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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
A		A REVISION RELEASE	7JUNE2022	SY HL
B		UPDATE HARD TRAY IN SHEET5	24NOV2022	MC HL

Top view of the connector showing dimensions:  $B \pm 0.23$ ,  $A \text{ REF}$ ,  $11.65 \text{ REF}$ , and  $14.50 \text{ REF}$ . Pin locations are labeled: PIN B "N+12", PIN B1, PIN A1, and PIN A "N+12". A KEY  $\phi$  is also indicated.

NOTES:

1 MATERIAL:  
 HOUSING: HIGH-TEMP PLASTIC; BLACK, UL 94V-0  
 CONTACT: COPPER ALLOY  
 SOLDER TAB: STAINLESS STEEL

2 FINISH:  
 (SEE TABLE)  $\mu\text{m}$  GOLD PLATING OR GOLD FLASH OVER PdNi ON CONTACT AREA.  
 2.54  $\mu\text{m}$  MATTE-TIN PLATING ON SOLDER TAIL AREA.  
 1.27  $\mu\text{m}$  NICKEL UNDERPLATING OVERALL.

3 PART NUMBER AND DC PRINTED IN APPROPRIATE AREA OR OPPOSITE.

4 SUCH CORE AVOIDS PER MANUFACTURER'S CONVENIENCE

Front view of the connector showing dimensions:  $0.15$ ,  $N$ ,  $1.35 \text{ REF}$ ,  $C$ ,  $1.00$ ,  $1.65 \text{ REF}$ ,  $10.00$ , and  $13.67$ . A KEY  $\phi$  and section line X-X are shown. The STE logo is present on the housing.

Side view of the connector showing dimensions:  $7.5 \text{ MAX}$ ,  $11.25 \text{ MAX}$ , and  $1.90$ . A detail shows a solder tail with a diameter of  $0.10$ . The text "ALL SOLDER TAILS" is present.

SECTION X-X showing detailed dimensions:  $5.10 \pm 0.15$ ,  $3.75 \text{ MAX}$ ,  $\phi \text{ OF } 7.5$ ,  $4.40 \pm 0.20$ ,  $3.40 \pm 0.15$ ,  $8.20 \pm 0.20$ ,  $0.80 \pm 0.15$ , and  $4.05 \pm 0.15$ . The text "ACCEPTED 1.57 PCB" is also shown.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SANDERS YAN 19AUG2020	<b>STE</b> TE Connectivity	
		CHK MIKE CHEN 19AUG2020		
DIMENSIONS: mm		APVD HOPE LU 19AUG2020	NAME PCI EXPRESS CARD EDGE CONNECTOR GEN5, 1.9 SOLDER TAB	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 108-160247	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
0 PLC $\pm$		APPLICATION SPEC -	A200779 C-2378762	
1 PLC $\pm 0.3$		WEIGHT -	SCALE 6:1 SHEET 1 OF 6 REV B	
2 PLC $\pm 0.20$		CUSTOMER DRAWING		
3 PLC $\pm 0.050$				
4 PLC $\pm$				
ANGLES $\pm$				
FINISH				

1471-9 (3/13)

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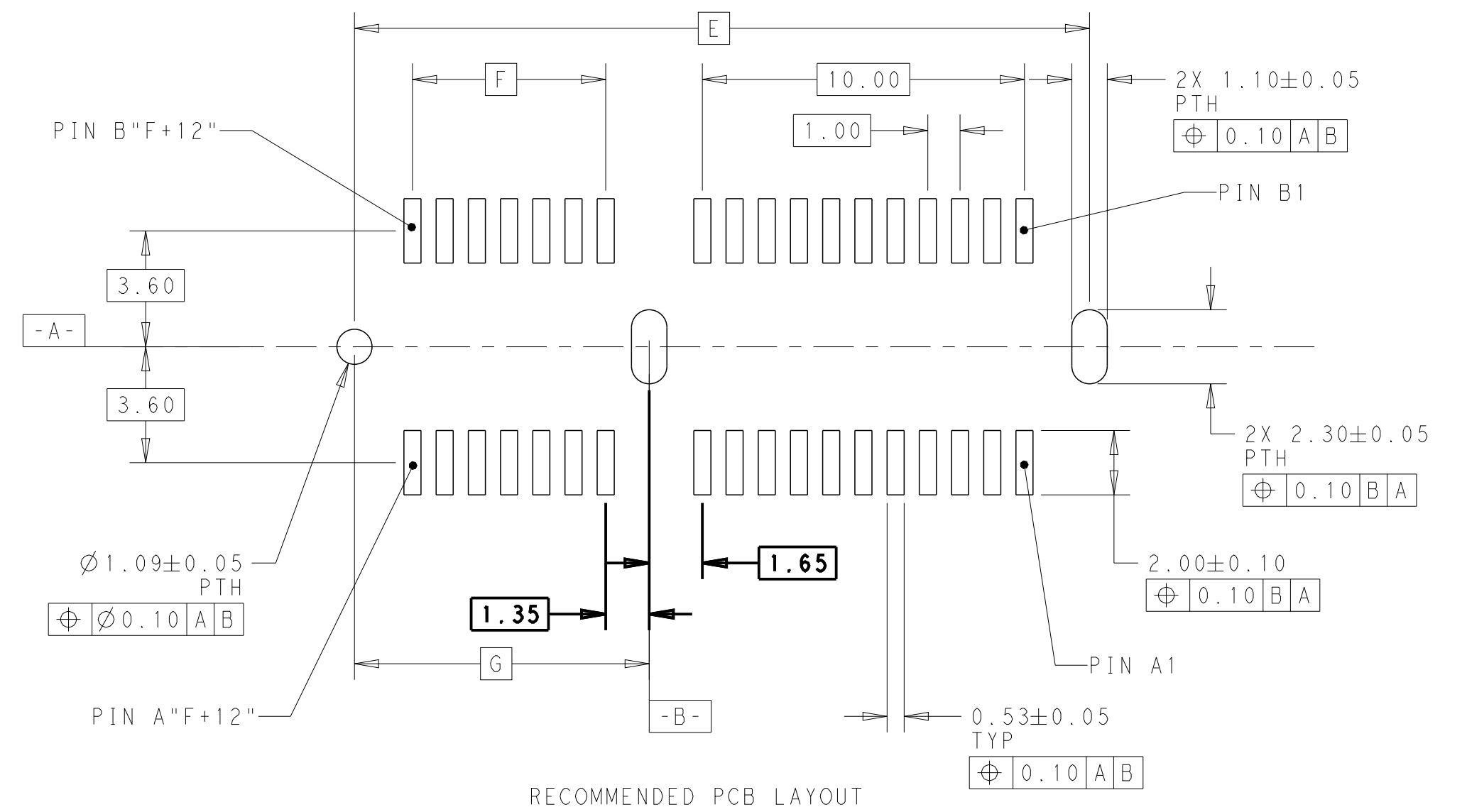
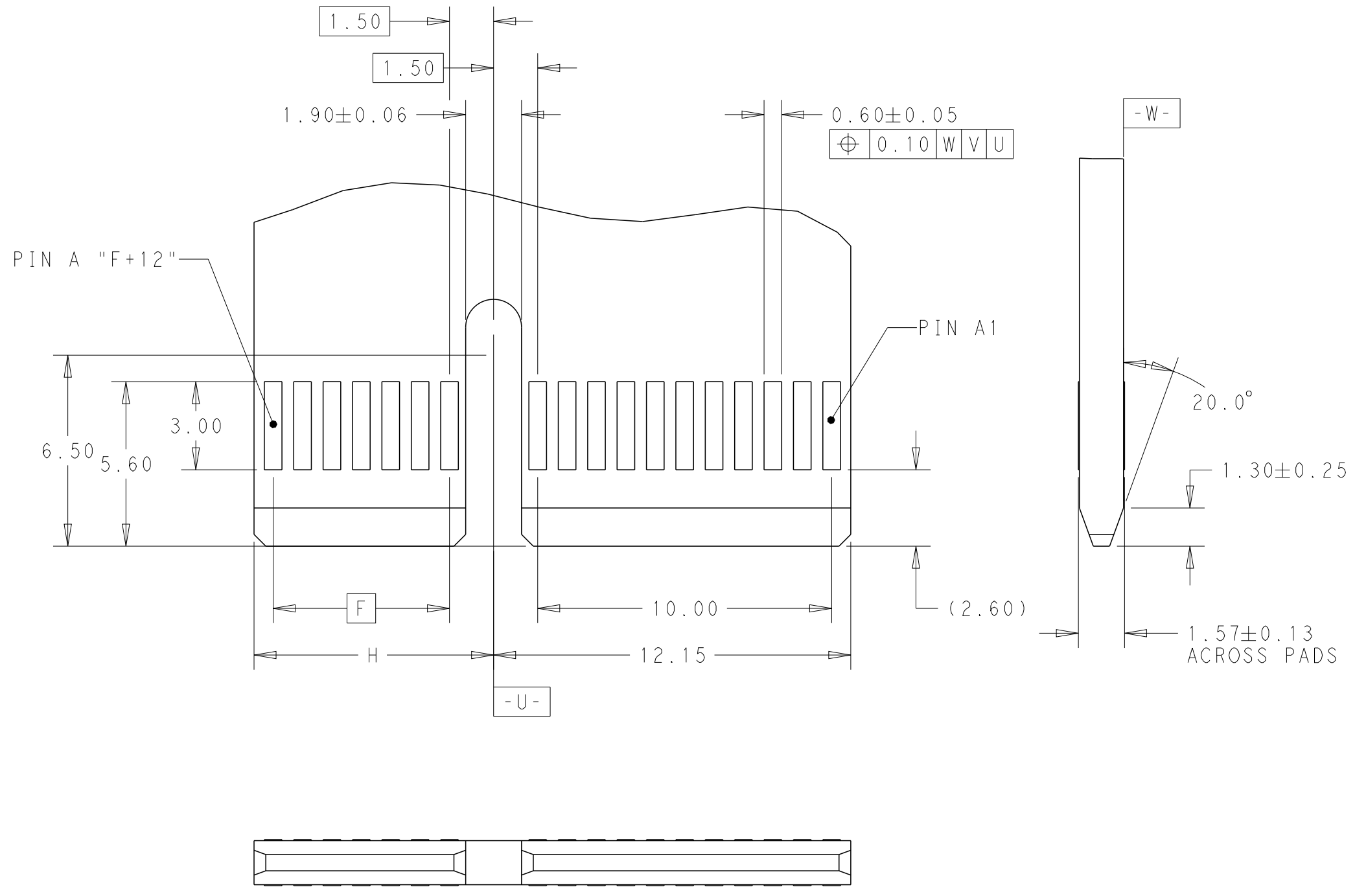
REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
-		SEE SHEET 1	-	-

30u"	45.0	8	44.5	70	73.15	89	71.65	164	7-2378762-4
30u"	86.5	8	44.5	70	73.15	89	71.65	164	5-2378762-8
30u"	53.5	8	28	37	40.15	56	38.65	98	5-2378762-7
30u"	36.5	8	19.5	20	23.15	39	21.65	64	5-2378762-6
30u"	22.5	8	12.5	6	9.15	25	7.65	36	5-2378762-5
30u"	10.0	8	44.5	70	73.15	89	71.65	164	5-2378762-4
30u"	10.0	8	28	37	40.15	56	38.65	98	5-2378762-3
30u"	10.0	8	19.5	20	23.15	39	21.65	64	5-2378762-2
30u"	10.0	8	12.5	6	9.15	25	7.65	36	5-2378762-1
15u"	86.5	8	44.5	70	73.15	89	71.65	164	4-2378762-8
15u"	53.5	8	28	37	40.15	56	38.65	98	4-2378762-7
15u"	36.5	8	19.5	20	23.15	39	21.65	64	4-2378762-6
15u"	22.5	8	12.5	6	9.15	25	7.65	36	4-2378762-5
15u"	10.0	8	44.5	70	73.15	89	71.65	164	4-2378762-4
15u"	10.0	8	28	37	40.15	56	38.65	98	4-2378762-3
15u"	10.0	8	19.5	20	23.15	39	21.65	64	4-2378762-2
15u"	10.0	8	12.5	6	9.15	25	7.65	36	4-2378762-1
G/F	86.5	8	44.5	70	73.15	89	71.65	164	3-2378762-8
G/F	53.5	8	28	37	40.15	56	38.65	98	3-2378762-7
G/F	36.5	8	19.5	20	23.15	39	21.65	64	3-2378762-6
G/F	22.5	8	12.5	6	9.15	25	7.65	36	3-2378762-5
G/F	10.0	8	44.5	70	73.15	89	71.65	164	3-2378762-4
G/F	10.0	8	28	37	40.15	56	38.65	98	3-2378762-3
G/F	10.0	8	19.5	20	23.15	39	21.65	64	3-2378762-2
G/F	10.0	8	12.5	6	9.15	25	7.65	36	3-2378762-1
30u"		NA	44.5	70	73.15	89	71.65	164	2-2378762-4
30u"		NA	28	37	40.15	56	38.65	98	2-2378762-3
30u"		NA	19.5	20	23.15	39	21.65	64	2-2378762-2
30u"		NA	12.5	6	9.15	25	7.65	36	2-2378762-1
15u"		NA	44.5	70	73.15	89	71.65	164	1-2378762-4
15u"		NA	28	37	40.15	56	38.65	98	1-2378762-3
15u"		NA	19.5	20	23.15	39	21.65	64	1-2378762-2
15u"		NA	12.5	6	9.15	25	7.65	36	1-2378762-1
G/F		NA	44.5	70	73.15	89	71.65	164	2378762-4
G/F		NA	28	37	40.15	56	38.65	98	2378762-3
G/F		NA	19.5	20	23.15	39	21.65	64	2378762-2
G/F		NA	12.5	6	9.15	25	7.65	36	2378762-1
PRECIOUS PLATING THICKNESS (TOTAL)	W	V	J	N	C	B	A	POS.	PART NUMBER
	MYLAR SIZE (PAGE 4)								

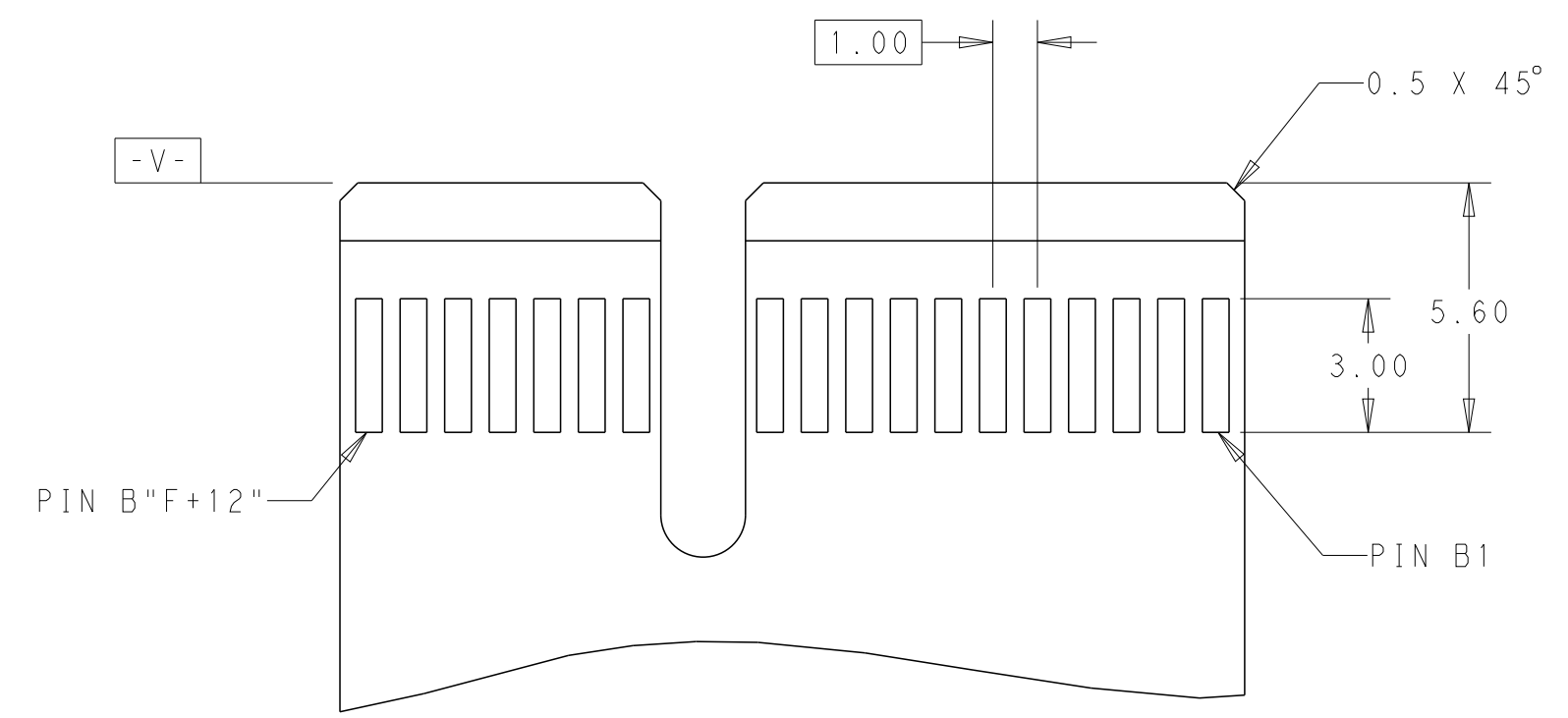
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SANDERS YAN 19AUG2020	<b>STE</b> TE Connectivity	
DIMENSIONS: mm		CHK MIKE CHEN 19AUG2020		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD HOPE LU 19AUG2020	NAME PCI EXPRESS CARD EDGE CONNECTOR GEN5, 1.9 SOLDER TAB	
0 PLC ±		PRODUCT SPEC 108-160247	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
1 PLC ±0.3		APPLICATION SPEC	A200779 C-2378762	
2 PLC ±0.20		WEIGHT	SCALE 6:1 SHEET 2 OF 6 REV B	
3 PLC ±0.050		CUSTOMER DRAWING		
4 PLC ±				
ANGLES ±				
FINISH				

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-	-	SEE SHEET 1	-	-



RECOMMENDED PCB LAYOUT



ADD-IN CARD EDGE-FINGER DIMENSION  
 DEFAULT TOLERANCE ±0.13

164	86.82	70	73.15	72.15
98	53.82	37	40.15	39.15
64	36.82	20	23.15	22.15
36	22.82	6	9.15	8.15
POS.	DIM. E	DIM. F	DIM. G	DIM. H

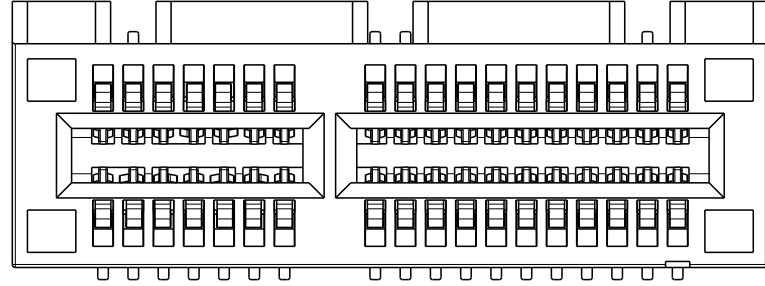
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DWN SANDERS YAN 19AUG2020	 TE Connectivity	NAME PCI EXPRESS CARD EDGE CONNECTOR GEN5, 1.9 SOLDER TAB		
CHK MIKE CHEN 19AUG2020				
APVD HOPE LU 19AUG2020				
PRODUCT SPEC 108-160247				
MATERIAL	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
-	A200779	C-2378762	-	-
CUSTOMER DRAWING	SCALE 6:1	SHEET 3 OF 6	REV B	

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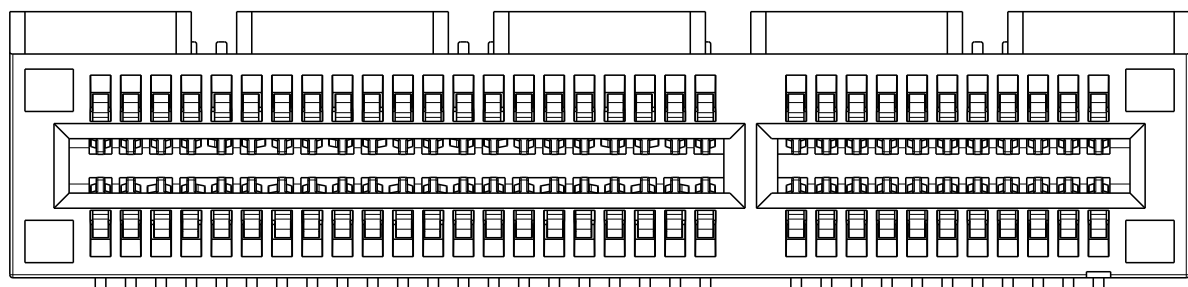
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-

FRONT VIEW



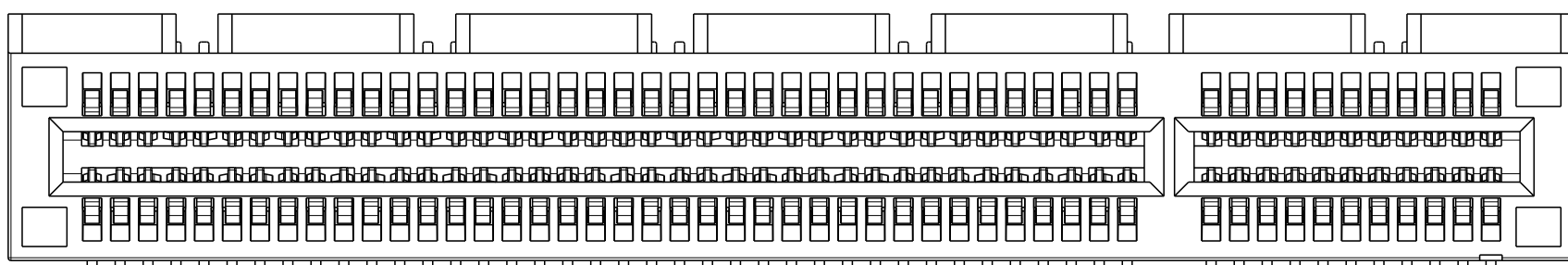
36POS AS SHOWN  
 SCALE: 4:1

FRONT VIEW



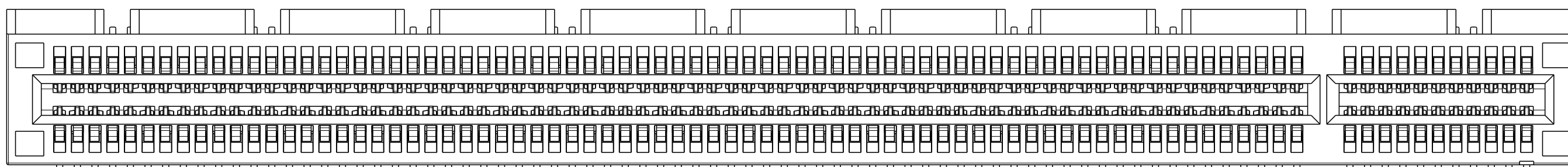
64POS AS SHOWN  
 SCALE: 4:1

FRONT VIEW

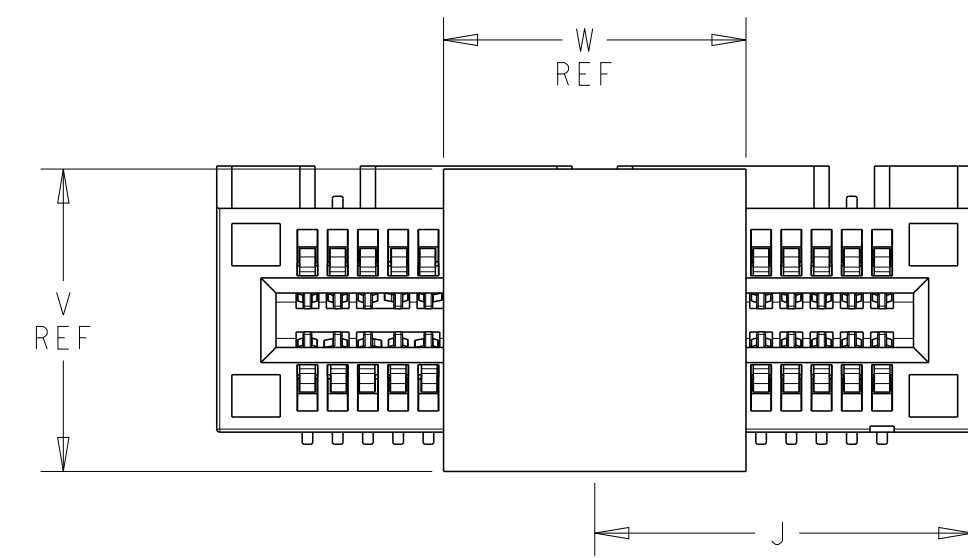


98POS AS SHOWN  
 SCALE: 4:1

FRONT VIEW



164POS AS SHOWN  
 SCALE: 4:1

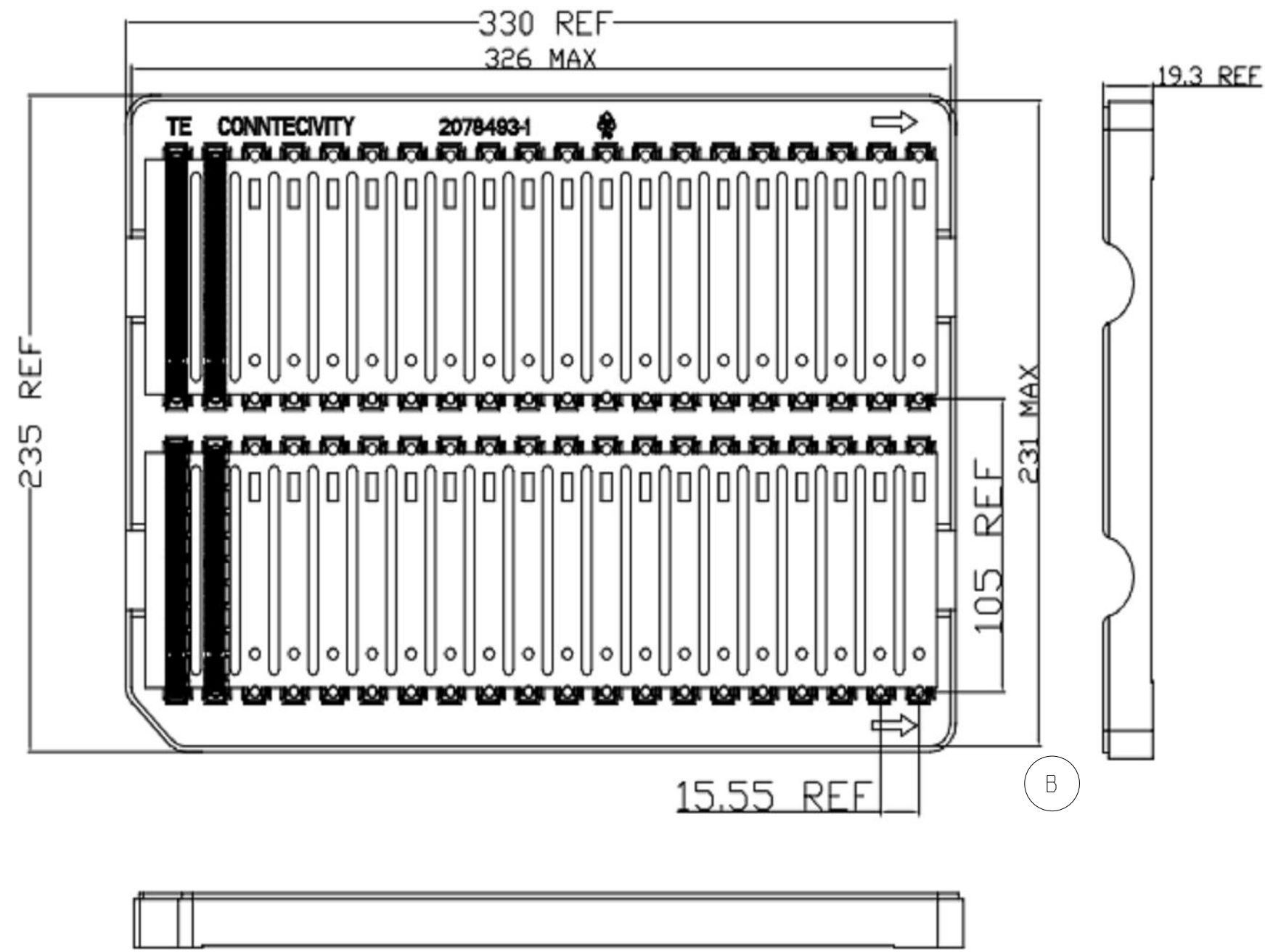


MYLAR SIZE  
 SCALE 4:1

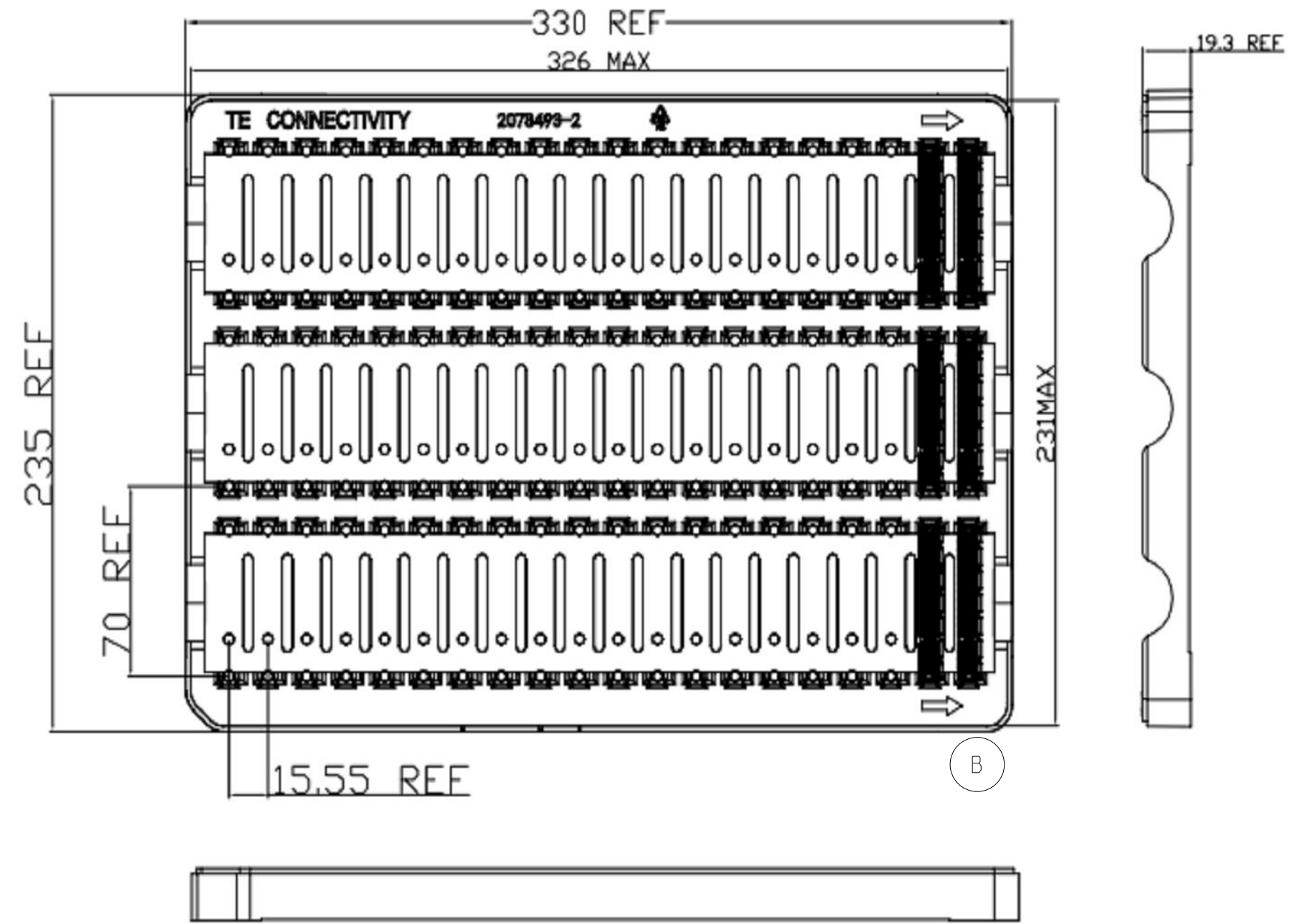
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SANDERS, YAN 19AUG2020	TE Connectivity	
DIMENSIONS: mm		CHK MIKE, CHEN 19AUG2020		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD HOPE, LU 19AUG2020	NAME PCI EXPRESS CARD EDGE CONNECTOR GEN5, 1.9 SOLDER TAB	
0 PLC ±- 1 PLC ±0.3 2 PLC ±0.20 3 PLC ±0.050 4 PLC ±- ANGLES ±- FINISH -		PRODUCT SPEC 108-160247	SIZE A2	CAGE CODE 00779
MATERIAL -		APPLICATION SPEC -	DRAWING NO C-2378762	RESTRICTED TO -
-		WEIGHT -	SCALE 3:1	SHEET 4 OF 6
-		CUSTOMER DRAWING	REV B	

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-	-	SEE SHEET 1	-	-



HARD TRAY: FOR 164 POS  
 SCALE: 1:2

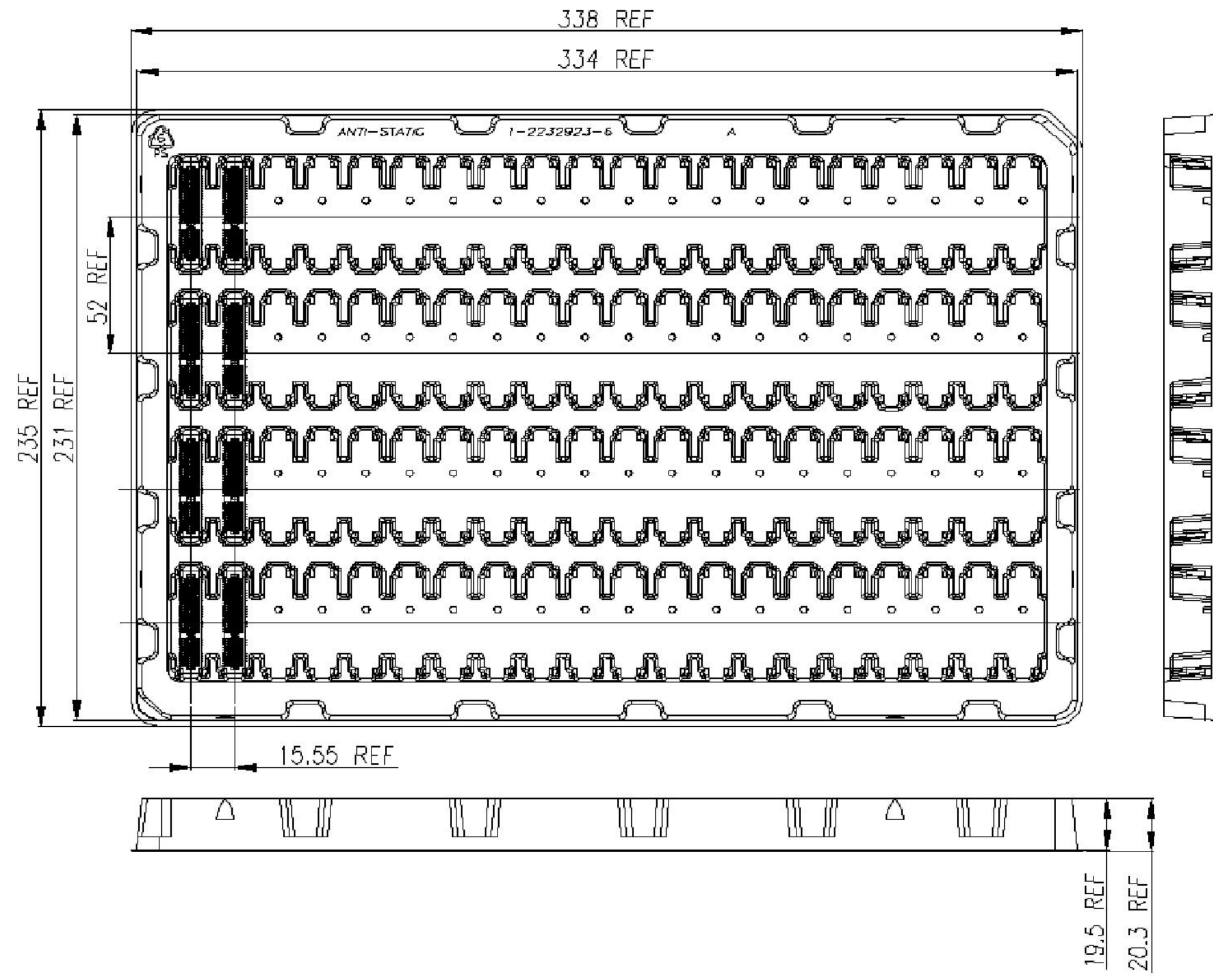


HARD TRAY: FOR 98 POS  
 SCALE: 1:2


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DIMENSIONS: mm		CHK 19AUG2020 MIKE, CHEN		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 19AUG2020 HOPE, LU	NAME PCI EXPRESS CARD EDGE CONNECTOR GEN5, 1.9 SOLDER TAB	
0 PLC ±	1 PLC ±0.3	PRODUCT SPEC 108-160247	SIZE	CAGE CODE
2 PLC ±0.20	3 PLC ±0.050	APPLICATION SPEC -	A200779	C-2378762
4 PLC ±	ANGLES ±	WEIGHT -	DRAWING NO	
MATERIAL -	FINISH -	CUSTOMER DRAWING	RESTRICTED TO	
SCALE 6:1			SHEET 5 OF 6	REV B

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



SOFT TRAY: FOR 64 POS  
 SCALE: 1:2

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DIMENSIONS: mm		CHK 19AUG2020 MIKE, CHEN		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 19AUG2020 HOPE, LU	NAME PCI EXPRESS CARD EDGE CONNECTOR GEN5, 1.9 SOLDER TAB	
0 PLC ± 1 PLC ±0.3 2 PLC ±0.20 3 PLC ±0.050 4 PLC ± ANGLES ± FINISH		PRODUCT SPEC 108-160247	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
MATERIAL		APPLICATION SPEC -	A200779 C-2378762	
		WEIGHT -	SCALE 6:1 SHEET 6 OF 6 REV B	
		CUSTOMER DRAWING		

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