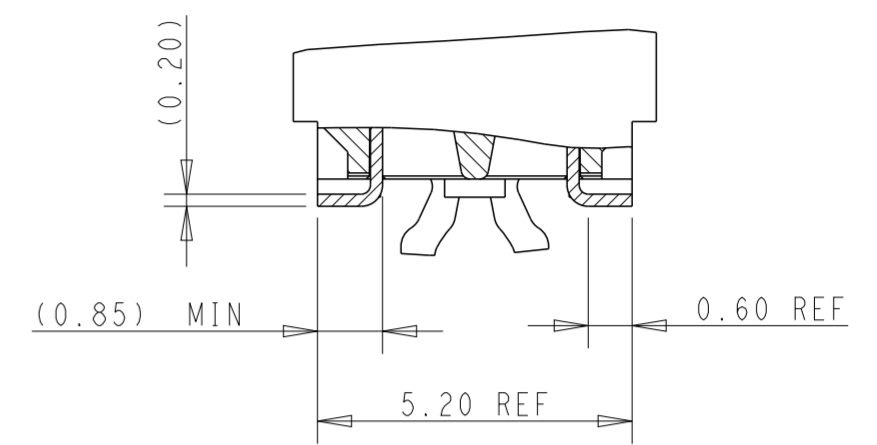
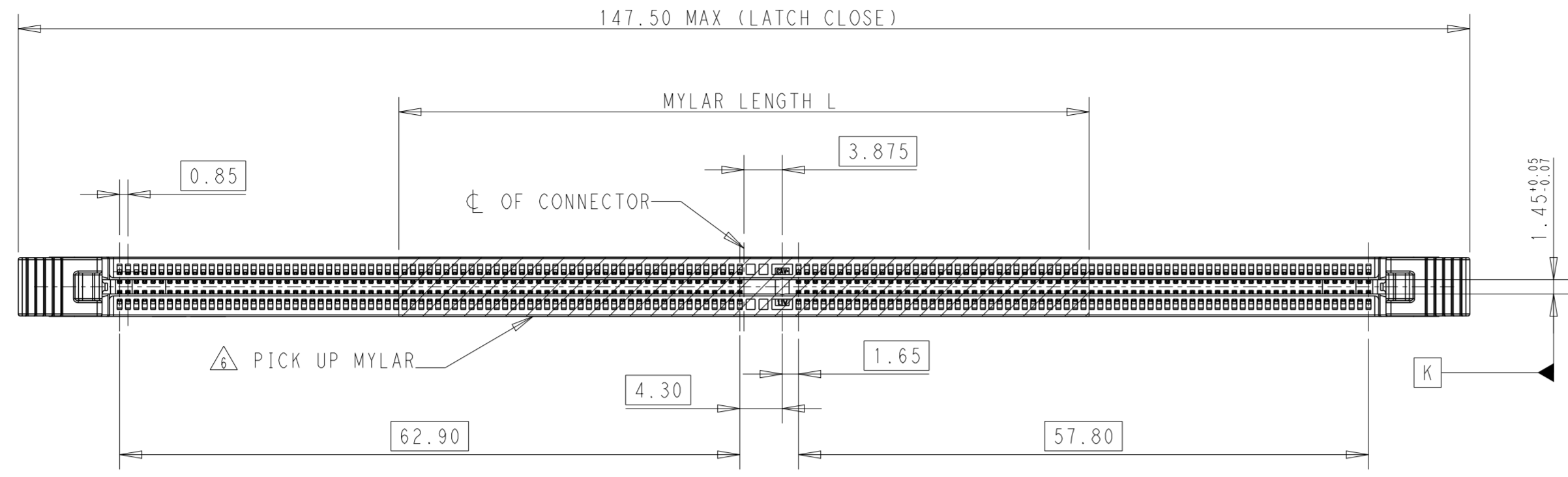
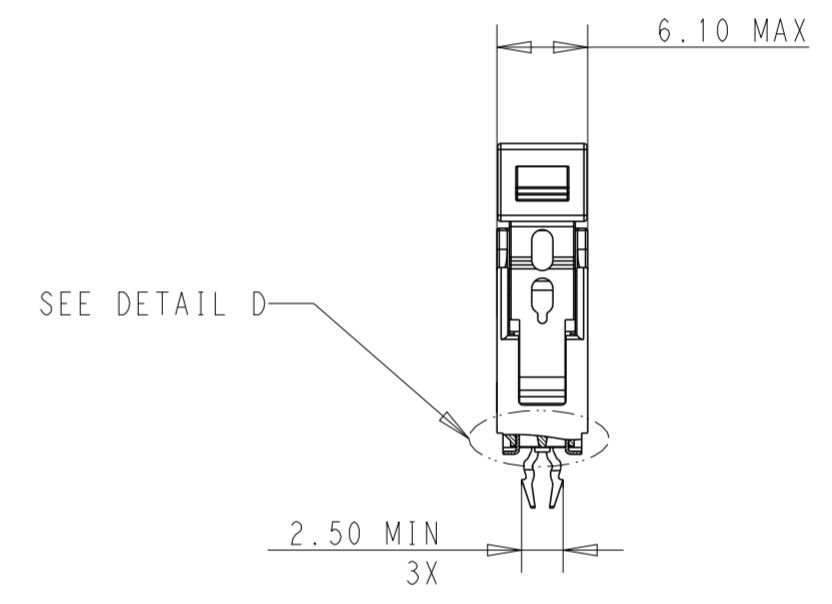
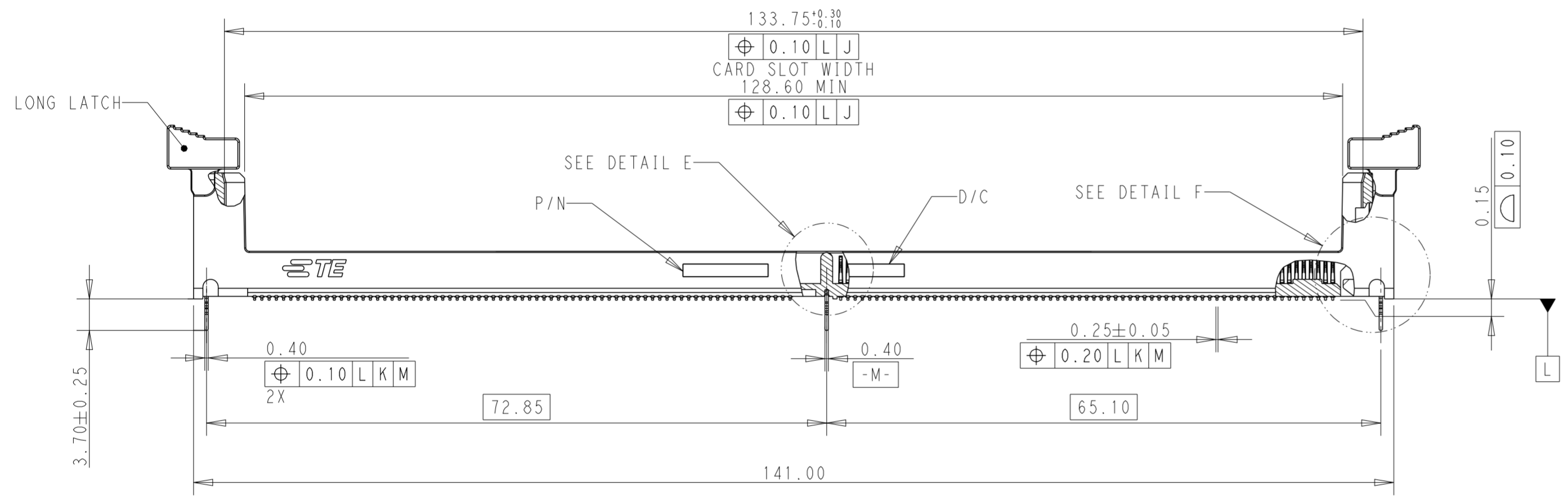


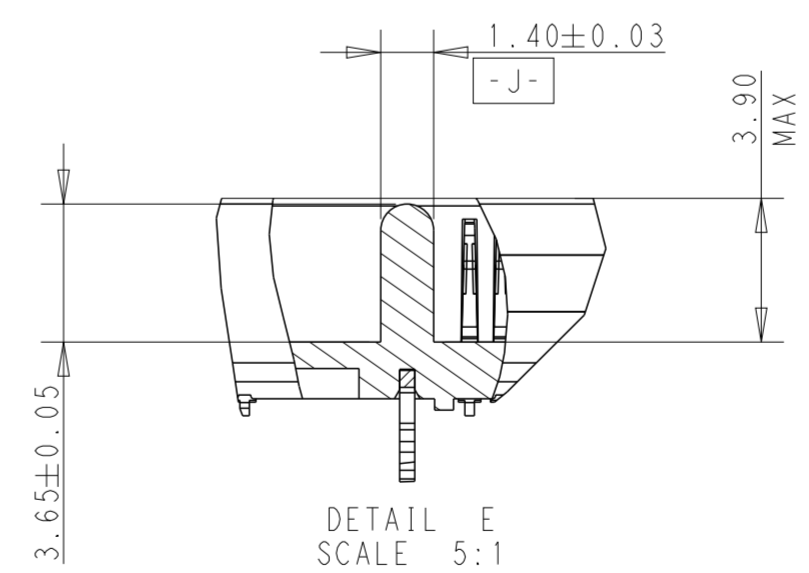
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
A		RELEASE TO PRODUCTION	23AUG2022	SS
A1		ECR-22-150324	24AUG2022	SS
A2		ECR-23-187147	15SEP2023	AD HL
A3		ECR-25-250376	17JUL2025	RW KM



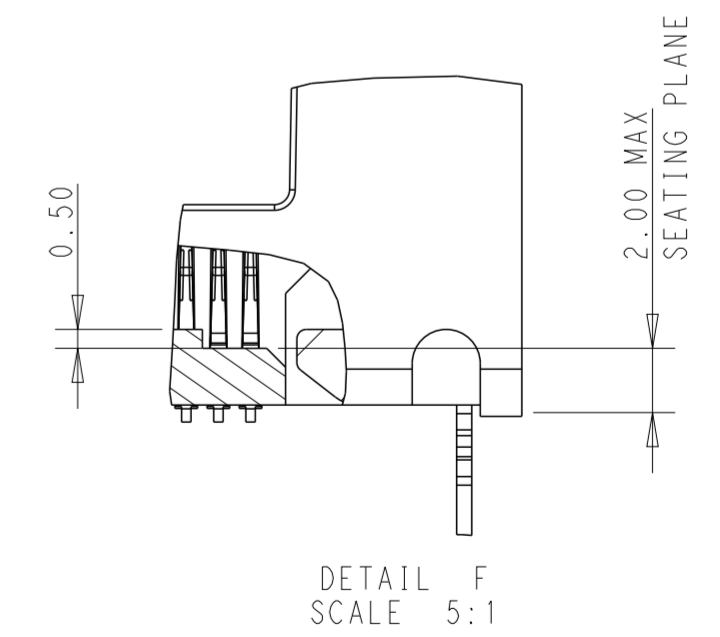
DETAIL D  
SCALE 8:1



- MATERIALS:  
 HOUSING: HIGHT TEMPERATURE NYLON, UL 94-V0,HF;  
 LATCHES: HIGHT TEMPERATURE NYLON, UL 94-V0,HF;  
 CONTACTS: COPPER ALLOY;  
 HOLD DOWN: STAINLESS STEEL.
  - INTERFACE FINISH:  
 (1) 0.00076 (30u") MIN THICK GOLD OVER 0.00127 (50u") MIN THICK NICKEL.  
 (2) 0.00038 (15u") MIN THICK GOLD OVER 0.00127 (50u") MIN THICK NICKEL.
  - SOLDERTAIL FINISH:  
 0.00300 (120u") MIN THICK MATTE TIN OVER 0.00127 (50u") MIN THICK NICKEL.
  - HOLD DOWN FINISH:  
 TAB: 0.00300 (120u") MIN THICK MATTE TIN OVER 0.00127 (50u") MIN THICK NICKEL.
  - KEEP OUT AREA RESERVED FOR SOCKET LATCHES AT BOTH ENDS.
- △ MYLAR WITH SIZE L X 6 IS LOCATED IN THE CENTER OF CONNECTOR.



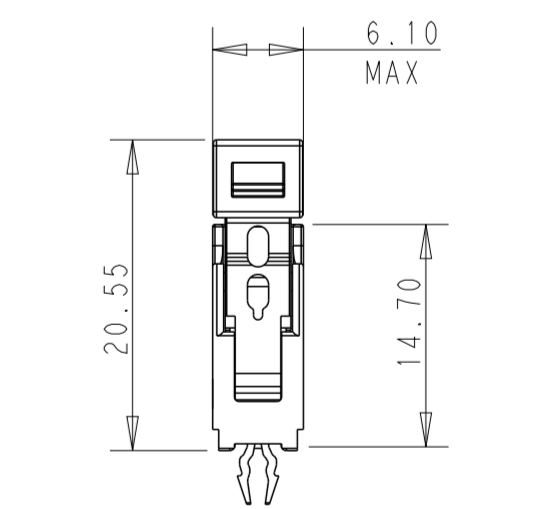
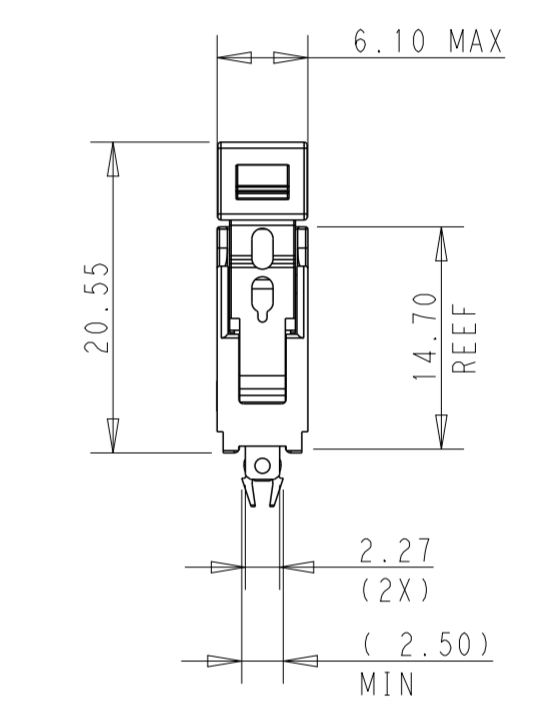
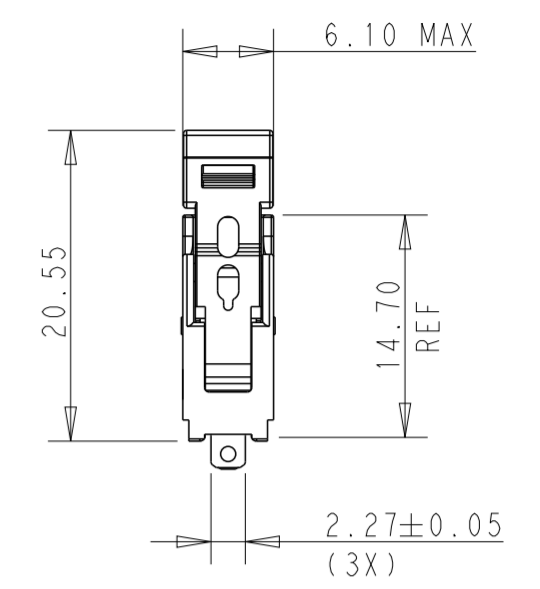
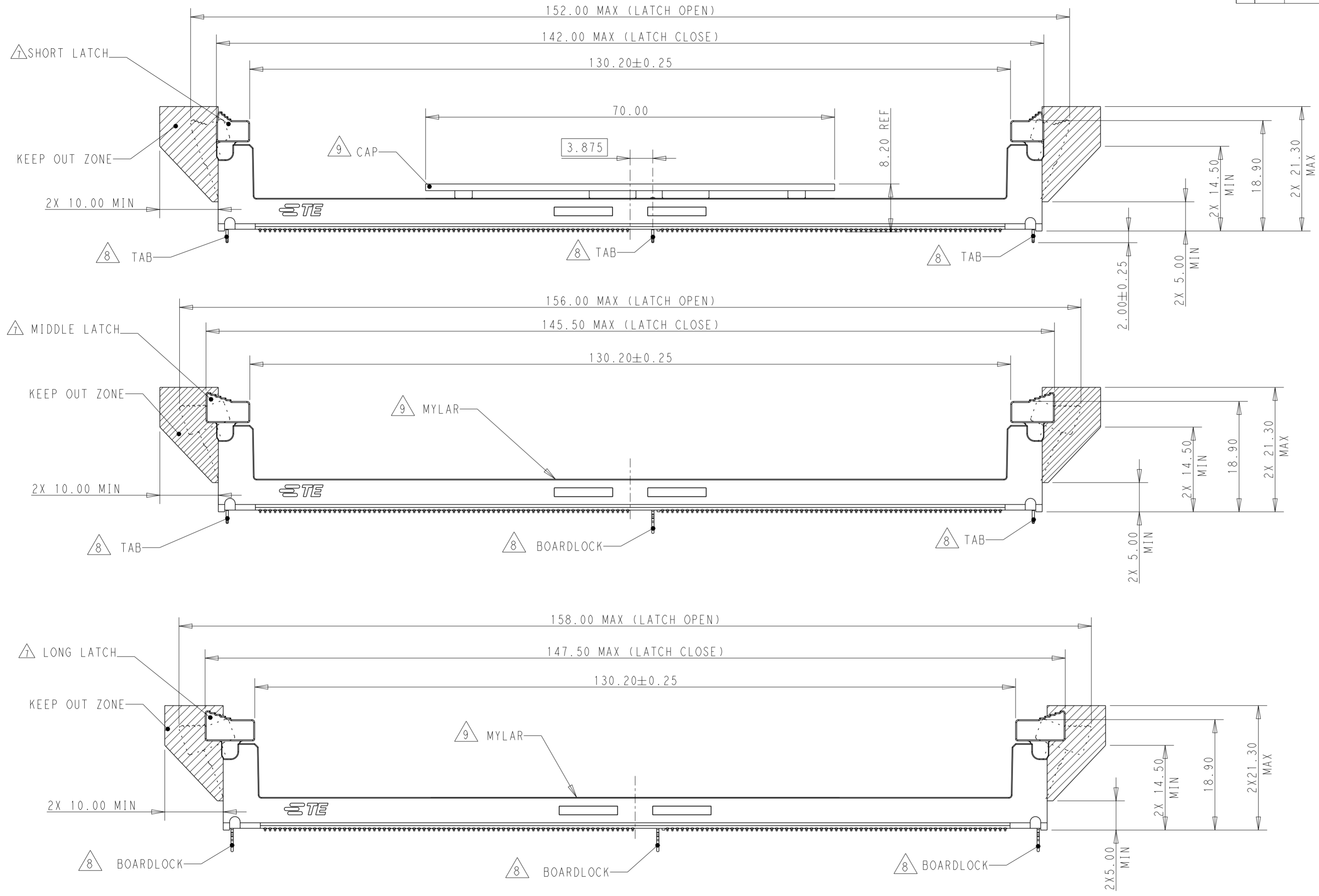
DETAIL E  
SCALE 5:1



DETAIL F  
SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DAVID ZHAO 22APR2019	TE Connectivity	
DIMENSIONS: mm		CHK -		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD -	NAME SOCKET ASSEMBLY	
0 PLC ±	1 PLC ±0.25	PRODUCT SPEC 108-115141	DDR5 DIMM, SMT TYPE	
2 PLC ±0.15	3 PLC ±0.10	APPLICATION SPEC 114-115044	0.85MM PITCH, 288 POSITION	
4 PLC ±	ANGLES ±2°	WEIGHT -	SIZE A2	CAGE CODE 00779
MATERIAL -	FINISH -	CUSTOMER DRAWING	DRAWING NO C-2355626	RESTRICTED TO -
SCALE 1:1			SHEET 1 OF 6	REV A3

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
		SEE SHEET 1		



- △ SHORT, LONG, MIDDLE LATCH ARE OPTIONAL FOR DIFFERENT KEEPOUT APPLICATION.
- ⊠ BOARDLOCK AND TAB ARE OPTIONAL FOR DIFFERENT APPLICATION.
- △ MYLAR AND CAP ARE OPTIONAL FOR DIFFERENT APPLICATION.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DAVID ZHAO 22APR2019	TE Connectivity	
DIMENSIONS: mm		CHK -		
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1 PLC	±0.15	108-115141	0.85MM PITCH, 288 POSITION	
2 PLC	±0.10	APPLICATION SPEC	SIZE	CAGE CODE
3 PLC	±0.10	114-115044	A2	00779
4 PLC	±0.10	WEIGHT	DRAWING NO	RESTRICTED TO
ANGLES	±2°	CUSTOMER DRAWING	G-2355626	-
FINISH	-	SCALE	1:1	SHEET
			2	OF 6
				REV A3

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
		SEE SHEET 1		

# DDR5 DIMM NAMING RULE

X - XXXXXXXX - X

LATCH TYPE&PICKUP TYPE

- VOID: LONG LATCH & MYLAR 1
- 1: SHORT LATCH & MYLAR 1
- 2. MIDDLE LATCH & MYLAR 1
- 3: LONG LATCH & CAP
- 4: SHORT LATCH & CAP
- 5: MIDDLE LATCH & CAP
- 6: LONG LATCH W/O MYLAR & CAP
- 7: SHORT LATCH W/O MYLAR & CAP
- 8: MIDDLE LATCH W/O MYLAR & CAP
- 9: MIDDLE LATCH & MYLAR 2

XXXXXXX			
MANUFACTURE	LOCATION	HOUSING&LATCH COLOR	
QD <sup>10</sup>	PHI <sup>11</sup>	HOUSING	LATCH
2355626	2474387	BLACK	BLACK
2355627	-	BLACK	NATURAL
2355628	-	BLACK	YELLOW
2355629	-	BLACK	BLUE
2355630	-	BLACK	GREEN
2355631	-	NATURAL	BLACK
2355632	2474391	NATURAL	NATURAL
2355633	-	NATURAL	YELLOW
2355634	-	NATURAL	BLUE
2355635	-	NATURAL	GREEN
2355636	-	YELLOW	BLACK
2355637	-	YELLOW	NATURAL
2355638	-	YELLOW	YELLOW
2355639	-	YELLOW	BLUE
2355640	-	YELLOW	GREEN
2355641	-	BLUE	BLACK
2355642	-	BLUE	NATURAL
2355643	-	BLUE	YELLOW
2355644	-	BLUE	BLUE
2355645	-	BLUE	GREEN
2355646	-	GREEN	BLACK
2355647	-	GREEN	NATURAL
2355648	-	GREEN	YELLOW
2355649	-	GREEN	BLUE
2355650	-	GREEN	GREEN

GOLD PLATING&HOLDDOWN TYPE

- 1: 30u"&3 TAB
- 2: 30u"&3 BOARDLOCK
- 3. 30u"&2 SIDETAB+1 BOARDLOCK
- 4: 15u"&3 TAB
- 5: 15u"& 3 BOARDLOCK
- 6: 15u"&2 SIDETAB+1 BOARDLOCK

# DDR5 DIMM SPEC CHARACTERISTICS (MORE SPEC,CHECK TE 108-115141)

## 1.MECHANICAL CHARACTERISTICS

- 1.1 INSERTION FORCE OF MODULE TO CONNENTOR: 106.8N MAX.
- 1.2 UNMATING FORCE: 19.77N MIN.
- 1.3 DURABILITY: PERFORM 25 CYCLES MATING AND UNMATING.
- 1.4 INSERTION FORCE OF CONNECTOR TO PCB: 35N MAX.

## 2.ELECTRICAL CHARACTERISTICS

- 1.1 WITHSTANDING VOLTAGE: 500VAC PER EIA-364-20,CONDITION I.
- 1.2 INSULATION RESISTANCE: 1M OHMS MIN PER EIA-364-21,500VDC.
- 1.3 CURRENT CARRYING CAPABILITY AT 30°C TEMPERATURE: 1A MAX.
- 1.4 CONTACT RESISTANCE(LLCR):  
INITIAL: 20 MILLIOHMS MAX,  
FINAL: THE CHANGE IN LLCR BETWEEN THE READING AFTER STRESS AND THE INITIAL READING SHALL NOT EXCEED 20 MILLIOHMS.

## 3.ENVIRONMENTAL CHARACTERISTICS

- 1.1 TEMPERATURE LIFE: 105°C,120H PER EIA-364-17,METHOD A.
- 1.2 MECHANICAL SHOCK: 50G,11MILLISECONDS,3 DROPS IN EACH OF 6 DIRECTIONS PER EIA-364-27.
- 1.3 VIBRATION: 10 MINUTES PER DIRECTION FOR ALL 3 DIRECTIONS PER EIA-364-28, PROFILE SEE TE 108-115141.
- 1.4 THERMAL SHOCK: -55°C TO 85°C,5 CYCLES IN MATED CONDITION PER EIA-364-32,METHOD A,CONDITOIN I.
- 1.5 CYCLIC TEMPERATUREHUMILITY: 24 CYCLES BETWEEN 25°C AT 80% RH AND 65°C AT 50% RH PER EIA-364-31,METHOD III.
- 1.6 THERMAL CYCLING: 500 CYCLES IN MATED CONDITION BETWEEN 15°C AND 85°C.
- 1.7 MIXED FLOWING GAS:  
FOR 15U"AU TYPE, 168H MIN TESTING PER EIA-364-65,CLASS IIA.  
FOR 30U"AU TYPE, 240H MIN TESTING PER EIA-364-65,CLASS IIA.


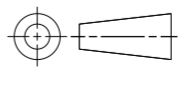
## 4.REFLOW PROCESS CHARACTERISTICS

- MOISTURE SENSITIVITY LEVEL OF PLASTIC MATERIALL IS LEVEL 1,
- COULD WITHSTAND 260°C,10S LEAD FREE PROCESS ABILITY.
- RECOMMENDED REFLOW PROFILE IS IN TE 108-115141.

NOTE:  
MYLAR 1 LENGTH: L=70.0 ±1.0  
MYLAR 2 LENGTH: L=128.0 ±1.0

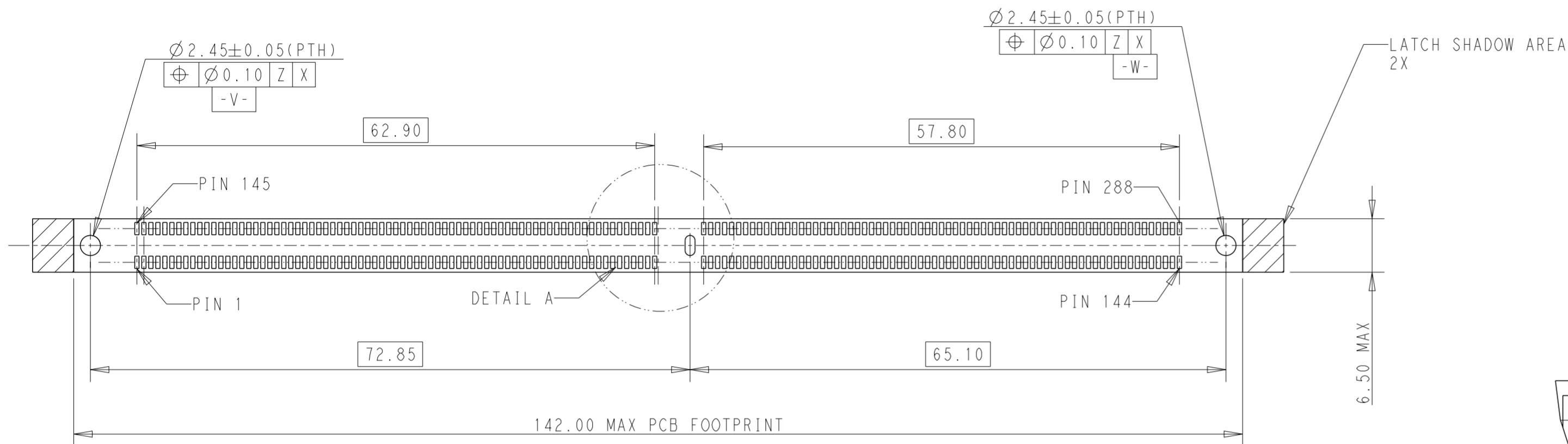
<sup>10</sup>PARTS TO BE MANUFACTURED AT QINGDAO PLANT;

<sup>11</sup>PARTS TO BE MANUFACTURED AT PHILIPPINES PLANT;

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN DAVID ZHAO 22APR2019	 TE Connectivity	
DIMENSIONS: mm		CHK -		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-115141	NAME SOCKET ASSEMBLY DDR5 DIMM, SMT TYPE 0.85MM PITCH, 288 POSITION	
		APPLICATION SPEC 114-115044	SIZE A2	CAGE CODE 00779
MATERIAL	FINISH	WEIGHT	DRAWING NO C-2355626	RESTRICTED TO -
CUSTOMER DRAWING		SCALE 1:1	SHEET 3 OF 6	REV A3

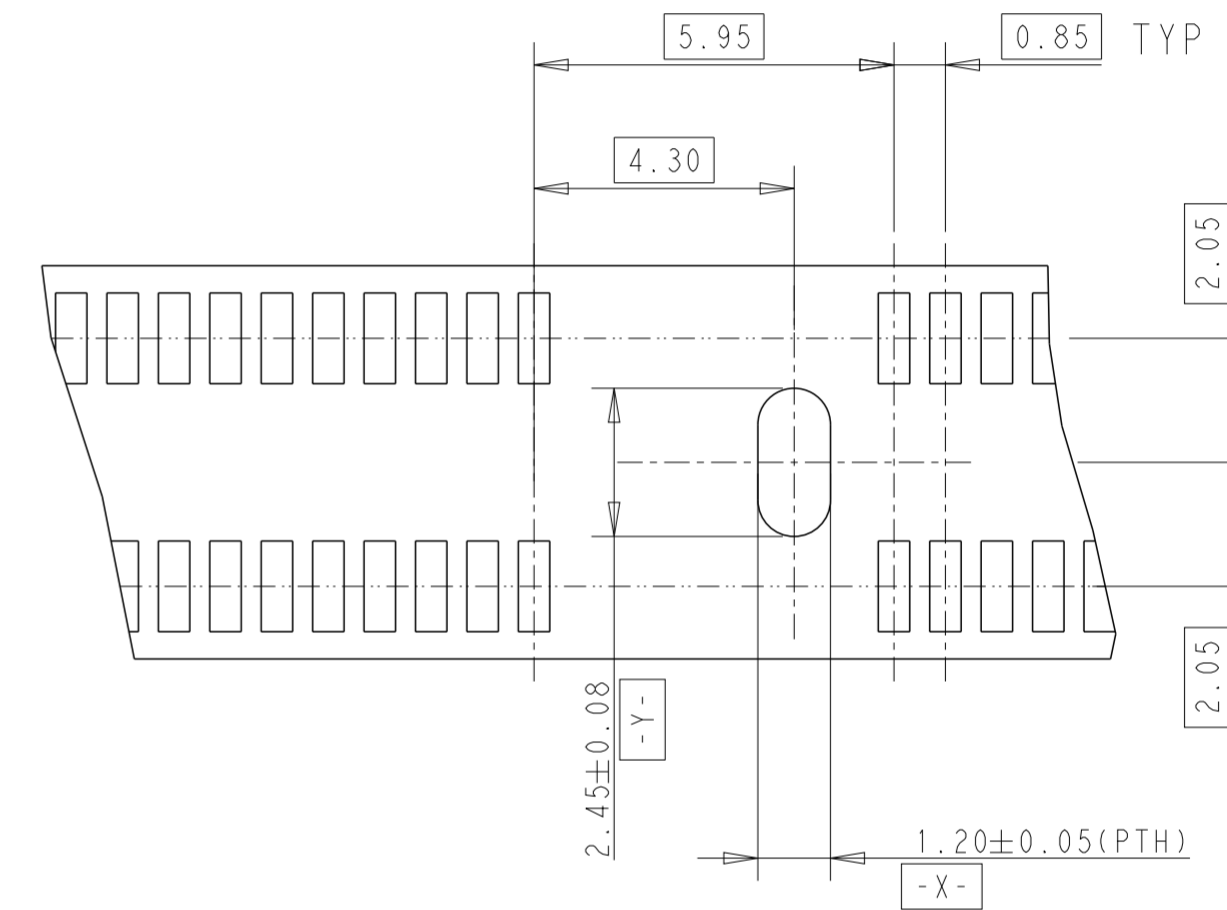
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
		SEE SHEET 1		

1 DATUM Z IS THE TOP SIZE OF PCB.  
 2 HOLD DOWN HOLE SHOULD BE PLATED THROUGH HOLE.

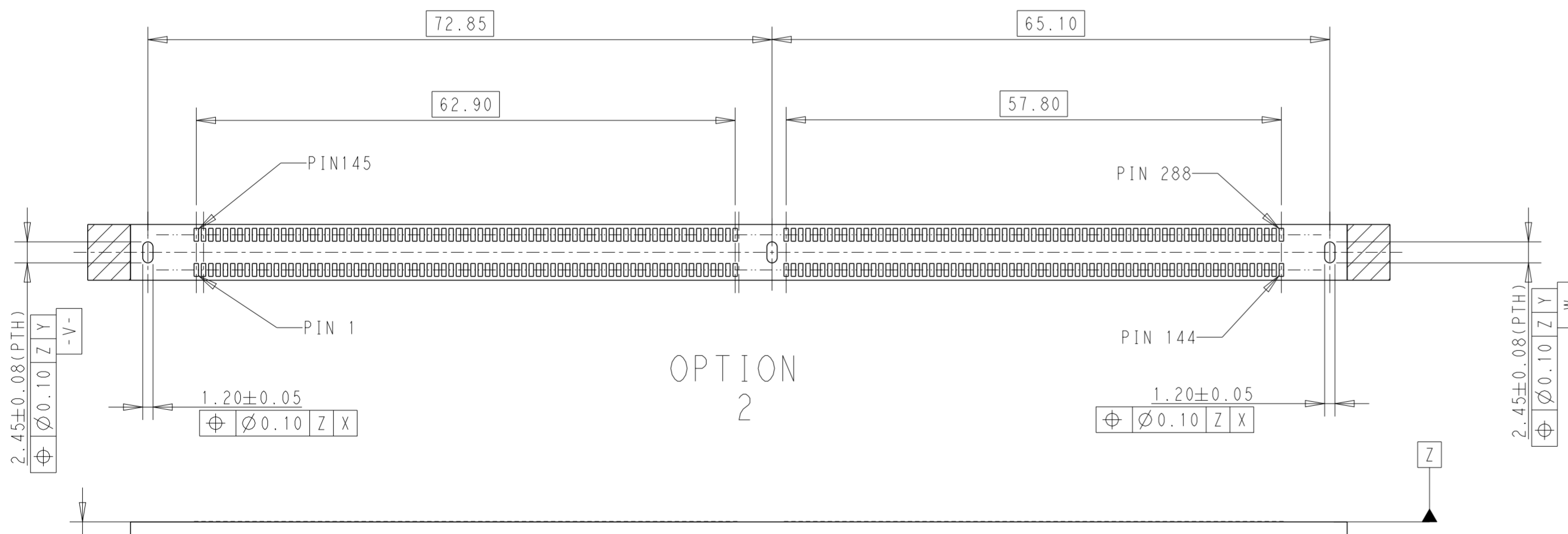


FOR SHORT LATCH, X IS 152MM MAX;  
 FOR MIDDLE LATCH, X IS 156MM MAX;  
 FOR LONG LATCH, X IS 162MM MAX;

OPTION 1



DETAIL A  
 SCALE 8:1



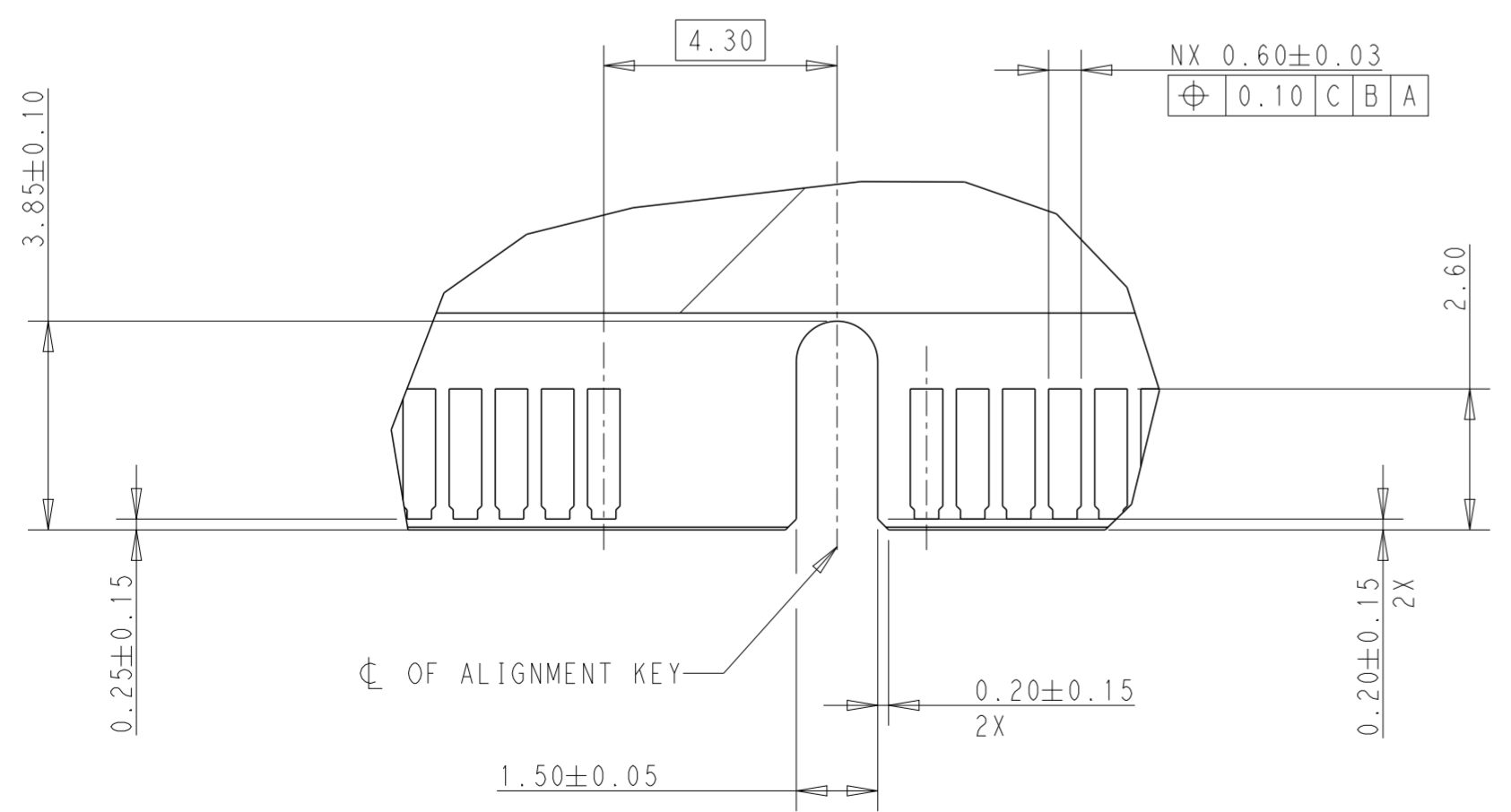
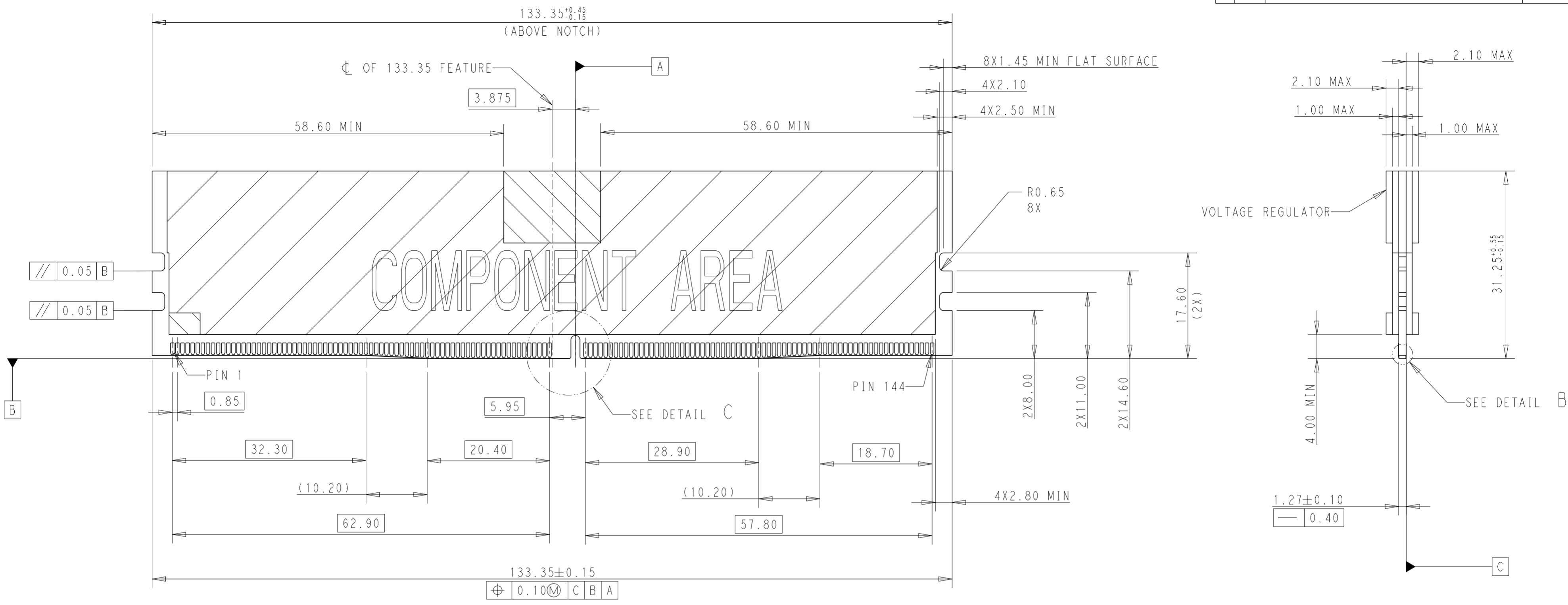
OPTION 2

RECOMMENDED PCB LAYOUT  
 VIEWED FROM CONNECTOR SIDE

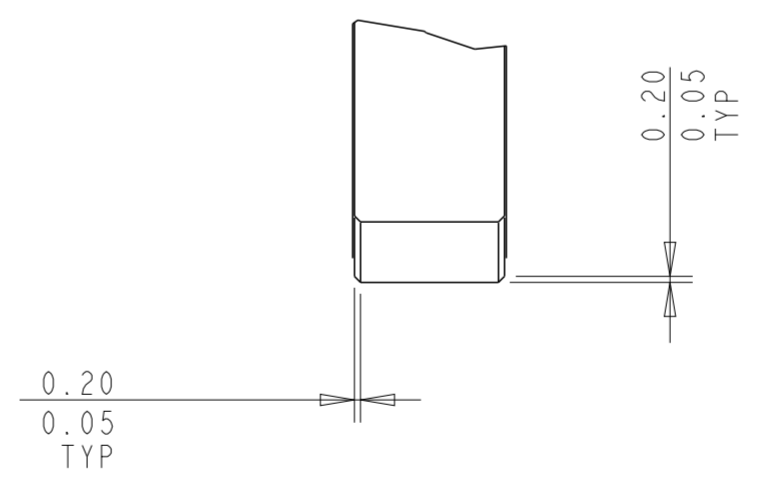
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2 PLC ±0.15	3 PLC ±0.10	APPLICATION SPEC 114-115044	0.85MM PITCH, 288 POSITION	
4 PLC ±	ANGLES ±2°	WEIGHT -	SIZE A2	CAGE CODE 00779
MATERIAL -	FINISH -	CUSTOMER DRAWING	DRAWING NO C-2355626	RESTRICTED TO -
			SCALE 1:1	SHEET 4 OF 6
				REV A3

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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
		SEE SHEET 1		



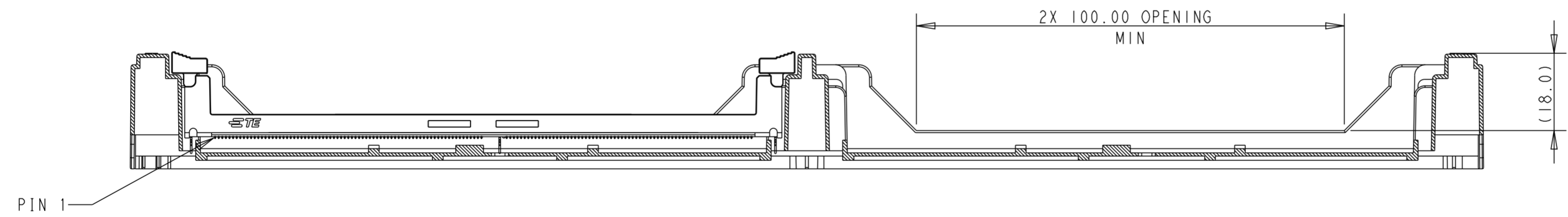
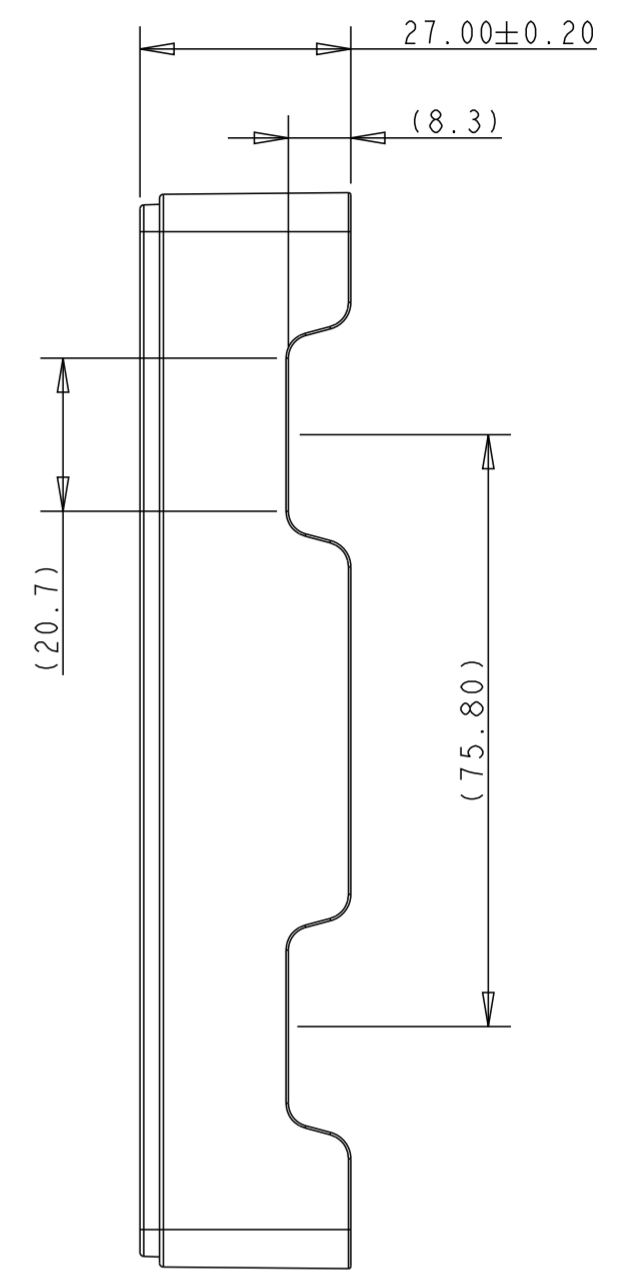
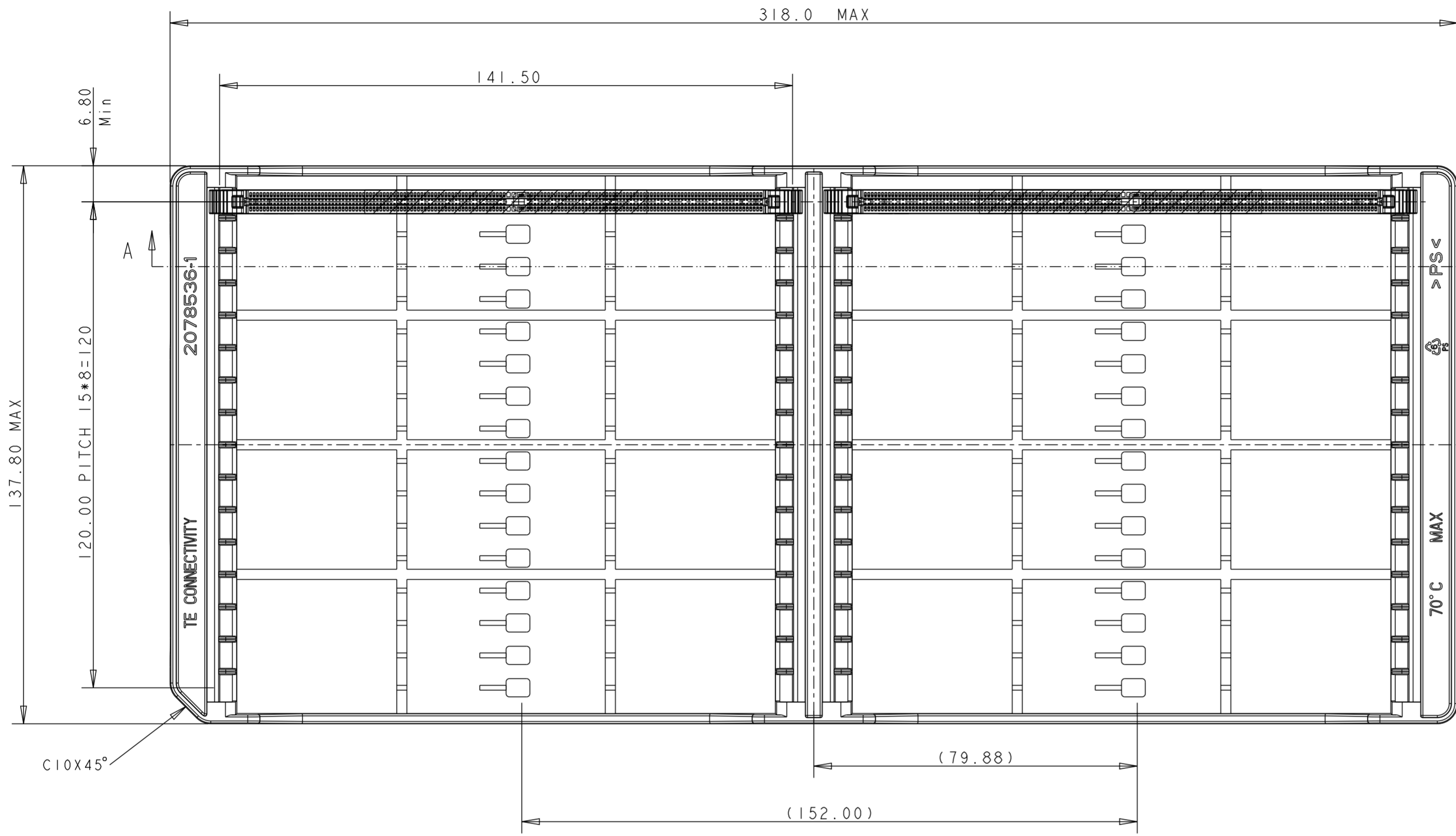
DETAIL C  
SCALE 8:1



DETAIL B  
SCALE 16:1

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DIMENSIONS: mm		CHK -		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-115141	NAME SOCKET ASSEMBLY DDR5 DIMM, SMT TYPE 0.85MM PITCH, 288 POSITION	
0 PLC ±	1 PLC ±0.25	APPLICATION SPEC 114-115044	SIZE A2	CAGE CODE 00779
2 PLC ±0.15	3 PLC ±0.10	WEIGHT -	DRAWING NO C-2355626	RESTRICTED TO -
4 PLC ±	ANGLES ±2°	CUSTOMER DRAWING	SCALE 1:1	SHEET 5 OF 6
FINISH -	-			REV A3

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
		SEE SHEET 1		



SECTION A-A

- NOTES:
- MATERIALS :  
TRAY: HIPS, COLOR: BLACK  
BOX: CORRUGATED FIBERBOARD
  - DIMENSIONS:  
BOX: L=410;W=383;H=340
  - QUANTITY:  
32 PCS/TRAY  
640 PCS/BOX
  - WEIGHT:  
GROSS WEIGHT: 7.5KG

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1 PLC ±0.25		APPLICATION SPEC 114-115044	DRAWING NO C-2355626	RESTRICTED TO -
2 PLC ±0.15		WEIGHT -	SCALE 1:1	SHEET 6 OF 6
3 PLC ±0.10		CUSTOMER DRAWING	REV A3	
4 PLC ±				
ANGLES ±2°				
FINISH				