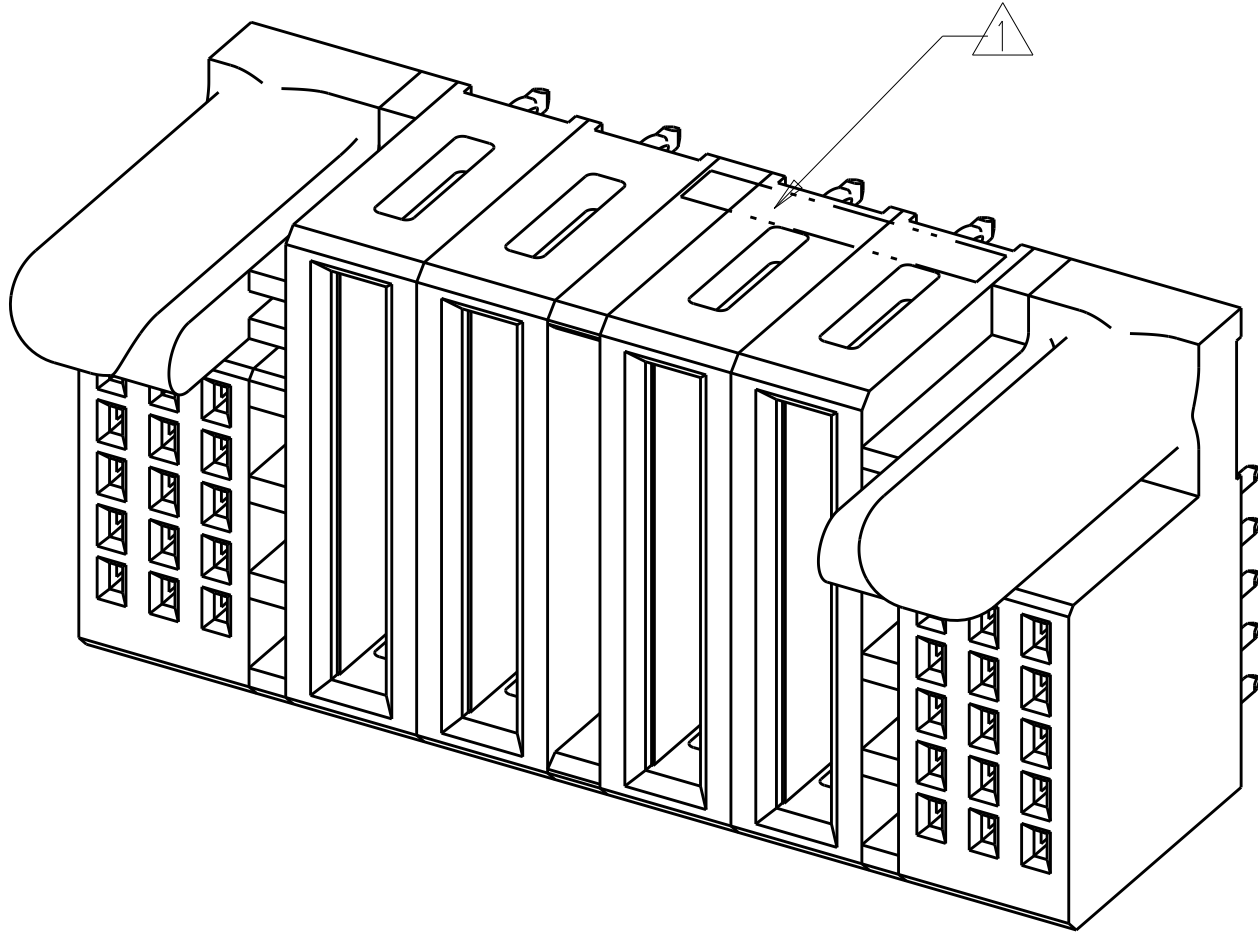
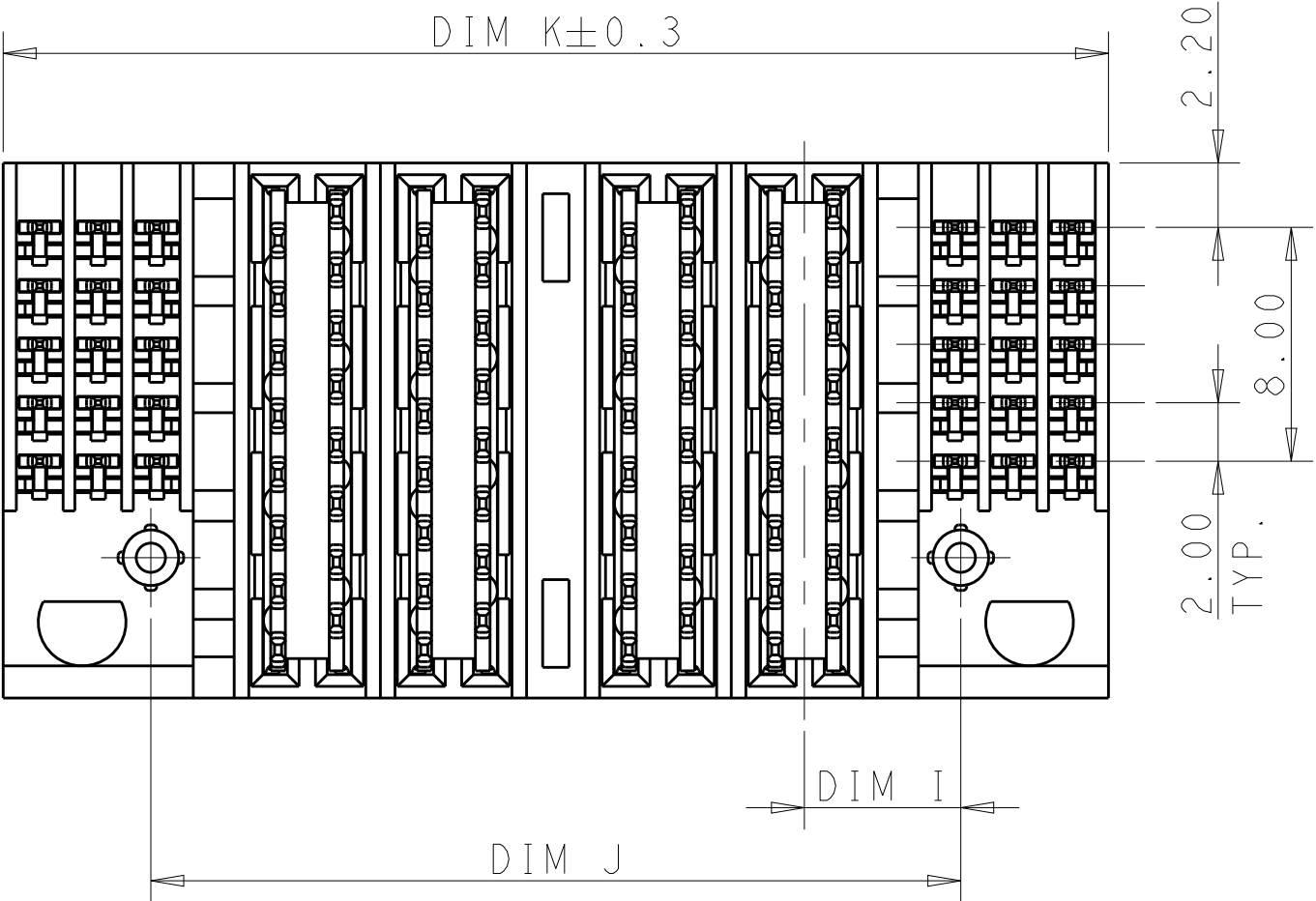
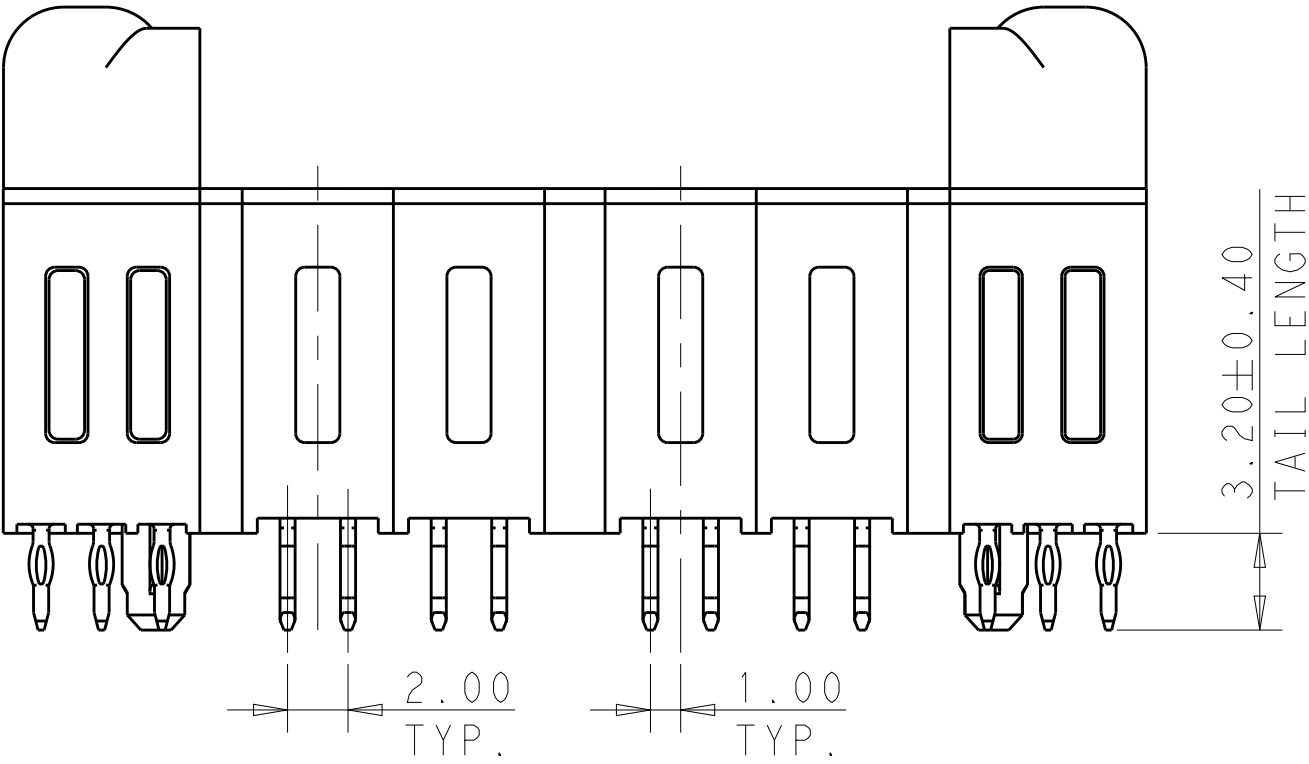
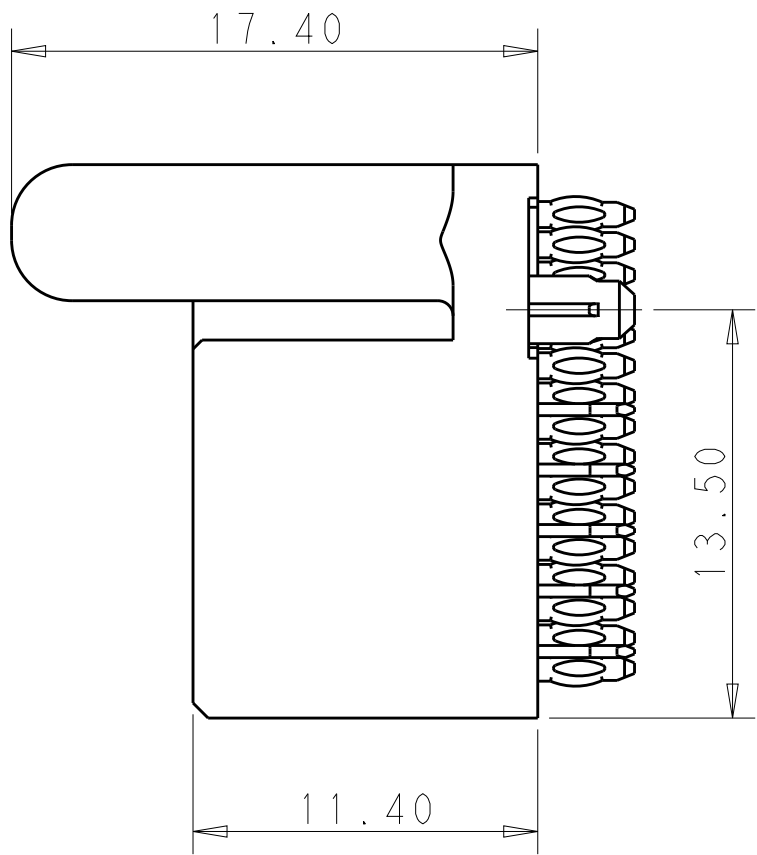
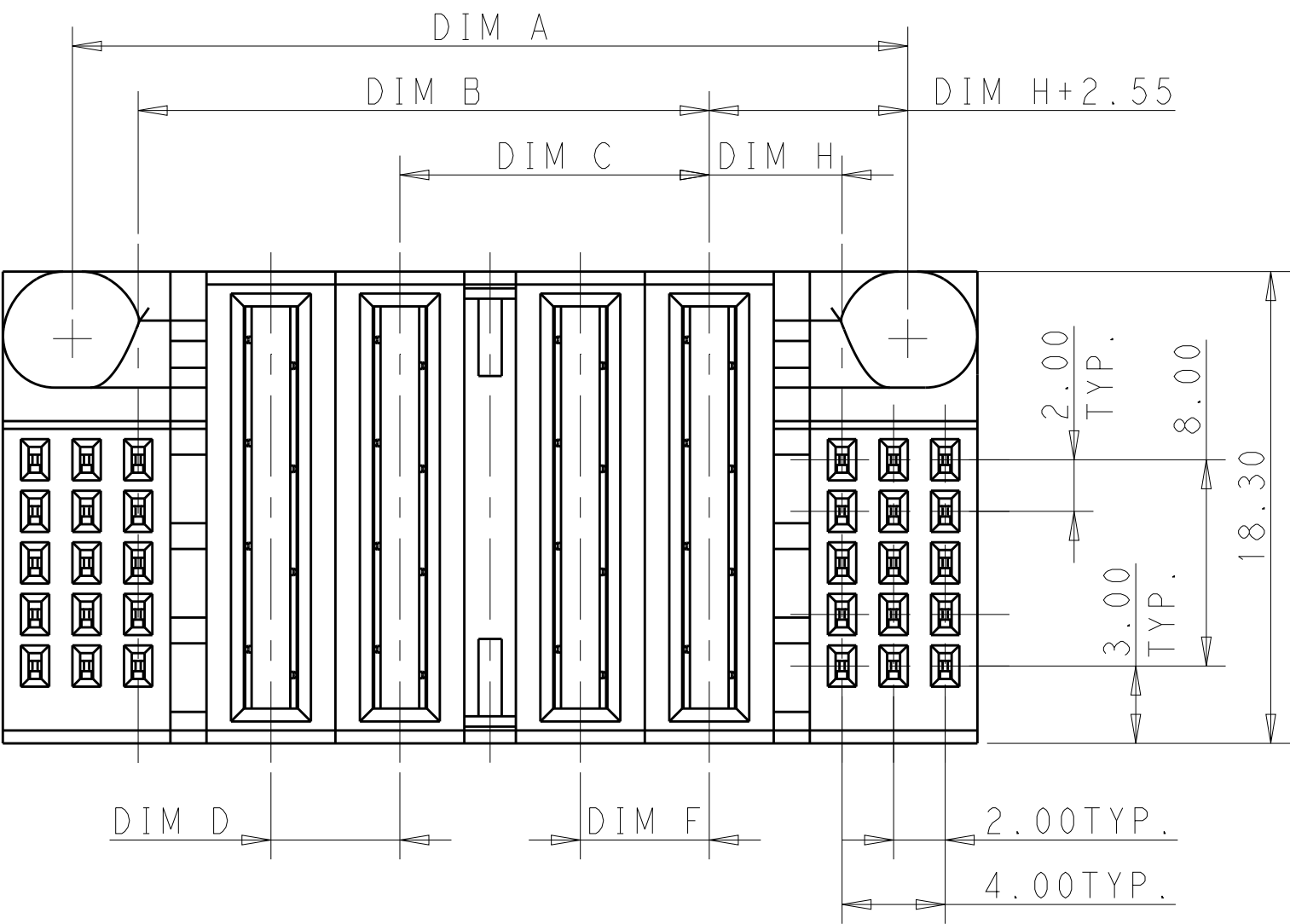


LOC		DIST		REVISIONS					
-	-	-	-	P	LTR	DESCRIPTION	DATE	DWN	APVD
					A	RELEASED DRAWING	22DEC2015	TZ	SZ
					A1	ECR-16-017528	20DEC2016	TZ	SZ
					A2	ECR-17-003044	08MAR2017	TZ	SZ



NOTES, UNLESS OTHERWISE SPECIFIED:

1 "TE", PART NUMBER AND DATE CODE TO BE MARKED IN AREA SHOWN.

2 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.

3 CONTACT PLATING:

MATING AREA - NOBLE METAL OVERALL NICKEL

TAIL SIDE AREA - MATTE TIN OVERALL NICKEL.

4. MECHANICAL CONNECTOR KEEP OUT ZONE.

5 DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

6 PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.

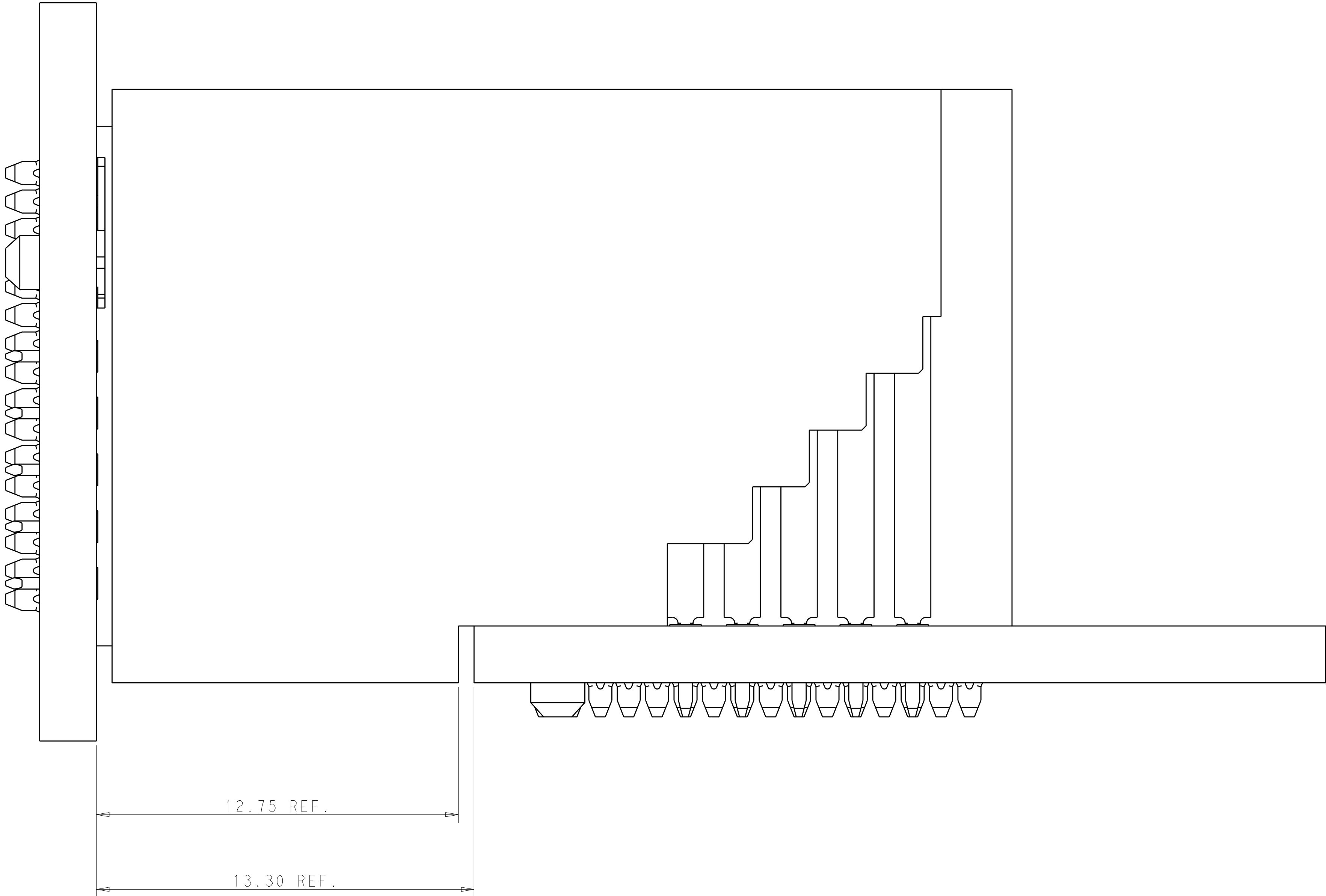
PCB HOLE:

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.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN THOMAS ZHAO Z0DEC2012	 TE Connectivity		Customer Drawing VERTICAL RECEPTACLE MULTI-BEAM HD S+P+P+S
		CHK SUNY ZHAO Z0DEC2012			
DIMENSIONS:		APVD SUNY ZHAO Z0DEC2012	NAME		
mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
	0 PLC ±0.4	APPLICATION SPEC			
	1 PLC ±0.4				
	2 PLC ±0.25				
	3 PLC ±0.15				
	4 PLC ±0.15		A100779C=2204420		
	ANGLES ±				
MATERIAL	FINISH	WEIGHT	CUSTOMER DRAWING		
			SCALE 4:1	SHEET 1 OF 7	REV A2

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



THE DISTANCE IS 0.05 MM MATING FACE
FROM R/A HEADER TO VERTICAL RECEPTACLE.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN

THOMAS_ZHAO

ZODEC2012

CHK

SUNY_ZHAO

ZODEC2012

APVD

SUNY_ZHAO

ZODEC2012

DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.4

1 PLC ±0.4

2 PLC ±0.25

3 PLC ±0.15

4 PLC ±

ANGLES ±

FINISH -

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

Customer Drawing
VERTICAL RECEPTACLE
MULTI-BEAM HD S+P+P+S

SIZE

A1

CAGE CODE

00779

DRAWING NO

2204420

RESTRICTED TO

-

SCALE

4:1

SHEET

2

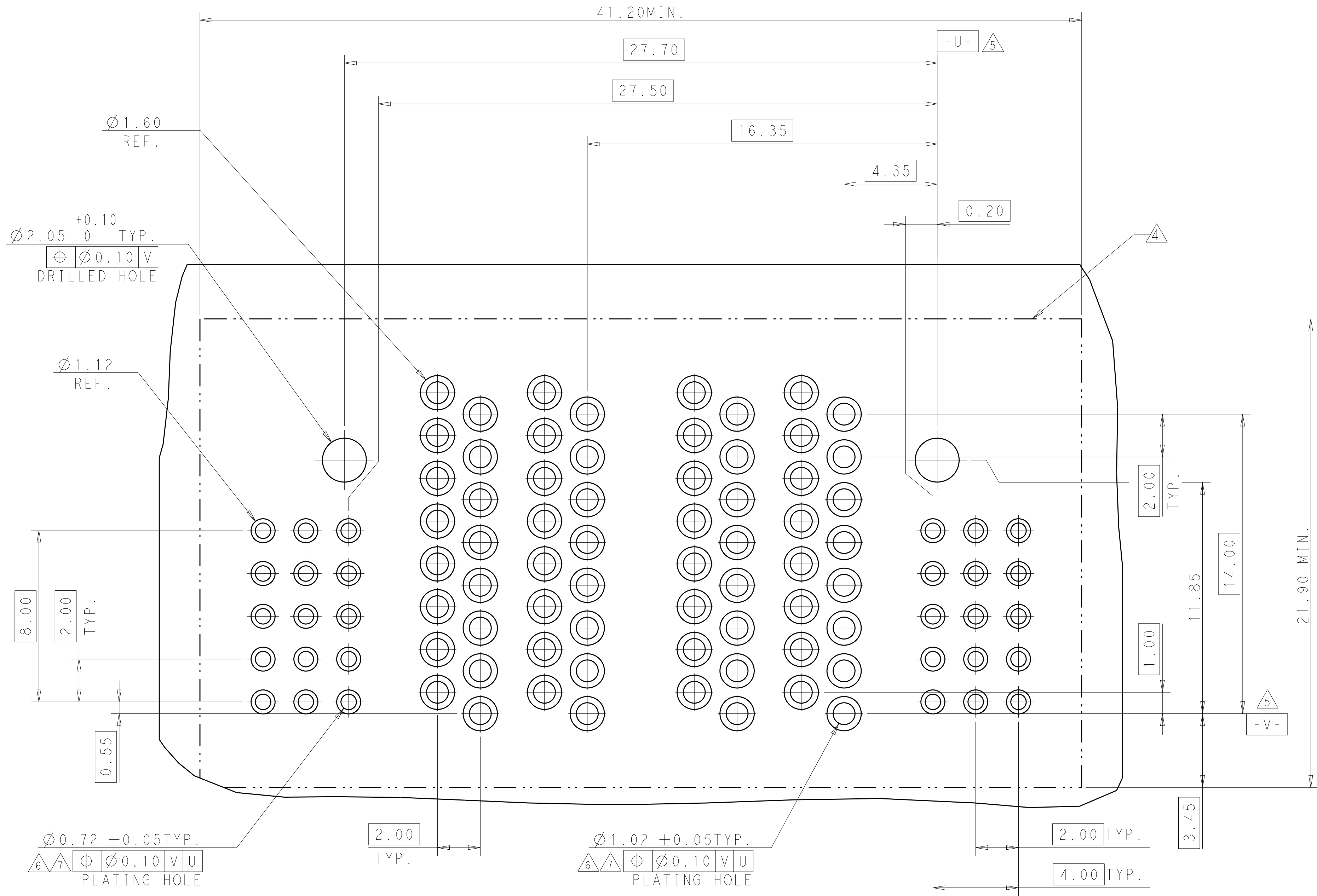
OF

7

REV

A2

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



PART NUMBER	ROWS	SIGNAL			POWER				SIGNAL		
		6	5	4	P4	P3	P2	P1	3	2	1
2204420-1	E										
	D										
	C										
	B										
	A										
15S+2P+2P+15S		SM	SM	SM	PM	PM	PM	PM	SM	SM	SM
		SM	SM	SM					SM	SM	SM
		SM	SM	SM					SM	SM	SM
		SM	SM	SM					SM	SM	SM
		SM	SM	SM					SM	SM	SM

42.40	32.15	17.00	5.00	5.00	5.15	5.35	37.70	47.80	15S+3P+3P+15S	1-2204420-1
50.40	40.15	21.00	7.00	7.00	5.15	5.35	45.70	55.80	15S+3HVP+3HVP+15S	1-2204420-0
42.40	32.15	17.00	5.00	5.00	5.15	5.35	37.70	47.80	15S+3P+3P+15S	2204420-9
19.40	15.15	-	-	5.00	5.15	5.35	20.70	30.80	15S+3P+12S	2204420-8
22.40	12.15	7.00	-	-	5.15	5.35	17.70	27.80	15S+1P+1P+15S	2204420-6/7
62.40	52.15	27.00	5.00	5.00	5.15	5.35	57.70	67.80	10S+5P+5P+10S	2204420-5
92.40	82.15	42.00	5.00	5.00	5.15	5.35	87.70	97.80	15S+8P+8P+15S	2204420-3
78.40	68.15	42.00	7.00	5.00	5.15	5.35	73.70	83.80	15S+8P+4P+15S	2204420-2
32.40	22.15	12.00	5.00	5.00	5.15	5.35	27.70	37.80	15S+2P+2P+15S	2204420-1
DIM A	DIM B	DIM C	DIM D	DIM F	DIM H	DIM I	DIM J	DIM K	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN THOMAS ZHAO ZODEC2012
CHK SUNY ZHAO ZODEC2012
APVD SUNY ZHAO ZODEC2012

DIMENSIONS:
mm

0 PLC ±0.4
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±0.15
4 PLC ±0.15
ANGLES ±0.15
FINISH

TOLERANCES UNLESS OTHERWISE SPECIFIED:

PRODUCT SPEC
APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME
Customer Drawing
VERTICAL RECEPTACLE
MULTI-BEAM HD S+P+P+S

SIZE
A100779

SCALE
4:1

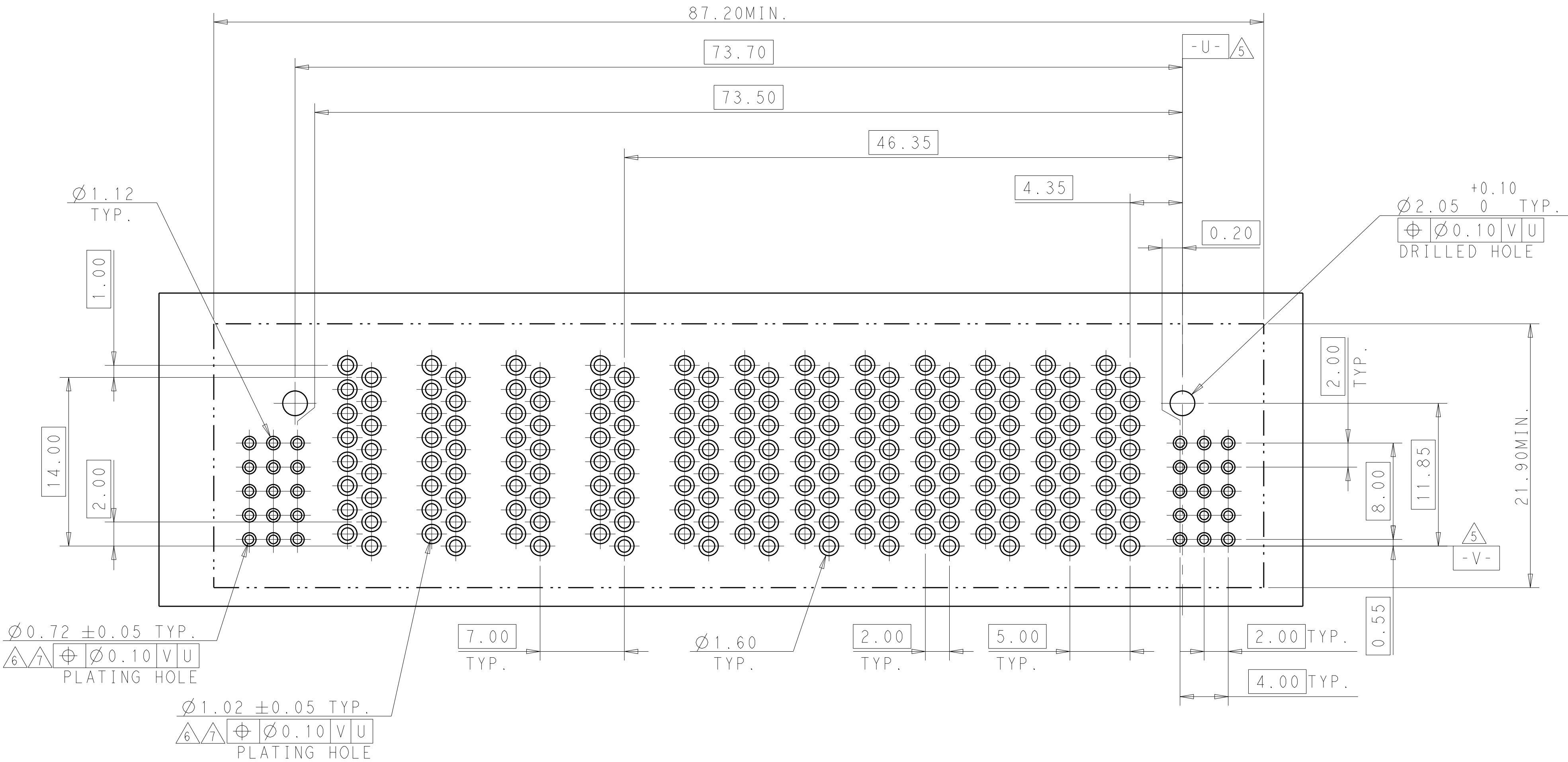
SHEET
3 OF 7

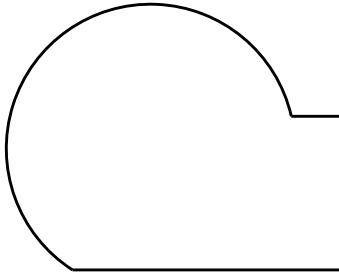
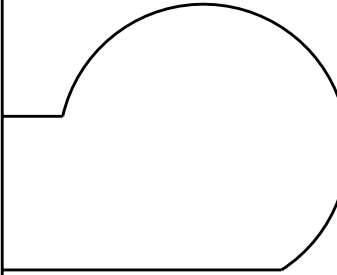
REV
A2

TE Connectivity

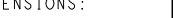
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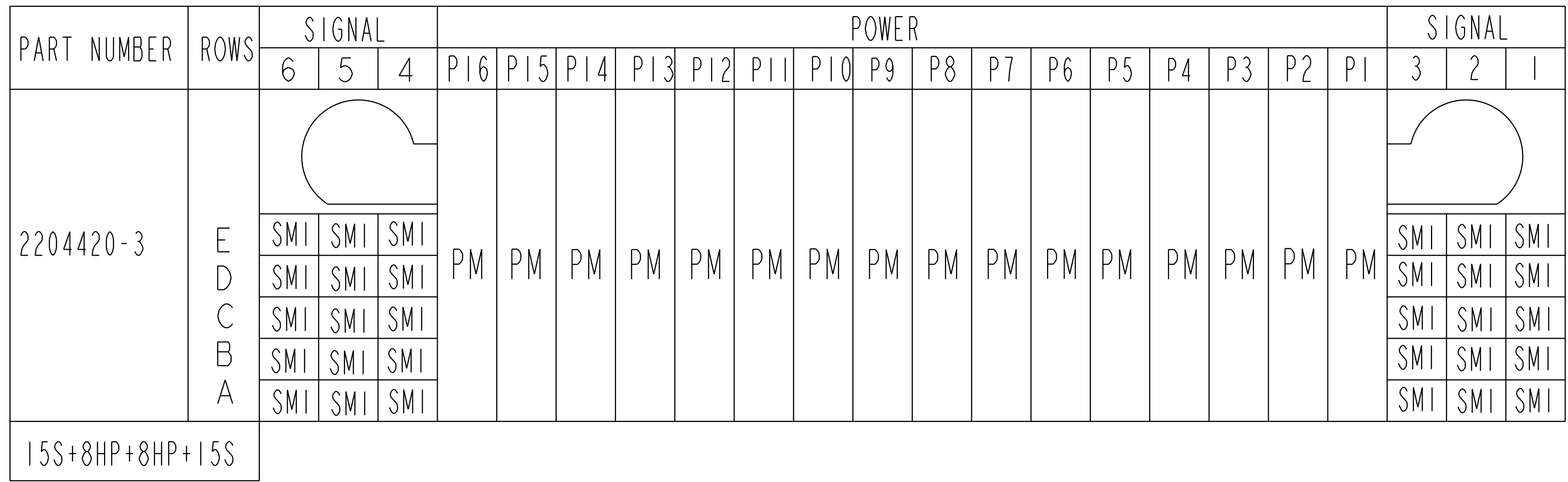
LOC	DIST	REVISIONS				
		P	LTR	DESCRIPTION	DATE	DWN
		-		SEE SHEET 1	-	-



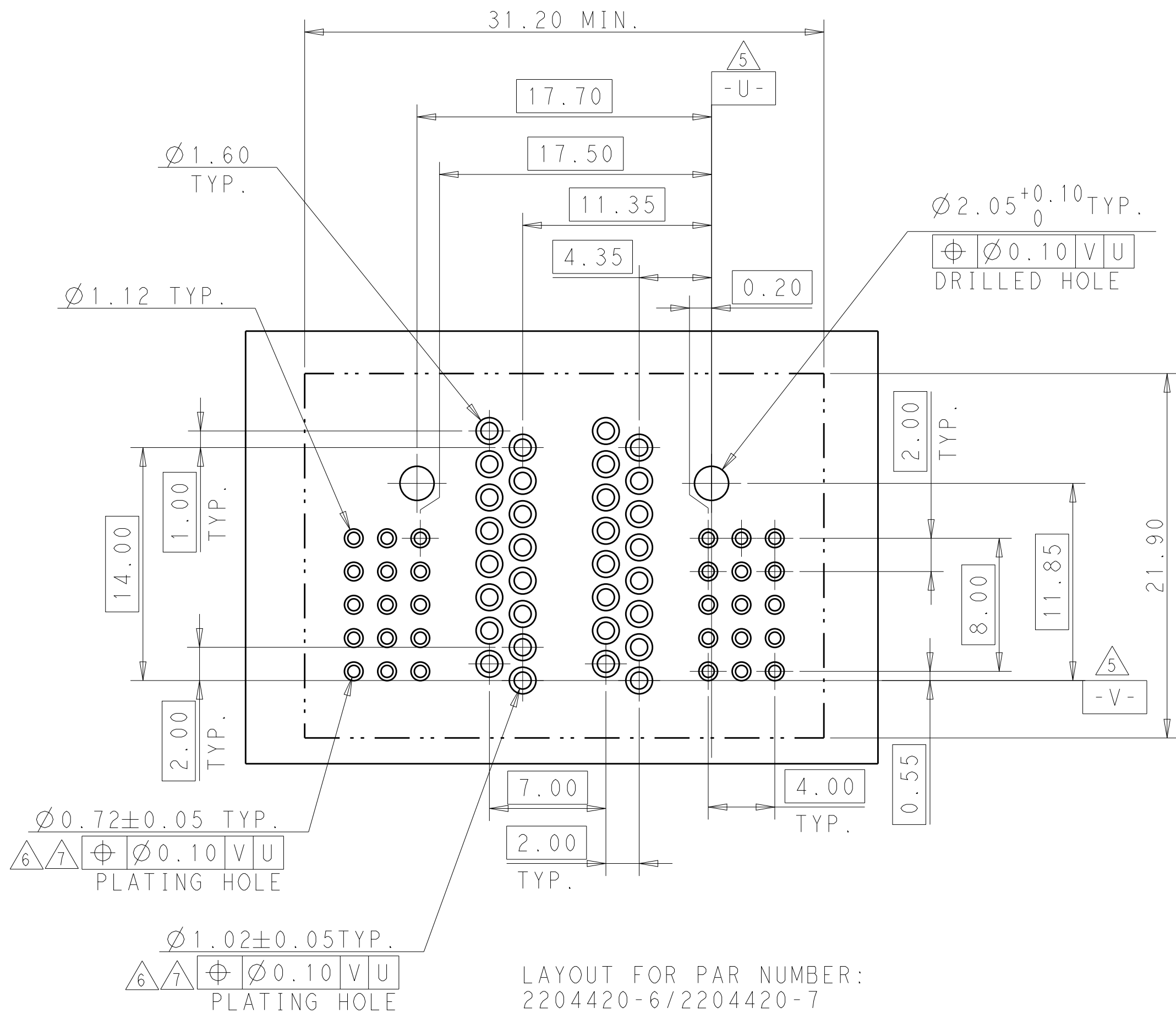
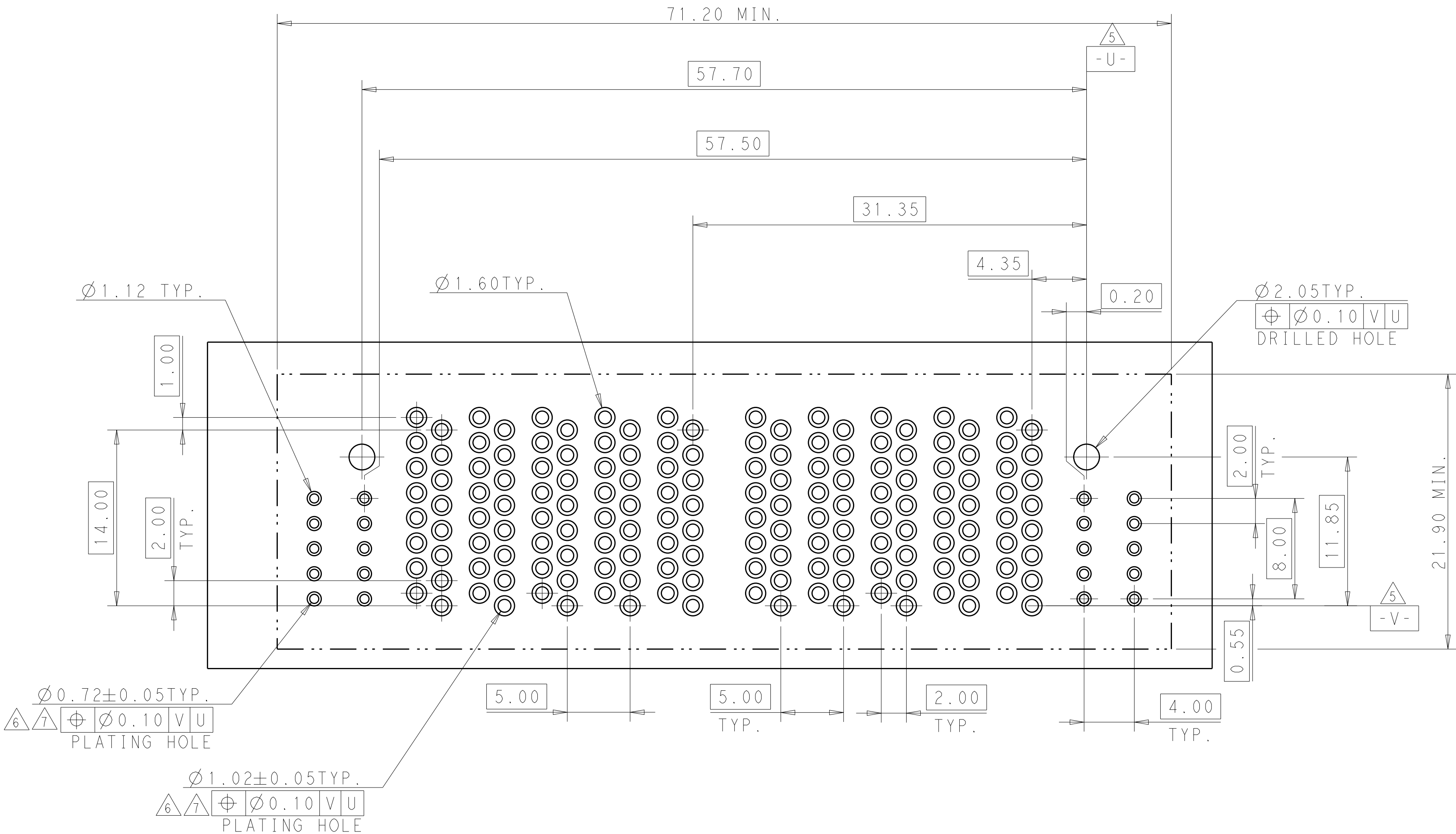
PART NUMBER	ROWS	SIGNAL			POWER											SIGNAL			
		6	5	4	PI2	PI1	PI0	P9	P8	P7	P6	P5	P4	P3	P2	PI	3	2	1
2204420-2	E D C B A				PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM			
		SMI	SMI	SMI													SMI	SMI	SMI
		SMI	SMI	SMI													SMI	SMI	SMI
		SMI	SMI	SMI													SMI	SMI	SMI
		SMI	SMI	SMI													SMI	SMI	SMI
		SMI	SMI	SMI													SMI	SMI	SMI
15S+8HP+4HP+15S																			

SIGNAL CONTACT	SM1
POWER CONTACT STANDARD	PN
POWER CONTACT MFBL	PM
DESCRIPTION	IDENTIFIER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN THOMAS_ZHAO Z0DEC2012	 TE Connectivity	
		CHK SUNY_ZHAO Z0DEC2012		
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME	
mm		0 PLC ±0.4	Customer Drawing	
	1 PLC ±0.4	VERTICAL RECEPTACLE		
	2 PLC ±0.25	MULTI-BEAM HD S+P+P+S		
	3 PLC ±0.15			
	4 PLC ±0.15			
MATERIAL		ANGLES ±0.15	SIZE	
		FINISH	CAGE CODE	
		DRAWING NO		
		RESTRICTED TO		
		WEIGHT		
		CUSTOMER DRAWING		
			SCALE 4:1	
			SHEET 4 OF 7	
			REV A2	



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



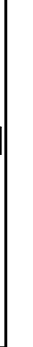
LAYOUT FOR PAR NUMBER:
2204420-6/2204420-7

PART NUMBER	ROWS	SIGNAL			POWER										SIGNAL		
		4		3	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	2		1
2204420-5	E																
	D																
	C	SMI		SMI	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	SMI		SMI
	B	SMI		SMI											SMI		SMI
	A	SMI		SMI											SMI		SMI
		SMI		SMI											SMI		SMI
10S+5HP+5HP+10S																	

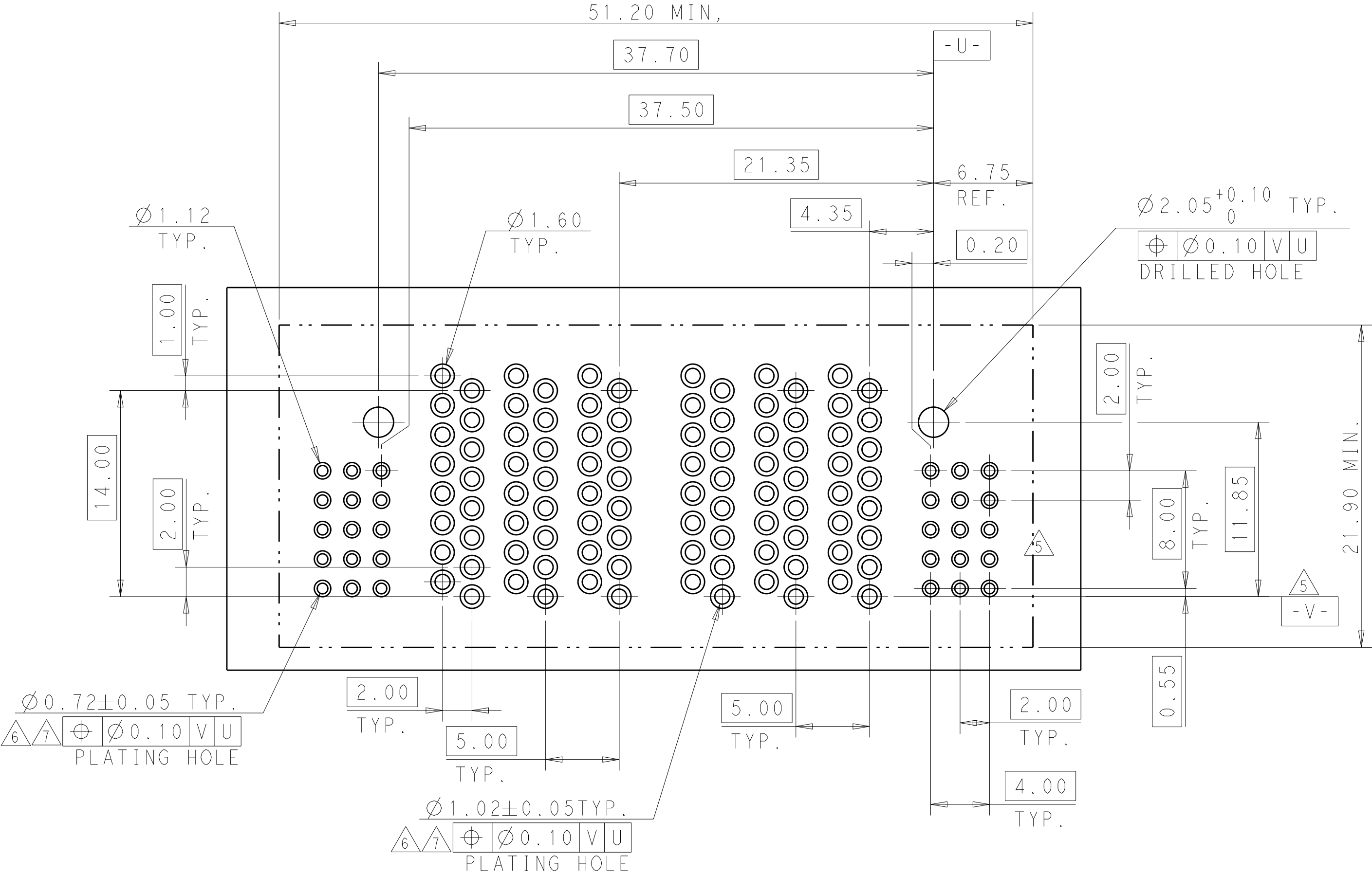
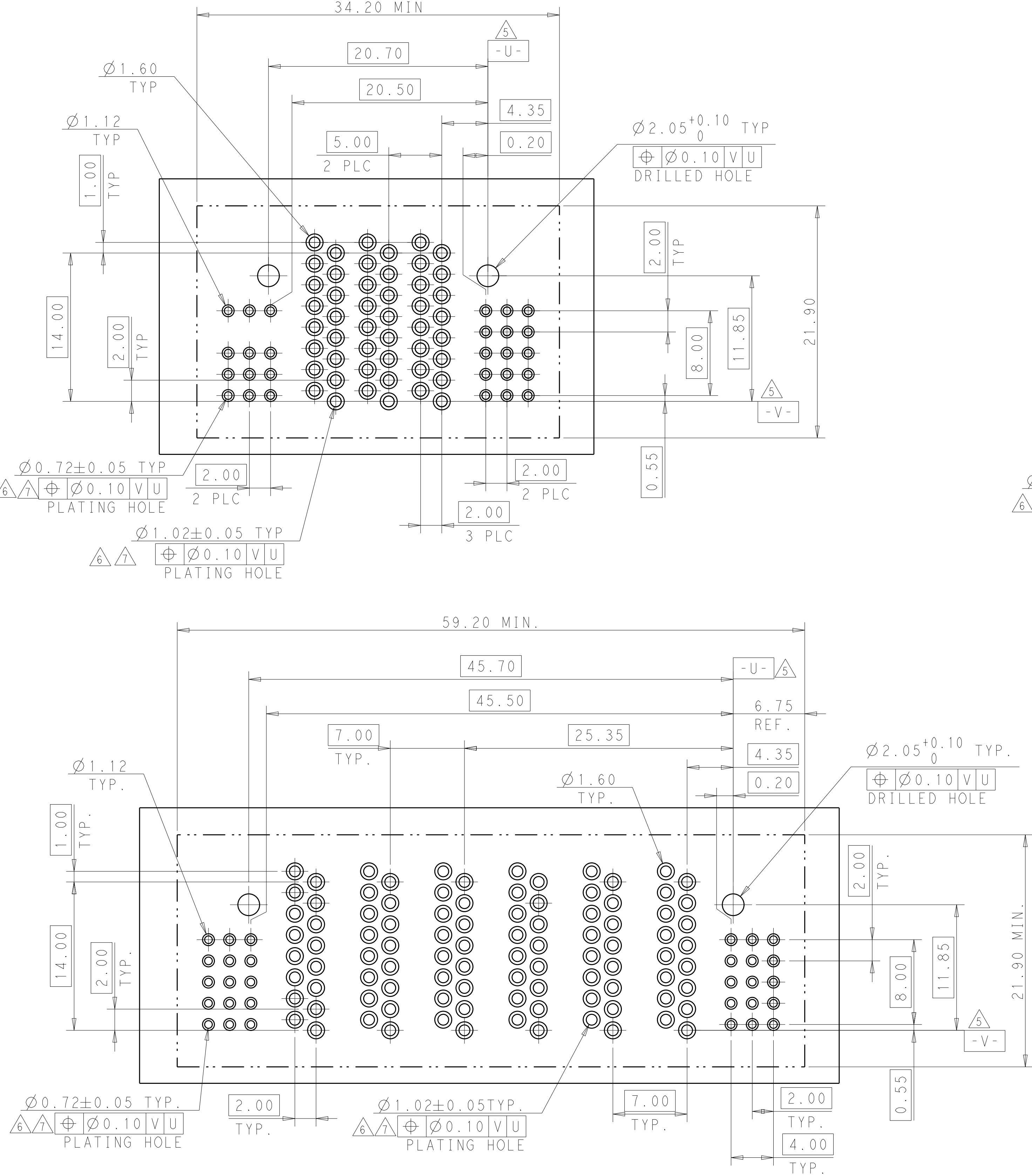
PART NUMBER	ROWS	SIGNAL			POWER		SIGNAL		
		6	5	4	P2	P1	3	2	1
2204420-6	E				PM	PM			
	D	SMI	SMI	SMI			SMI	SMI	SMI
	C	SMI	SMI	SMI			SMI	SMI	SMI
	B	SMI	SMI	SMI			SMI	SMI	SMI
	A	SMI	SMI	SMI			SMI	SMI	SMI
15S+1P+1P+15S									

PART NUMBER	ROWS	SIGNAL			POWER		SIGNAL		
		6	5	4	P2	P1	3	2	1
2204420-7	E				PM	PM			
	D	SMI	SMI	SMI			SMI	SMI	SMI
	C	SMI	SMI	SMI			SMI	SMI	SMI
	B	SMI	SMI	SMI			SMI	SMI	SMI
	A	SMI	SMI	SMI			SMI	SMI	SMI
15S+1P+1P+12S									

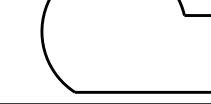
P.	LTR.	REVISIONS		
		DESCRIPTION	DATE	OWN
-	-	SEE SHEET 1	-	-

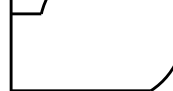
PART NUMBER	ROWS	SIGNAL			POWER			SIGNAL		
		6	5	4	P3	P2	P1	3	2	1
2204420-8										
	E	SMI	SMI	SMI				SMI	SMI	SMI
	D							SMI	SMI	SMI
	C	SMI	SMI	SMI				SMI	SMI	SMI
	B	SMI	SMI	SMI				SMI	SMI	SMI
	A	SMI	SMI	SMI				SMI	SMI	SMI
15S+3P+12S										

PART NUMBER	ROWS	SIGNAL			POWER						SIGNAL		
		6	5	4	P6	P5	P4	P3	P2	P1	3	2	1
2204420-9	E D C B A				PM	PM	PM	PM	PM	PM			
		SMI	SMI	SMI							SMI	SMI	SMI
		SMI	SMI	SMI							SMI	SMI	SMI
		SMI	SMI	SMI							SMI	SMI	SMI
		SMI	SMI	SMI							SMI	SMI	SMI
		SMI	SMI	SMI							SMI	SMI	SMI
15S+3P+3P+15S													



PCB LAYOUT PART NUMBER: 2204420-9/1-2204420-1

PART NUMBER	ROWS	SIGNAL			POWER						SIGNAL		
		6	5	4	P6	P5	P4	P3	P2	P1	3	2	1
1-2204420-0					PM	PM	PM	PM	PM	PM			
	E	SMI	SMI	SMI							SMI	SMI	SMI
	D	SMI	SMI	SMI							SMI	SMI	SMI
	C	SMI	SMI	SMI							SMI	SMI	SMI
	B	SMI	SMI	SMI							SMI	SMI	SMI
A	SMI	SMI	SMI	SMI	SMI	SMI	SMI	SMI	SMI	SMI			
15S+3HVP+3HVP+15S													

PART NUMBER	ROWS	SIGNAL			POWER						SIGNAL		
		6	5	4	P6	P5	P4	P3	P2	P1	3	2	1
1-2204420-1	E D C B A				PM	PM	PM	PN	PN	PN			
		SMI	SMI	SMI							SMI	SMI	SMI
		SMI	SMI	SMI							SMI	SMI	SMI
		SMI	SMI	SMI							SMI	SMI	SMI
		SMI	SMI	SMI							SMI	SMI	SMI
		SMI	SMI	SMI							SMI	SMI	SMI
15S+3P+3P+15S													

THIS DRAWING IS A CONTROLLED DOCUMENT.

OWN THOMAS ZHAO Z0DEC2012
CHK SUNY ZHAO Z0DEC2012
APVD SUNY ZHAO Z0DEC2012

DIMENSIONS:
mm

0 PLC ±0.4
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±0.15
4 PLC ±0.15
ANGLES FINISH

MATERIAL -
FINISH -

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ±0.4
1 PLC ±0.25
2 PLC ±0.15
3 PLC ±0.15
4 PLC ±0.15
ANGLES FINISH

PRODUCT SPEC
APPLICATION SPEC
WEIGHT
CUSTOMER DRAWING

NAME Customer Drawing
VERTICAL RECEPTACLE
MULTI-BEAM HD S+P+P+S

SIZE CAGE CODE DRAWING NO
A100779C=2204420

RESTRICTED TO
-

SCALE 4:1
SHEET 7 OF 7
REV A2

Mouser Electronics

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[2204420-9](#)