



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

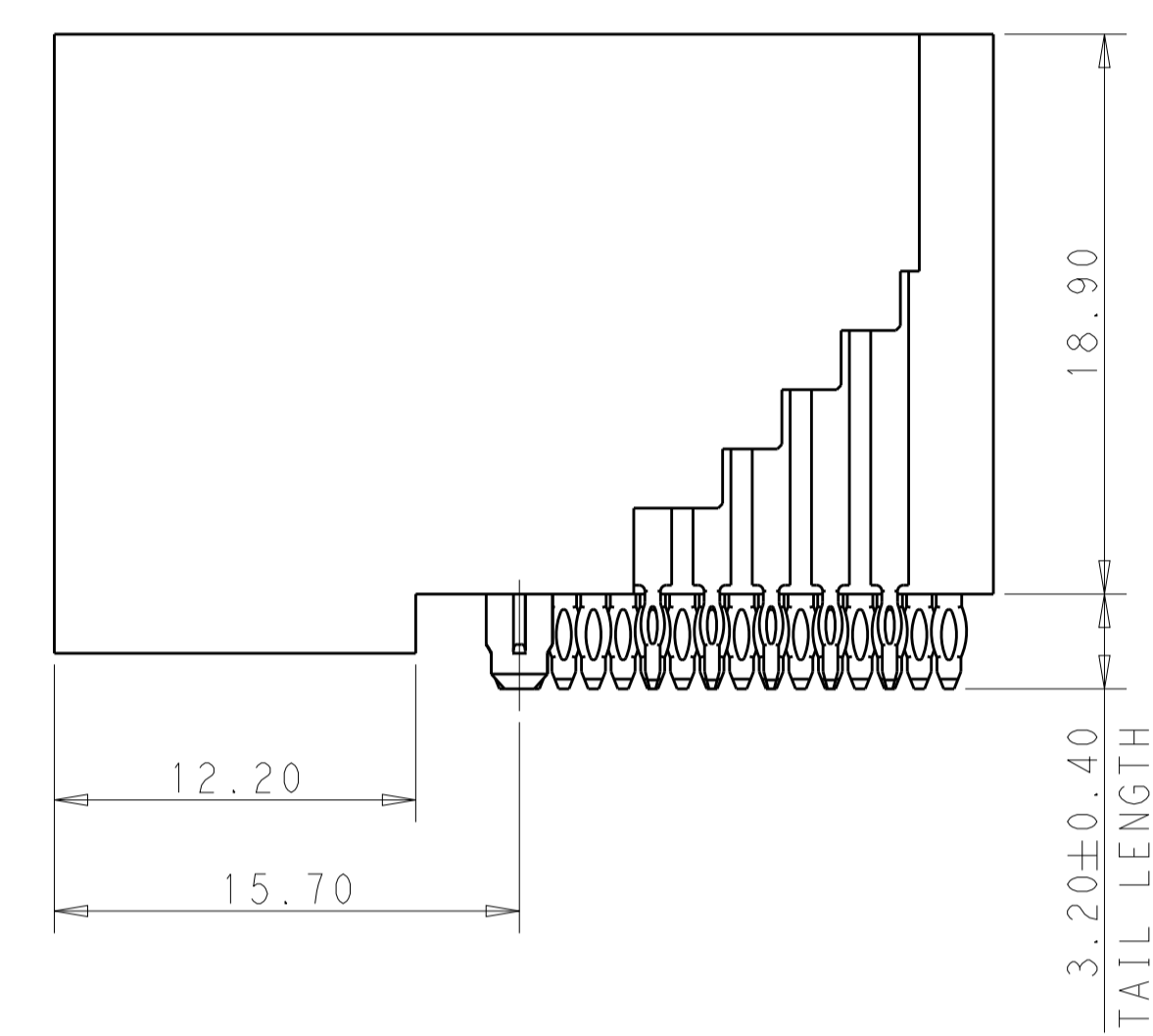
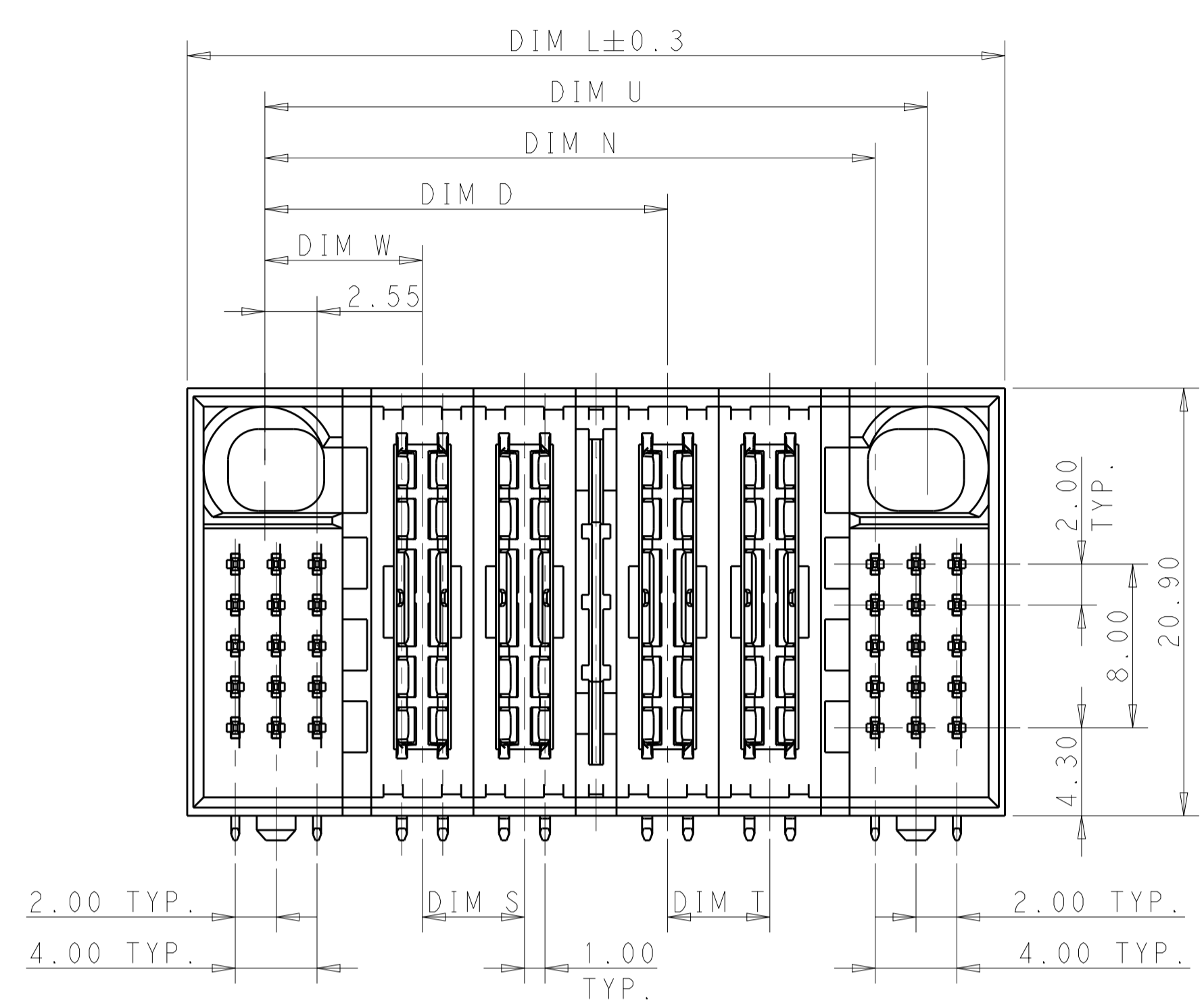
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

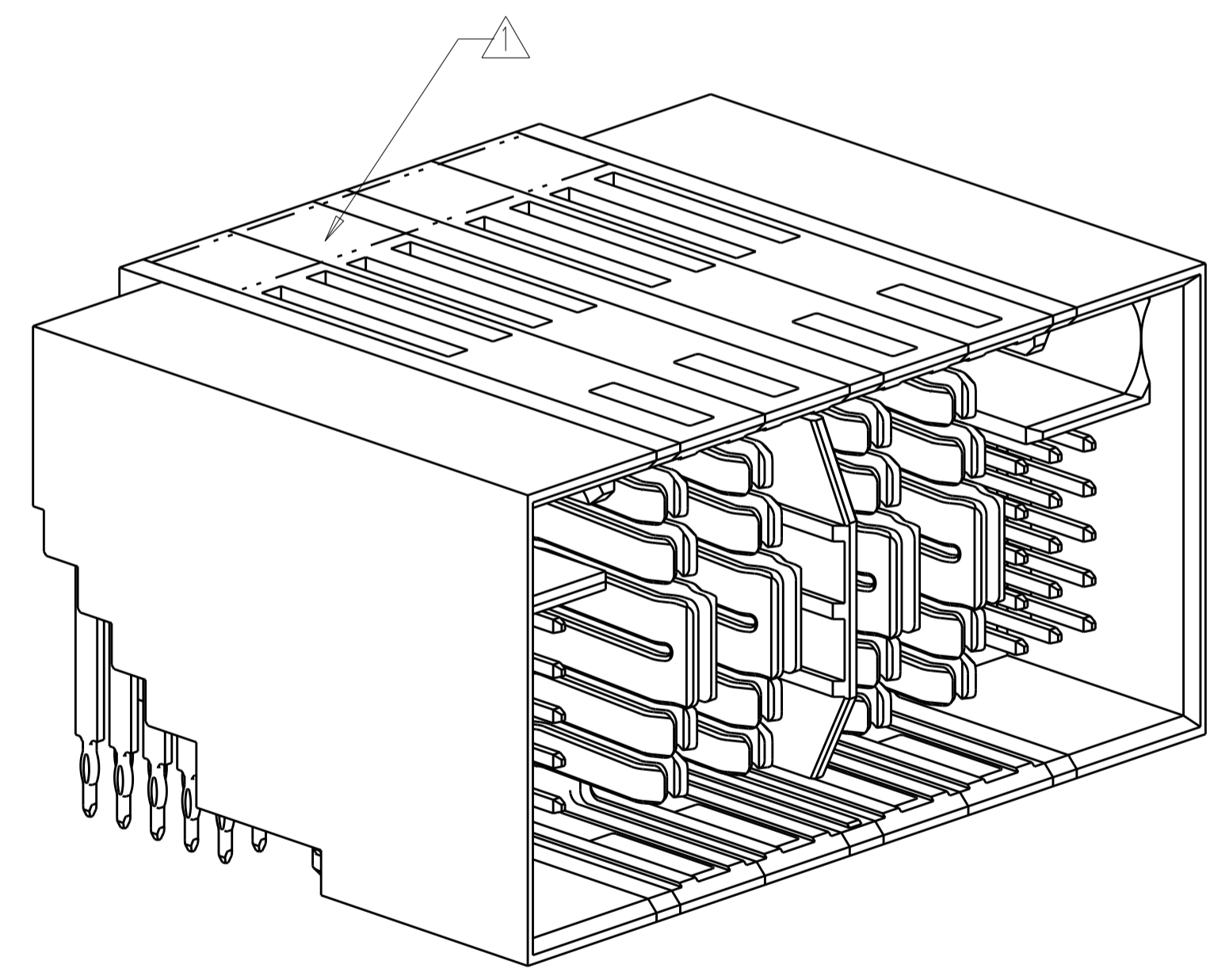
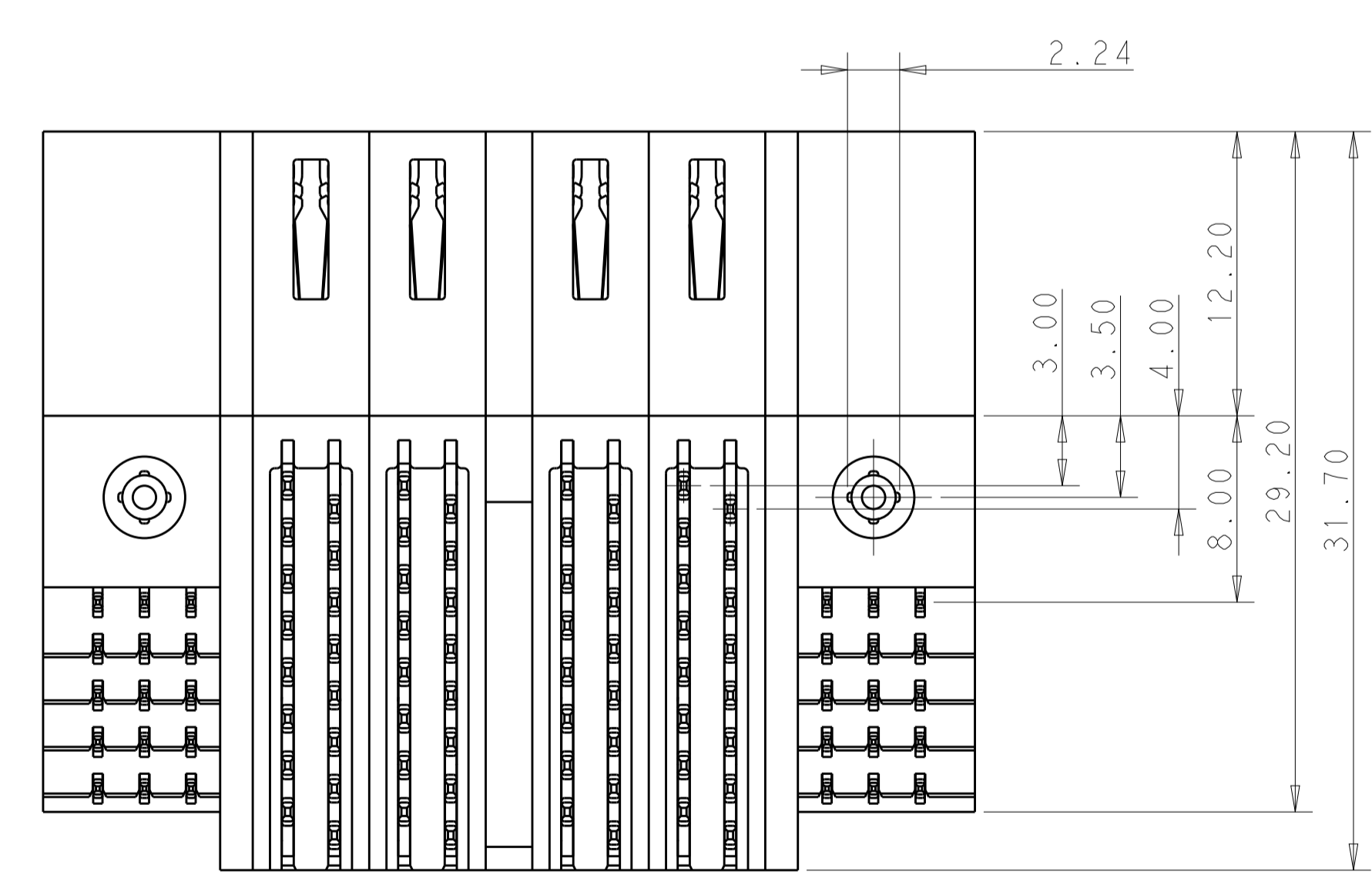


LOC	DIST	REVISIONS					
		P	LTN	DESCRIPTION	DATE	DWN	APVD
		A1		ECR-16-002696	24DEC2015	TZ	SZ
		A2		ECR-16-017528	19DEC2016	TZ	SZ



NOTES, UNLESS OTHERWISE SPECIFIED:

- △ "TE", PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN.
- △ MATERIAL:
  - HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC, COLOR: BLACK, UL94 V- 0.
  - SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.
  - POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.
- △ CONTACT PLATING:
  - MATING AREA - NOBLE METAL OVERALL NICKEL
  - TAIL SIDE AREA - MATTE TIN OVERALL NICKEL.
- 4. MECHANICAL CONNECTOR KEEP OUT ZONE.
- △ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- △ PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- △ PCB HOLE:
  - POWER - 1.15±0.025 MM DRILLED HOLES SIZE PLATING WITH 0.0076 MM MIN. Sn OVER 0.025-0.076 MM Cu PLATING TO ACHIEVE A 1.02 MM DIA. HOLE.
  - SIGNAL - 0.835±0.025 MM DRILLED HOLES SIZE PLATING WITH 0.0076 MM MIN. Sn OVER 0.025-0.076 MM Cu PLATING TO ACHIEVE A 0.72 MM DIA. HOLE.



50.00	42.40	39.85	24.70	7.70	5.00	5.00	15S+3P+3P+15S	1-2204440-1
30.0	22.40	19.85	14.70	7.70	-	-	0S+1P+1P+0S	1-2204440-0
58.00	50.40	47.85	28.70	7.70	7.00	7.00	15S+3HVP+3HVP+15S	2204440-9
50.00	42.40	39.85	24.70	7.70	5.00	5.00	15S+3P+3P+15S	2204440-8
33.00	25.40	22.85	-	7.70	5.00	-	15S+3P+12S	2204440-7
30.0	22.40	19.85	14.70	7.70	-	-	15S+1P+1P+15S	2204440-5/6
100.0	92.40	89.85	49.70	7.70	5.00	5.00	15S+8P+8P+15S	2204440-3
80.00	78.40	75.85	49.70	7.70	5.00	7.00	15S+8P+4HVP+15S	2204440-2
40.00	32.40	29.85	19.70	7.70	5.00	5.00	15S+2P+2P+15S	2204440-1
DIM L	DIM U	DIM N	DIM D	DIM W	DIM S	DIM T	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: THOMAS ZHAO 31OCT2012  
CHK: SUNY ZHAO 31OCT2012

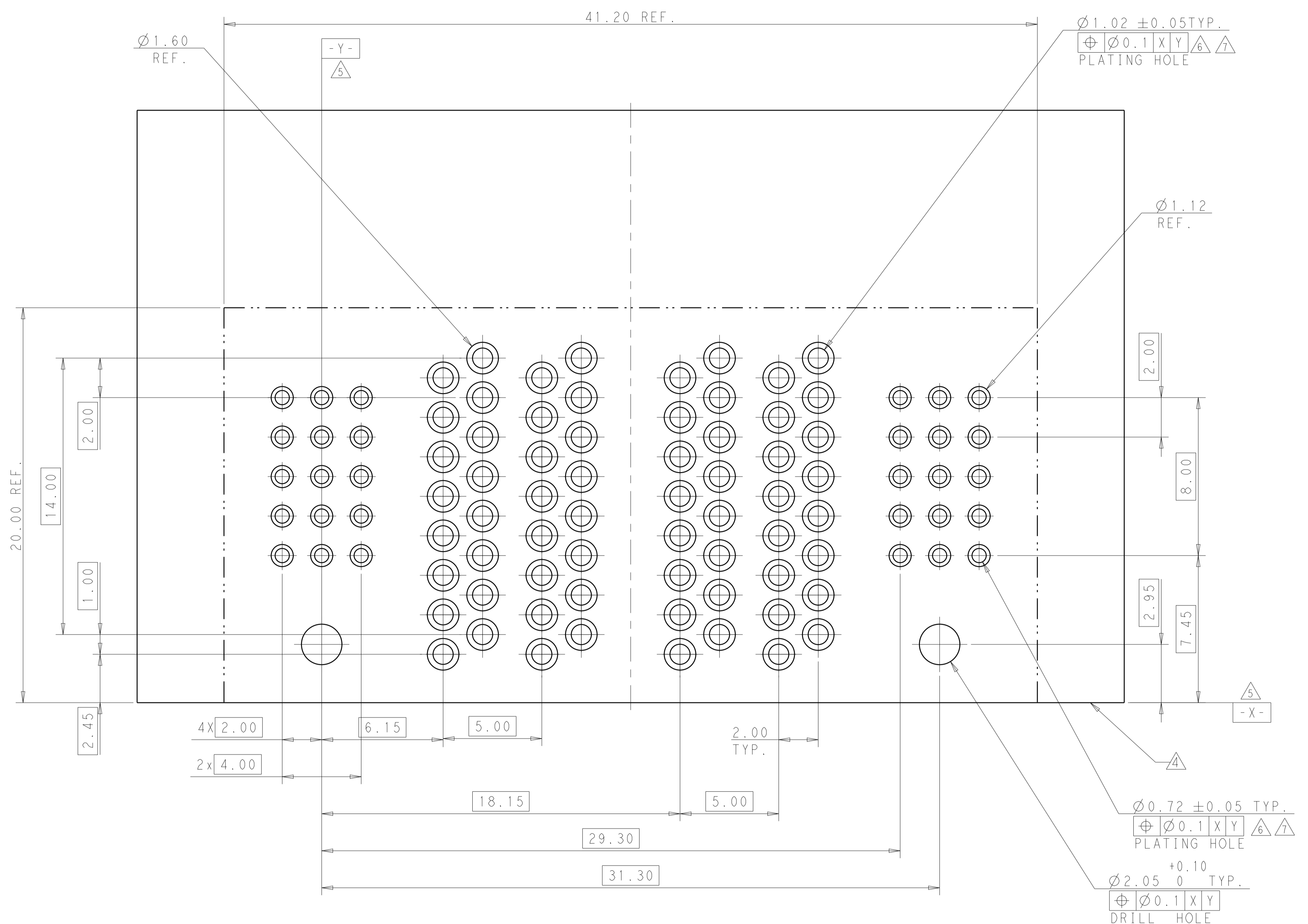
**STE** TE Connectivity

Customer Drawing  
MULTI-BEAM HD CONNECTOR  
R/A PLUG S+P+S

SIZE: A1 CAGE CODE: 2204440 DRAWING NO: 100779 ©=2204440

SCALE: 4:1 SHEET 1 OF 7 REV: A2

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



PCB LAYOUT FOR P/N: 2204440-1

PART NUMBER	ROWS	SIGNAL			POWER				SIGNAL					
		1	2	3	P1	P2	P3	P4	4	5	6			
2204440-1	E	[Symbol]			PH	PH	PH	PH	[Symbol]					
	D	SH	SH	SH					SH	SH	SH	SH	SH	SH
	C	SH	SH	SH					SH	SH	SH	SH	SH	SH
	B	SH	SH	SH					SH	SH	SH	SH	SH	SH
	A	SH	SH	SH					SH	SH	SH	SH	SH	SH

15S+2HP+2HP+15S

POWER CONTACT PRESS-FIT	PH
SIGNAL CONTACT PRESS-FIT STANDARD	SH1
SIGNAL CONTACT PRESS-FIT MLBF	SH2
SIGNAL/HP/SIGNAL WITH GUIDE	HOUSING
DESCRIPTION	CODE

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: THOMAS ZHAO 31OCT2012  
 CHK: SUNY ZHAO 31OCT2012  
 APVD: SUNY ZHAO 31OCT2012

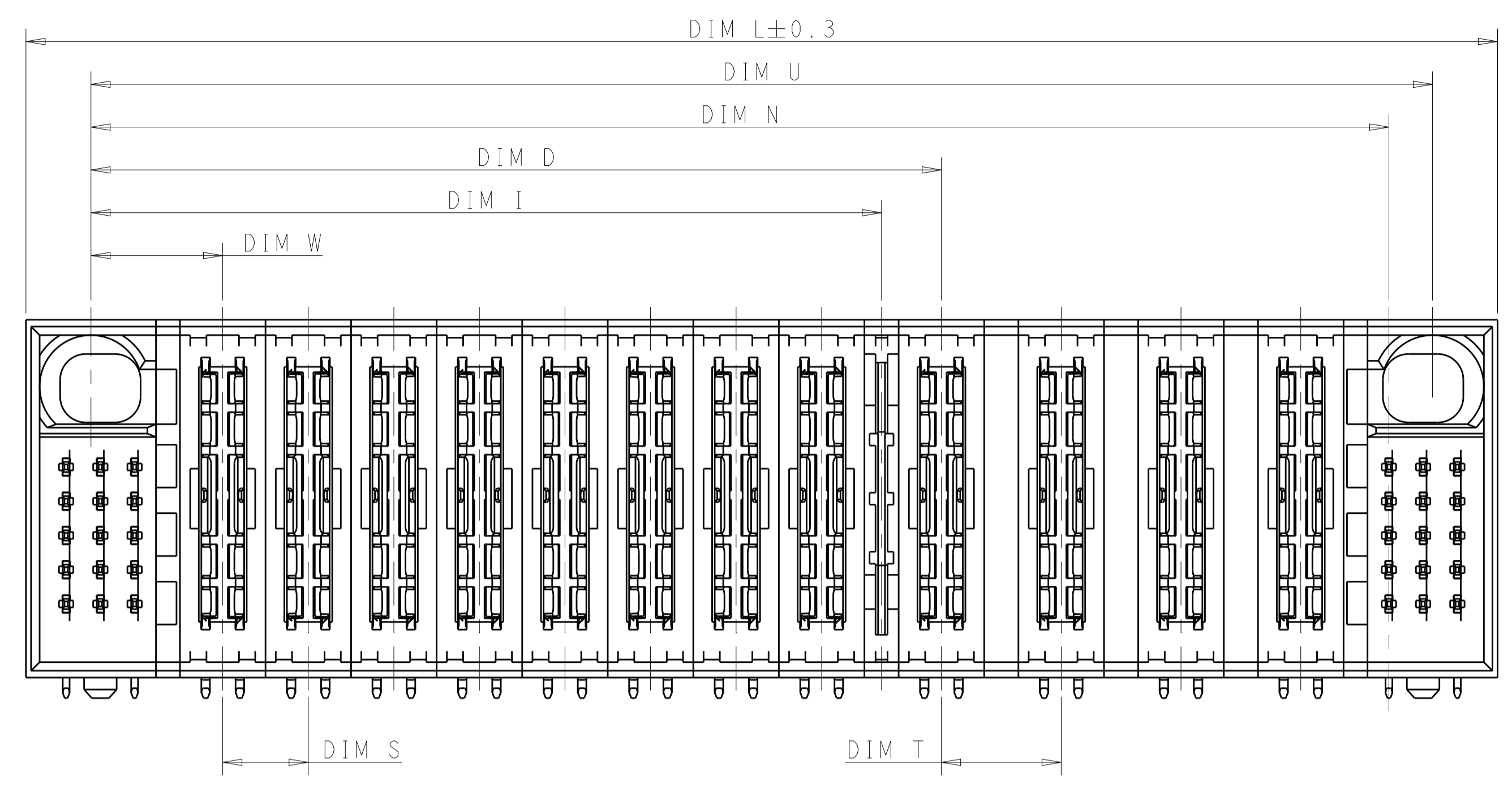
NAME: Customer Drawing  
 MULTI-BEAM HD CONNECTOR  
 R/A PLUG S+P+P+S

SIZE: A1 00779  
 CAGE CODE: 2204440  
 DRAWING NO: 2204440

SCALE: 4:1 SHEET 2 OF 7 REV A2

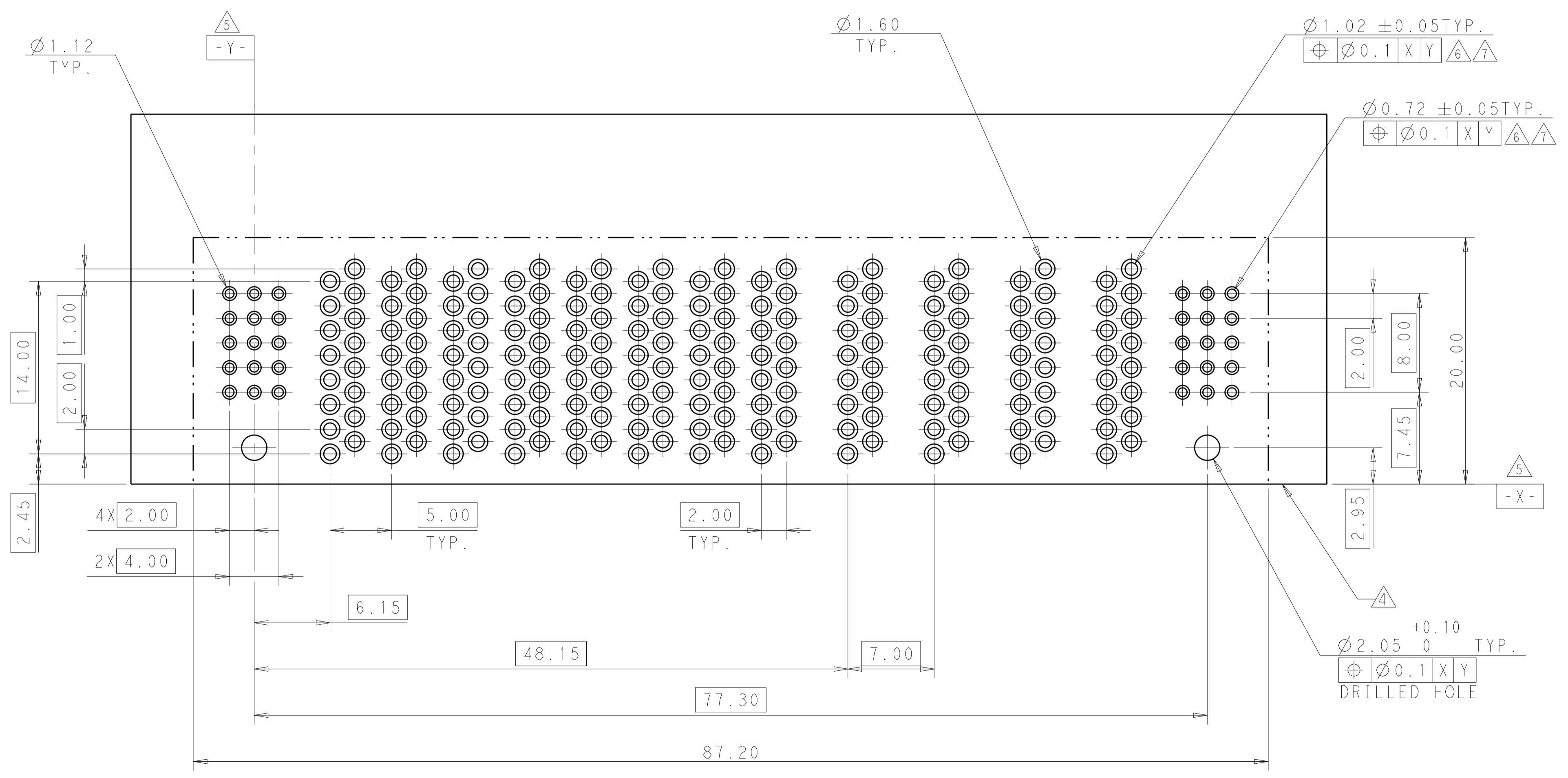
STE TE Connectivity

LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD		
-	-	SEE SHEET 1	-	-	-		



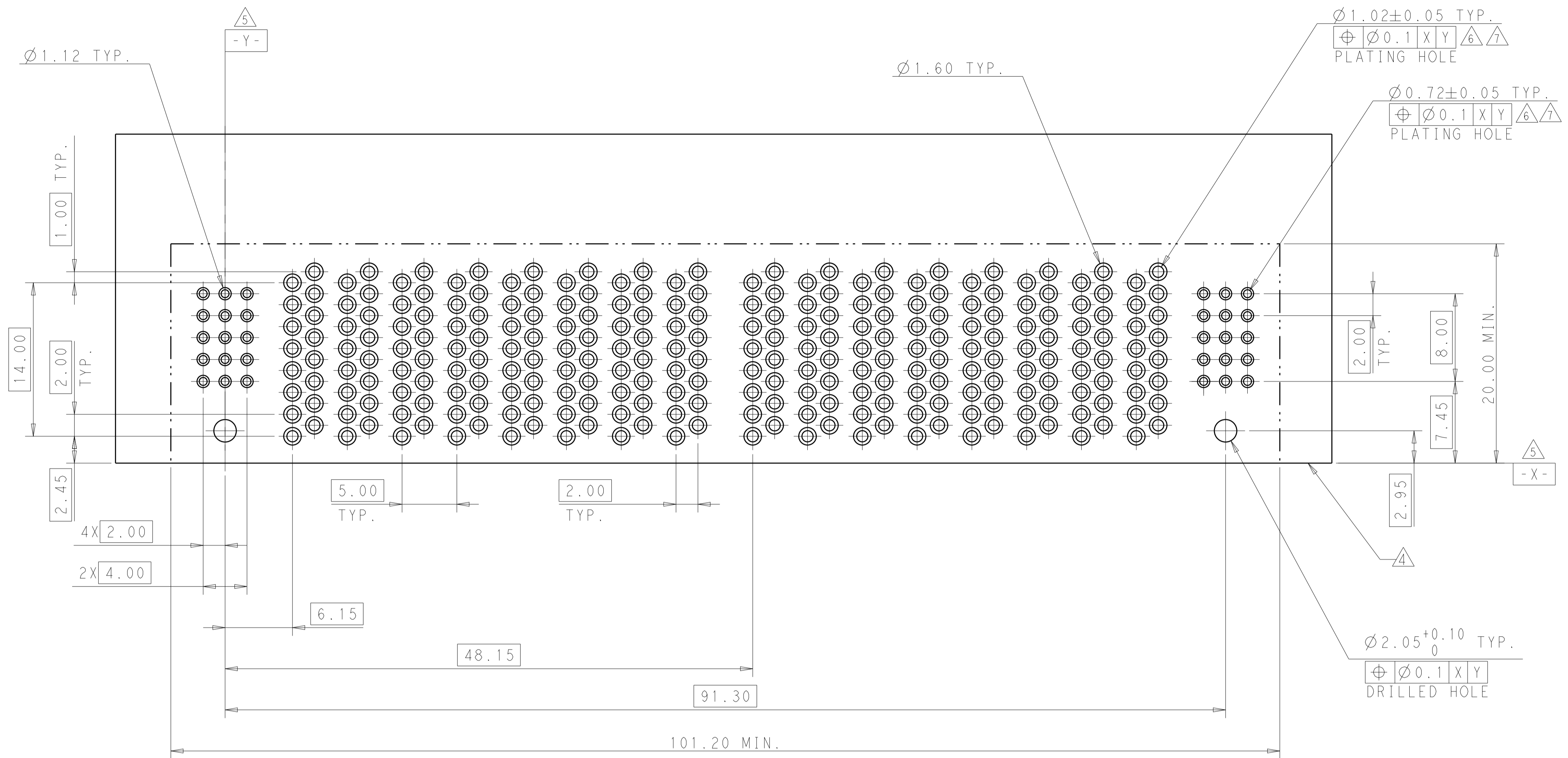
PART NUMBER	ROWS	SIGNAL			POWER												SIGNAL			
		1	2	3	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	4	5	6	
2204440-2	E	SHISHISHI			PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SHISHISHI
	D	SHISHISHI			PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SHISHISHI
	C	SHISHISHI			PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SHISHISHI
	B	SHISHISHI			PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SHISHISHI
	A	SHISHISHI			PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SHISHISHI

15S+8P+4HVP+15S



THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN THOMAS ZHAO 31OCT2012	 TE Connectivity												
DIMENSIONS: mm		CHK SUNY ZHAO 31OCT2012													
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SUNY ZHAO 31OCT2012	NAME Customer Drawing												
<table border="1"> <tr><td>0 PLC</td><td>±</td></tr> <tr><td>1 PLC</td><td>±0.4</td></tr> <tr><td>2 PLC</td><td>±0.75</td></tr> <tr><td>3 PLC</td><td>±1.5</td></tr> <tr><td>4 PLC</td><td>±</td></tr> <tr><td>ANGLES</td><td>±</td></tr> </table>		0 PLC	±	1 PLC	±0.4	2 PLC	±0.75	3 PLC	±1.5	4 PLC	±	ANGLES	±	PRODUCT SPEC	MULTI-BEAM HD CONNECTOR
0 PLC	±														
1 PLC	±0.4														
2 PLC	±0.75														
3 PLC	±1.5														
4 PLC	±														
ANGLES	±														
MATERIAL		APPLICATION SPEC	R/A PLUG S+P+S												
FINISH		SIZE CAGE CODE DRAWING NO	RESTRICTED TO												
		WEIGHT	A100779C=2204440												
CUSTOMER DRAWING		SCALE 4:1	SHEET 3 OF 7 REV A2												

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD
-	-	SEE SHEET 1	-	-	-

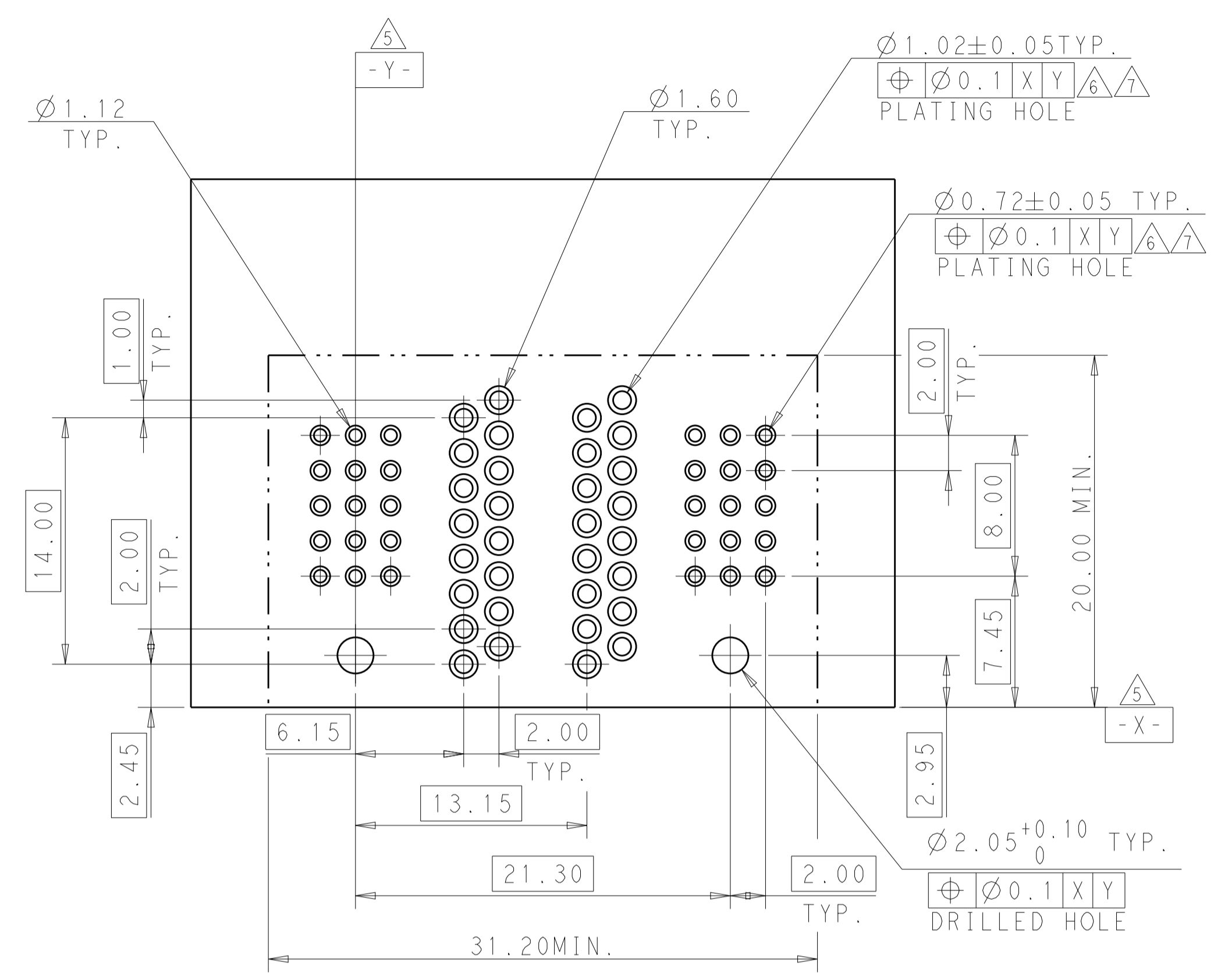


PART NUMBER	ROWS	SIGNAL			POWER												SIGNAL						
		1	2	3	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	4	5	6
2204440-3	E	SH	SH	SH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SH	SH	SH
	D	SH	SH	SH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SH	SH	SH
	C	SH	SH	SH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SH	SH	SH
	B	SH	SH	SH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SH	SH	SH
	A	SH	SH	SH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SH	SH	SH

15S+8P+8P+15S

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN THOMAS_ZHAO 31OCT2012	 TE Connectivity
DIMENSIONS: mm		CHK SUNY_ZHAO 31OCT2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.4 1 PLC ±0.4 2 PLC ±0.25 3 PLC ±0.15 4 PLC ±0.15 ANGLES ±°		APVD SUNY_ZHAO 31OCT2012	NAME Customer Drawing
MATERIAL		FINISH	PRODUCT SPEC
		WEIGHT	APPLICATION SPEC
		CUSTOMER DRAWING	RESTRICTED TO
		SCALE 4:1	SIZE A1
		SHEET 4 OF 7	REV A2

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



LAYOUT FOR PART NUMBER:  
2204440-5/2204440-6

PART NUMBER	ROWS	SIGNAL			POWER		SIGNAL		
		1	2	3	P1	P2	4	5	6
2204440-5	E	SHISHISHI			PH	PH	SHISHISHI		
	D	SHISHISHI					SHISHISHI		
	C	SHISHISHI					SHISHISHI		
	B	SHISHISHI					SHISHISHI		
	A	SHISHISHI					SHISHISHI		
15S+IP+IP+15S									

PART NUMBER	ROWS	SIGNAL			POWER		SIGNAL		
		1	2	3	P1	P2	4	5	6
2204440-6	E	SHISHISHI			PH	PH	SHISHISHI		
	D	SHISHISHI					SHISHISHI		
	C	SHISHISHI					SHISHISHI		
	B	SHISHISHI					SHISHISHI		
	A	SHISHISHI					SHISHISHI		
15S+IP+IP+12S									

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: THOMAS ZHAO 31OCT2012  
CHK: SUNY ZHAO 31OCT2012  
APVD: SUNY ZHAO 31OCT2012

NAME: Customer Drawing  
MULTI-BEAM HD CONNECTOR  
R/A PLUG S+P+P+S

SIZE: A1  
CAGE CODE: 100779  
DRAWING NO: C=2204440

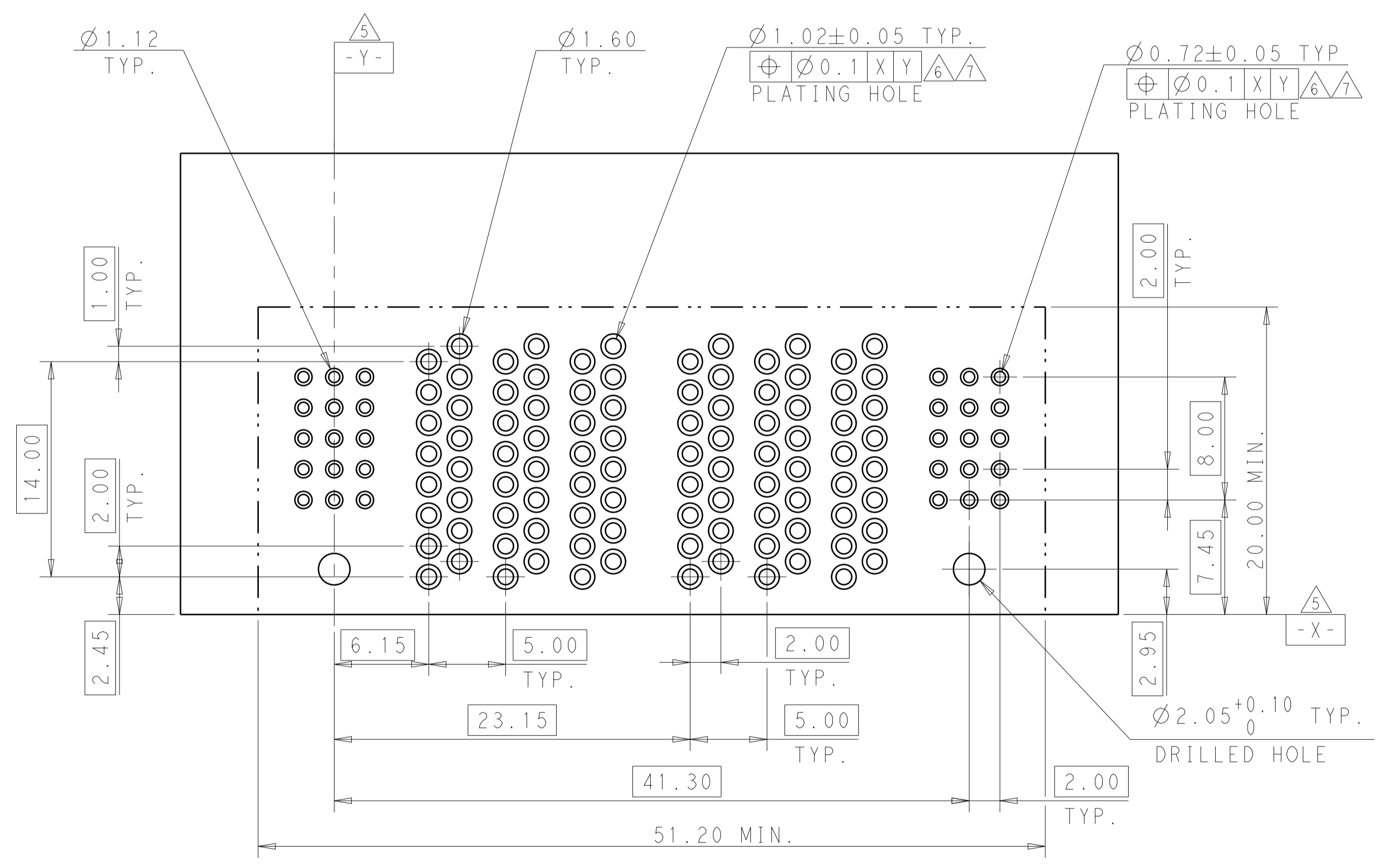
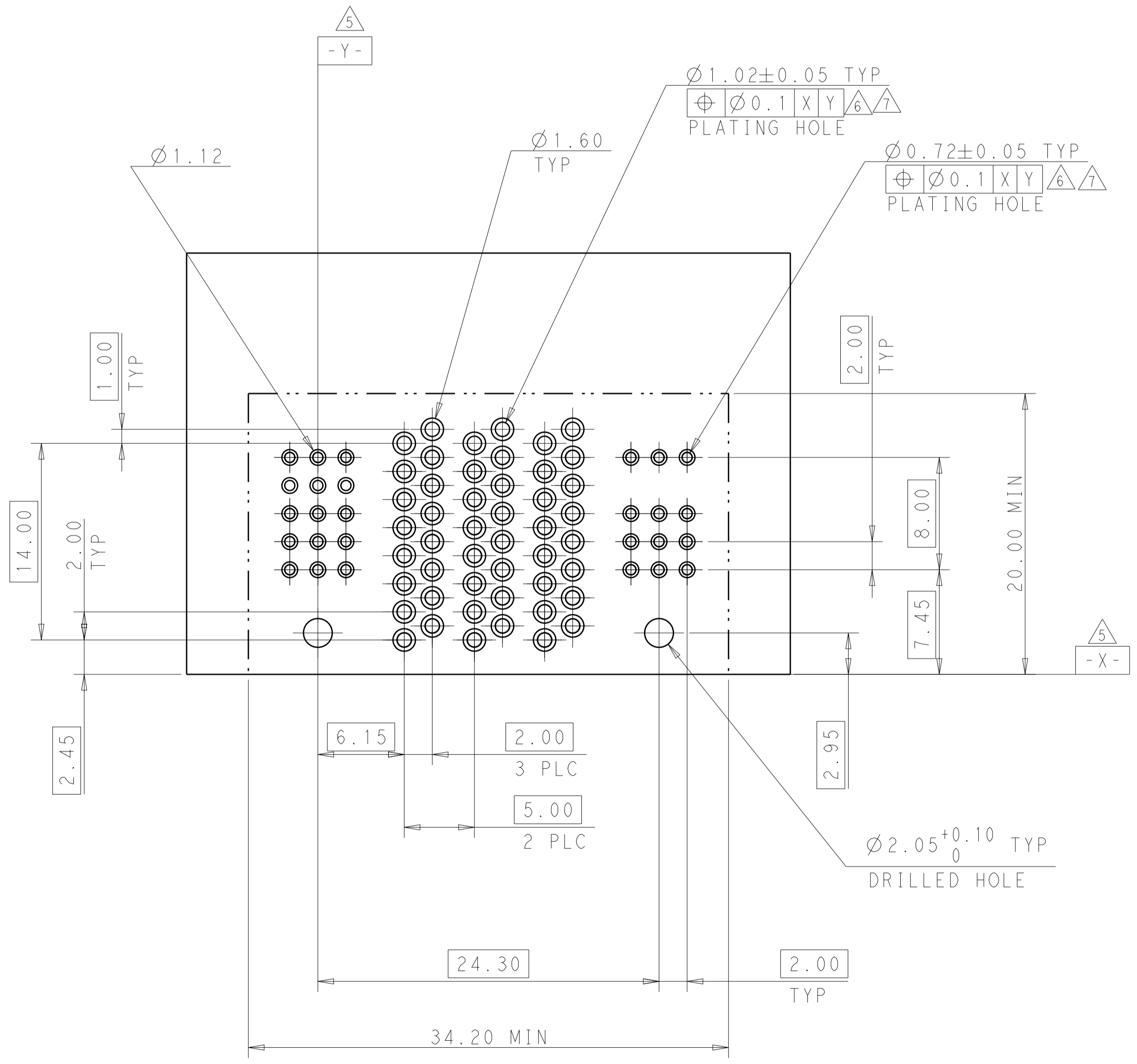
SCALE: 4:1  
SHEET: 5 OF 7  
REV: A2

TE Connectivity

LOC		DIST		REVISIONS			
P	LTN	DESCRIPTION	DATE	DMN	APVD		
-	-	SEE SHEET 1	-	-	-		

PART NUMBER	ROWS	SIGNAL			POWER			SIGNAL		
		1	2	3	P1	P2	P3	4	5	6
2204440-7	E	SH	SH	SH	PH	PH	PH	SH	SH	SH
	D	SH	SH	SH						
	C	SH	SH	SH				SH	SH	SH
	B	SH	SH	SH				SH	SH	SH
	A	SH	SH	SH				SH	SH	SH
15S+3P+12S										

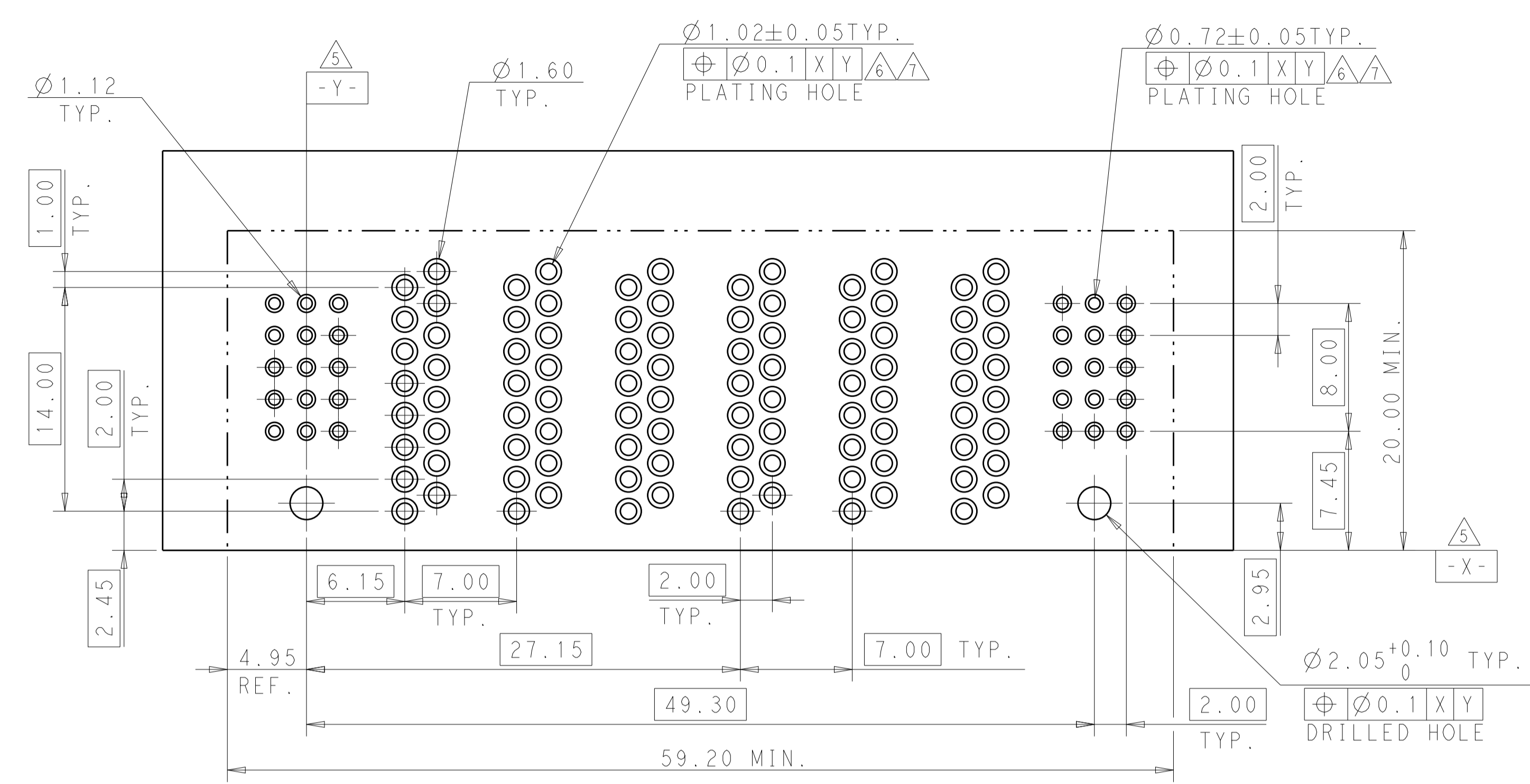
PART NUMBER	ROWS	SIGNAL			POWER						SIGNAL		
		1	2	3	P1	P2	P3	P4	P5	P6	4	5	6
2204440-8	E	SH	SH	SH	PH	PH	PH	PH	PH	PH	SH	SH	SH
	D	SH	SH	SH							SH	SH	SH
	C	SH	SH	SH							SH	SH	SH
	B	SH	SH	SH							SH	SH	SH
	A	SH	SH	SH							SH	SH	SH
15S+3P+3P+15S													



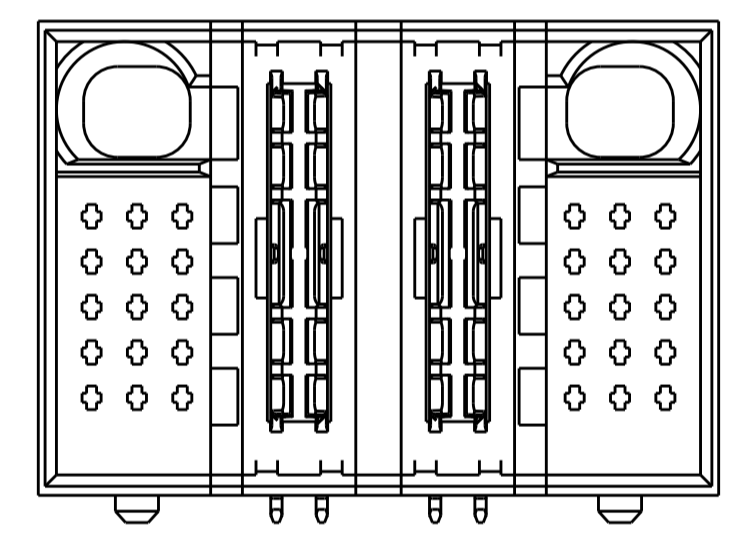
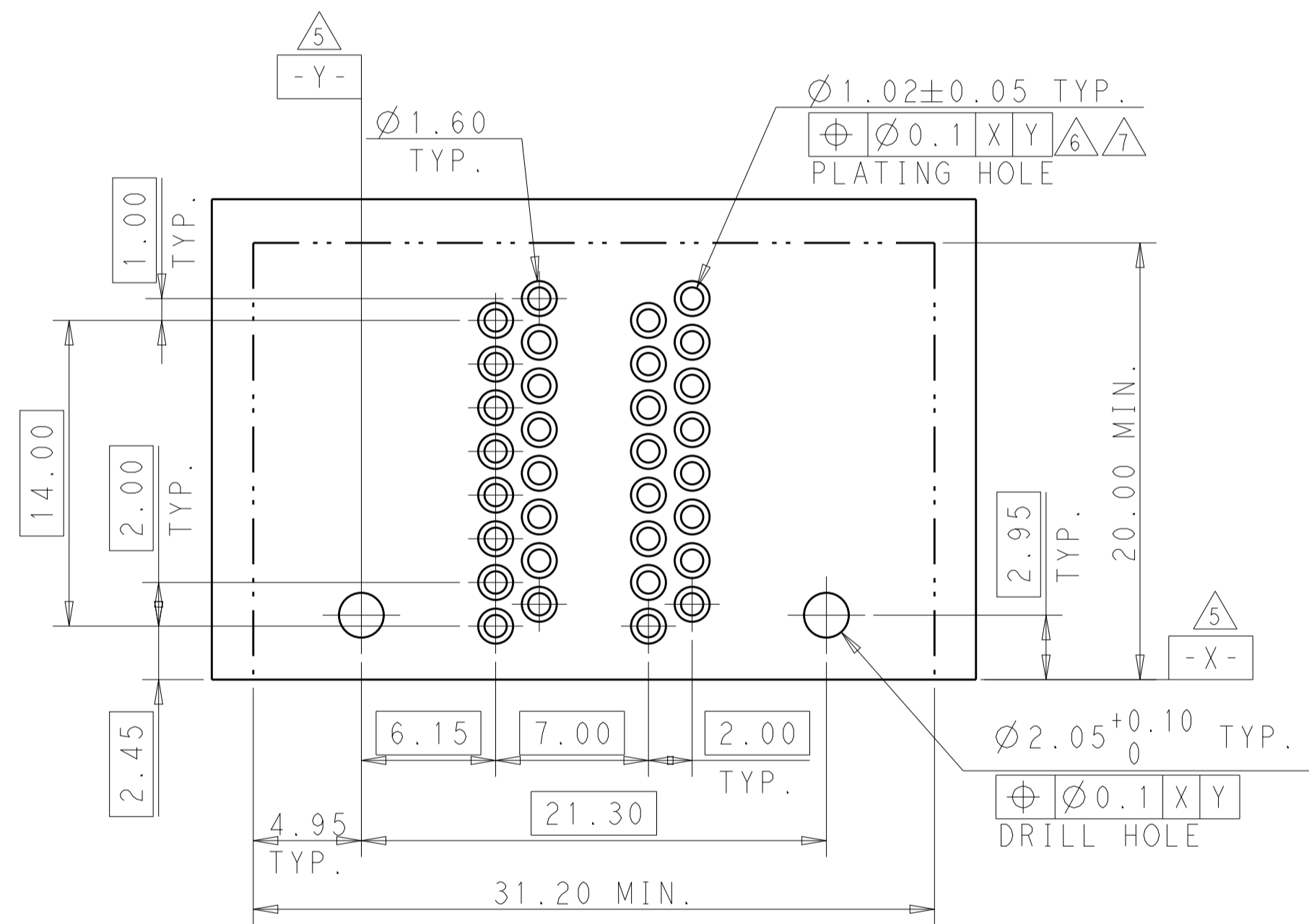
PCB LAYOUT FOR PART NUMBER: 2204440-8/1-2204440-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DMN THOMAS ZHAO 31OCT2012	 TE Connectivity
DIMENSIONS: mm		CHK SUNY ZHAO 31OCT2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SUNY ZHAO 31OCT2012	NAME Customer Drawing
0 PLC ±0.4		PRODUCT SPEC	MULTI-BEAM HD CONNECTOR
1 PLC ±0.4		APPLICATION SPEC	R/A PLUG S+P+S
2 PLC ±0.75		SIZE CAGE CODE DRAWING NO	A100779C=2204440
3 PLC ±1.5		RESTRICTED TO	
4 PLC ±		WEIGHT	
ANGLES ±		CUSTOMER DRAWING	SCALE 4:1 SHEET 6 OF 7 REV A2
MATERIAL	FINISH		

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



PART NUMBER	ROWS	SIGNAL			POWER						SIGNAL			
		1	2	3	P1	P2	P3	P4	P5	P6	4	5	6	
2204440-9	E	SH SH SHI			PH	PH	PH	PH	PH	PH	PH	SH SH SHI		
	D	SH SH SHI										SH SH SHI		
	C	SH SH SHI										SH SH SHI		
	B	SH SH SHI										SH SH SHI		
	A	SH SH SHI										SH SH SHI		
15S+3HVP+3HVP+15S														



PART NUMBER	ROWS	POWER	
		P1	P2
1-2204440-0	E	PH	PH
	D		
	C		
	B		
	A		
0S+1P+1P+0S			

PART NUMBER	ROWS	SIGNAL			POWER						SIGNAL			
		1	2	3	P1	P2	P3	P4	P5	P6	4	5	6	
1-2204440-1	E	SH SH SHI	SH SH SHI	SH SH SHI	PH	PH	PH	PH	PH	PH	PH	SH SH SHI	SH SH SHI	SH SH SHI
	D	SH SH SHI	SH SH SHI	SH SH SHI								SH SH SHI	SH SH SHI	SH SH SHI
	C	SH SH SHI	SH SH SHI	SH SH SHI								SH SH SHI	SH SH SHI	SH SH SHI
	B	SH SH SHI	SH SH SHI	SH SH SHI								SH SH SHI	SH SH SHI	SH SH SHI
	A	SH SH SHI	SH SH SHI	SH SH SHI								SH SH SHI	SH SH SHI	SH SH SHI
15S+3P+3P+15S														

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN THOMAS ZHAO 31OCT2012	TE Connectivity
DIMENSIONS: mm		CHK SUNY ZHAO 31OCT2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD SUNY ZHAO 31OCT2012	NAME Customer Drawing MULTI-BEAM HD CONNECTOR R/A PLUG S+P+S
0 PLC ±0.4		PRODUCT SPEC	
1 PLC ±0.4		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO A100779C=2204440
2 PLC ±0.75		WEIGHT	
3 PLC ±1.0		CUSTOMER DRAWING	SCALE 4:1 SHEET 7 OF 7 REV A2
4 PLC ±1.5			
ANGLES ±°			
FINISH			