

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A7	ECR-19-018617	29NOV2019	TZ	SZ
	A8	ECR-21-119940	22OCT2021	TZ	SH

NOTES,UNLESS OTHERWISE SPECIFIED:

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

2MATERIAL:

HOUSING - GLASS FILLED HIGH TEMP THERMO PLASTIC,
COLOR: BLACK, UL94 V- 0.

SIGNAL CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.

POWER CONTACT - HIGH CONDUCTIVITY COPPER ALLOY.

3CONTACT PLATING:

MATING AREA - NOBLE METAL OVERALL NICKEL

TAIL SIDE AREA - MATTE TIN OVERALL NICKEL.

4.MECHANICAL CONNECTOR KEEP OUT ZONE.

5DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.

6PCB - ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.

7PCB HOLE:

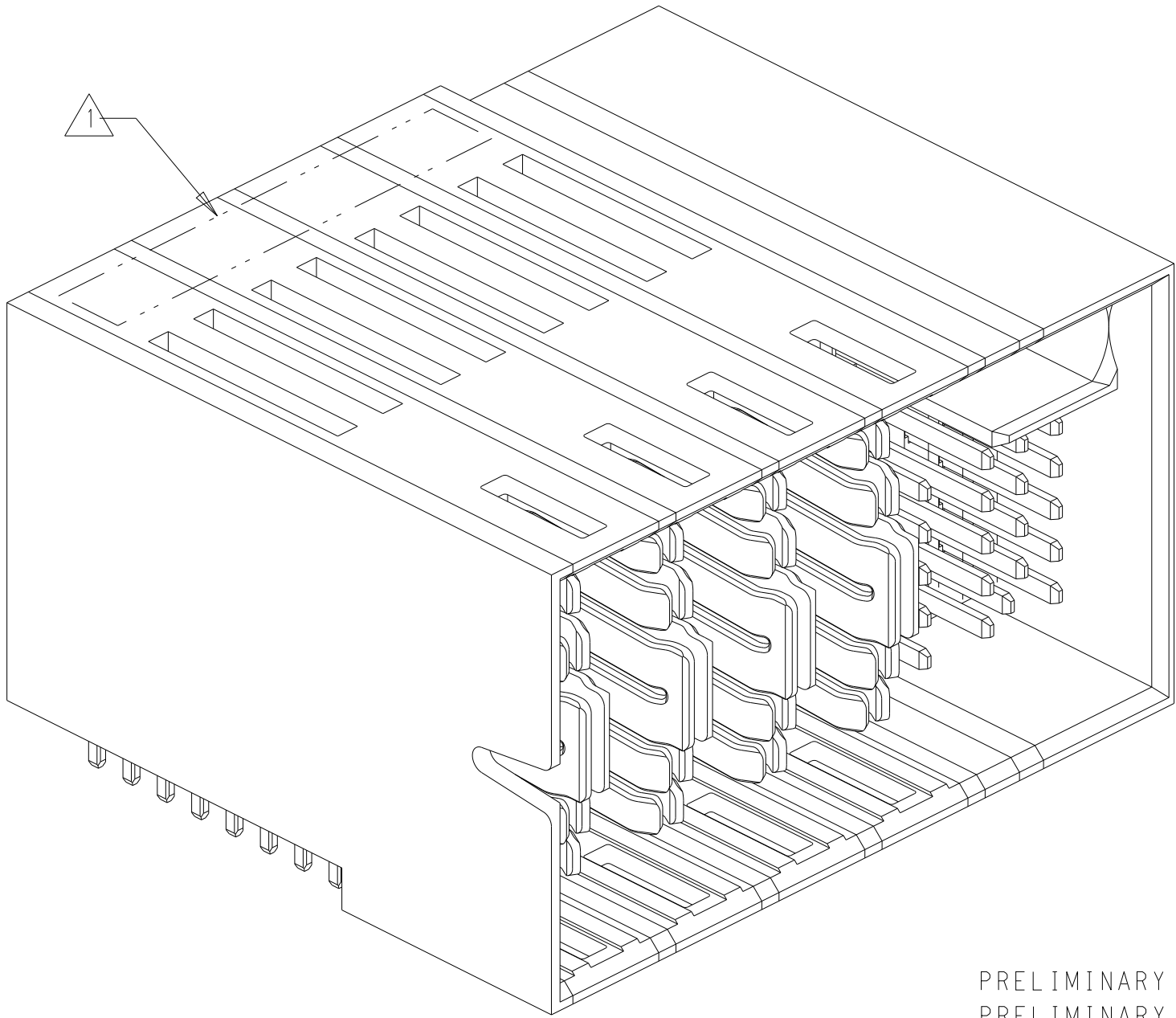
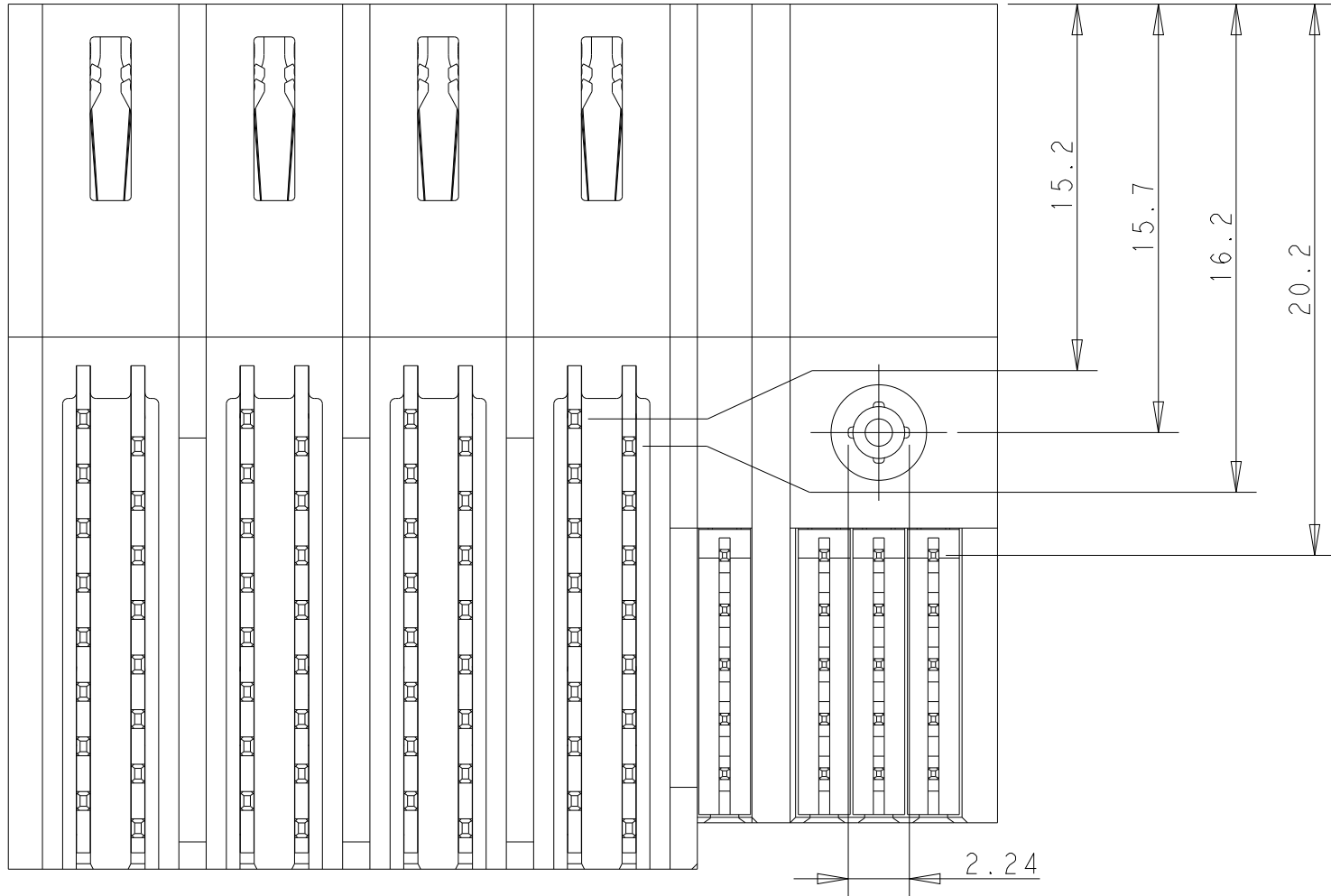
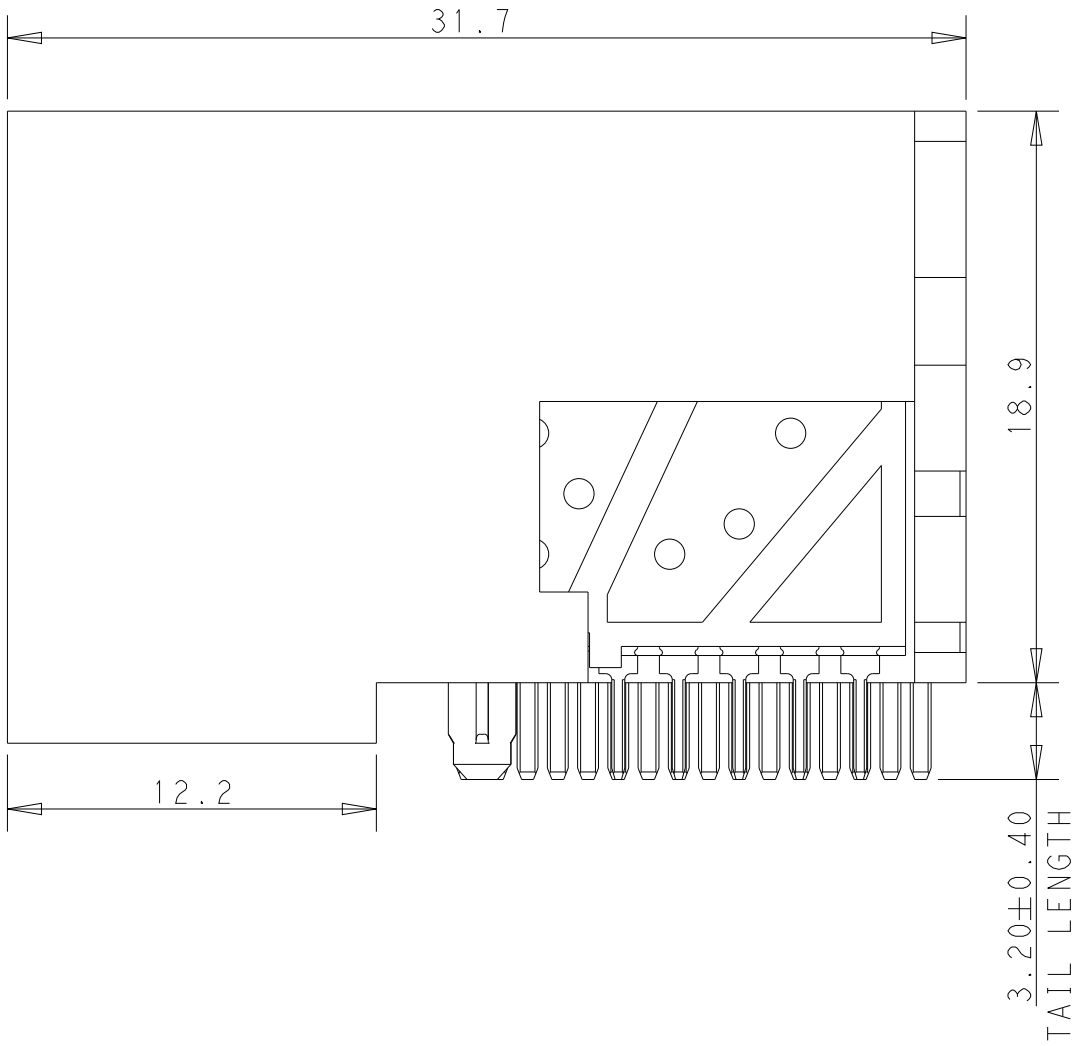
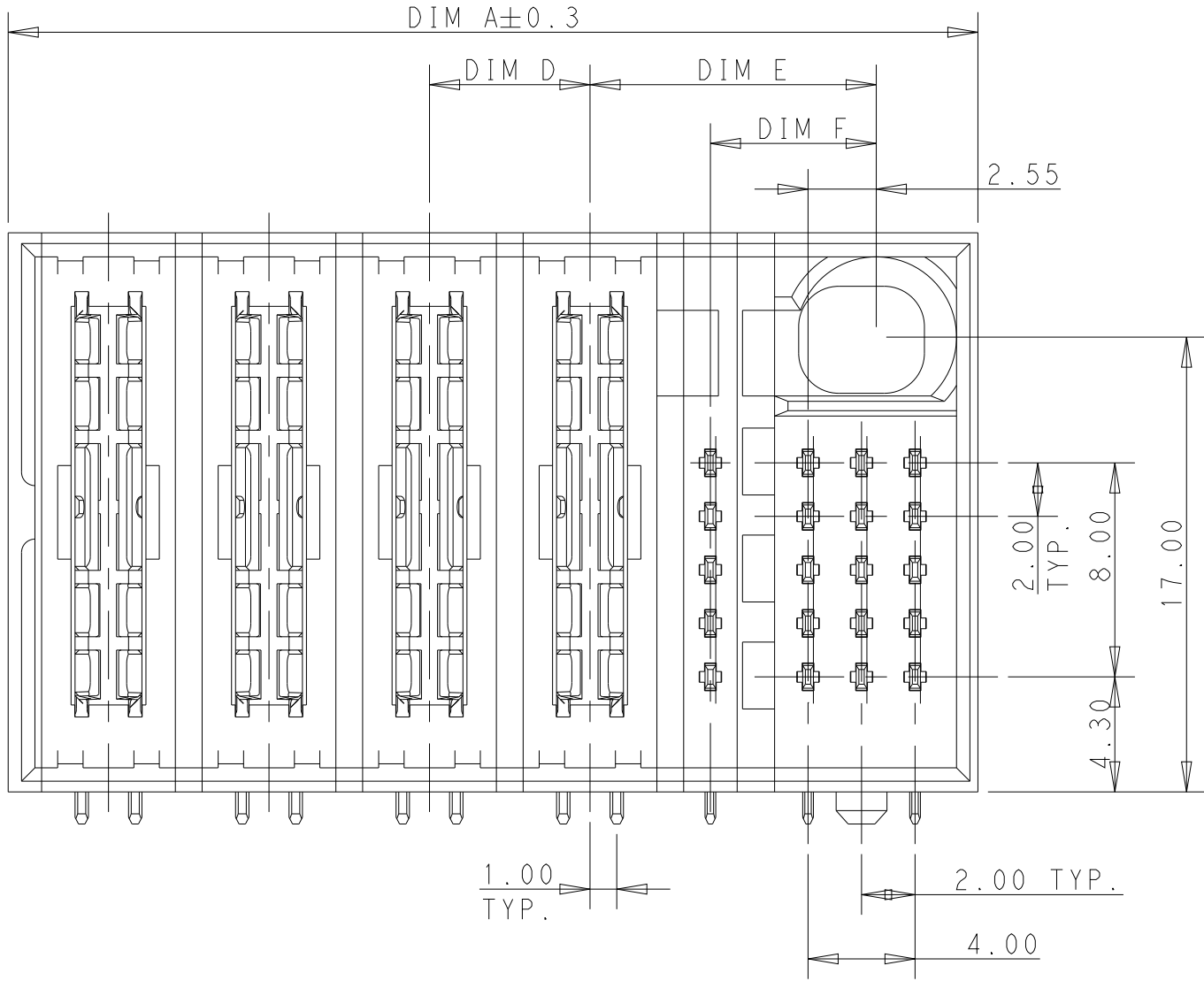
POWER - 1.15±0.025 MM DRILLED HOLES SIZE PLATING WITH 0.0076 MM MIN.

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.

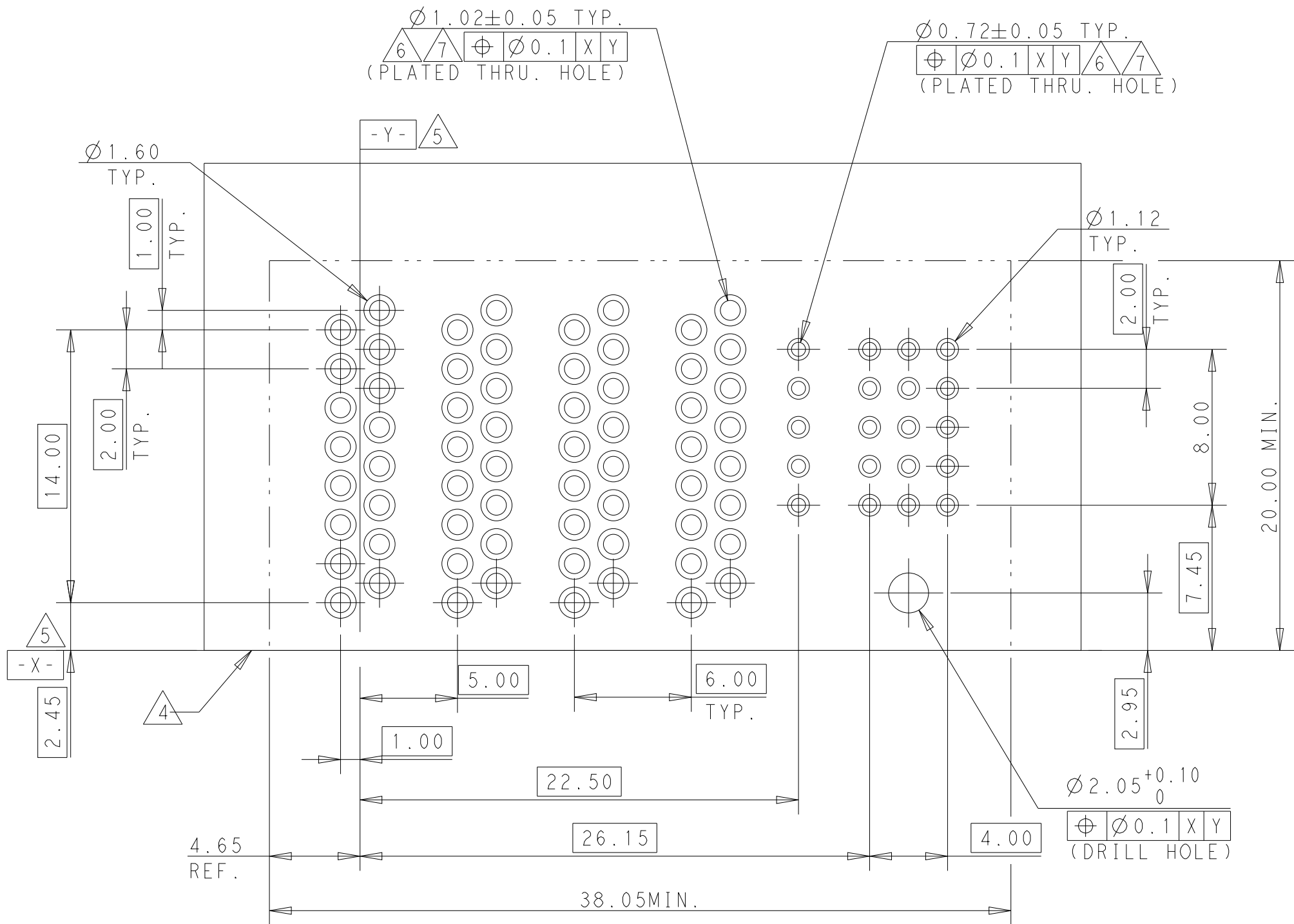
8.THE UN-MATING DISTANCE IS 2.0MM FOR THE P/N:1-2204456-0



PRELIMINARY	13.00	5.00	59.15	59.70	26.00	39.00	52.00	67.25	10S+1P+2P+2P+2P	1-2204456-4
PRELIMINARY	-	5.00	-	12.70	-	-	-	20.25	2P+15S	1-2204456-3
PRELIMINARY	-	5.00	-	12.70	-	-	-	20.25	2MP+15S	1-2204456-2
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 H.	DIM G.	DIM C.	DIM B.	DIM F.	DIM E.	DIM D.	DIM A.	DESCRIPTION	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT.			DWN THOMAS ZHAO 27JULY2016		 TE Connectivity		
TOLERANCES UNLESS OTHERWISE SPECIFIED:			CHK SUNY ZHAO 27JULY2016				
DIMENSIONS:			APVD SUNY ZHAO 27JULY2016				
mm			PRODUCT SPEC				
			APPLICATION SPEC				
P 0 P L C ±: ±0.4 2 P L C ±0.25 3 P L C ±0.15 4 P L C ±0.0001 ±:			CUSTOMER DRAWING R/A PLUG WITH SINGAL GUIDE MULTI-BEAM HD SOLDER TYPE		SIZE CASE CODE DRAWING NO RESTRICTED TO		
MATERIAL FINISH			WEIGHT -		A1 - C=2204456 -		
: 2			CUSTOMER DRAWING		SCALE 4:1 SHEET 1 OF 4 REV A8		

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



PCB LAYOUT PART NUMBER: 2204456-1

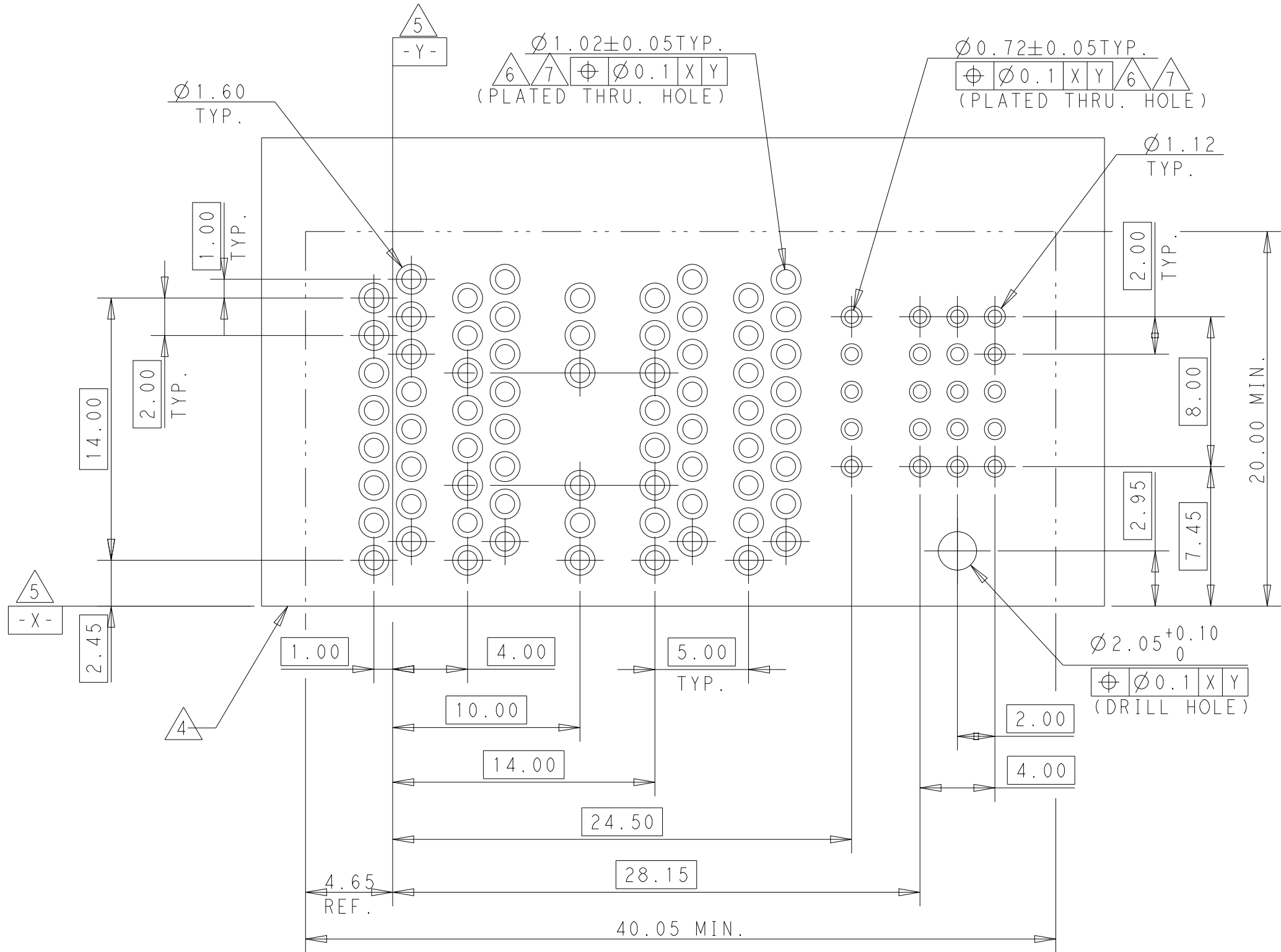
PART NUMBER	POWER				SIGNAL				ROWS
	P1	P2	P3	P4	1	2	3	4	
2204456-1	PK	PK	PK	PK					E D C B A
4VP+20S									

PART NUMBER	POWER					SIGNAL				ROWS
	P1	P2	LP	P3	P4	1	2	3	4	
2204456-3	PK	PK	LK1	PK	PK					E D C B A
2P+2LP+2P+20S										

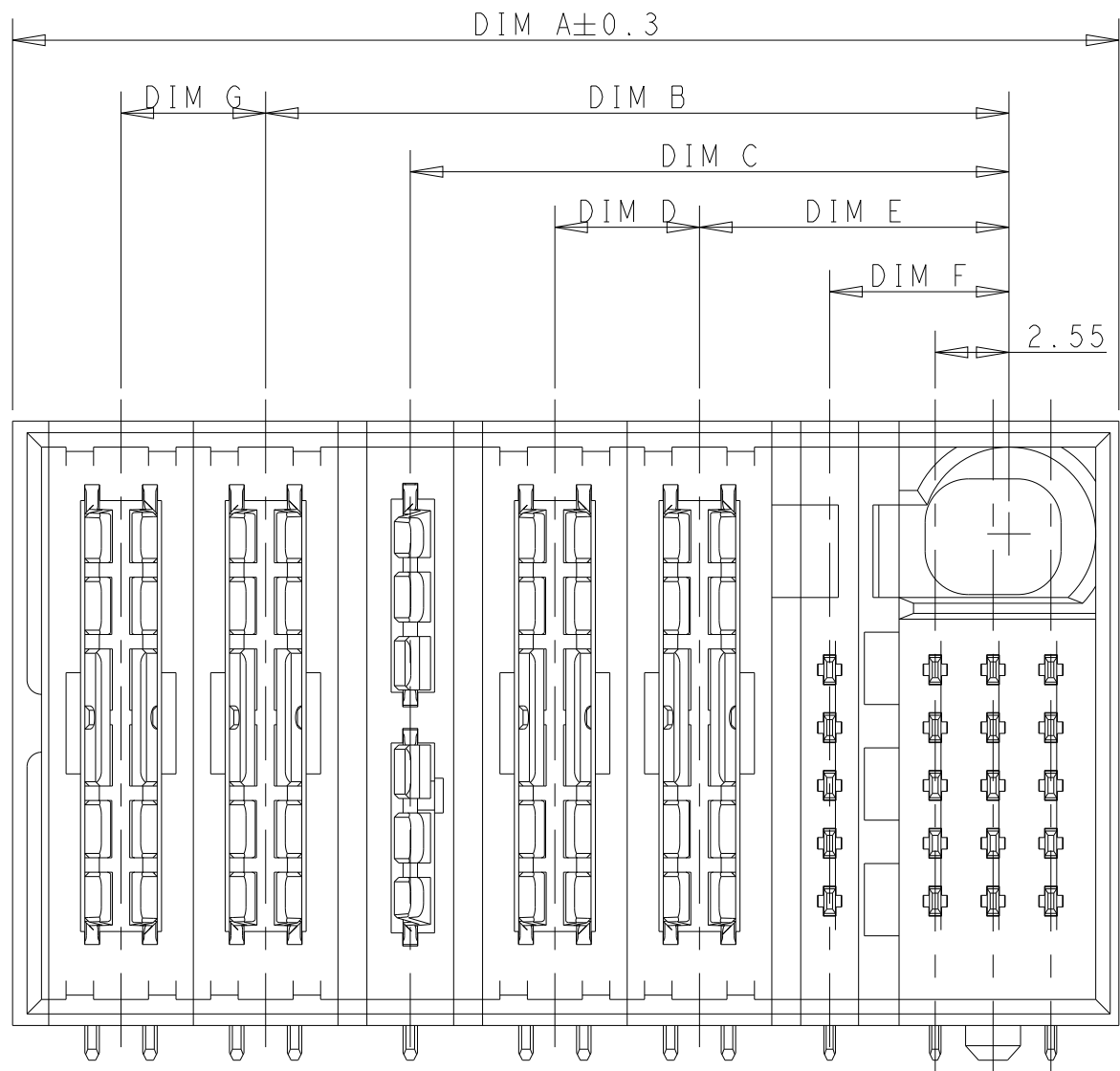
PART NUMBER	POWER					SIGNAL				ROWS
	P1	P2	LP	P3	P4	1	2	3	4	
2204456-6	PK	PK	L K 1	PK	PK					E D C B A
			L K 2			V ₁	V ₂	V ₃	V ₄	
						V ₁	V ₂	V ₃	V ₄	
			V ₁			V ₂	V ₃	V ₄		
			V ₁			V ₂	V ₃	V ₄		
2P+2LP+2P+20S										

PART NUMBER	POWER									SIGNAL				ROWS
	MP1	MP2	MP3	P1	P2	P3	P4	P5	P6	1	2	3	4	
2204456-7	MK	MK	MK	PK	PK	PK	PK	PK	PK					E
	2	1	2							VK	VK	VK	VK	D
										VK	VK	VK	VK	C
										VK	VK	VK	VK	B
										VK	VK	VK	VK	A
3VMP+6VP+20S														

PART NUMBER	POWER				SIGNAL				ROWS	
	P1	P2	LP	P3	P4	1	2	3		4
1-2204456-0	PK	PK	L K 1	PK	PK					
2P+2LP+2P+20S										

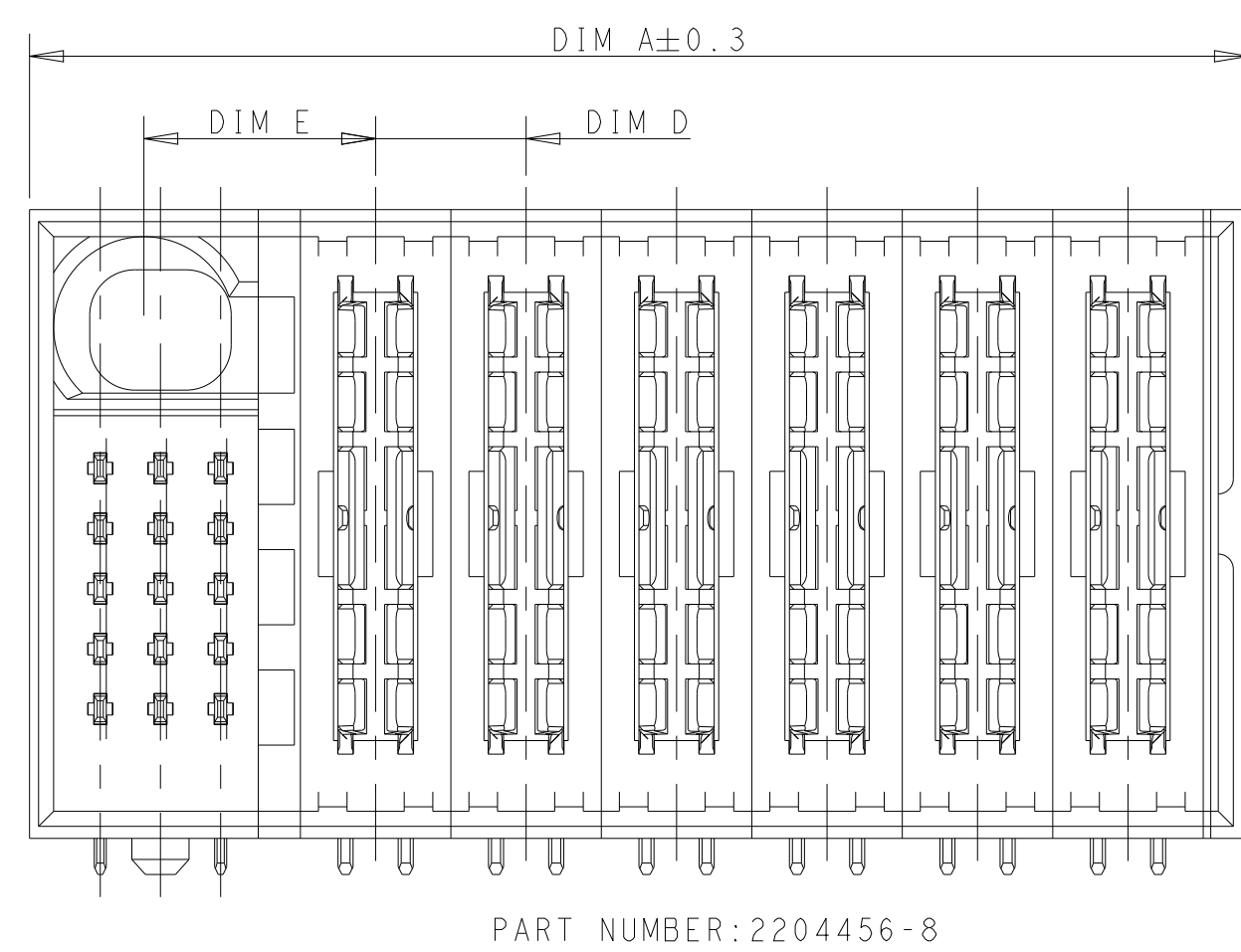


PCB LAYOUT PART NUMBER: 2204456-3/6/10

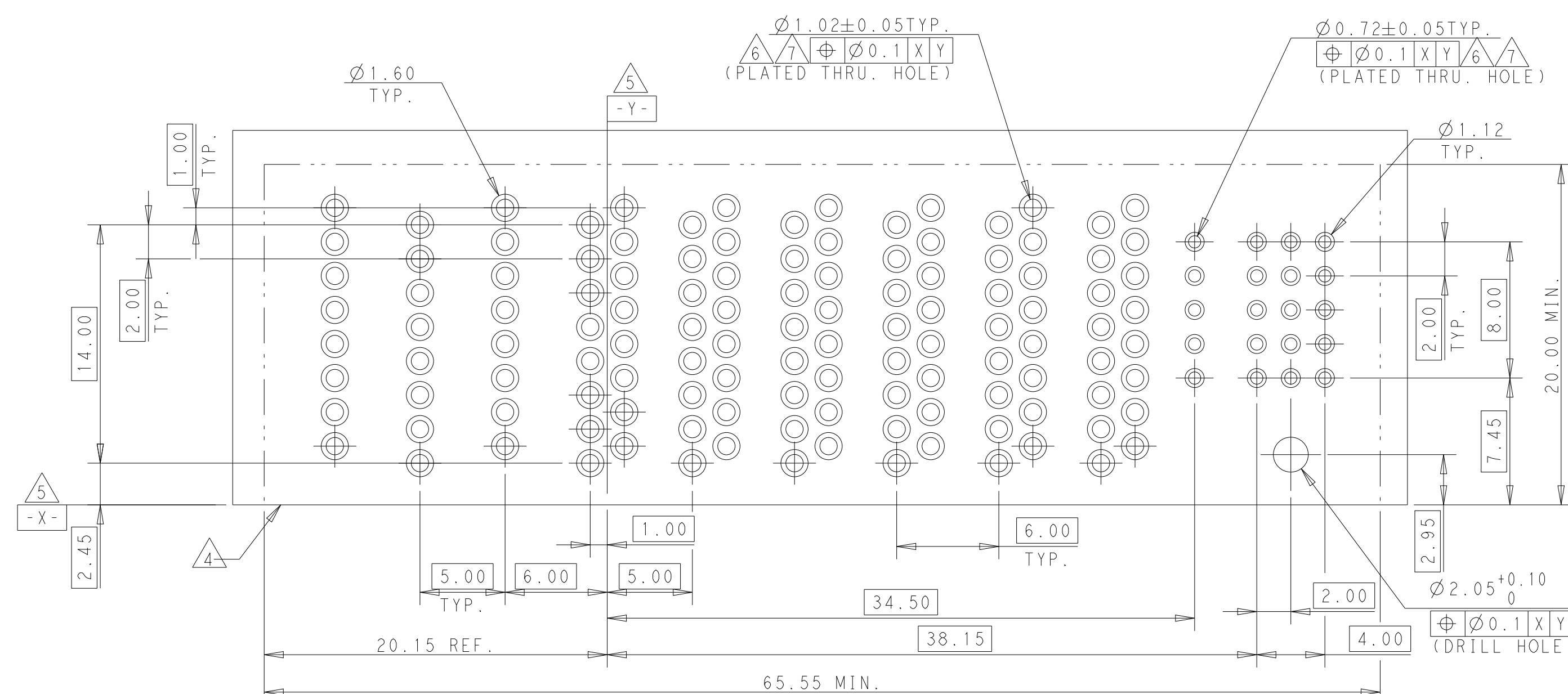
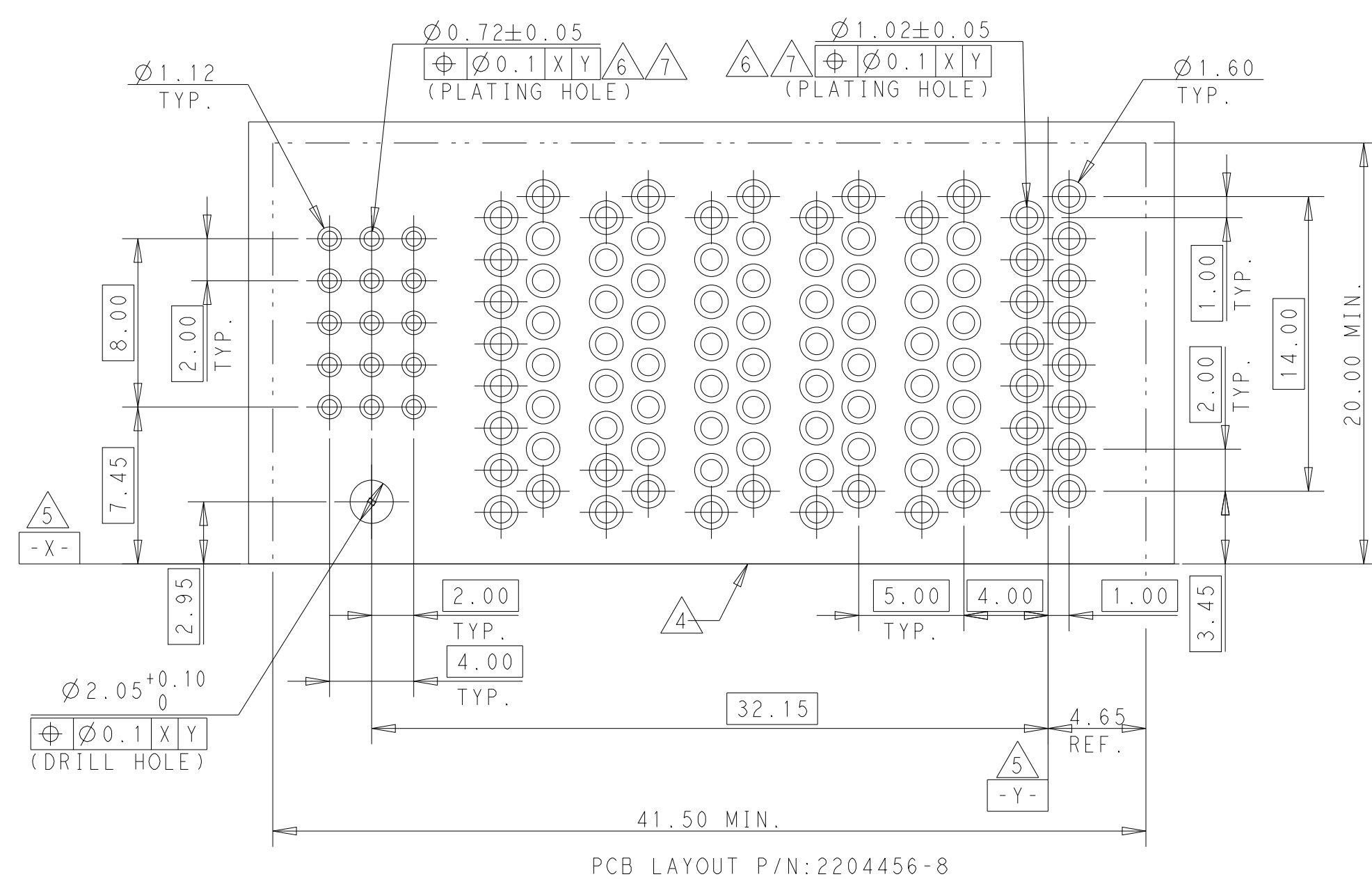


LEFT MIDDLE POWER CONTACT SOLDER TYPE	MK1
RIGHT MIDDLE POWER CONTACT SOLDER TYPE	MK2
POWER CONTACT SOLDER TYPE	PK
TOP LOW POWER CONTACT	LK1
BOTTOM LOW POWER CONTACT	LK2
I/M SIGNAL CONTACT STANDARD SOLDER EXTEND UM-MATING	VY1
I/M SIGNAL CONTACT MLB F SOLDER EXTEND UM-MATING	VY2
I/M SIGNAL CONTACT STANDARD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

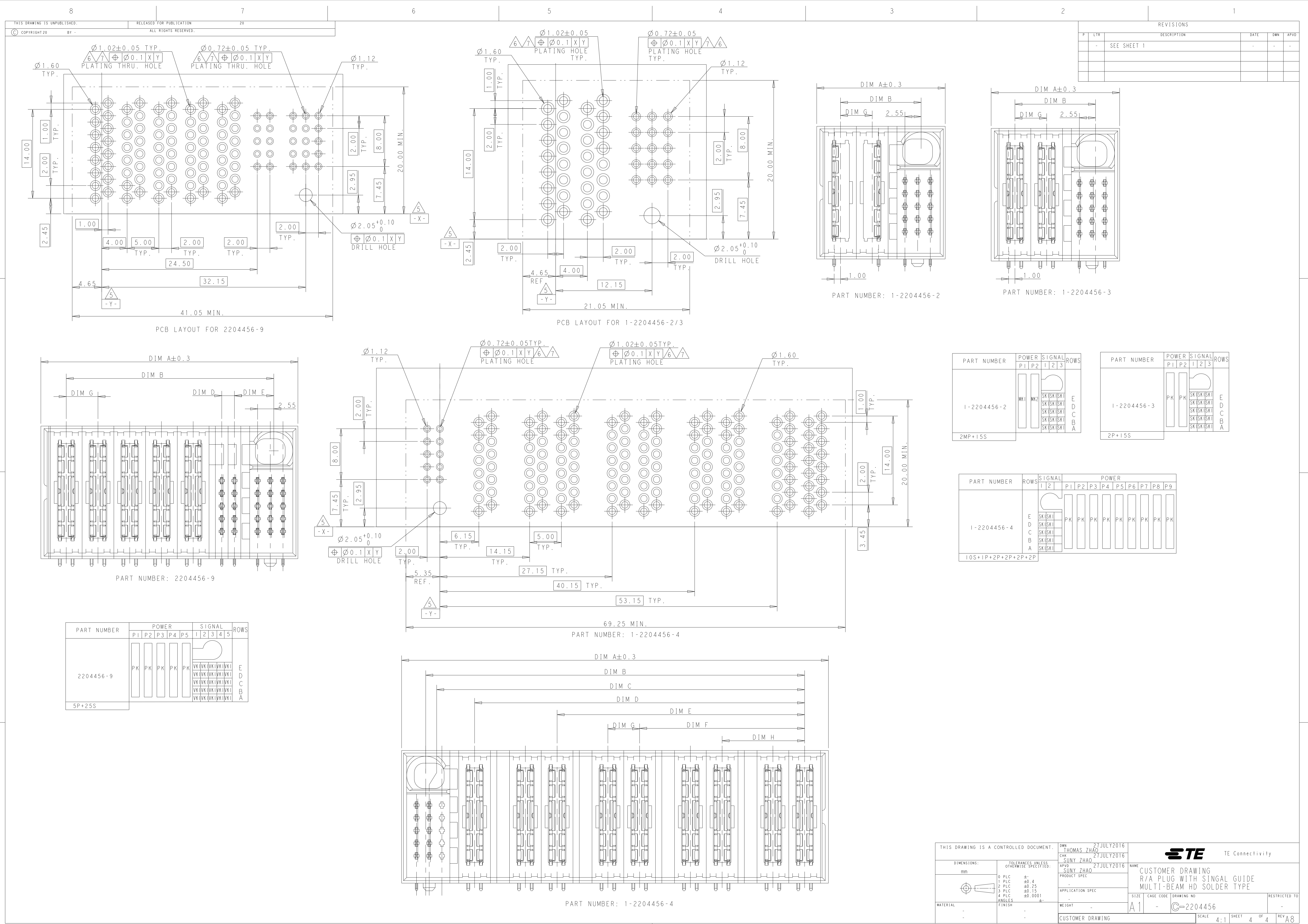
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN THOMAS ZHAO	27JULY2016	 TE Connectivity	
DIMENSIONS:		CHK SUNY ZHAO	27JULY2016		
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME CUSTOMER DRAWING R/A PLUG WITH SINGAL GUIDE MULTI-BEAM HD SOLDER TYPE	
		0 PLC	±.4		
		1 PLC	±0.4		
		2 PLC	±0.25		
		3 PLC	±0.15		
		4 PLC	±0.0001		
		ANGLES	±.1		
		FINISH			
		MATERIAL			
		WEIGHT			
		CUSTOMER DRAWING			
		SIZE	CAGE CODE		DRAWING NO
A1	-	C=2204456			
SCALE	3:1	SHEET	2 OF 4	REV	A8



PART NUMBER	ROWS	SIGNAL			POWER					
		I	Z	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										



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN THOMAS ZHAO 27JULY2016		 TE Connectivity	
DIMENSIONS:		CNC SUNY ZHAO 27JULY2016			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APRD SUNY ZHAO 27JULY2016		NAME CUSTOMER DRAWING R/A PLUG WITH SINGAL GUIDE MULTI-BEAM HD SOLDER TYPE	
mm		PRODUCT SPEC			
		APPLICATION SPEC		SIZE	
MATERIAL		FINISH		CAGE CODE	
-		-		DRAWING NO	
-		-		RESTRICTED TO	
-		WEIGHT		A1	
-		CUSTOMER DRAWING		C=2204456	
-		SCALE		4:1	
-		SHEET		3 of 4	
-		REV		A	



Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[2204456-3](#)