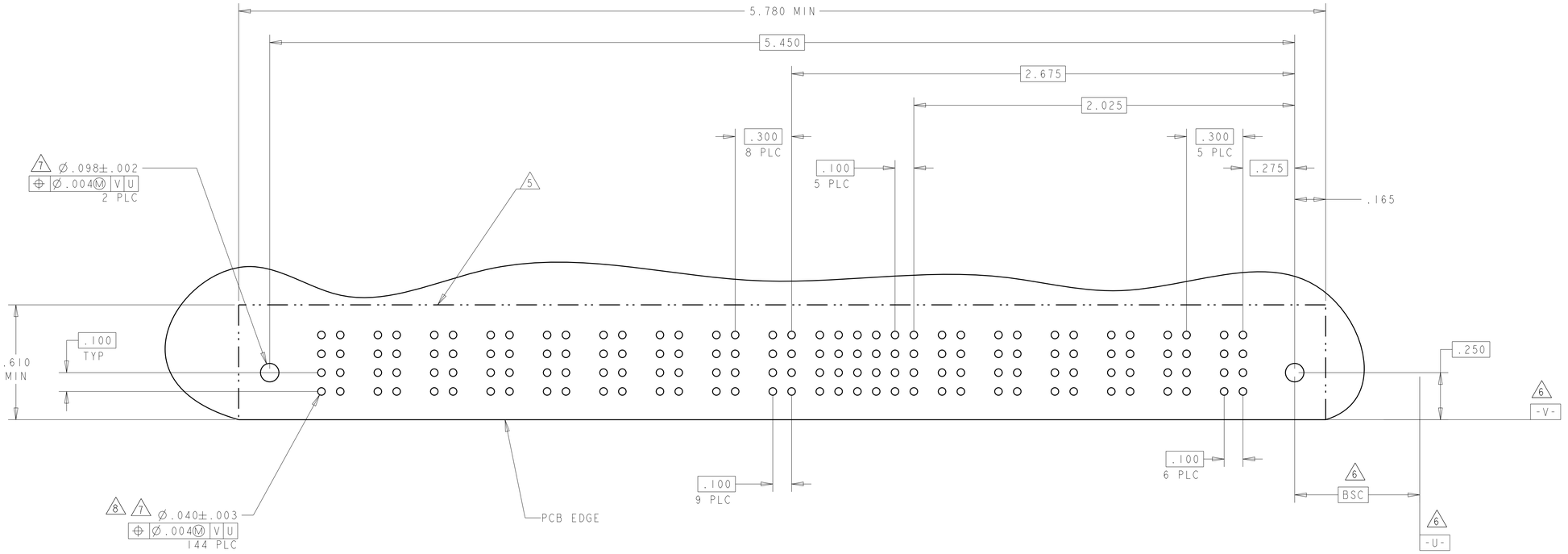
LOC	DIST
GP	00

REVISIONS

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

PART NUMBER	ROWS	POWER									SIGNAL						POWER						
		P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	P6	P5	P4	P3	P2	P1	
3-6450160-8	D C B A		RM	RM	RM		RM	RM	RM		H G F E	H G F E		H G F E	H G F E		RA		RM	RM	RM		HD
6P + 24S + 9P																							

E1



THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN R.GRZYBOWSKI 21FEB05	TE Connectivity	
DIMENSIONS: INCHES	CHK M.PERCHERKE 21FEB05	NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±- 2 PLC ±.01 3 PLC ±.005 4 PLC ±.002 ANGLES ±2°	APVD M.PERCHERKE 21FEB05		
	PRODUCT SPEC 108-1973		
	APPLICATION SPEC 114-13038	SIZE A1	CAGE CODE 00779
MATERIAL	WEIGHT -	DRAWING NO C-6450160	RESTRICTED TO -
FINISH	Customer Drawing	SCALE 3:1 SHEET 11 OF 16	REV G1

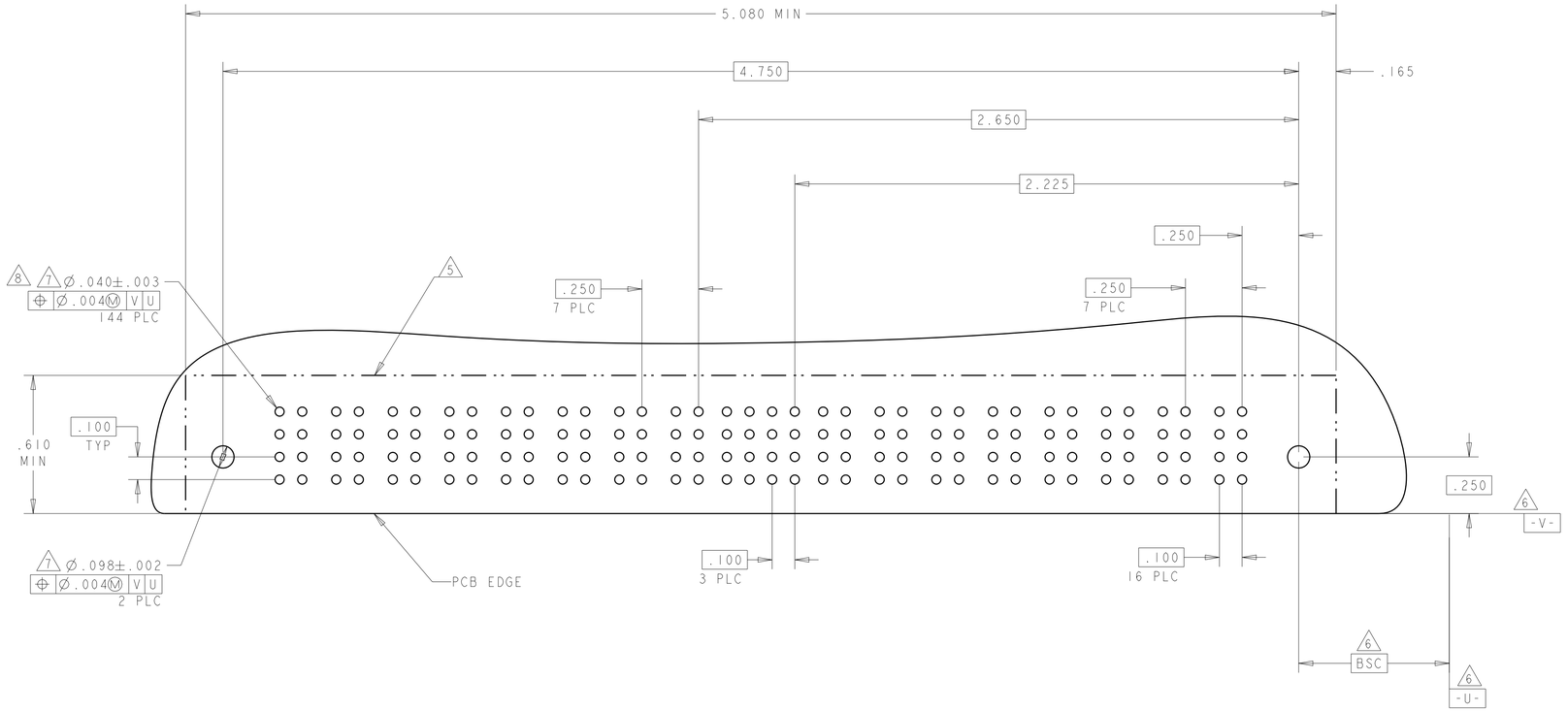
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

REVISIONS

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

PART NUMBER	ROWS		POWER									SIGNAL				POWER								
			P16	P15	P14	P13	P12	P11	P10	P9		4	3	2	1	P8	P7	P6	P5	P4	P3	P2	P1	
3-6450160-9	D		RM	RM	RM	RM	RM	RM	RM	RM		H	H	H	H	RM	RM	RM	RM	RM	RM	RM	RM	
	C											G	G	G	G									
	B											F	F	F	F									
	A	HD										E	E	E	E									HD
8P + 16S + 8P																								



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN R.GRZYBOWSKI 21FEB05
CHK M.PERCHERKE 21FEB05
APVD M.PERCHERKE 21FEB05
PRODUCT SPEC 108-1973
APPLICATION SPEC 114-13038
WEIGHT -

TE Connectivity

NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing

SCALE 3:1 SHEET 12 OF 16 REV G1

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

LOC	DIST
GP	00

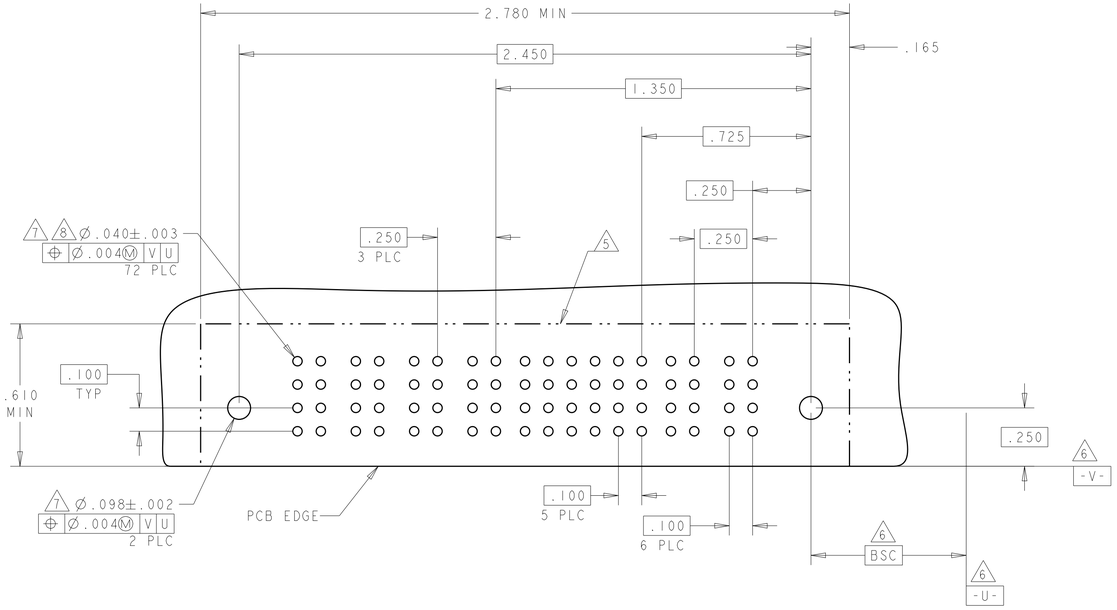
REVISIONS

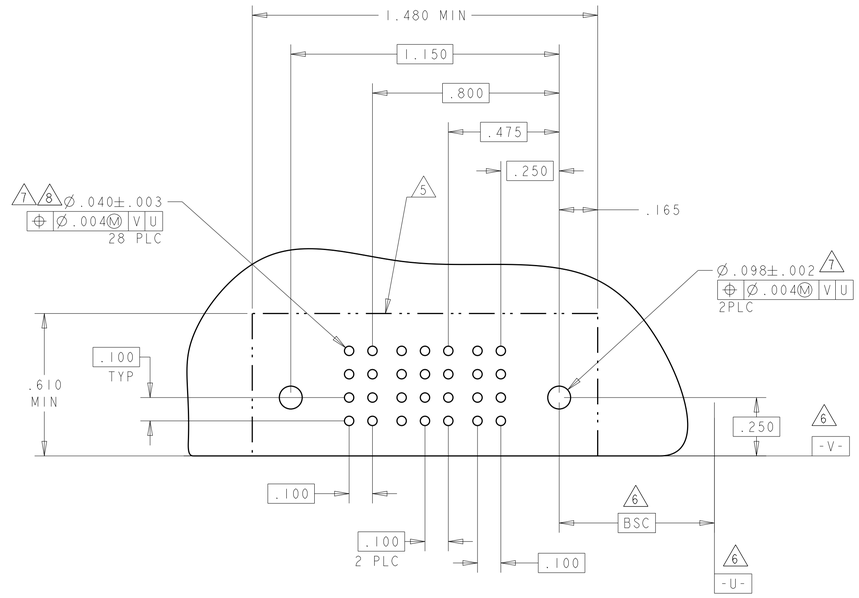
P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

(E)

PART NUMBER	ROWS		POWER				SIGNAL						POWER		
			P6	P5	P4	P3	6	5	4	3	2	1	P2	P1	
4-6450160-0	D		RM	RM	RM	RM	H	H	H	H	H	H	RM	RM	
	C						G	G	G	G	G	G			
	B						F	F	F	F	F	F			
	A	HD					E	E	E	E	E	E			HD
2P + 24S + 4P															

PART NUMBER	ROWS		POWER	SIGNAL			POWER	
			P2	3	2	1	P1	
4-6450160-1	D		RM	H	H	H	RM	
	C			G	G	G		
	B			F	F	F		
	A	HD		E	E	E		HD
1P + 12S + 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 ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN	R.GRZYBOWSKI	21FEB05
CHK	M.PERCHERKE	21FEB05
APVD	M.PERCHERKE	21FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing | SCALE 3:1 | SHEET 13 OF 16 | REV G1

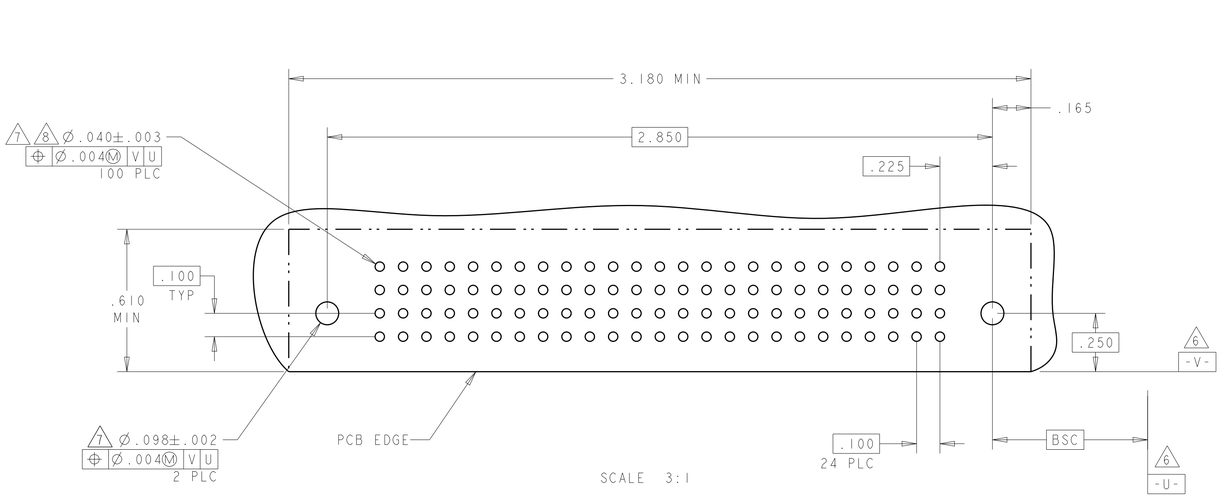
THIS DRAWING IS UNPUBLISHED. RELEASED FOR PUBLICATION 20
© COPYRIGHT 20 BY - ALL RIGHTS RESERVED.

LOC	DIST
GP	00

REVISIONS

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

PART NUMBER	ROWS	SIGNAL
4-6450160-4	D C B A	25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
100S		



SCALE 3:1

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN R.GRZYBOWSKI 21FEB05
CHK M.PERCHERKE 21FEB05
APVD M.PERCHERKE 21FEB05

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

TE Connectivity

NAME RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing

SCALE 3:1 SHEET 14 OF 16 REV G1

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

LOC	DIST
GP	00

REVISIONS

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

PART NUMBER	ROWS		POWER		SIGNAL		POWER			
			P5	P4	2	1	P3	P2	P1	
2-6450160-7	D				H	H				
	C				G	G				
	B		RM	RM	F	F	RM	RM	RM	
	A	HD			E	E				HD
3ACP + 8S + 2P										

| PART NUMBER | ROWS | | SIGNAL | | | | | | | | | |

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

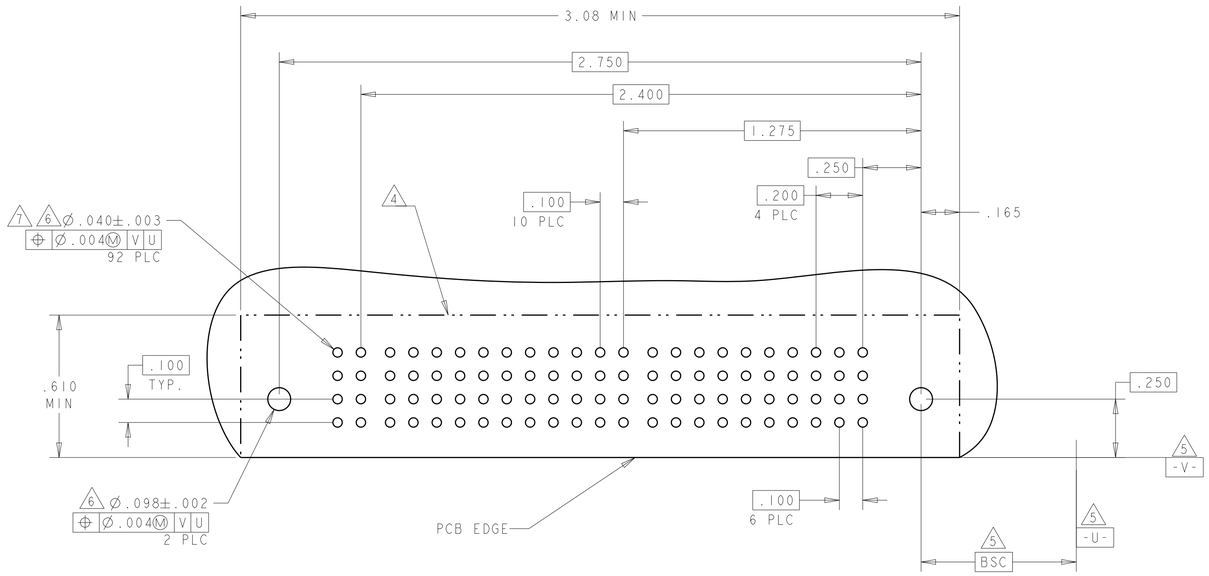
LOC	DIST
GP	00

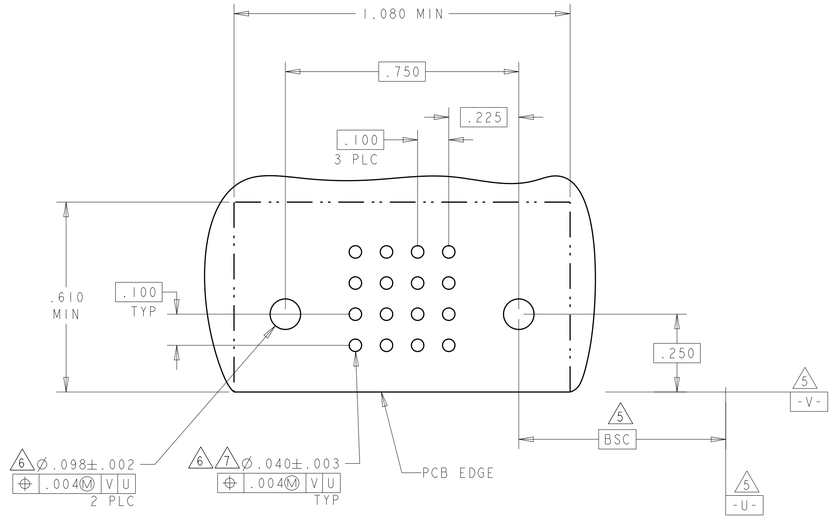
REVISIONS

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

PART NUMBER	ROWS		POWER	SIGNAL											POWER					
			P6	11	10	9	8	7	6	5	4	3	2	1	P5	P4	P3	P2	P1	
4-6450160-8	D C B A	HD	RM	H G F E		H G F E		H G F E	H F E	H F E	H F E	H F E	H F E	H F E	RM		RM	RM	RM	HD
5P + 44S + 1P																				

PART NUMBER	ROWS		SIGNAL				
			4	3	2	1	
4-6450160-9	D	J	H	H	H	H	L
	C		G	G	G	G	
	B		F	F	F	F	
	A	HD	E	E	E	E	HD
16S							





THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±-
1 PLC ±-
2 PLC ±.01
3 PLC ±.005
4 PLC ±.002
ANGLES ±2°

MATERIAL

FINISH

DWN	R.GRZYBOWSKI	21FEB05
CHK	M.PERCHERKE	21FEB05
APVD	M.PERCHERKE	21FEB05
PRODUCT SPEC	108-1973	
APPLICATION SPEC	114-13038	
WEIGHT	-	

TE Connectivity

NAME: RIGHT ANGLE RECEPTACLE ASSEMBLY WITH GUIDES MULTI-BEAM XL

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-6450160	-

Customer Drawing

SCALE 3:1 SHEET 16 OF 16 REV G1