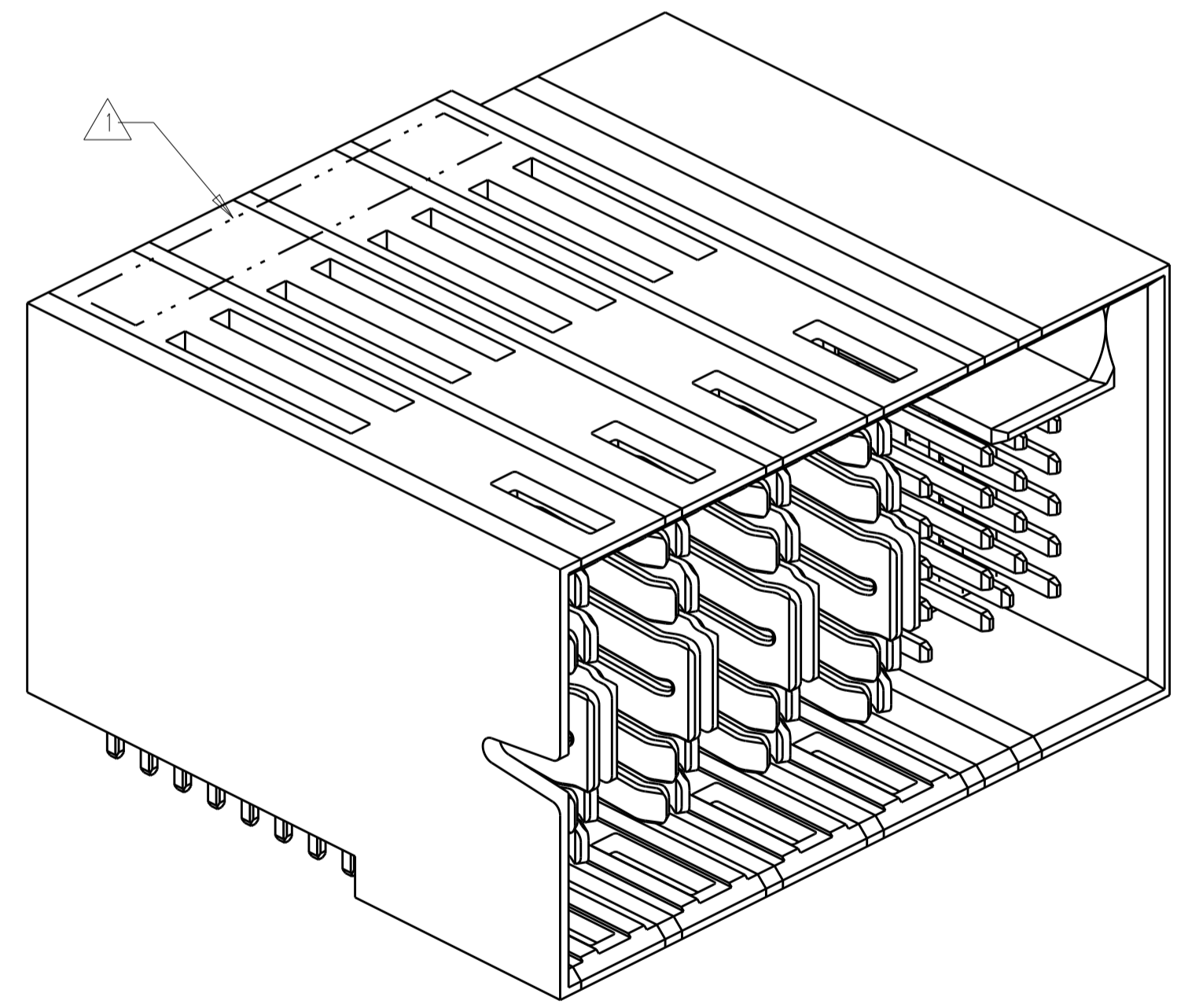
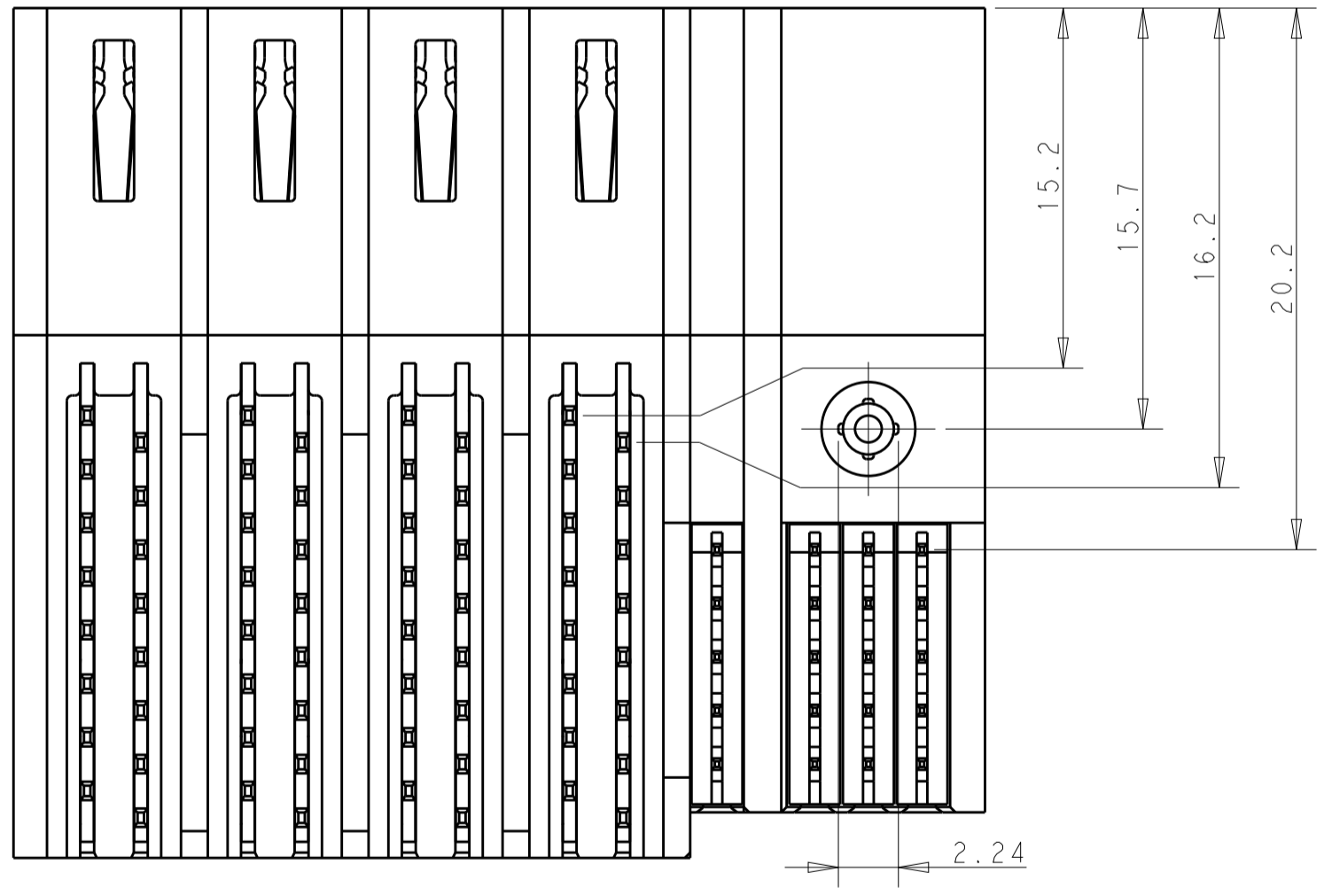
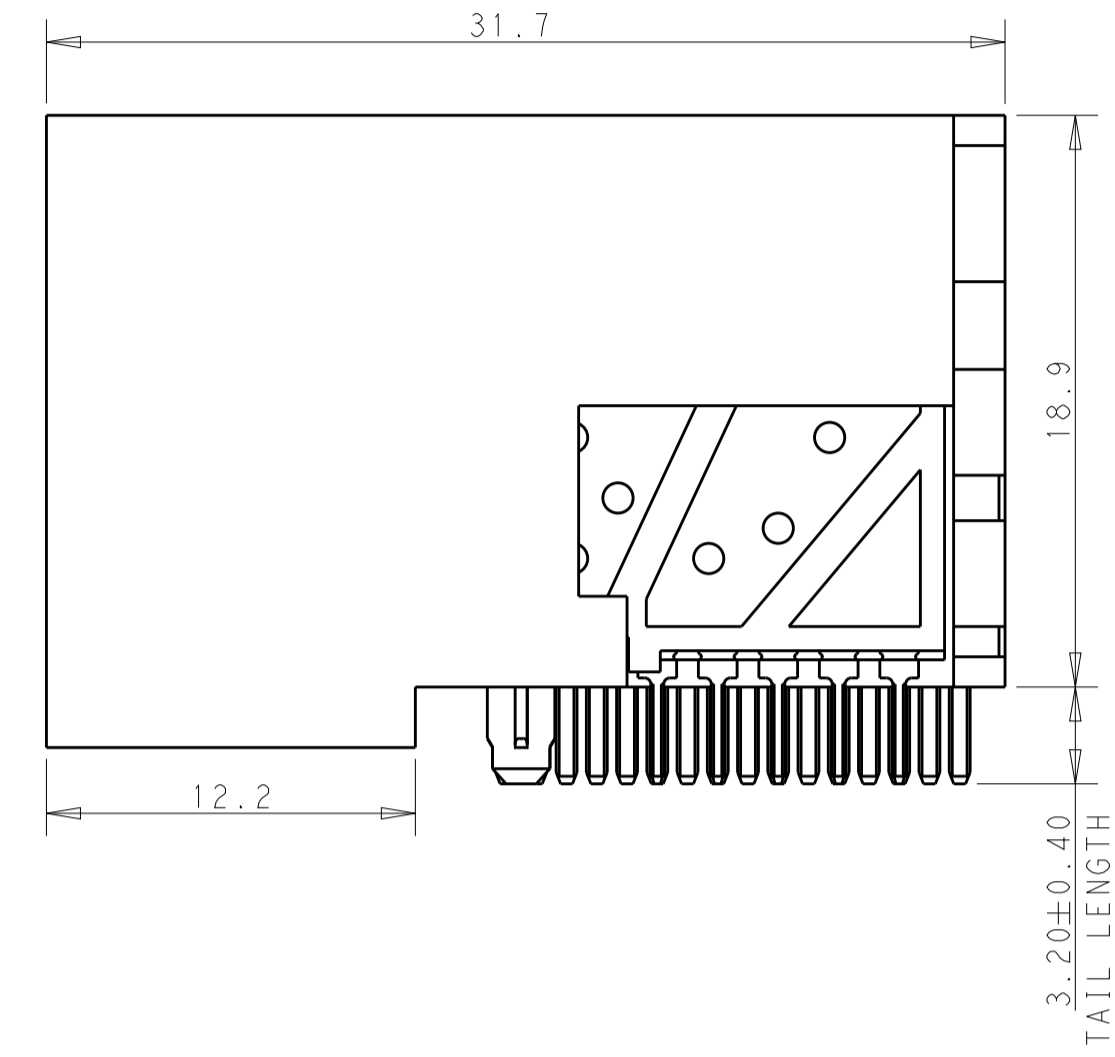
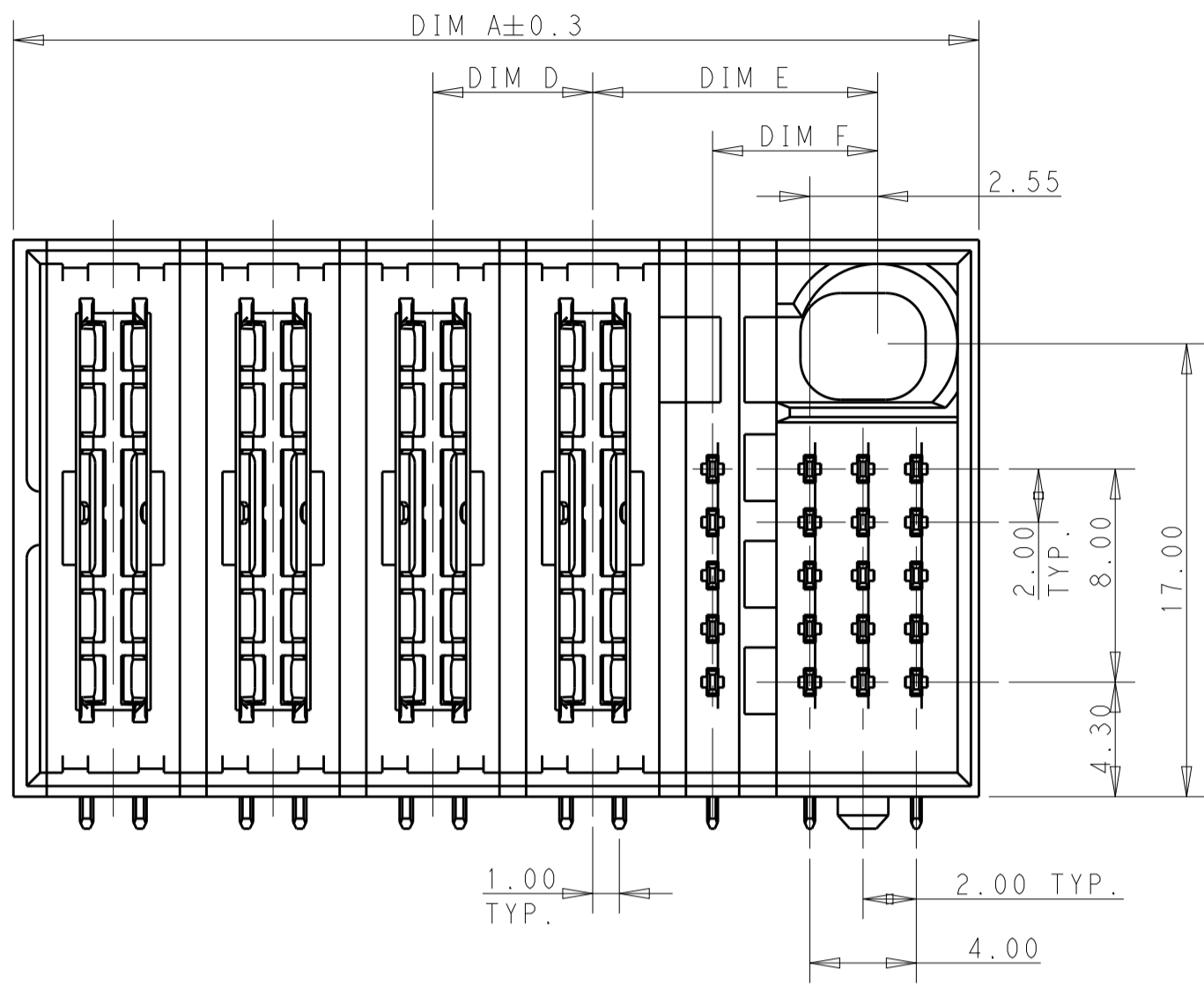


REVISIONS					
P.	LTM	DESCRIPTION	DATE	DWN	APVD
A7		ECR-19-018617	29NOV2019	TZ	SZ



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.  
 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.  
 8. THE UN-MATING DISTANCE IS 2.0MM FOR THE P/N: 1-2204456-0

PRELIMINARY	5.00	20.70	25.70	6.20	10.70	5.00	38.25	2P+2LP+2P+20S	1-2204456-0
PRELIMINARY	5.00	-	32.70	-	6.20	2.00	40.50	5P+25S	2204456-9
PRELIMINARY	-	-	-	-	7.70	5.00	40.50	15S+6P	2204456-8
PRELIMINARY	5.00	/	46.70	6.20	10.70	6.00	63.75	3VMP+6VP+20S	2204456-7
PRELIMINARY	5.00	20.70	25.70	6.20	10.70	5.00	38.25	2P+2LP+2P+20S	2204456-6
PRELIMINARY	5.00	20.70	25.70	6.20	10.70	5.00	38.25	2P+2LP+2P+20S	2204456-3
PRELIMINARY	-	-	-	6.20	10.70	6.00	36.25	4VP+20S	2204456-1
	DIM G.	DIM C.	DIM B.	DIM F.	DIM E.	DIM D.	DIM A.	DESCRIPTION	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: 27JULY2016  
 CHK: THOMAS ZHAO  
 SUNY ZHAO 27JULY2016

DIMENSIONS: mm  
 TOLERANCES UNLESS OTHERWISE SPECIFIED:  
 0 PLC ±0.4  
 1 PLC ±0.4  
 2 PLC ±0.25  
 3 PLC ±0.15  
 4 PLC ±0.0001  
 ANGLES ±0.0001

MATERIAL: 2  
 FINISH: 3

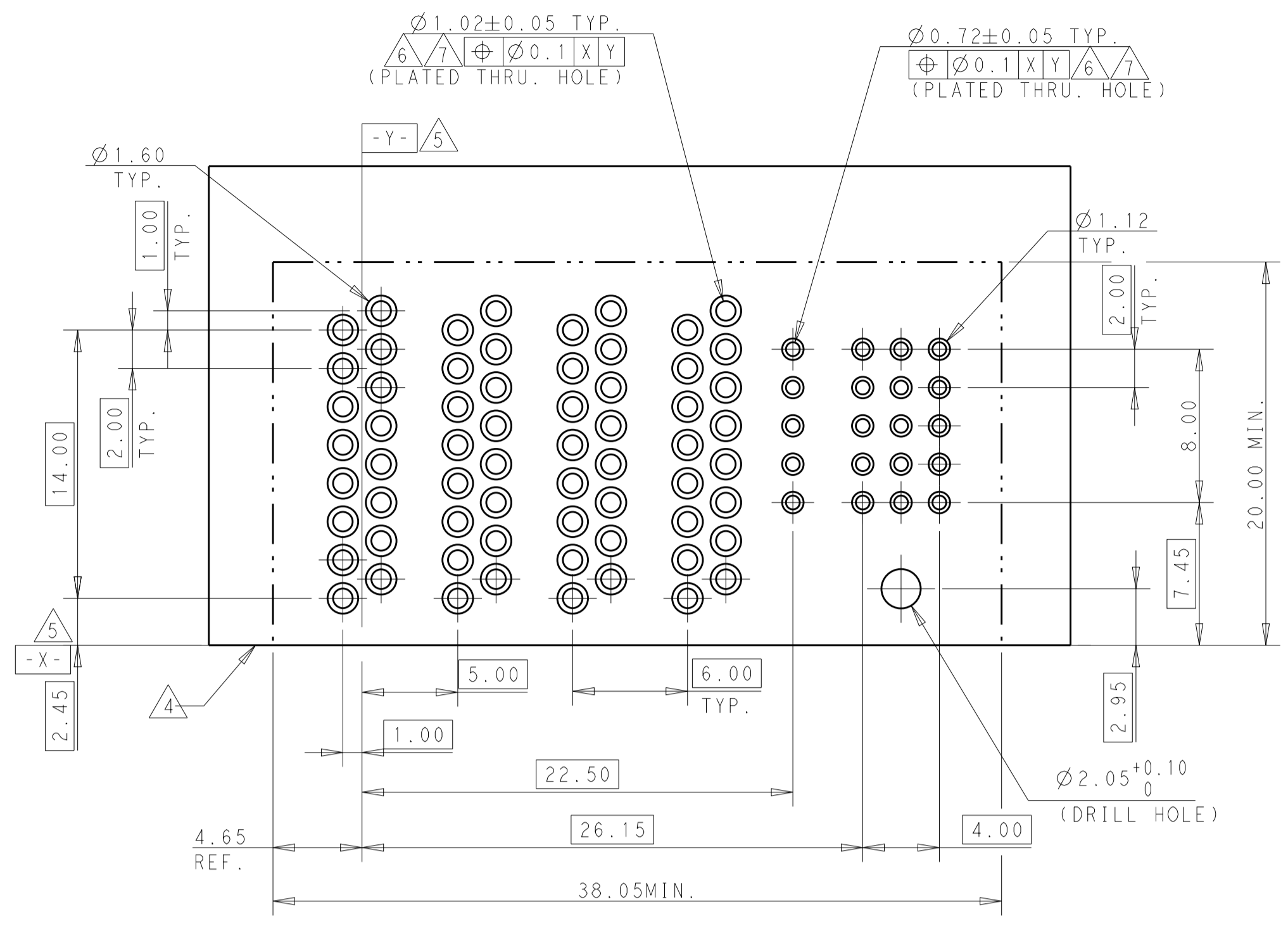
WEIGHT: -  
 CUSTOMER DRAWING

SCALE: 4:1  
 SHEET 1 OF 4  
 REV: A7

STE TE Connectivity  
 CUSTOMER DRAWING  
 R/A PLUG WITH SINGAL GIDE  
 MULTI-BEAM HD SOLDER TYPE

SIZE: A1  
 CAGE CODE: -  
 DRAWING NO: C=2204456

REVISIONS				
P	LTN	DESCRIPTION	DATE	APP'D
-	-	SEE SHEET 1	-	-



PCB LAYOUT PART NUMBER: 2204456-1

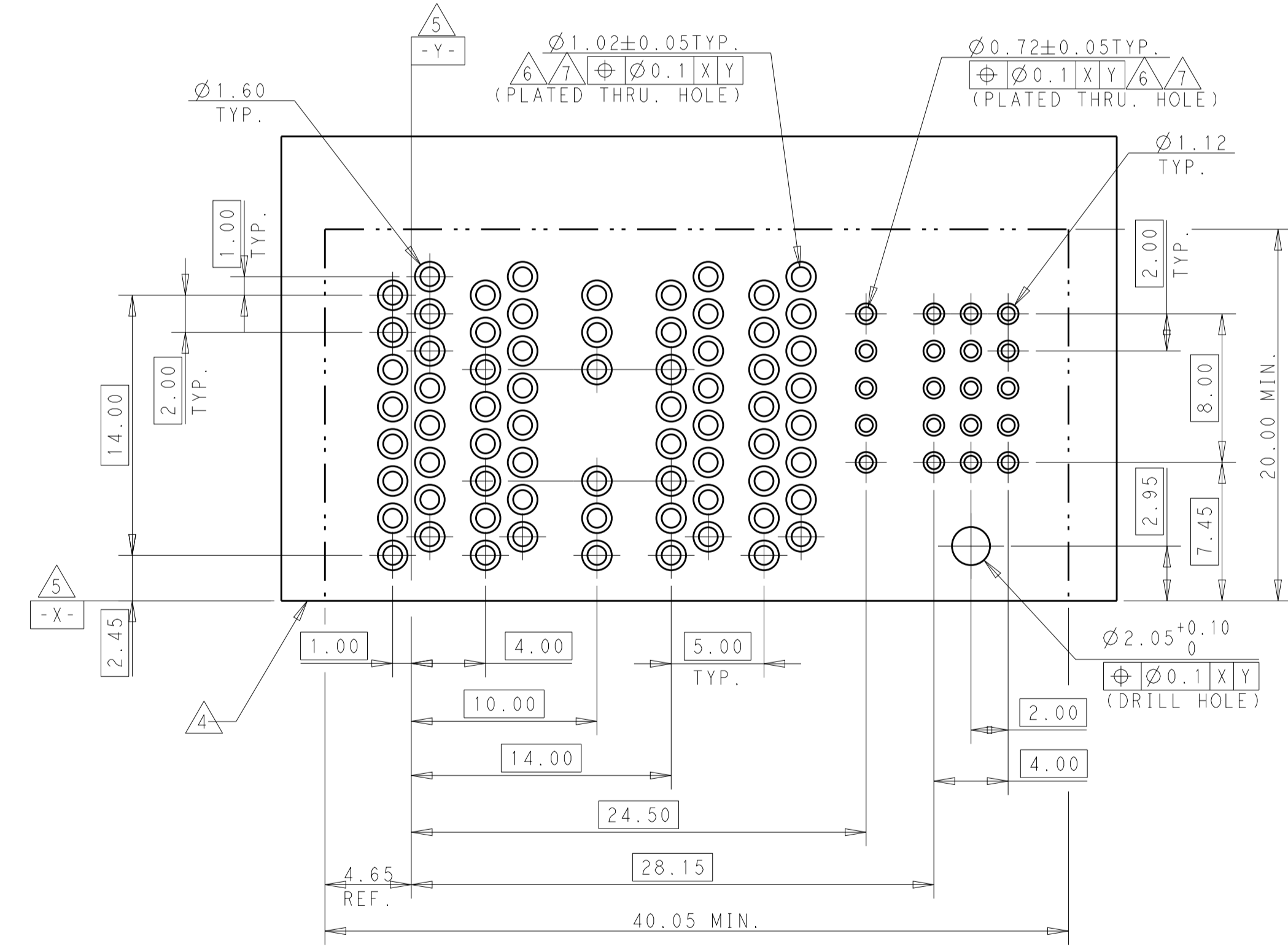
PART NUMBER	POWER				SIGNAL				ROWS
	P1	P2	P3	P4	I	2	3	4	
2204456-1	PK	PK	PK	PK	VK	VK	VK	VK	E D C B A
4VP+20S									

PART NUMBER	POWER				SIGNAL				ROWS
	P1	P2	LP	P3	P4	I	2	3	
2204456-3	PK	PK	LK	LK	PK	VK	VK	VK	E D C B A
2P+2LP+2P+20S									

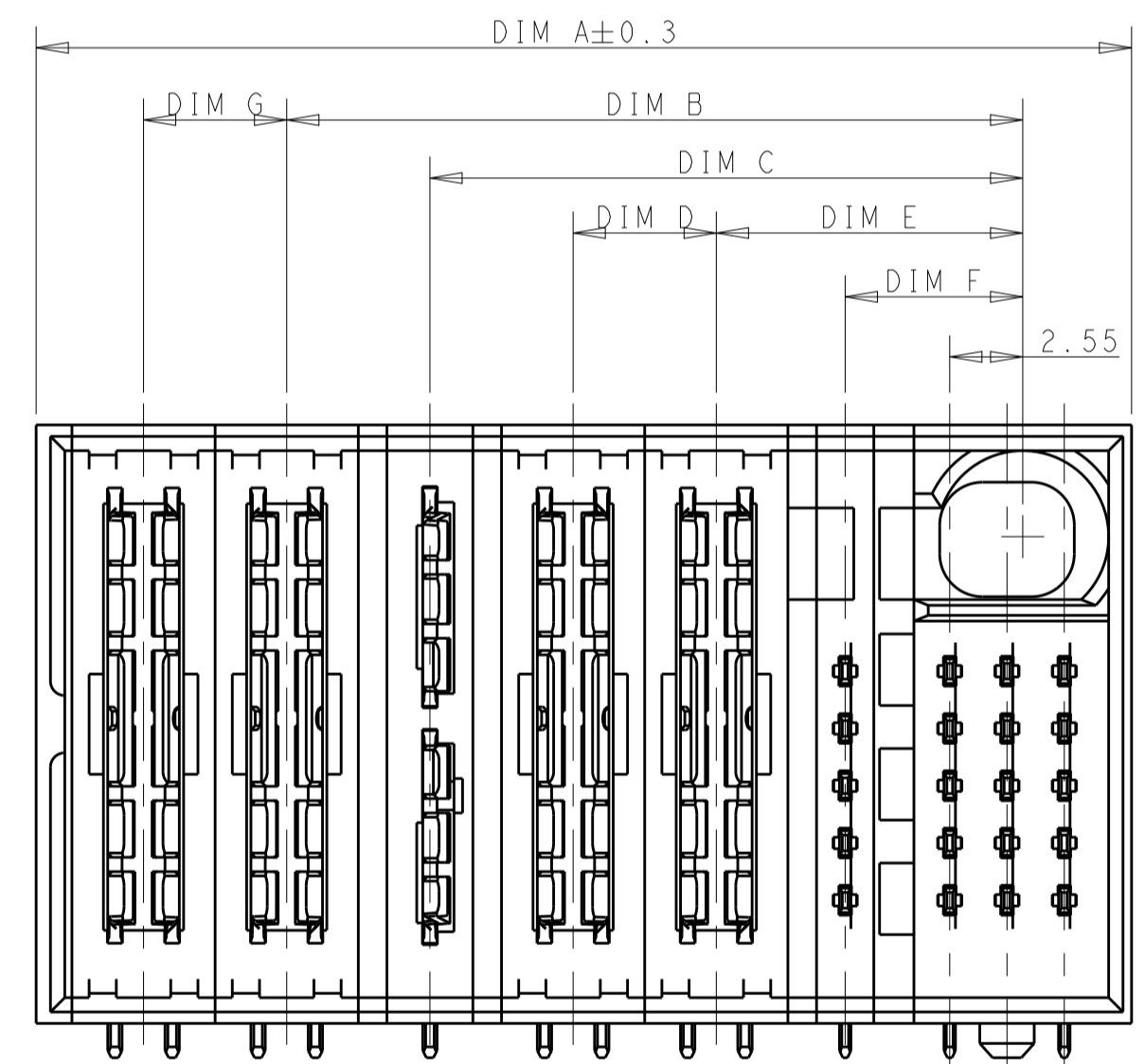
PART NUMBER	POWER				SIGNAL				ROWS
	P1	P2	LP	P3	P4	I	2	3	
2204456-6	PK	PK	LK	LK	PK	VJ	VJ	VJ	E D C B A
2P+2LP+2P+20S									

PART NUMBER	POWER						SIGNAL				ROWS			
	MP1	MP2	MP3	P1	P2	P3	P4	P5	P6	I		2	3	4
2204456-7	MK	MK	MK	PK	PK	PK	PK	PK	PK	VK	VK	VK	VK	E D C B A
3VMP+6VP+20S														

PART NUMBER	POWER				SIGNAL				ROWS
	P1	P2	LP	P3	P4	I	2	3	
1-2204456-0	PK	PK	LK	LK	PK	VY	VY	VY	E D C B A
2P+2LP+2P+20S									



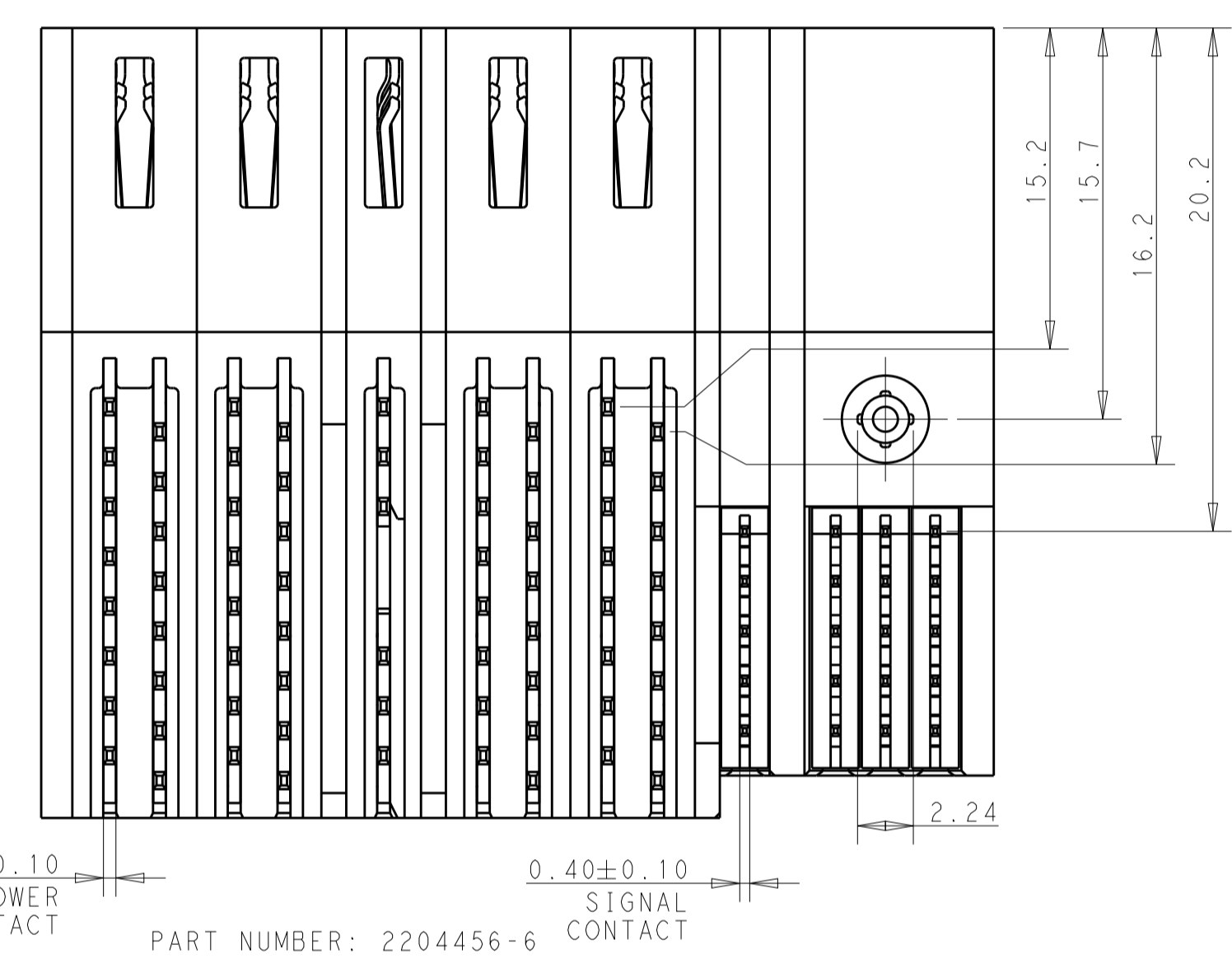
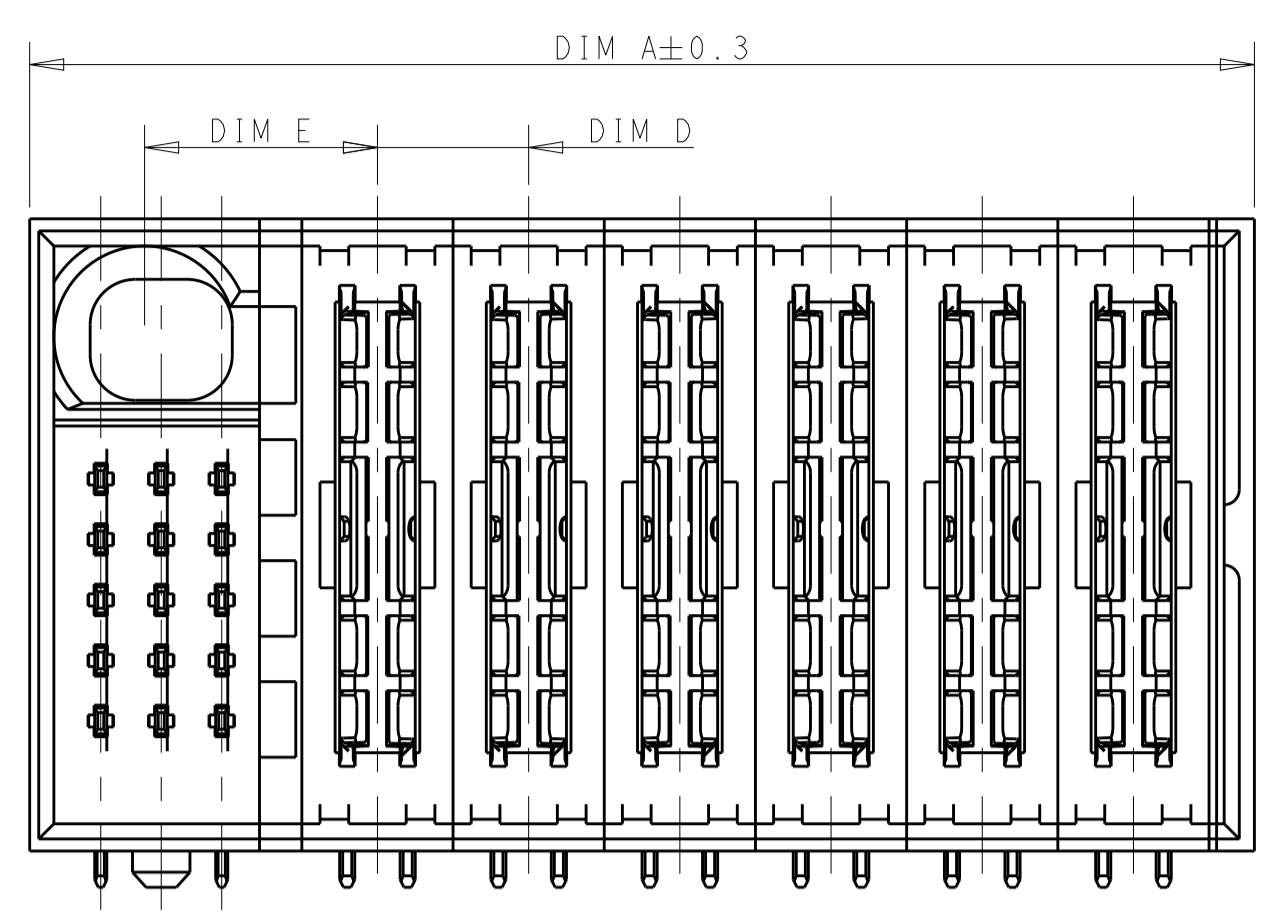
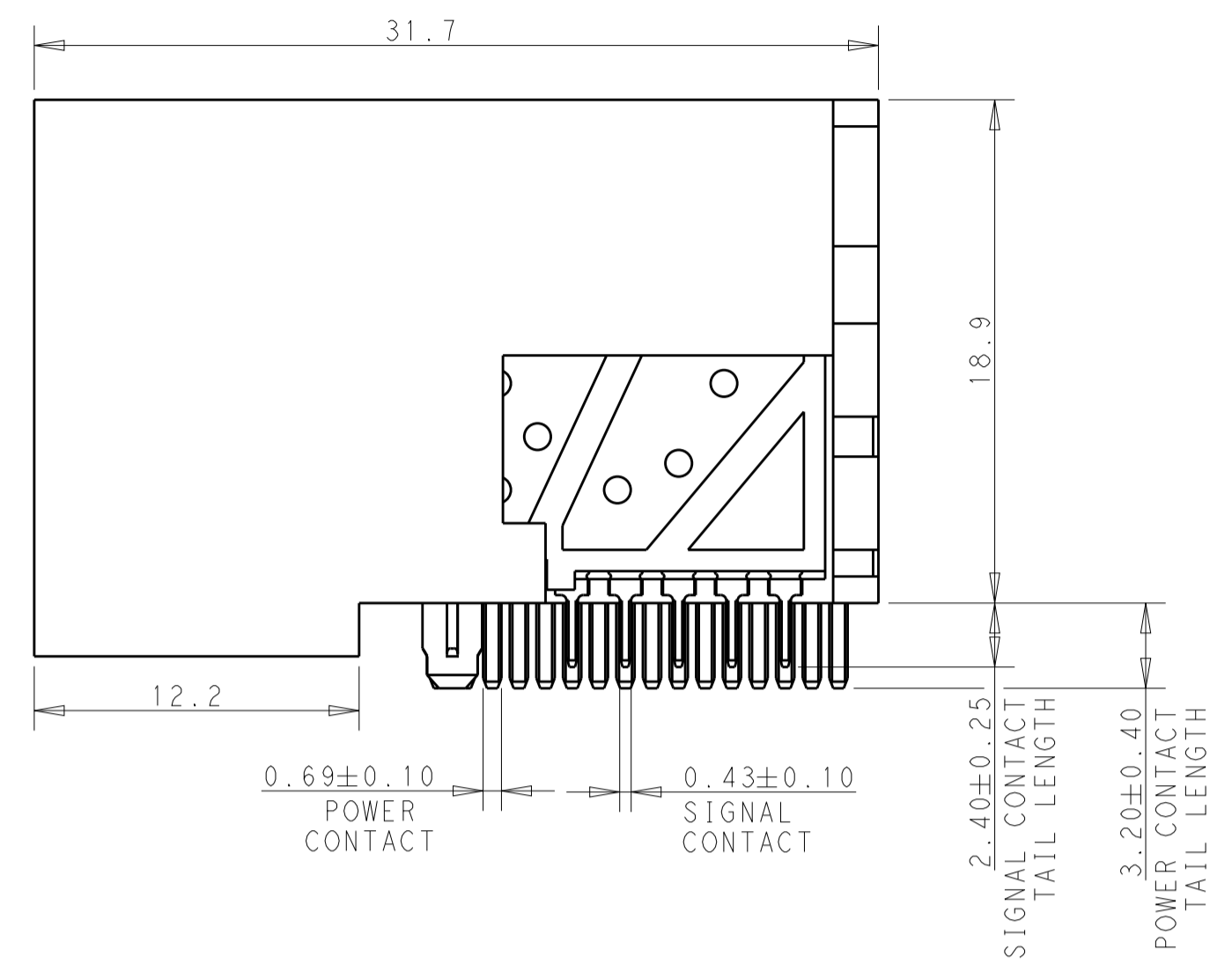
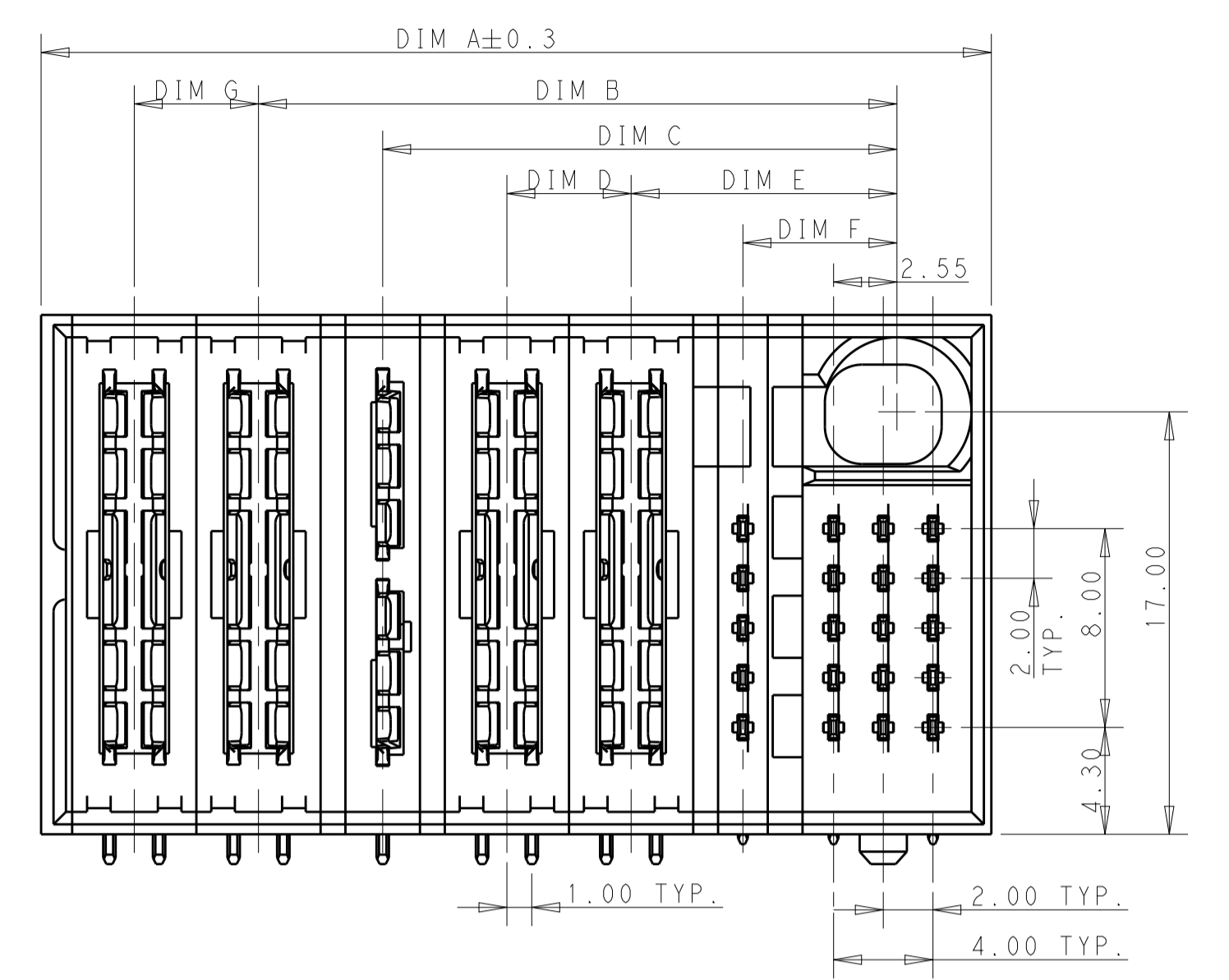
PCB LAYOUT PART NUMBER: 2204456-3/6/10



LEFT MIDDLE POWER CONTACT SOLDER TYPE	MK1
RIGHT MIDDLE POWER CONTACT SOLDER TYPE	MK2
POWER CONTACT SOLDER TYPE	PK
TOP LOW POWER CONTACT	LK1
BOTTOM LOW POWER CONTACT	LK2
I/M SIGNAL CONTACT STANDARD SOLDER EXTEND UM-MATING	VY1
I/M SIGNAL CONTACT MLBF SOLDER EXTEND UM-MATING	VY2
I/M SIGNAL CONTACT STANDARD SOLDER TAIL LENGTH 2.4MM	VJ1
I/M SIGNAL CONTACT MLBF SOLDER TAIL LENGTH 2.4MM	VJ2
I/M SIGNAL CONTACT STANDARD SOLDER TAIL LENGTH 3.2MM	VK1
I/M SIGNAL CONTACT MLBF SOLDER TAIL LENGTH 3.2MM	VK2
HP/SIGNAL WITH SINGAL GUIDE	HOUSING
DESCRIPTION	CODE

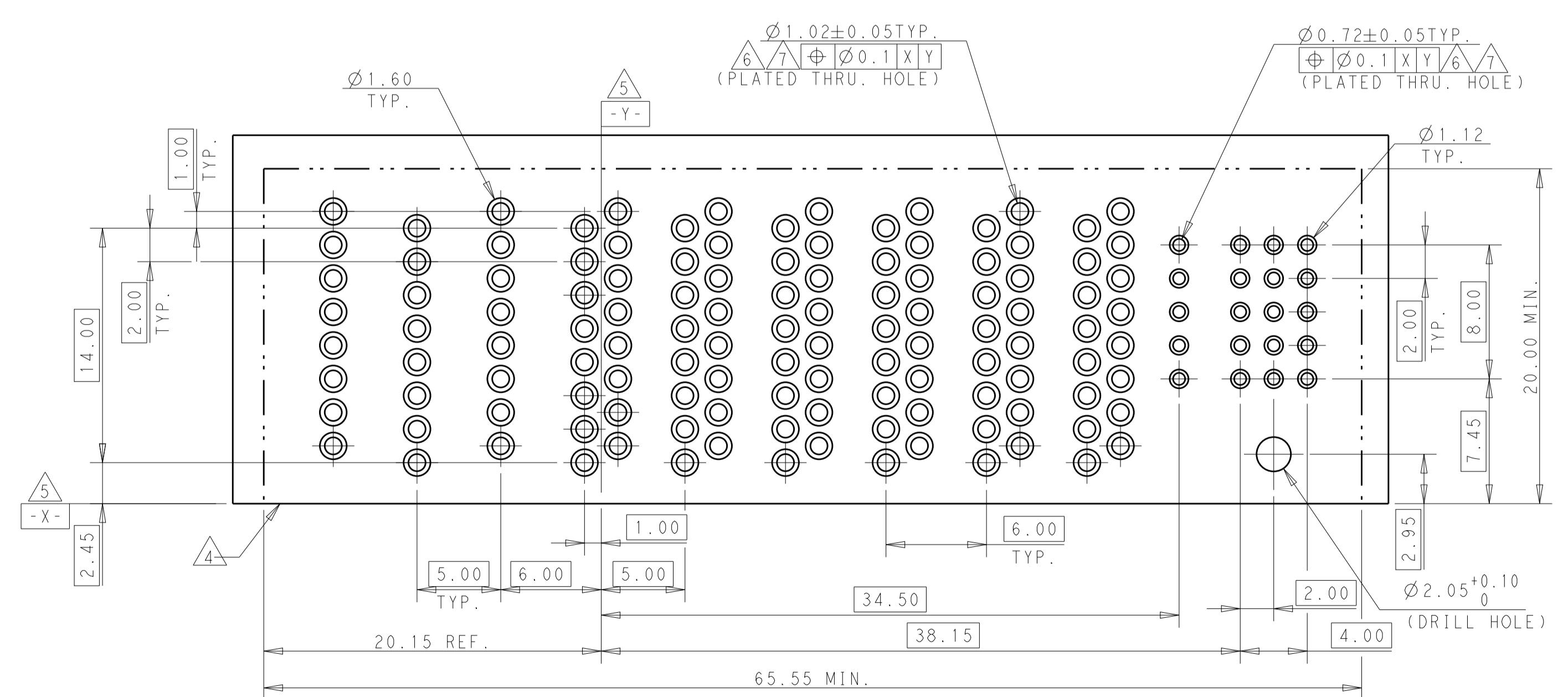
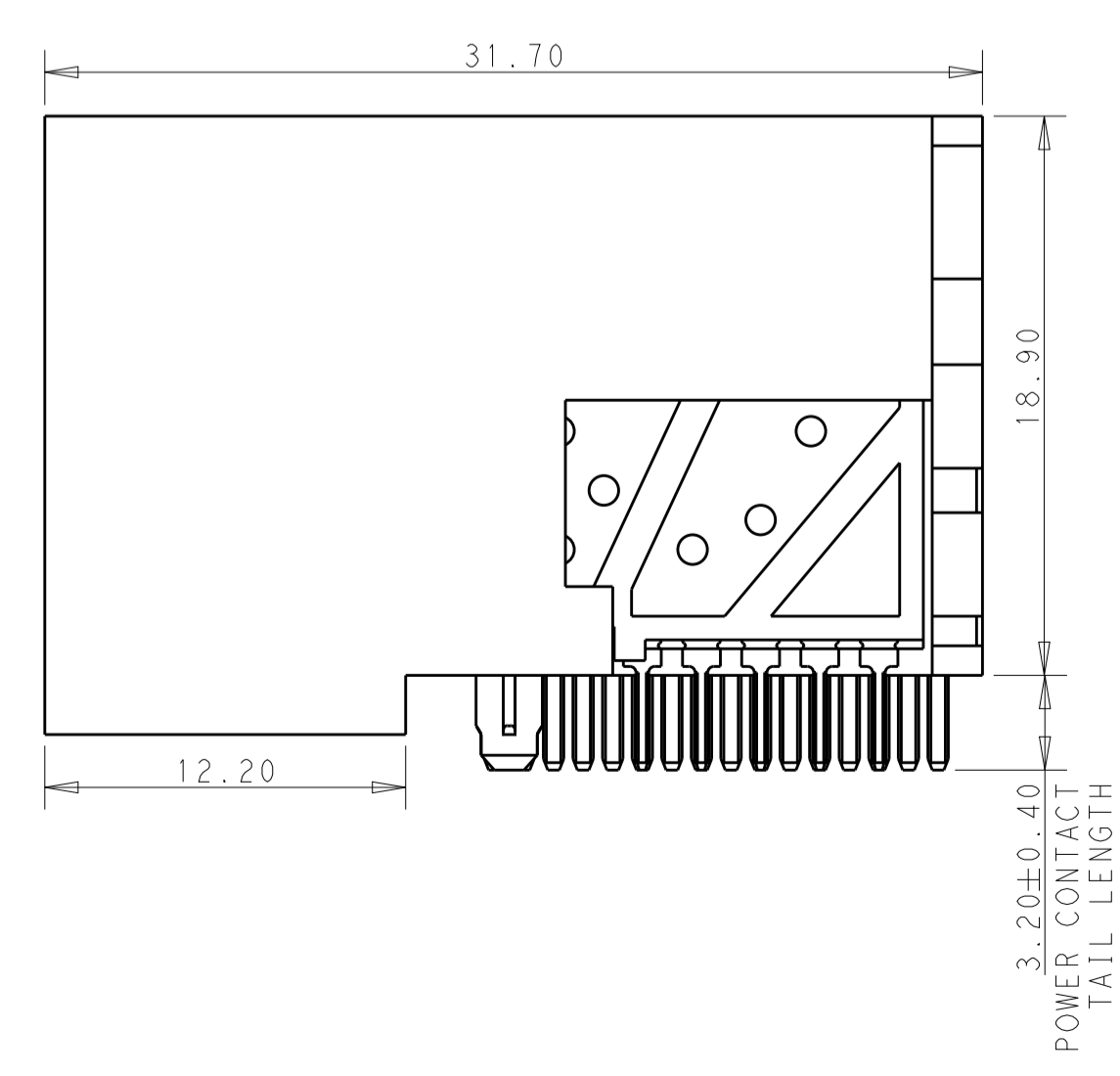
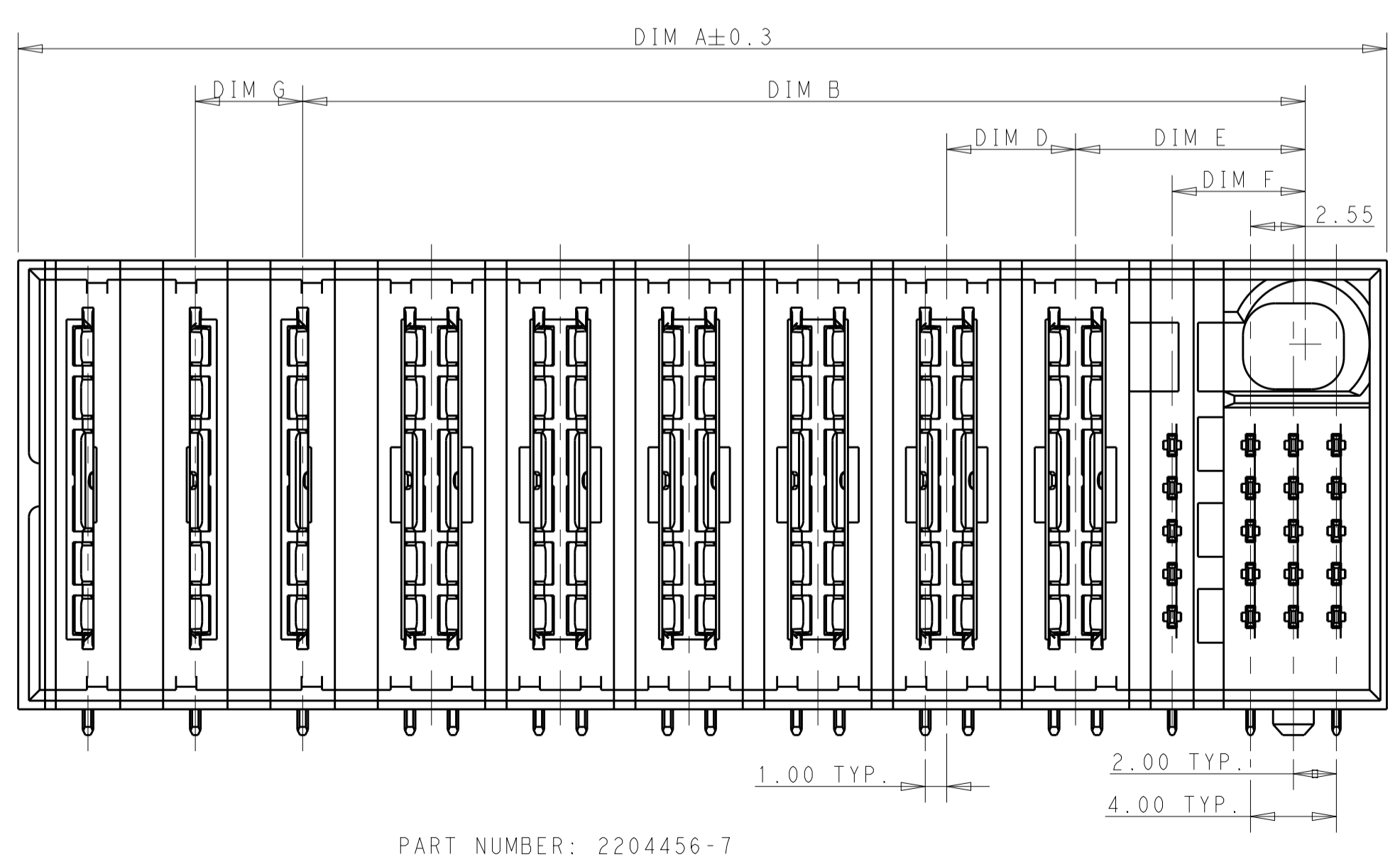
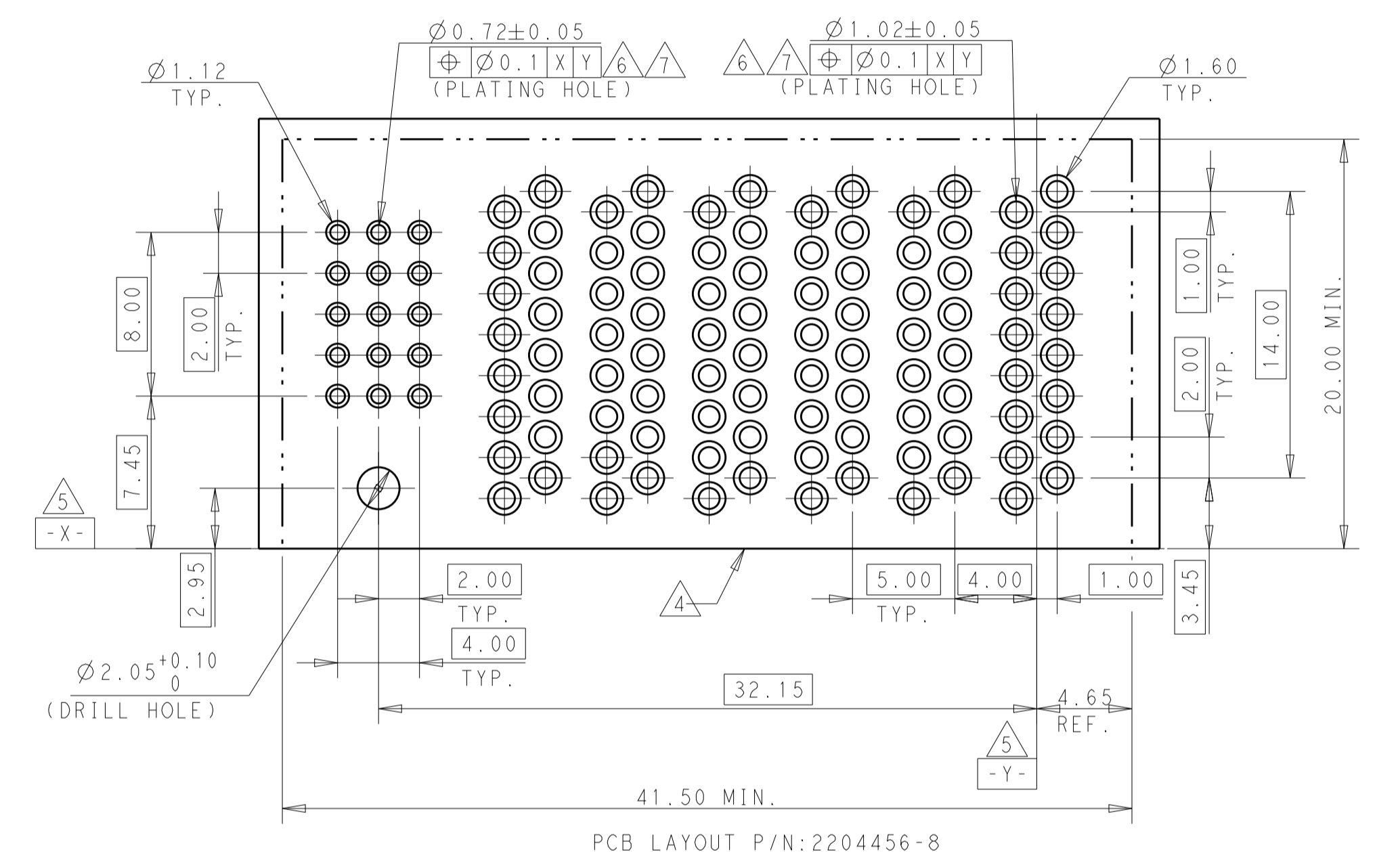
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: THOMAS ZHAO 27JULY2016	TE Connectivity
DIMENSIONS: mm		CHK: SUNY ZHAO 27JULY2016	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: SUNY ZHAO 27JULY2016	CUSTOMER DRAWING R/A PLUG WITH SINGAL GIDE MULTI-BEAM HD SOLDER TYPE
0 PLC ±0.4 2 PLC ±0.25 3 PLC ±0.15 4 PLC ±0.001 ANGLES ±0.001		PRODUCT SPEC APPLICATION SPEC SIZE: A1 CAGE CODE: C=2204456 DRAWING NO: 2204456	
MATERIAL: FINISH:		WEIGHT:	RESTRICTED TO: REV: A7
CUSTOMER DRAWING		SCALE: 3:1	SHEET: 2 OF 4

REVISIONS				
P.	LTN.	DESCRIPTION	DATE	APPV.
-	-	SEE SHEET 1	-	-



PART NUMBER	ROWS	SIGNAL			POWER					
		1	2	3	P1	P2	P3	P4	P5	P6
2204456-8	E	VK	VK	VK	PK	PK	PK	PK	PK	PK
	D	VK	VK	VK						
	C	VK	VK	VK						
	B	VK	VK	VK						
	A	VK	VK	VK						

15S+6P



PART NUMBER: 2204456-7

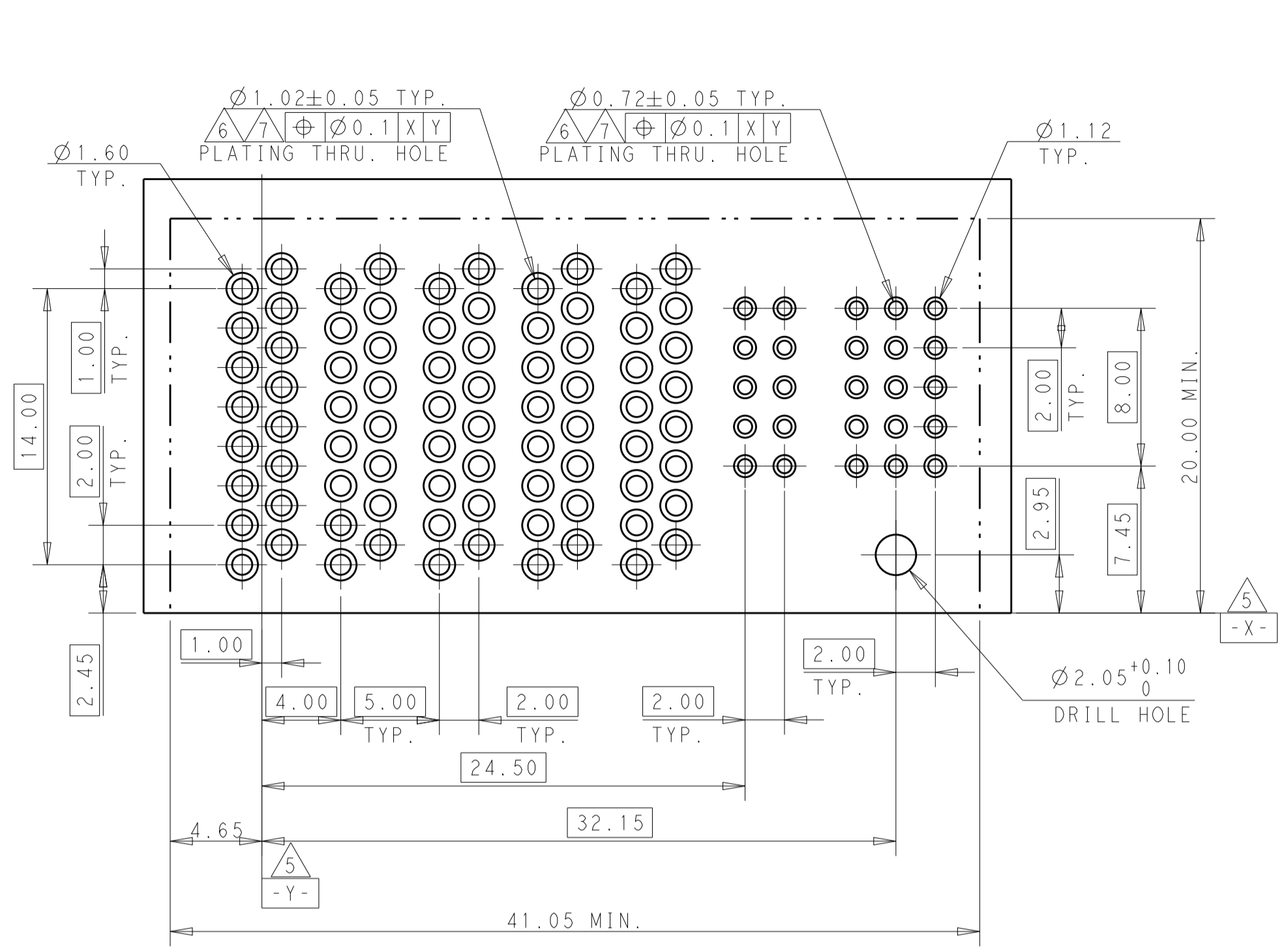
PCB LAYOUT PART NUMBER: 2204456-7

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: THOMAS ZHAO 27JULY2016  
 CHK: SUNY ZHAO 27JULY2016  
 APPV: SUNY ZHAO 27JULY2016

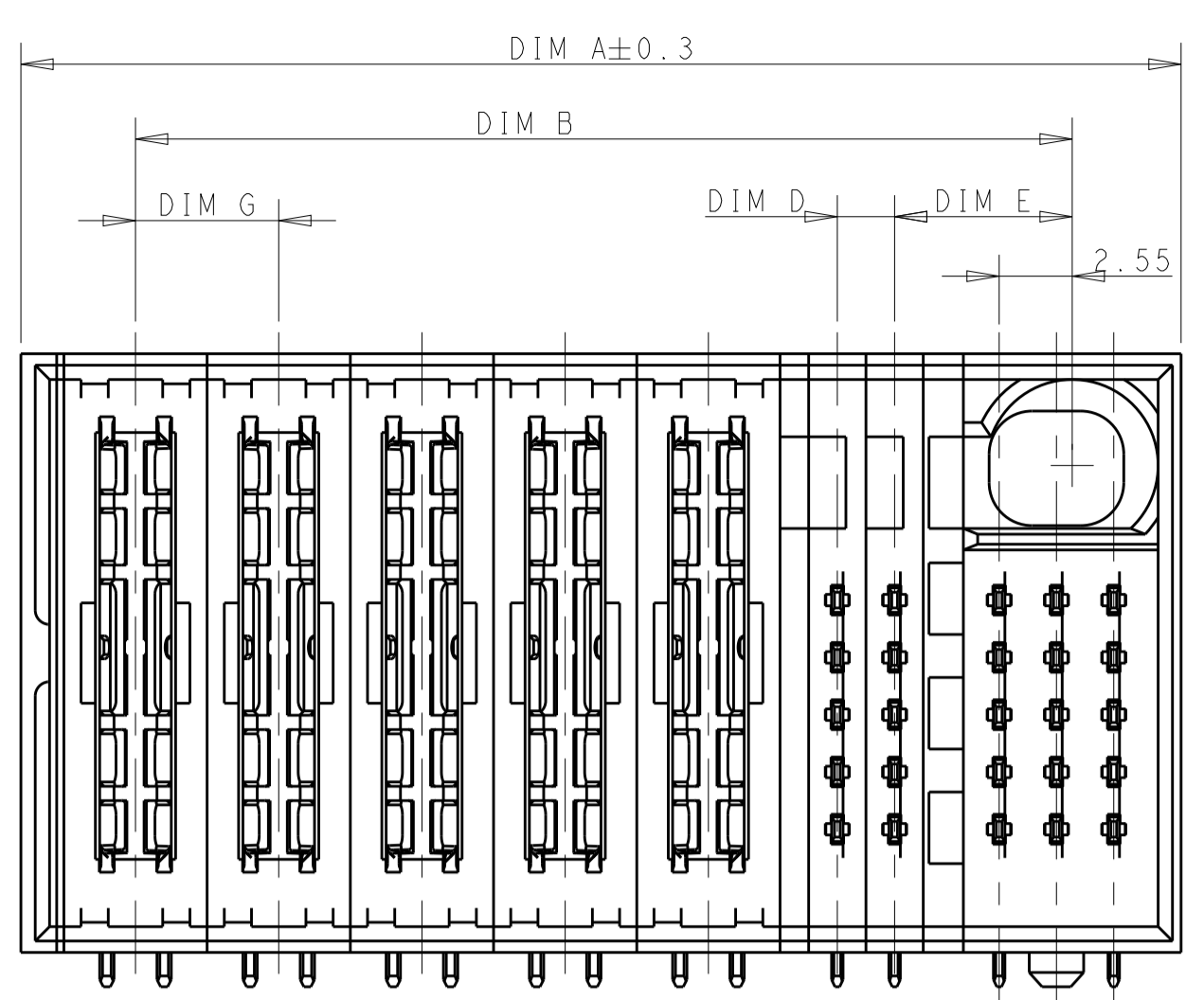
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME	CUSTOMER DRAWING
mm	0 PLC ±0.4 1 PLC ±0.4 2 PLC ±0.25 3 PLC ±0.15 4 PLC ±0.001	PRODUCT SPEC	R/A PLUG WITH SINGAL GIDE
MATERIAL:	FINISH:	APPLICATION SPEC	MULTI-BEAM HD SOLDER TYPE
		WEIGHT	SIZE: A1
		CUSTOMER DRAWING	SCALE: 4:1 SHEET 3 OF 4 REV A7

STE TE Connectivity

REVISIONS				
P.	LTN.	DESCRIPTION	DATE	APVD.
-	-	SEE SHEET 1	-	-



PCB LAYOUT FOR 2204456-9



PART NUMBER: 2204456-9

PART NUMBER	POWER					SIGNAL					ROWS
	P1	P2	P3	P4	P5	1	2	3	4	5	
2204456-9	PK	PK	PK	PK	PK	KK	KK	KK	KK	KK	E
5P+25S						KK	KK	KK	KK	KK	D
						KK	KK	KK	KK	KK	C
						KK	KK	KK	KK	KK	B
						KK	KK	KK	KK	KK	A

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: THOMAS_ZHAO 27JULY2016	TE Connectivity
DIMENSIONS: mm		CHK: SUNY_ZHAO 27JULY2016	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.4 1 PLC ±0.4 2 PLC ±0.25 3 PLC ±0.15 4 PLC ±0.001 ANGLES ±0.001		APVD: SUNY_ZHAO 27JULY2016	
MATERIAL: -	FINISH: -	WEIGHT: -	NAME: CUSTOMER DRAWING PRODUCT SPEC: R/A PLUG WITH SINGAL GIDE APPLICATION SPEC: MULTI-BEAM HD SOLDER TYPE SIZE: A1 CAGE CODE: - DRAWING NO: C=2204456 RESTRICTED TO: - CUSTOMER DRAWING SCALE: 4:1 SHEET: 4 OF 4 REV: A7

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