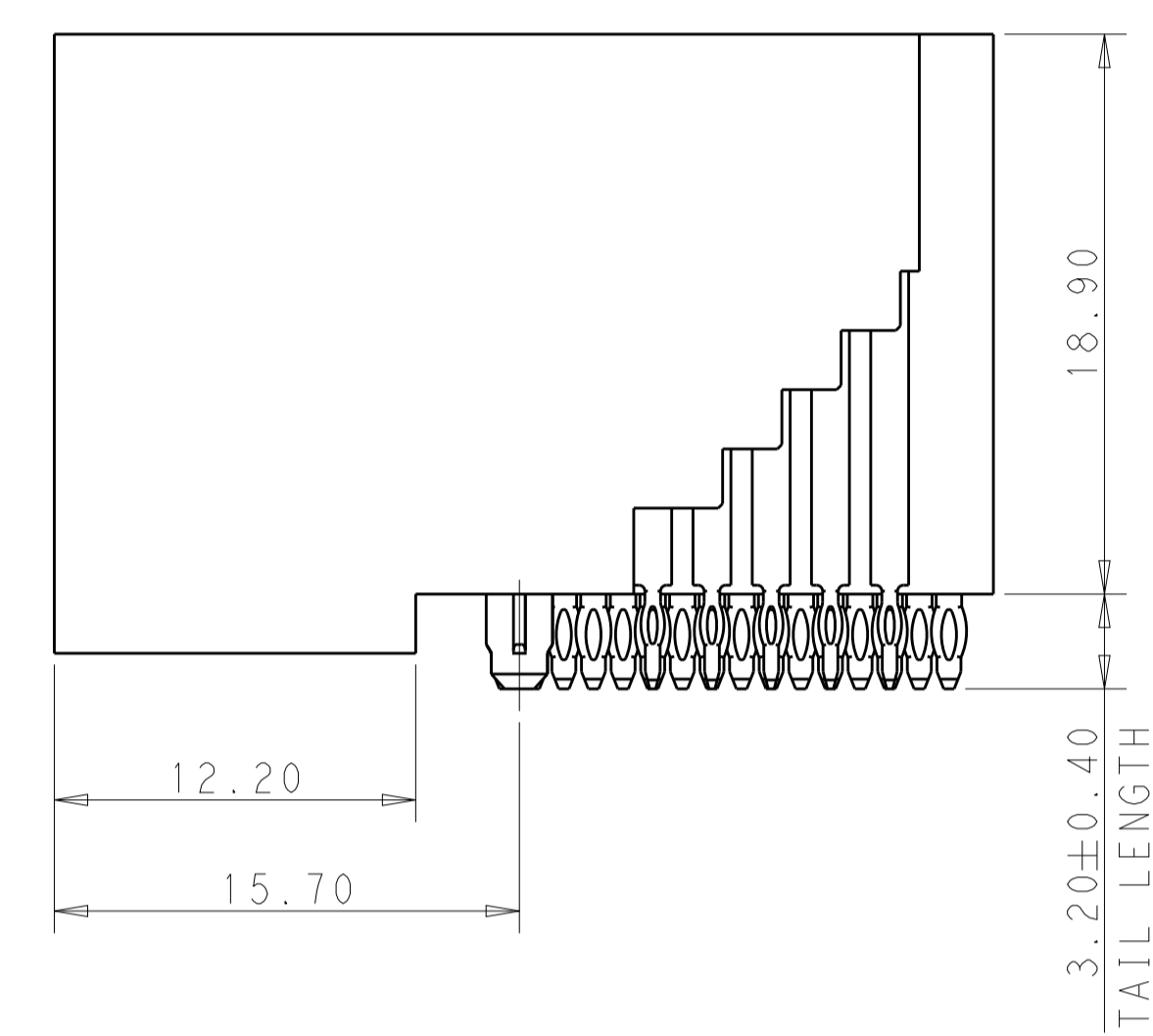
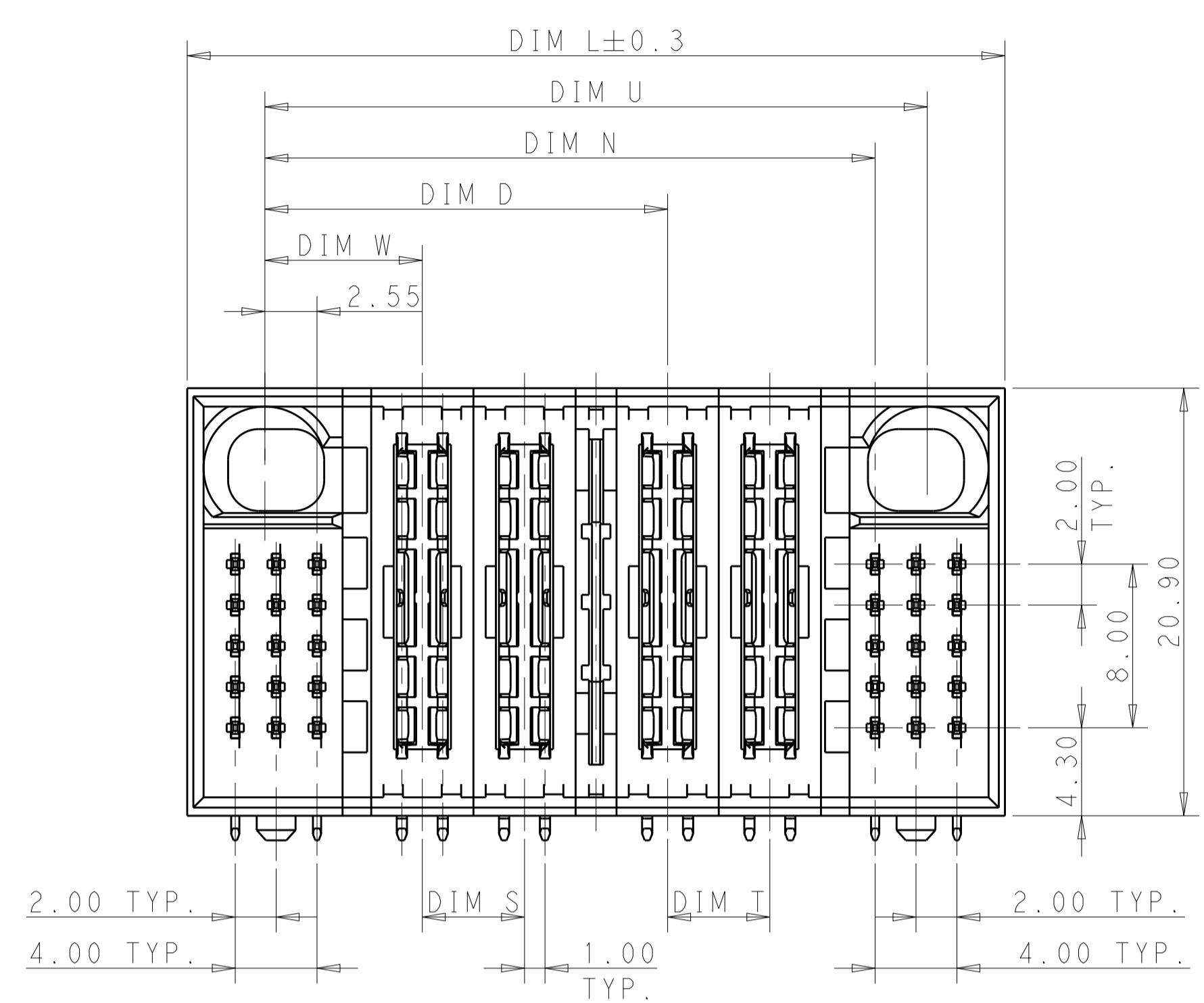
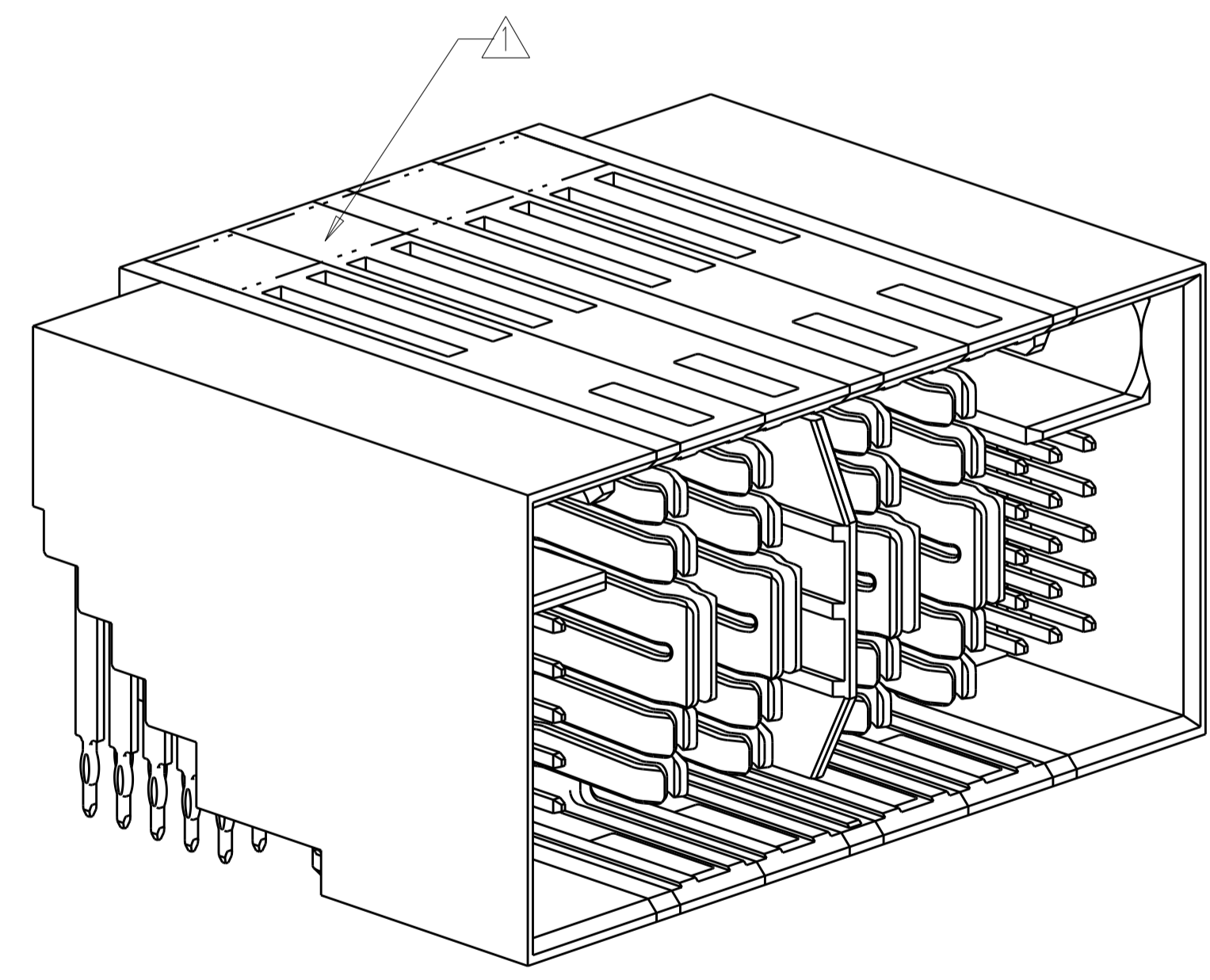
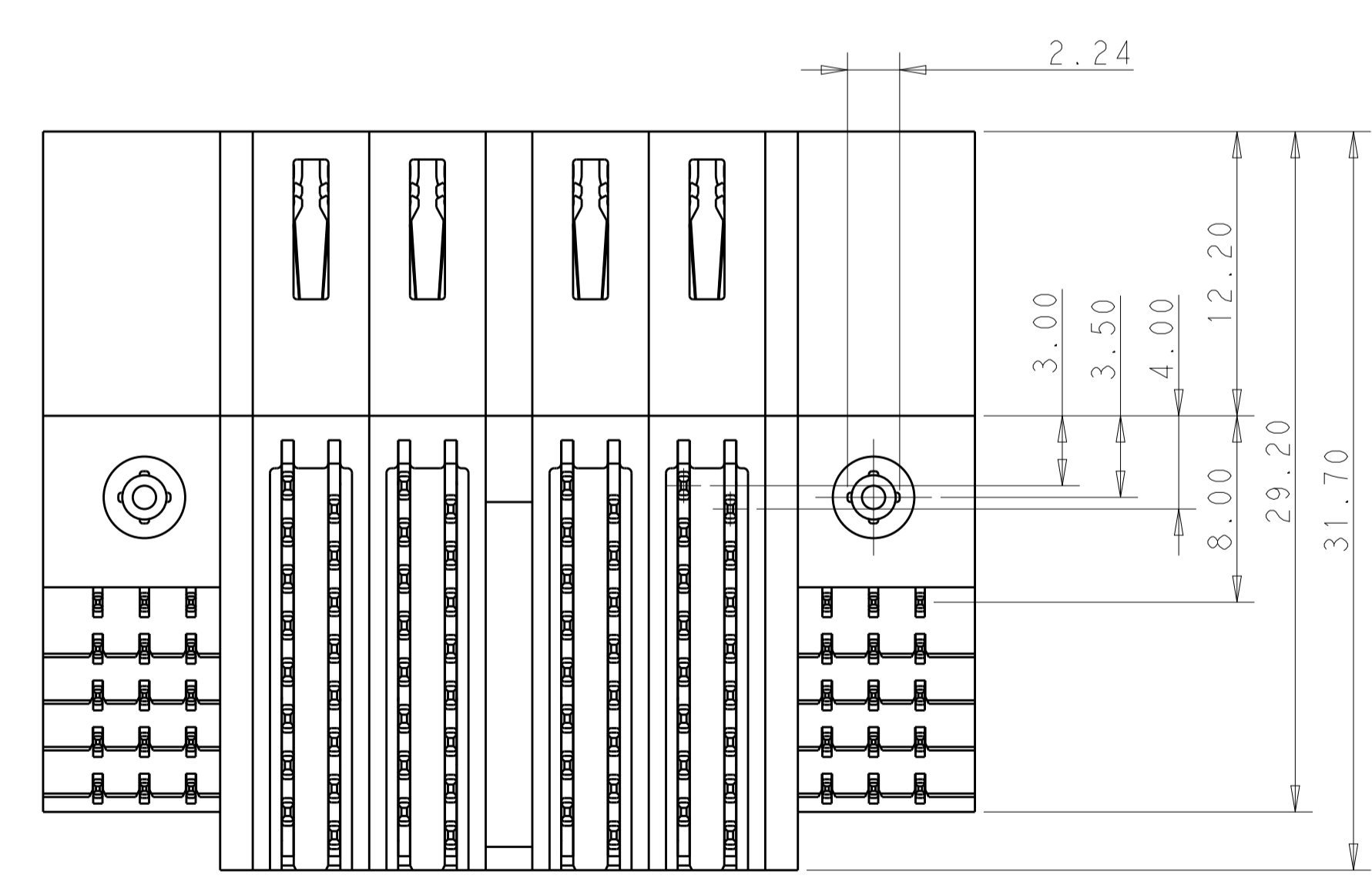


LOC	DIST	REVISIONS			
		REV	DATE	BY	APPV
		A1	24DEC2015	TZ	SZ
		A2	19DEC2016	TZ	SZ



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.

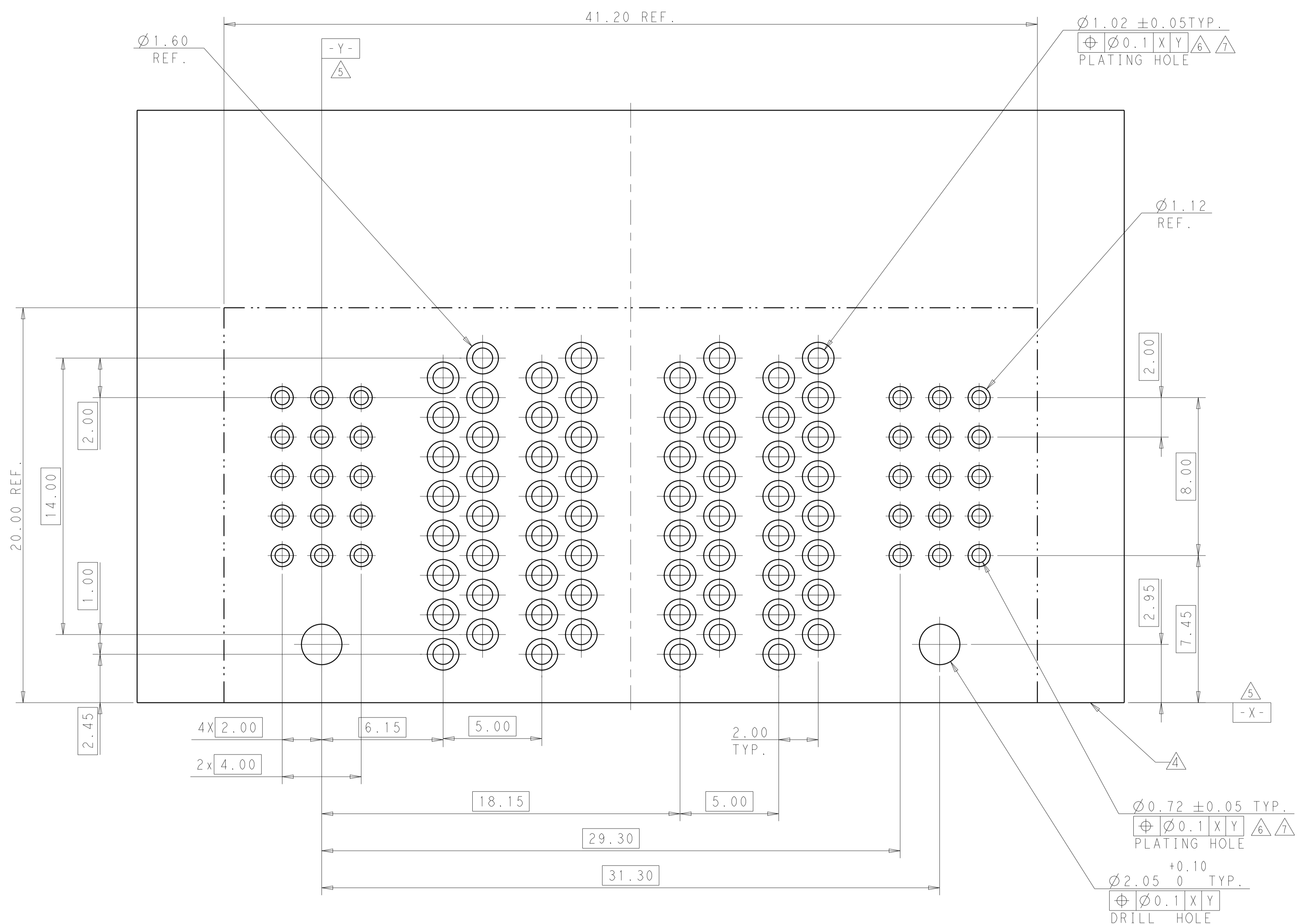


50.00	42.40	39.85	24.70	7.70	5.00	5.00	15S+3P+3P+15S	1-2204440-1
30.0	22.40	19.85	14.70	7.70	-	-	0S+1P+1P+0S	1-2204440-0
58.00	50.40	47.85	28.70	7.70	7.00	7.00	15S+3HVP+3HVP+15S	2204440-9
50.00	42.40	39.85	24.70	7.70	5.00	5.00	15S+3P+3P+15S	2204440-8
33.00	25.40	22.85	-	7.70	5.00	-	15S+3P+12S	2204440-7
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. DIMENSIONS: mm. 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 ±°. MATERIAL: 2. FINISH: 3.

APPROVED: THOMAS ZHAO (31OCT2012), SUNY ZHAO (31OCT2012). NAME: Customer Drawing MULTI-BEAM HD CONNECTOR R/A PLUG S+P+S. SIZE: A1. CAGE CODE: 2204440. SCALE: 4:1. SHEET 1 OF 7. REV: A2.

LOC		DIST		REVISIONS			
P	LTH	DESCRIPTION	DATE	DWN	APVD		
-	-	SEE SHEET 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

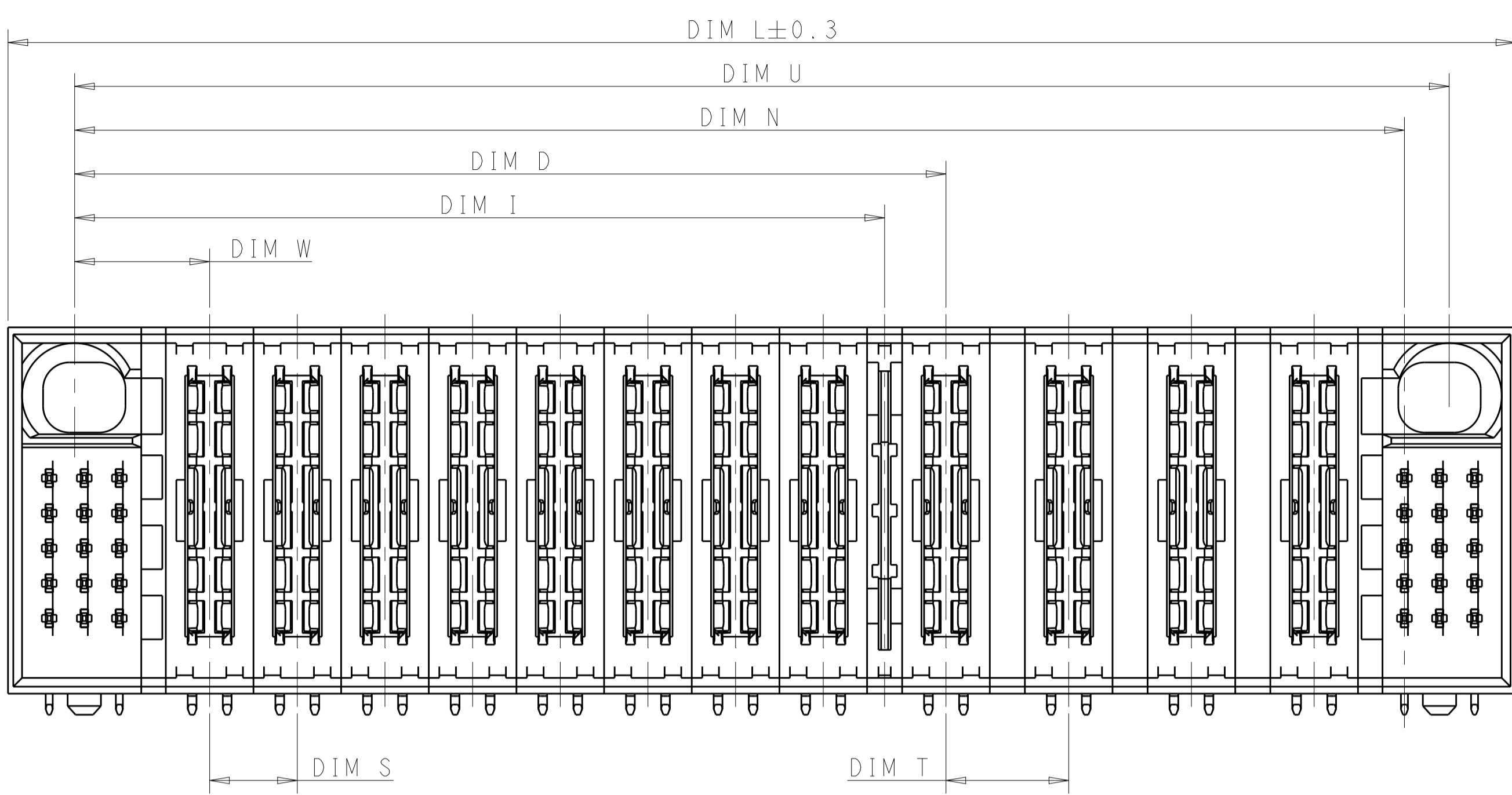
NAME: Customer Drawing  
 MULTI-BEAM HD CONNECTOR  
 R/A PLUG S+P+S

SIZE: A1 CAGE CODE: 2204440 DRAWING NO: 2204440  
 WEIGHT: - RESTRICTED TO: -

CUSTOMER DRAWING SCALE: 4:1 SHEET: 2 OF 7 REV: A2

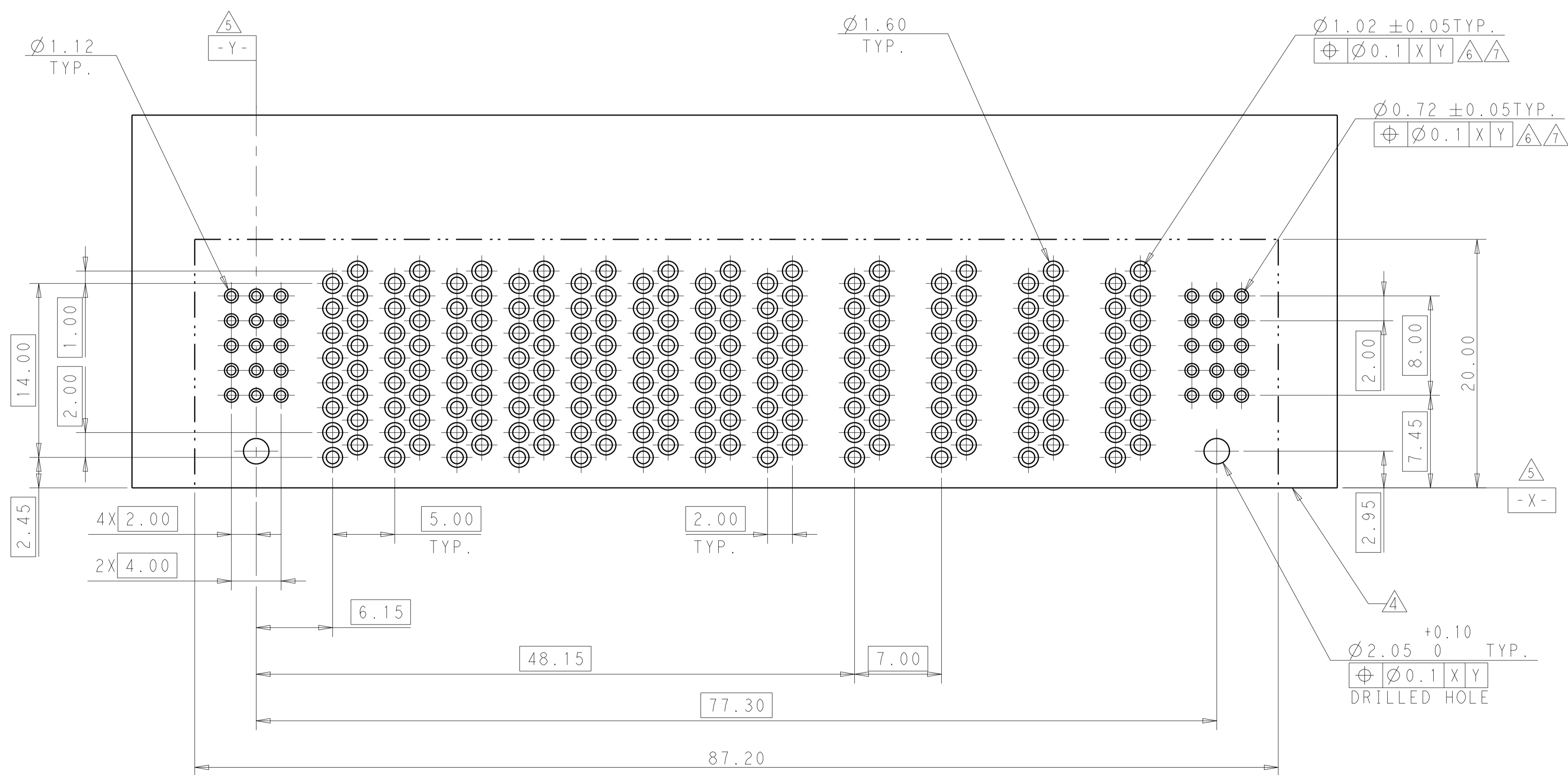
TE Connectivity

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



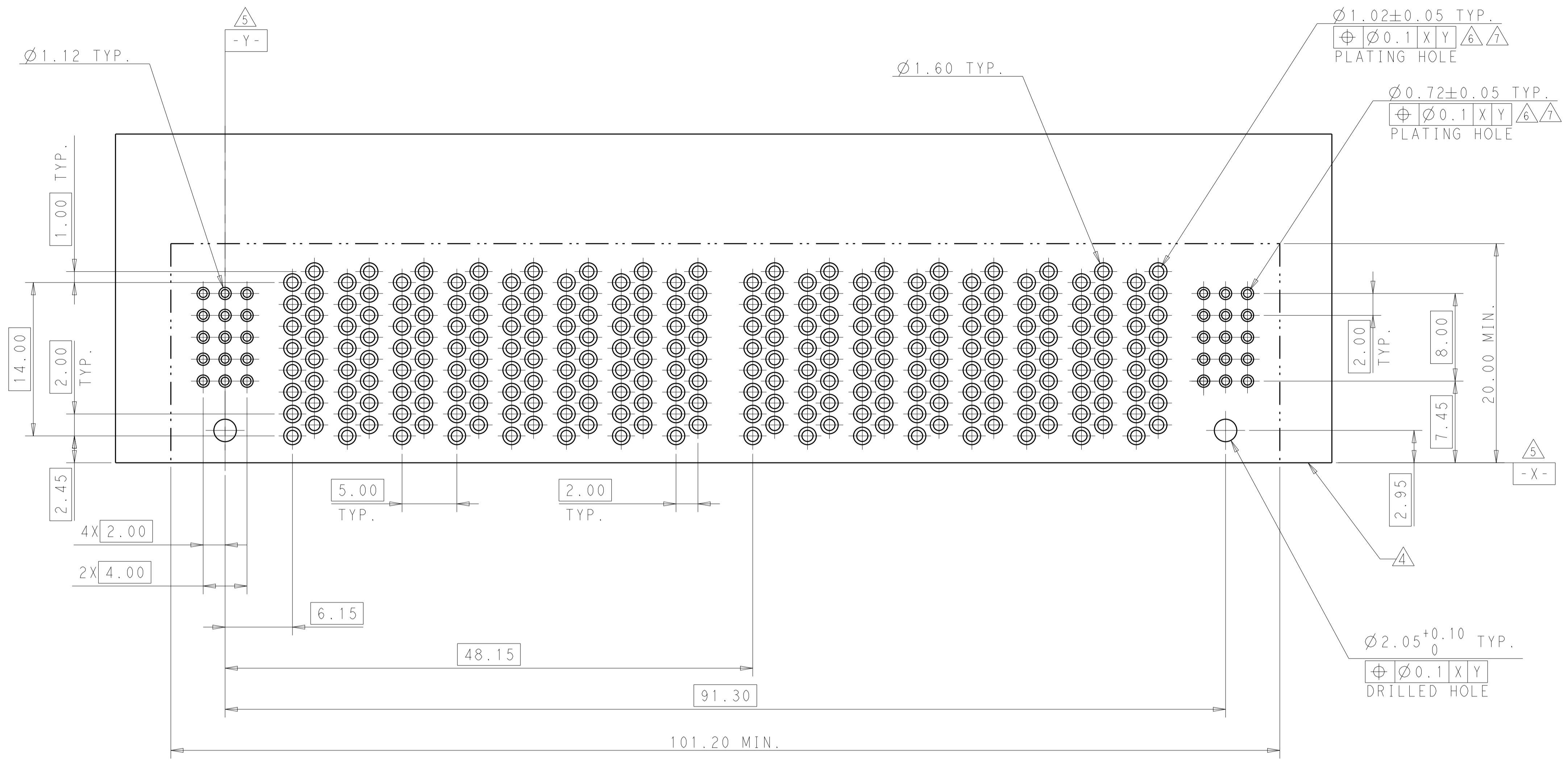
PART NUMBER	ROWS	SIGNAL			POWER												SIGNAL			
		1	2	3	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	4	5	6	
2204440-2	E	SHISHISHI			PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SHISHISHI
	D	SHISHISHI			PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SHISHISHI
	C	SHISHISHI			PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	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
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	RESTRICTED TO
3 PLC ±1.15		WEIGHT	A100779C=2204440
4 PLC ±1.5		CUSTOMER DRAWING	SCALE 4:1 SHEET 3 OF 7 REV A2
ANGLES ±°			

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

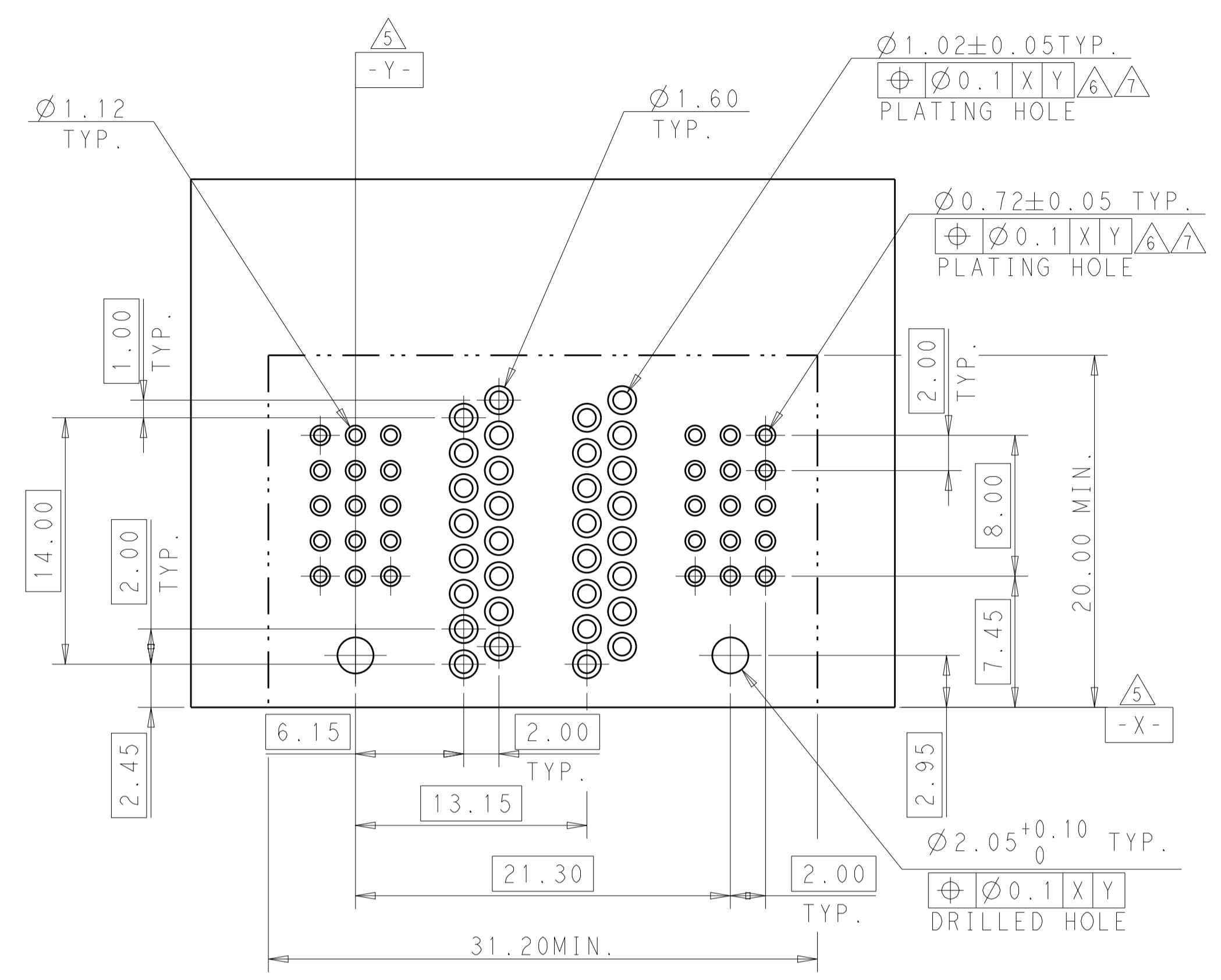


PART NUMBER	ROWS	SIGNAL			POWER												SIGNAL						
		1	2	3	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	4	5	6
2204440-3	E	SH	SH	SH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SH	SH	SH
	D	SH	SH	SH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	PH	SH	SH	SH
	C	SH	SH	SH	PH	PH	PH	PH	PH	PH	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:		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+P+S
2 PLC ±0.75		SIZE CAGE CODE DRAWING NO	RESTRICTED TO
3 PLC ±1.5		WEIGHT	A100779C=2204440
4 PLC ±		CUSTOMER DRAWING	SCALE 4:1 SHEET 4 OF 7 REV A2
ANGLES ±			
FINISH			

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	[Diagram]			[Diagram]		[Diagram]		
	D	SH	SH	SH	PH	PH	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+1P+1P+15S									

PART NUMBER	ROWS	SIGNAL			POWER		SIGNAL		
		1	2	3	P1	P2	4	5	6
2204440-6	E	[Diagram]			[Diagram]		[Diagram]		
	D	SH	SH	SH	PH	PH	SH	SH	SH
	C	SH	SH	SH			SH	SH	SH
	B	SH	SH	SH			SH	SH	SH
	A	SH	SH	SH			SH	SH	SH2
15S+1P+1P+12S									

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: THOMAS\_ZHAO 31OCT2012  
CHK: SUNY\_ZHAO 31OCT2012  
APVD: SUNY\_ZHAO 31OCT2012

**STE** TE Connectivity

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

SIZE: A1 CAGE CODE: 100779 DRAWING NO: 2204440

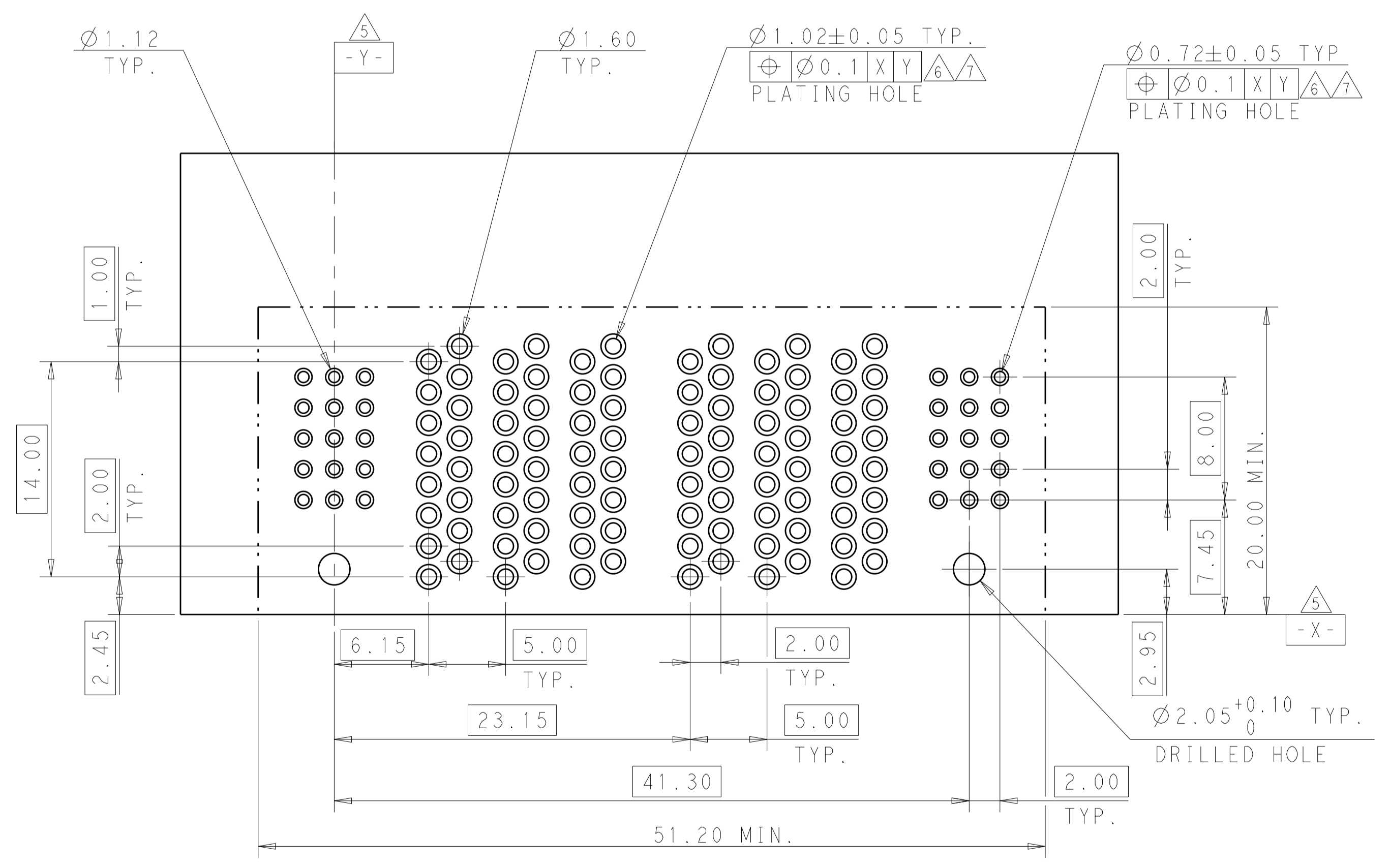
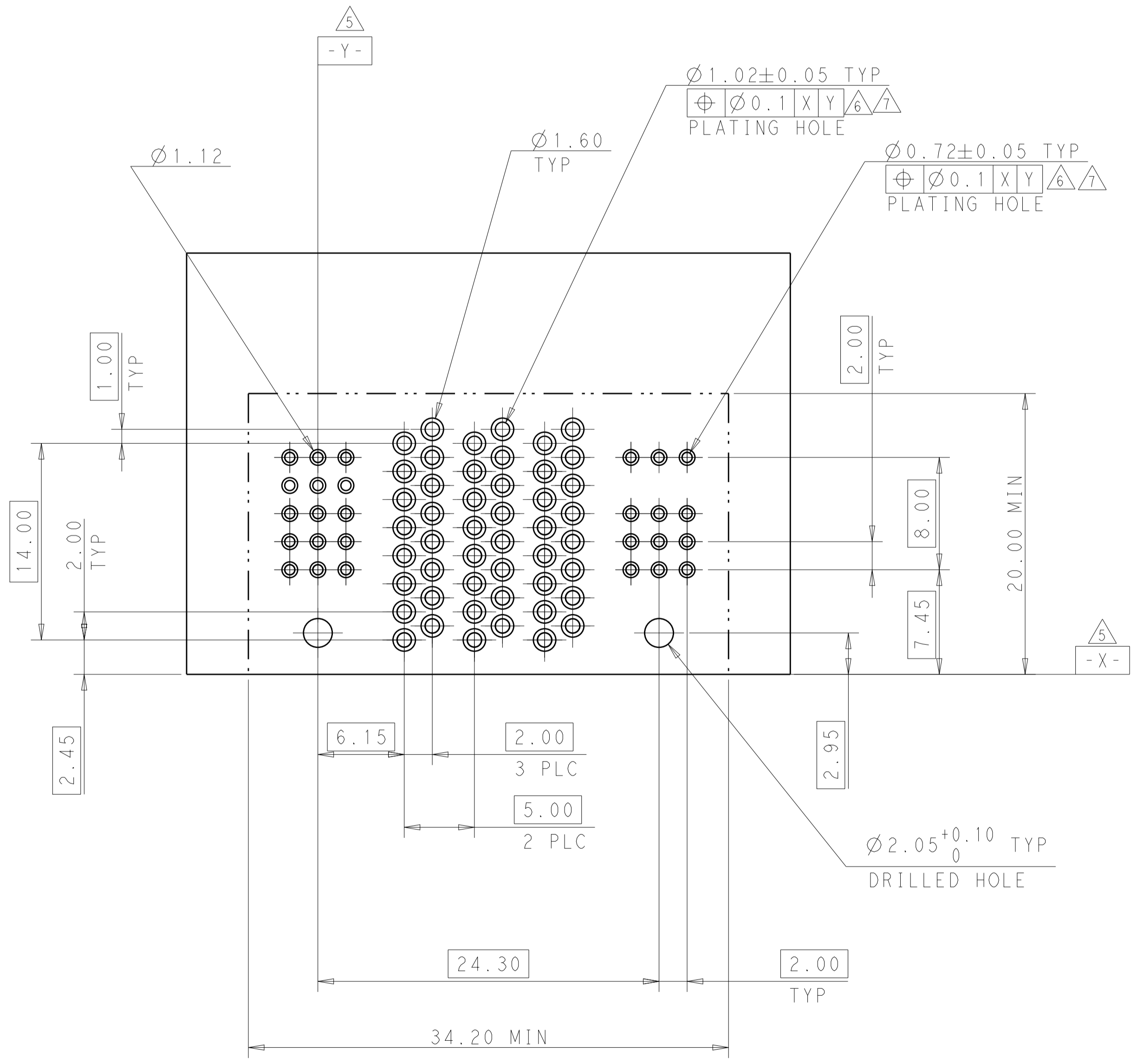
MATERIAL: - FINISH: - WEIGHT: -

CUSTOMER DRAWING SCALE: 4:1 SHEET: 5 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	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										

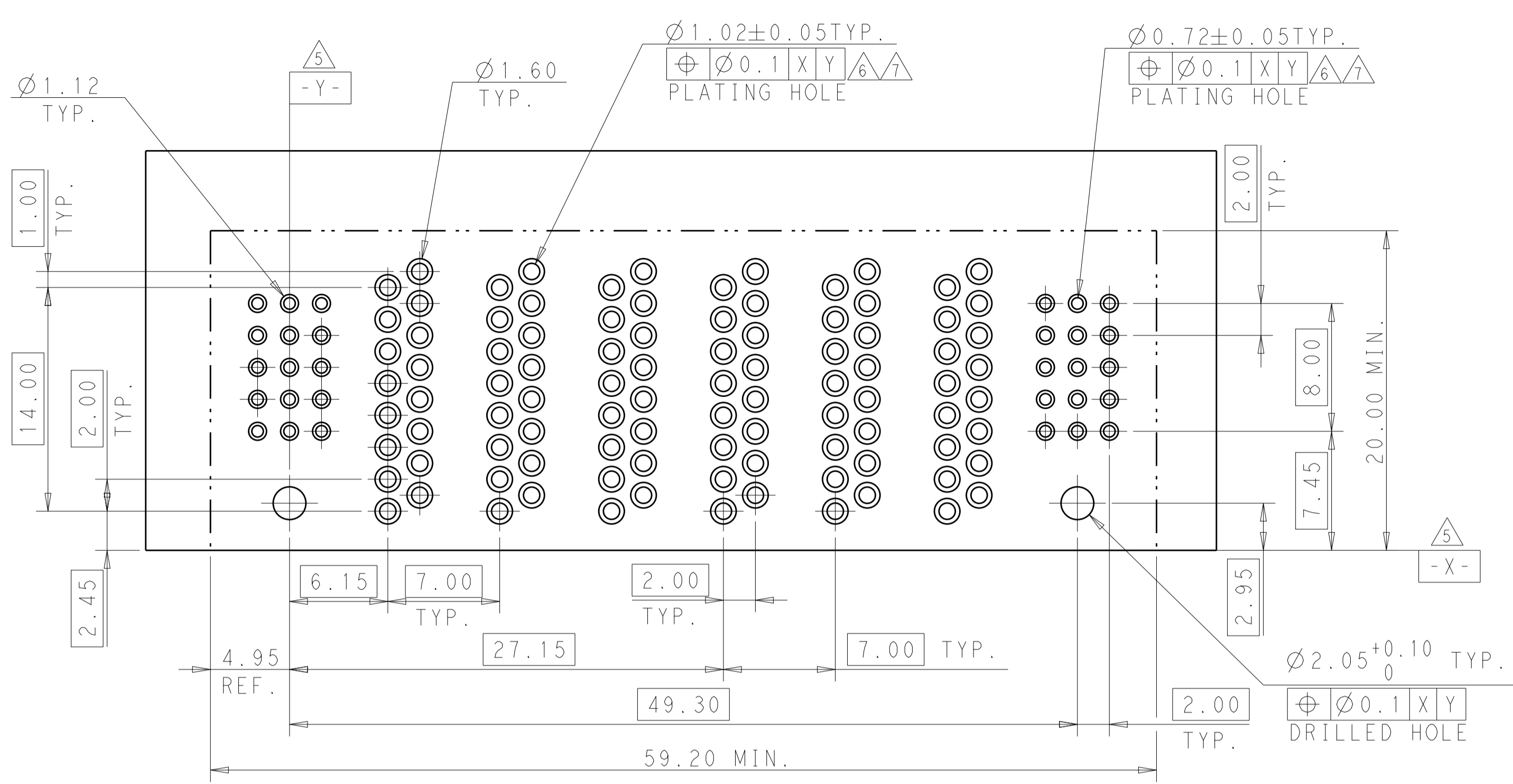
PART NUMBER	ROWS	SIGNAL			POWER						SIGNAL		
		1	2	3	P1	P2	P3	P4	P5	P6	4	5	6
2204440-8	E	SH	SH	SH	PH	PH	PH	PH	PH	PH	SH	SH	SH
	D	SH	SH	SH							SH	SH	SH
	C	SH	SH	SH							SH	SH	SH
	B	SH	SH	SH							SH	SH	SH
	A	SH	SH	SH							SH	SH	SH
15S+3P+3P+15S													



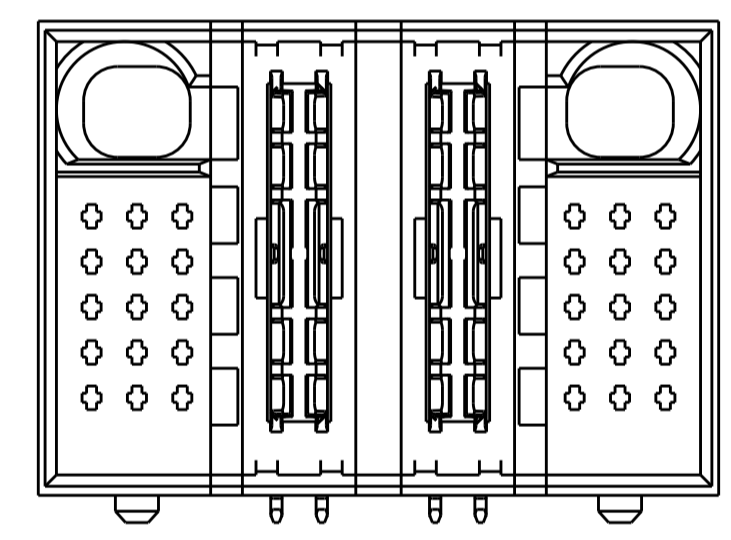
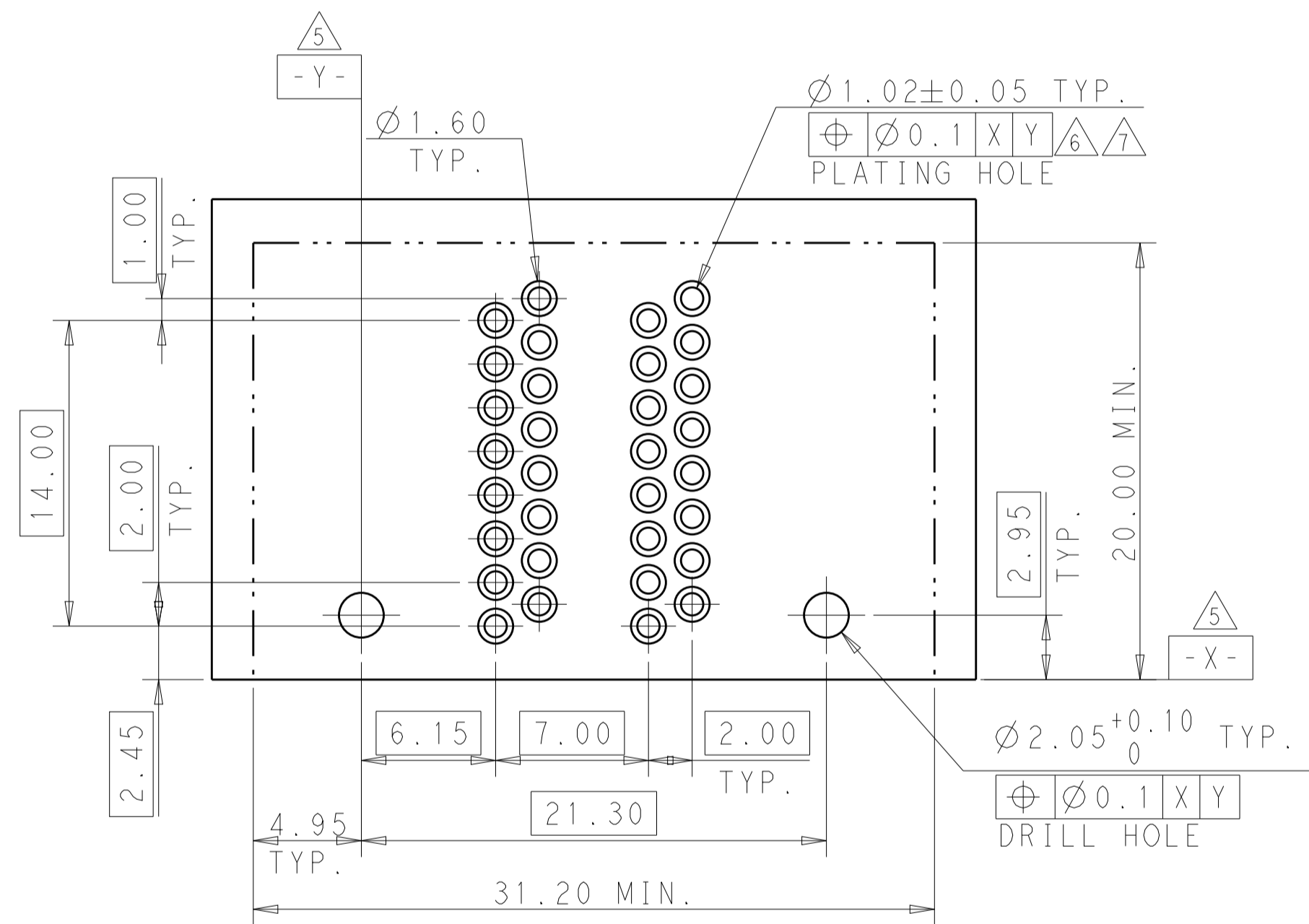
PCB LAYOUT FOR PART NUMBER: 2204440-8/1-2204440-1

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	RESTRICTED TO
3 PLC ±1.5		WEIGHT	A100779C=2204440
4 PLC ±		CUSTOMER DRAWING	SCALE 4:1 SHEET 6 OF 7 REV A2
ANGLES ±			
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	[Diagram]			PH	PH	PH	PH	PH	PH	PH	[Diagram]						
	D	SH	SH	SH								SH	SH	SH	SH	SH	SH	SH
	C	SH	SH	SH								SH	SH	SH	SH	SH	SH	SH
	B	SH	SH	SH								SH	SH	SH	SH	SH	SH	SH
	A	SH	SH	SH								SH	SH	SH	SH	SH	SH	SH
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	SH	PH	PH	PH	PH	PH	PH	PH	SH	SH	SH						
	D	SH	SH	SH								SH	SH	SH	SH	SH	SH	SH	SH	SH
	C	SH	SH	SH								SH	SH	SH	SH	SH	SH	SH	SH	SH
	B	SH	SH	SH								SH	SH	SH	SH	SH	SH	SH	SH	SH
	A	SH	SH	SH								SH	SH	SH	SH	SH	SH	SH	SH	SH
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: 0 PLC ±0.4 1 PLC ±0.4 2 PLC ±0.75 3 PLC ±1.0 4 PLC ±1.0 ANGLES ±°		APVD SUNY ZHAO 31OCT2012 PRODUCT SPEC APPLICATION SPEC WEIGHT CUSTOMER DRAWING	
MATERIAL FINISH		NAME Customer Drawing MULTI-BEAM HD CONNECTOR R/A PLUG S+P+S SIZE CAGE CODE DRAWING NO A100779C=2204440 SCALE 4:1 SHEET 7 OF 7 REV A2	RESTRICTED TO