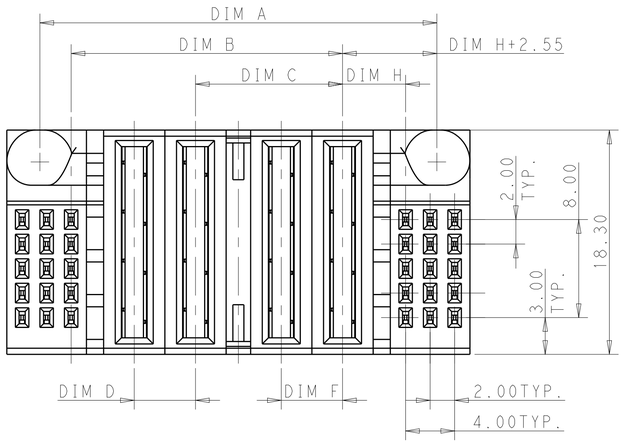
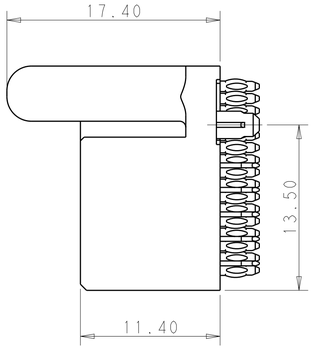
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LOC	DIST
-	-

REVISIONS

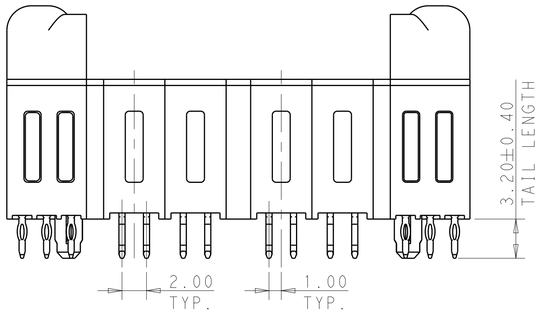
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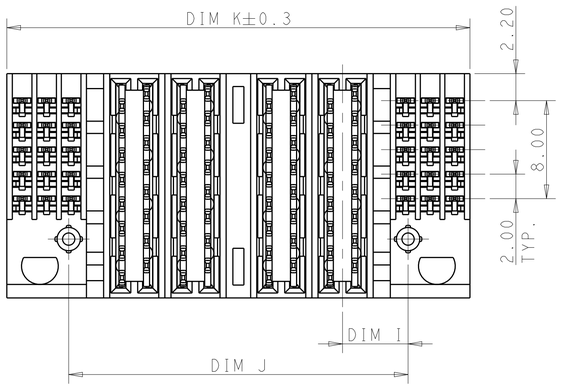


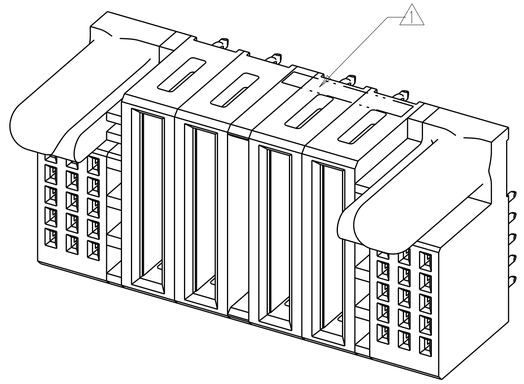


NOTES,UNLESS OTHERWISE SPECIFIED:

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.
7. 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.







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DIMENSIONS: mm

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

MATERIAL 2 -

FINISH 3 -

DWN THOMAS ZHAO 20DEC2012
CHK SUNY ZHAO 20DEC2012
APVD SUNY ZHAO 20DEC2012
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2204420	-

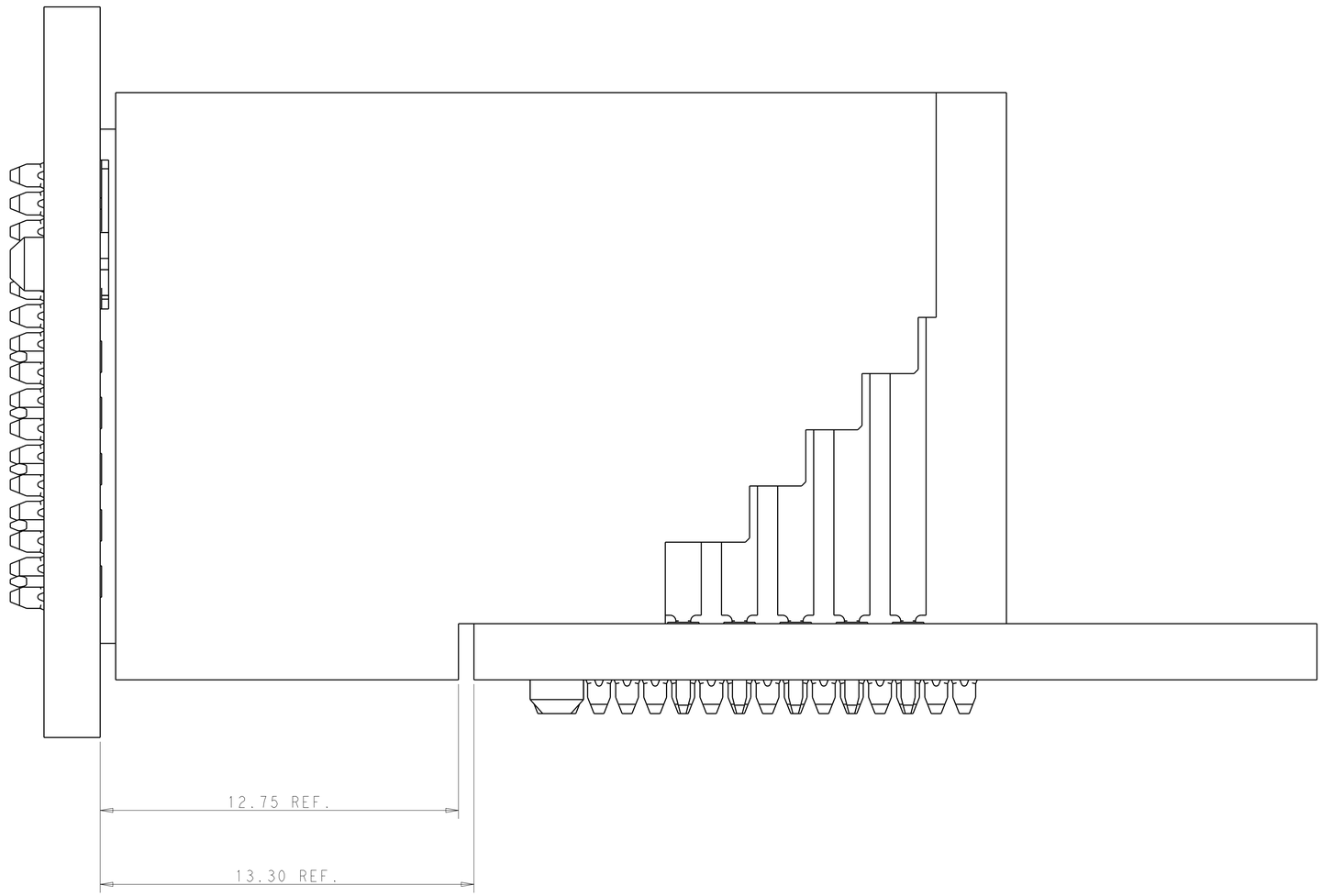
CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 7 | REV A2

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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.

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DIMENSIONS: mm

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

MATERIAL -
FINISH -

DWN THOMAS ZHAO 20DEC2012
CHK SUNY ZHAO 20DEC2012
APVD SUNY ZHAO 20DEC2012
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

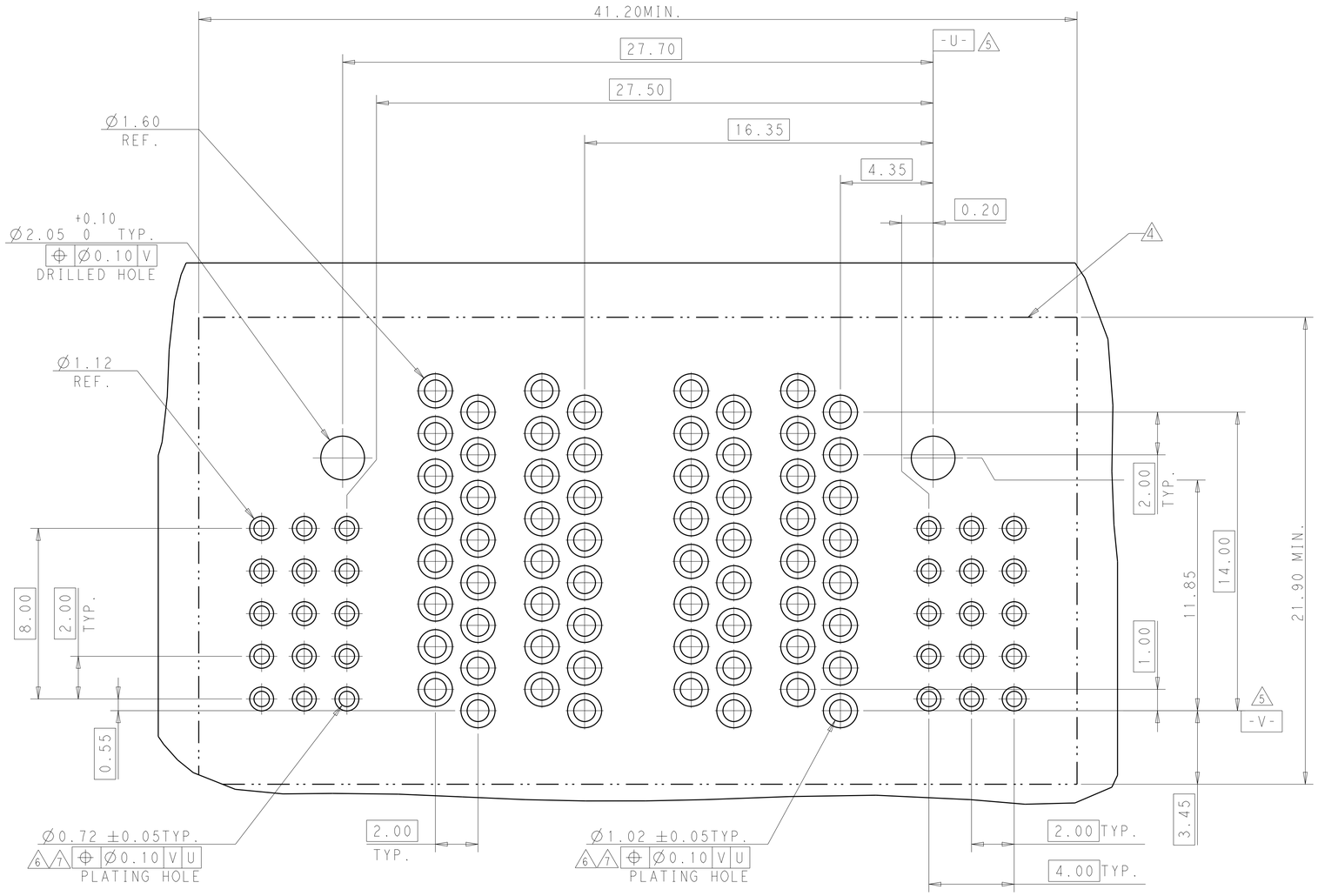
NAME Customer Drawing
VERTICAL RECEPTACLE
MULTI-BEAM HD S+P+P+S

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2204420	-

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

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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	SMI	SMI	SMI	PM	PM	PM	PM	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
15S+2P+2P+15S											

DIM A	DIM B	DIM C	DIM D	DIM F	DIM H	DIM I	DIM J	DIM K	DESCRIPTION	PART NUMBER
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

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DIMENSIONS: mm

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

MATERIAL -
FINISH -

DWN THOMAS ZHAO 20DEC2012
CHK SUNY ZHAO 20DEC2012
APVD SUNY ZHAO 20DEC2012
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

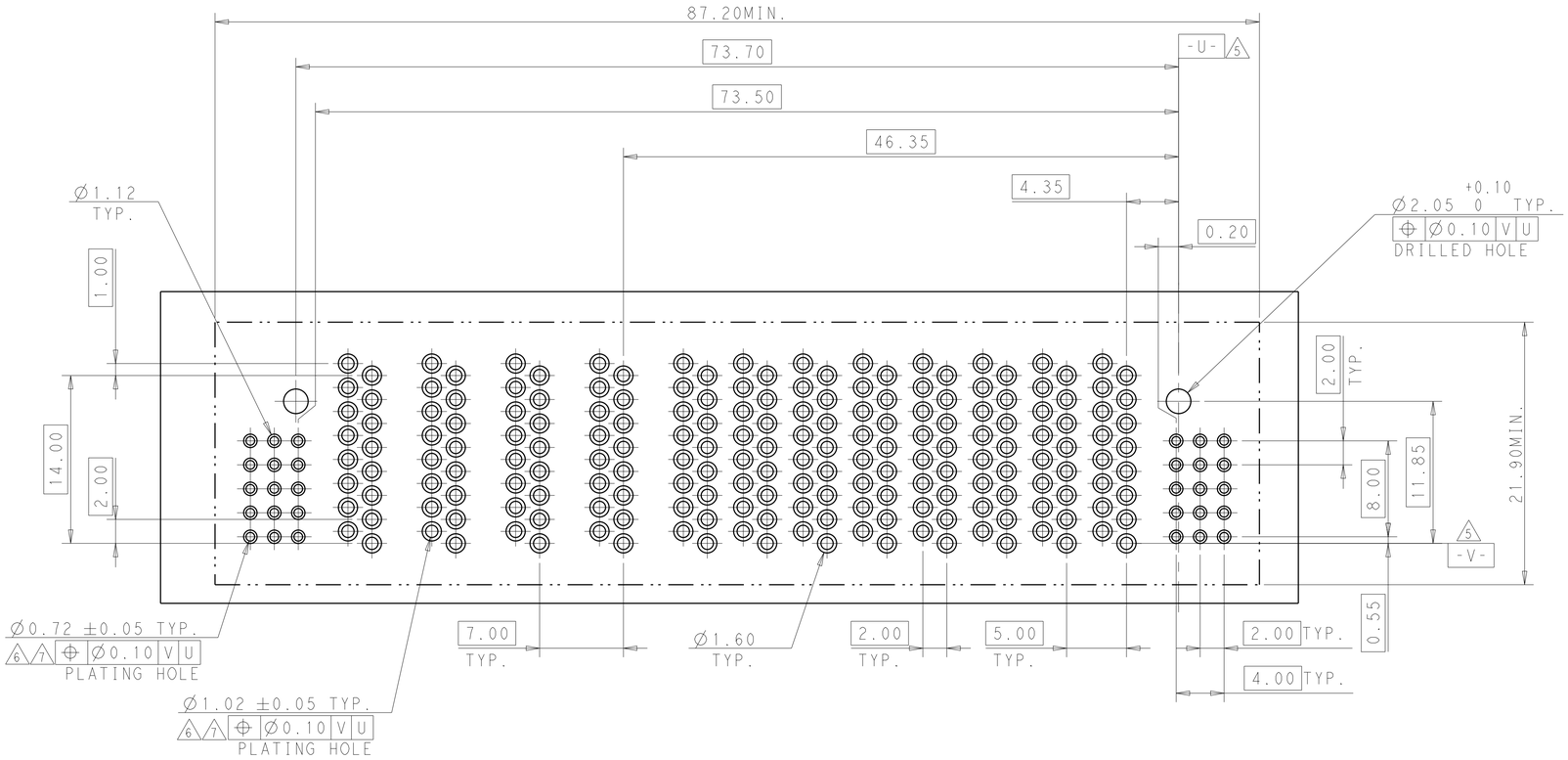
NAME Customer Drawing
VERTICAL RECEPTACLE
MULTI-BEAM HD S+P+P+S

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2204420	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 3 OF 7 | REV A2

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



PART NUMBER	ROWS	SIGNAL			POWER												SIGNAL		
		6	5	4	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	3	2	1
2204420-2	E	SMI	SMI	SMI	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	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
15S+8HP+4HP+15S																			

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

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DIMENSIONS: mm

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

MATERIAL -
FINISH -

DWN THOMAS ZHAO 20DEC2012
CHK SUNY ZHAO 20DEC2012
APVD SUNY ZHAO 20DEC2012
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

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

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-2204420 | RESTRICTED TO -

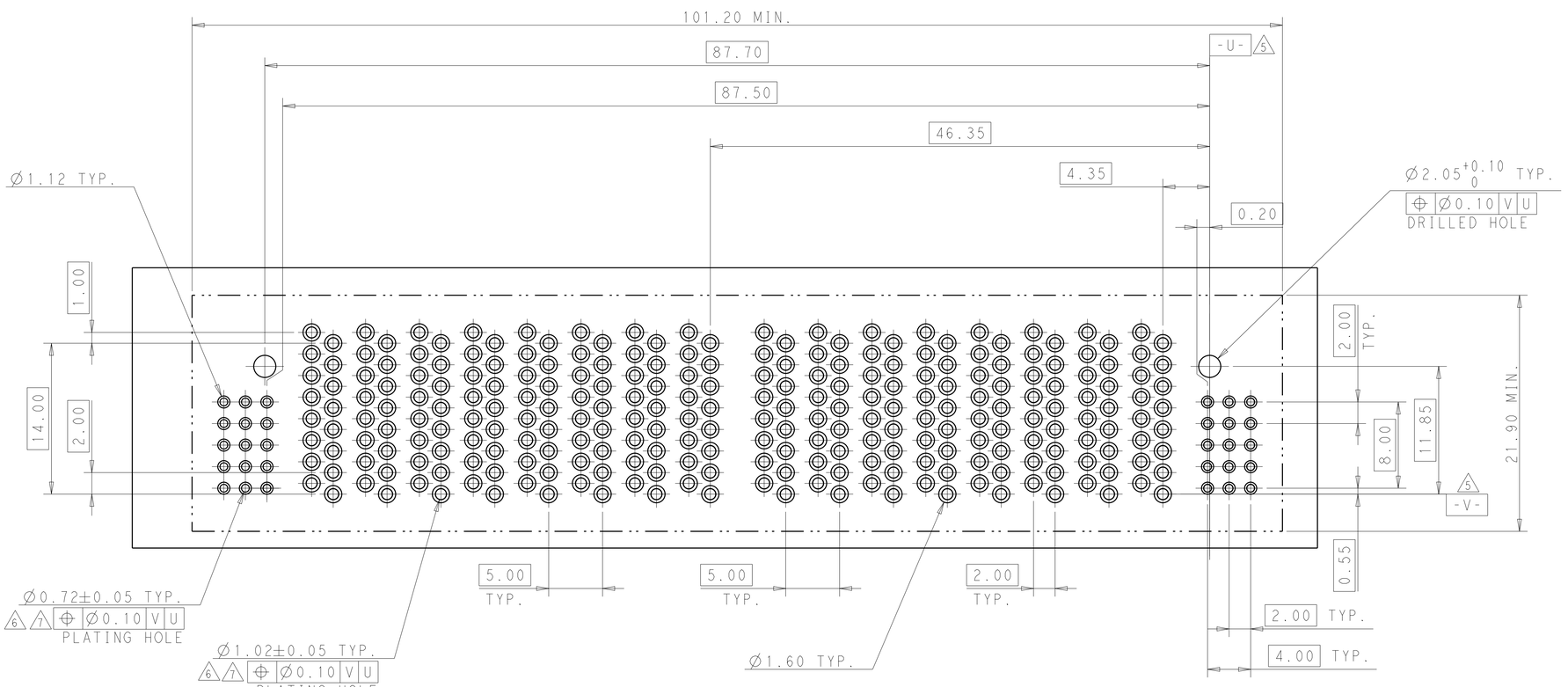
CUSTOMER DRAWING | SCALE 4:1 | SHEET 4 OF 7 | REV A2

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LOC	DIST

REVISIONS

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



PART NUMBER	ROWS	SIGNAL			POWER															SIGNAL		
		6	5	4	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	3	2	1
2204420-3	E	SMI	SMI	SMI	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	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
15S+8HP+8HP+15S																							

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DIMENSIONS: mm

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

MATERIAL -
FINISH -

DWN THOMAS ZHAO 20DEC2012
CHK SUNY ZHAO 20DEC2012
APVD SUNY ZHAO 20DEC2012
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

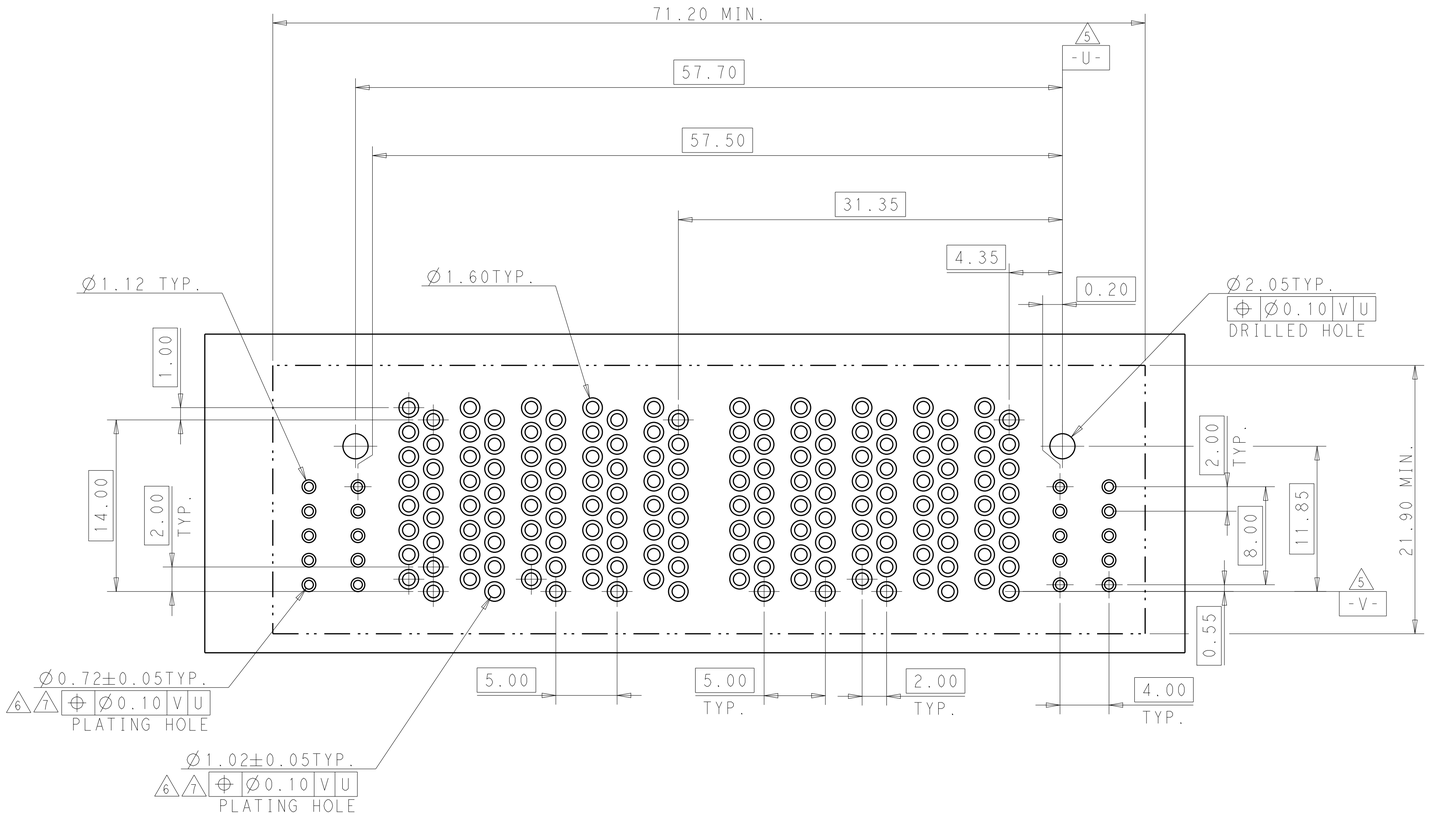
NAME Customer Drawing
VERTICAL RECEPTACLE
MULTI-BEAM HD S+P+P+S

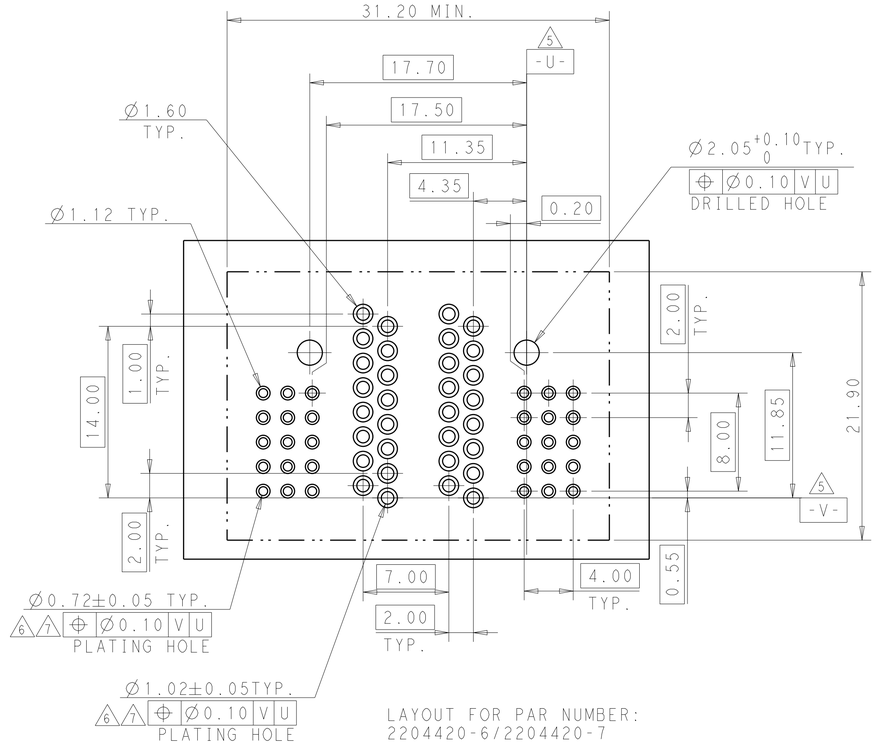
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2204420	-

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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	SMI		SMI	PM	PM	PM	PM	PM	PM	PM	PM	PM	PM	SMI		SMI
	D	SMI		SMI											SMI		SMI
	C	SMI		SMI											SMI		SMI
	B	SMI		SMI											SMI		SMI
	A	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	SMI	SMI	SMI	PM	PM	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
15S+1P+1P+15S									

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

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

MATERIAL -
FINISH -

DWN THOMAS ZHAO 20DEC2012
CHK SUNY ZHAO 20DEC2012
APVD SUNY ZHAO 20DEC2012
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

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

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C-2204420	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 6 OF 7 | REV A2

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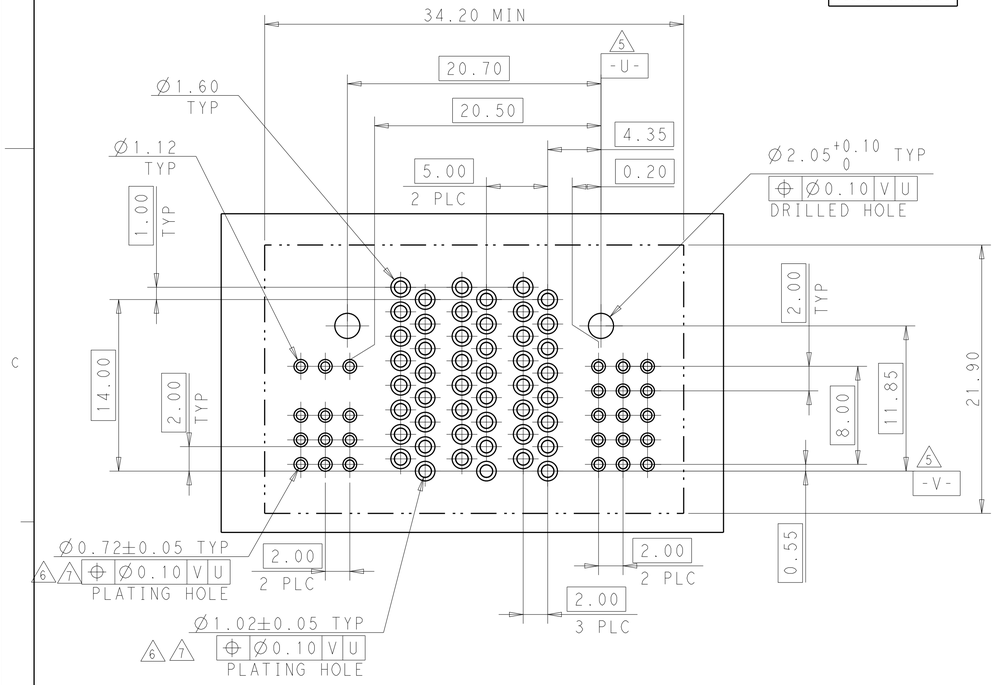
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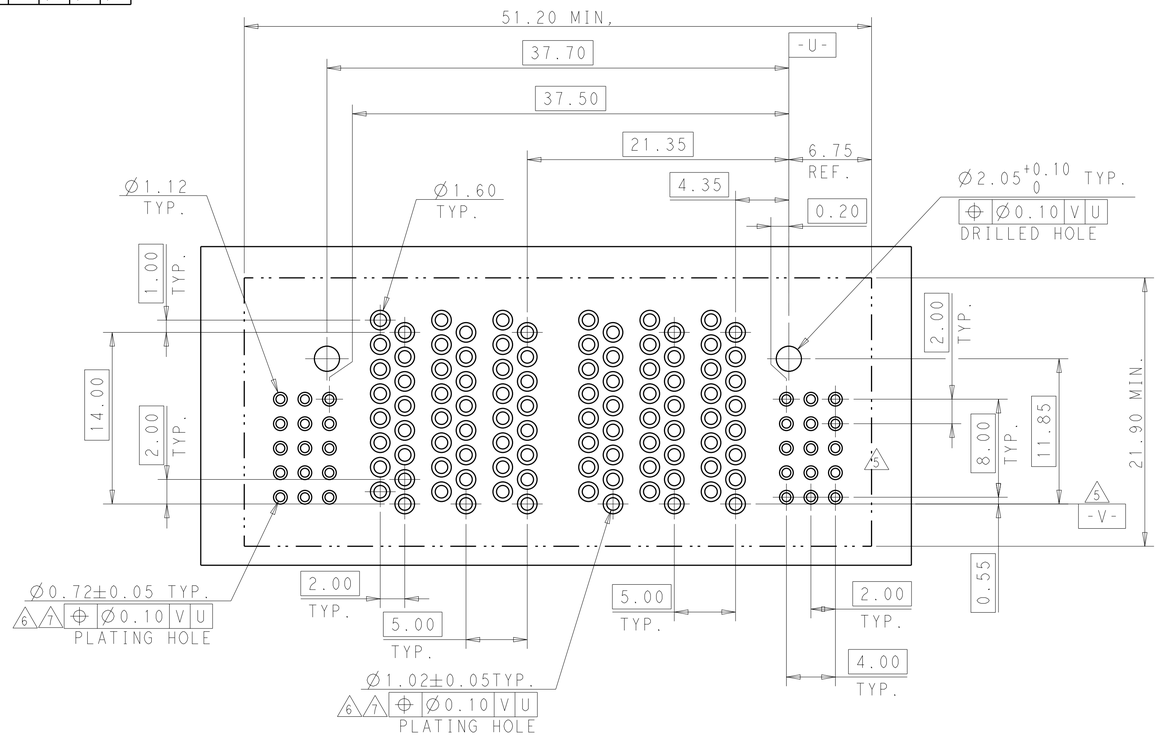
REVISIONS

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

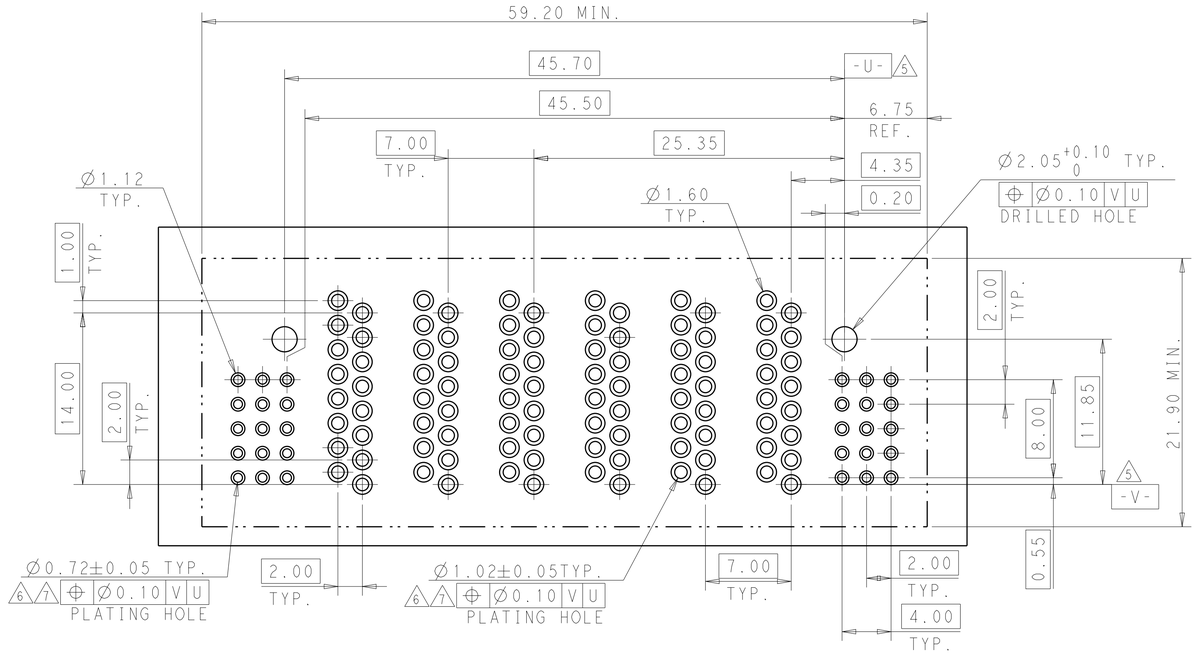
PART NUMBER	ROWS	SIGNAL 6	5	4	POWER P3	P2	P1	SIGNAL 3	2	1
2204420-8	E	SMI	SMI	SMI	PM	PM	PM	SMI	SMI	SMI
	D							SMI	SMI	SMI
	C	SMI	SMI	SMI				SMI	SMI	SMI
	B	SMI	SMI	SMI				SMI	SMI	SMI
	A	SMI	SMI	SMI				SMI	SMI	SMI
15S+3P+12S										

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





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



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

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

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

MATERIAL -
FINISH -

DWN THOMAS ZHAO 20DEC2012
CHK SUNY ZHAO 20DEC2012
APVD SUNY ZHAO 20DEC2012
PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

TE Connectivity

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

SIZE A1 | CAGE CODE 00779 | DRAWING NO C-2204420 | RESTRICTED TO -

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

4805 (3/11)