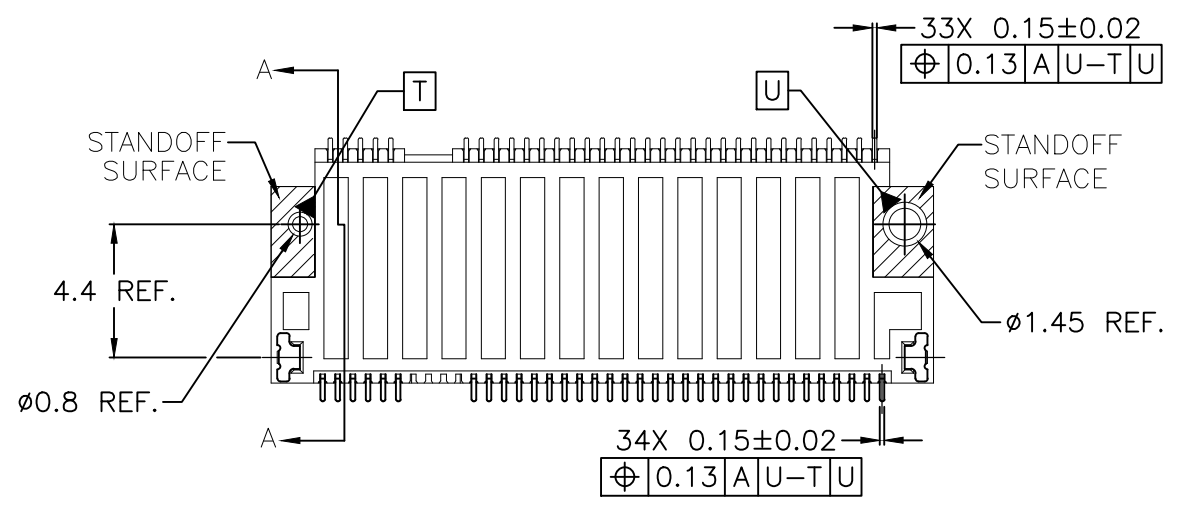
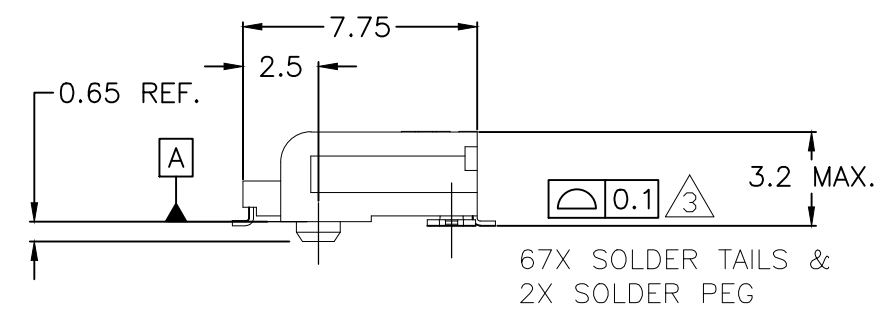
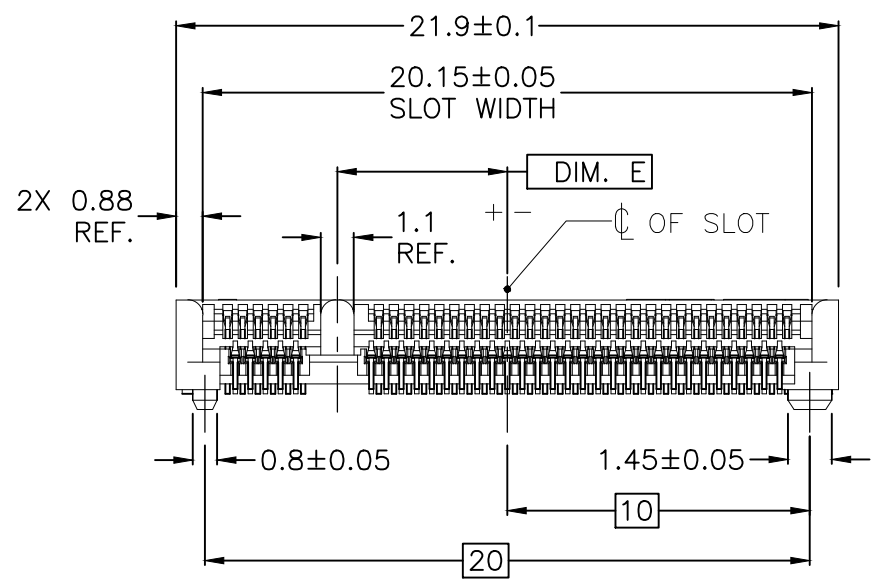
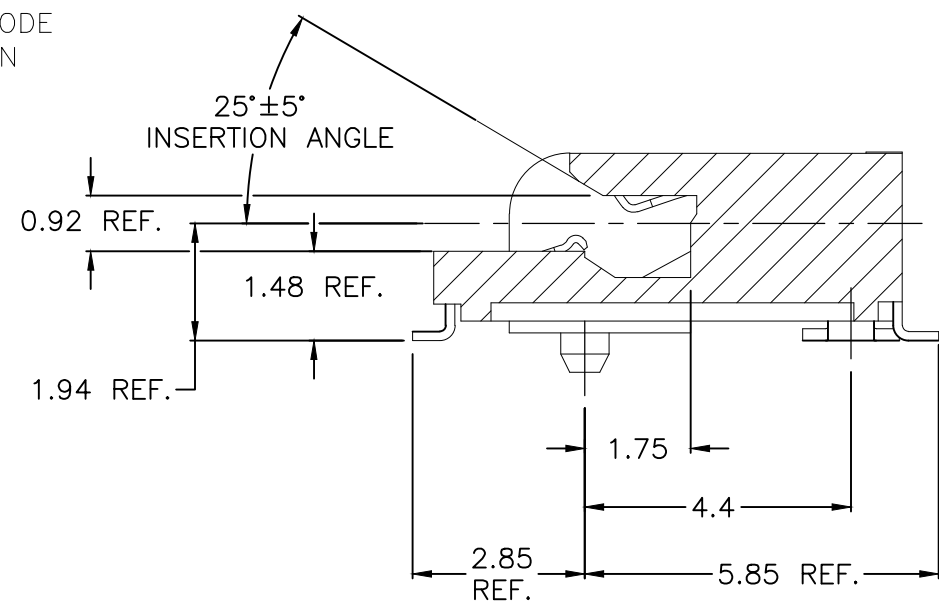
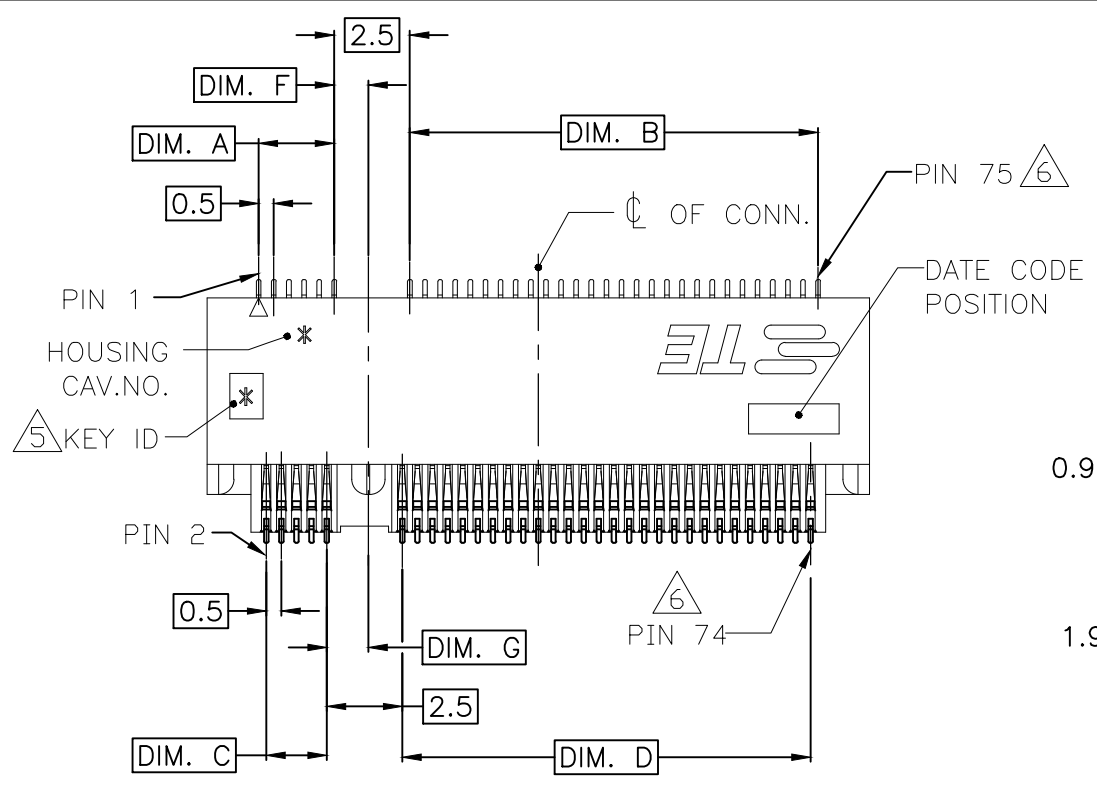


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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
E		ECR-19-000415	30JUL2019	E.Z W.H



- NOTES:
- MATERIAL:
    - HOUSING : HIGH TEMPERATURE THERMOPLASTIC UL94V-0, COLOR: BLACK.
    - CONTACT: COPPER ALLOY.
    - SOLDER PEG: STAINLESS STEEL.
  - FINISH:
    - CONTACT: UNDERCOAT NICKEL 50u" min. ALL OVER; MATING AREA: GOLD PLATING, THE THICKNESS SEE TABLE LIST; SOLDERABLE AREA: GOLDFLASH.
    - SOLDER PEG: UNDERCOAT: NICKEL 50u" min. ALL OVER SOLDERABLE AREA: MATTE TIN 100u" min.
  - COPLANARITY: 0.10mm MAX.(BEFORE SOLDERING).
  - ACCEPTED MODULE BASED ON INDUSTRY STD.
  - KEY ID, "\*" IS A CAPITAL LETTER PER THE PART NO.
  - THE PIN NO. DEFINITIONS ARE ACCORDING TO PCB FOOTPRINT, THE ACTUAL PIN QUANTITY IS ONLY 67 POS. FOR KEY TAKING OUT 8 POS.
  - THE PRODUCT IS RoHS COMPLIANT, BR 900PPM MAX., CL 900PPM MAX. BR+CL 1500 PPM MAX.
  - MINUS MEANS  $\varnothing$  OF KEY IS ON THE RIGHT SIDE OF CONN.  $\varnothing$  IN PAGE 1.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SIMON WU 90CT2012	TE Connectivity	
DIMENSIONS: mm		CHK SIMON LI 90CT2012		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD COREL WANG 90CT2012	NAME	
0 PLC ± 0.30 1 PLC ± 0.30 2 PLC ± 0.20 3 PLC ± 0.10 4 PLC ANGLES ± - ± 3°		PRODUCT SPEC	M.2(NGFF)MINI CARD MOUNTING TYPE	
MATERIAL -		APPLICATION SPEC	0.50mm PITCH 67 POS 3.2mm H	
FINISH -		114-115006	DOUBLE SIDED MODULE	
		WEIGHT 0.51 G	SIZE A3	CAGE CODE 00779
		CUSTOMER DRAWING	DRAWING NO C-2199119	RESTRICTED TO -
		SCALE 4:1	SHEET 1 OF 5	REV E

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

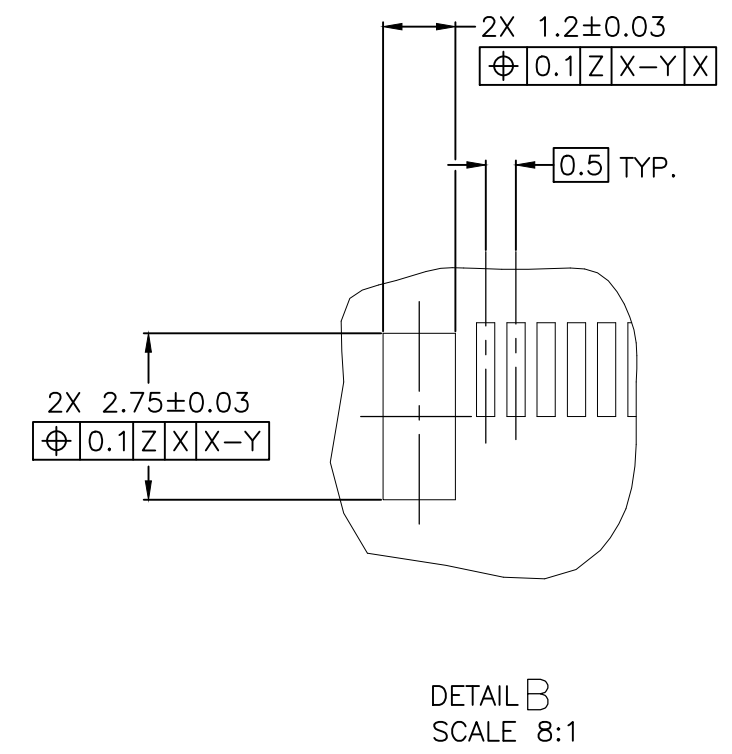
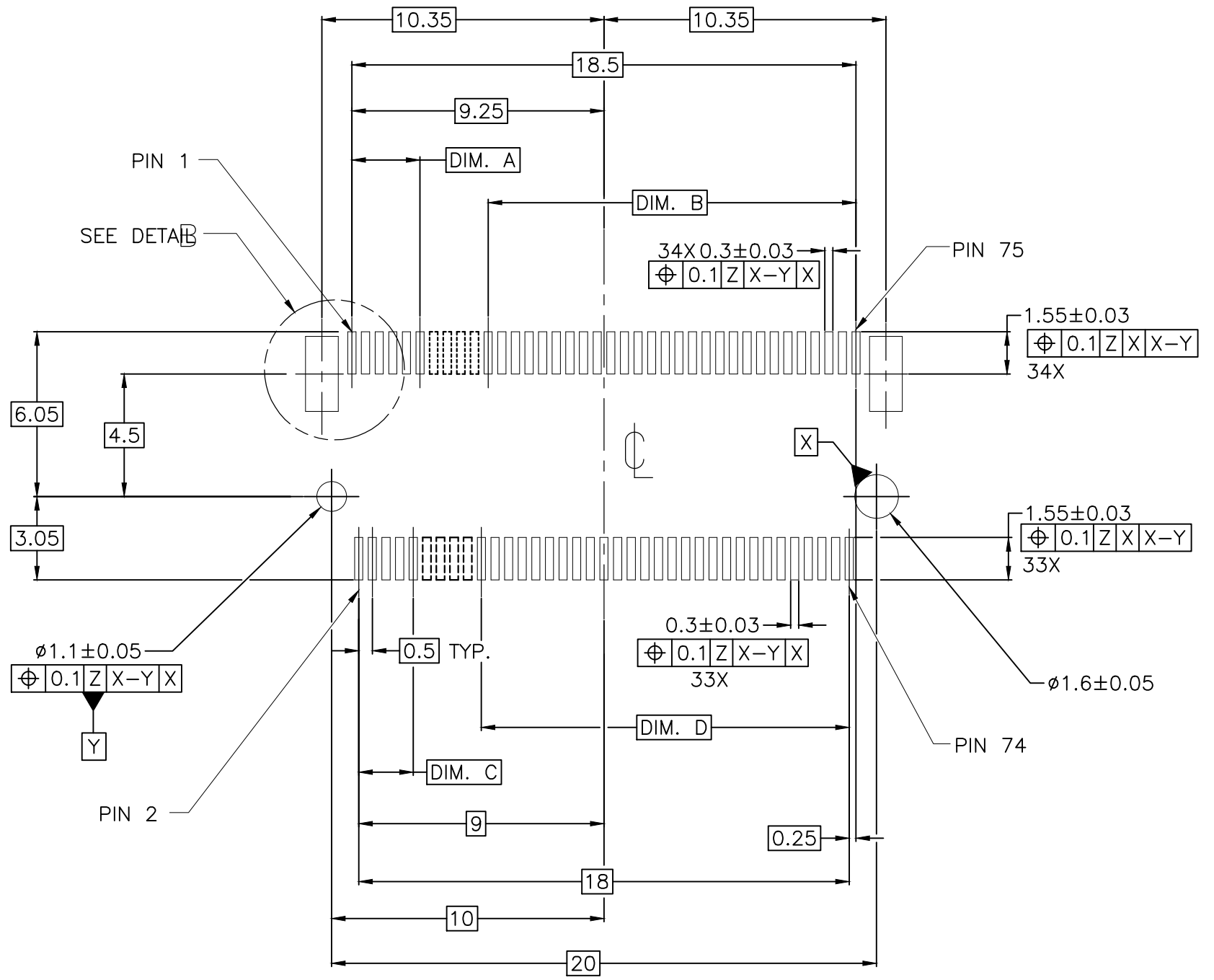


KEY ID.	PRODUCT SPEC.	GOLD SPEC.	DIM. G	DIM. F	DIM. E	DIM. D	DIM. C	DIM. B	DIM. A	PART NO.
M	108-115042	30u" MIN.	1.125	1.375	-6.125	1.5	14.0	2.0	14.0	1-2199119-6
		15u" MIN.								1-2199119-5
		10u" MIN.								1-2199119-4
	108-115049	GOLD FLASH								1-2199119-3
A	108-115042	10u" MIN.	1.375	1.125	6.625	14.5	1.0	14.5	1.5	1-2199119-2
E					2.625	10.5	5.0	10.5	5.5	1-2199119-1
B					5.625	13.5	2.0	13.5	2.5	1-2199119-0
A	108-115042	30u" MIN.	1.375	1.125	6.625	14.5	1.0	14.5	1.5	2199119-9
		15u" MIN.								2199119-8
	108-115049	GOLD FLASH								2199119-7
E	108-115042	30u" MIN.	1.375	1.125	2.625	10.5	5.0	10.5	5.5	2199119-6
B					5.625	13.5	2.0	13.5	2.5	2199119-5
E					2.625	10.5	5.0	10.5	5.5	2199119-4
B	108-115042	15u" MIN.	1.375	1.125	5.625	13.5	2.0	13.5	2.5	2199119-3
E					2.625	10.5	5.0	10.5	5.5	2199119-2
B	108-115049	GOLD FLASH			5.625	13.5	2.0	13.5	2.5	3-2199119-1
										2199119-1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SIMON WU 90CT2012	<b>STE</b> TE Connectivity		
		CHK SIMON LI 90CT2012			
DIMENSIONS: mm		APVD COREL WANG 90CT2012	NAME M.2(NGFF)MINI CARD MOUNTING TYPE 0.50mm PITCH 67 POS 3.2mm H DOUBLE SIDED MODULE		
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.30 1 PLC ± 0.30 2 PLC ± 0.20 3 PLC ± 0.10 4 PLC ± - ± 3' ANGLES		PRODUCT SPEC	RESTRICTED TO		
MATERIAL		APPLICATION SPEC	SIZE A3	CAGE CODE 00779	DRAWING NO C-2199119
FINISH		WEIGHT 0	SCALE 4:1		
		CUSTOMER DRAWING	SHEET 2 of 5		
			REV E		


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



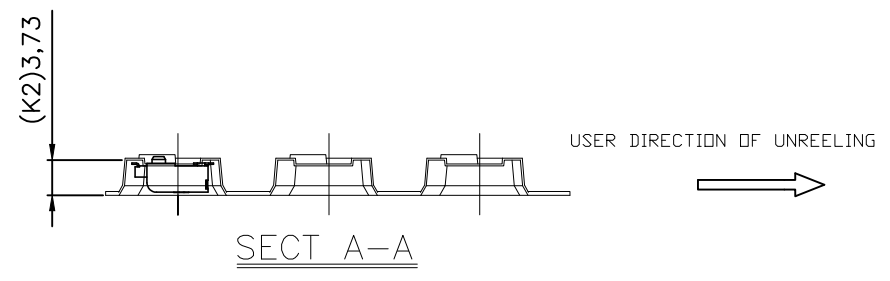
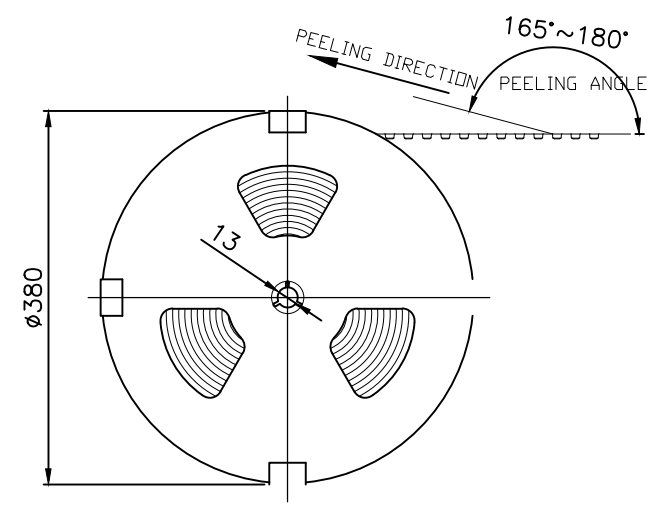
RECOMMENDED NGFF MINI CARD MOUNTING TYPE\_SMT\_PCB OUTLINE  
 DATUM Z: PCB SOLDER SURFACE

M	1.5	14.0	2.0	14.0
E	10.5	5.0	10.5	5.5
B	13.5	2.0	13.5	2.5
A	14.5	1.0	14.5	1.5
KEY ID.	DIM. D	DIM. C	DIM. B	DIM. A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SIMON WU 90CT2012	 <b>TE Connectivity</b>											
DIMENSIONS: mm		CHK SIMON LI 90CT2012												
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD COREL WANG 90CT2012												
<table border="0"> <tr><td>0 PLC</td><td>± 0.30</td></tr> <tr><td>1 PLC</td><td>± 0.30</td></tr> <tr><td>2 PLC</td><td>± 0.20</td></tr> <tr><td>3 PLC</td><td>± 0.10</td></tr> <tr><td>4 PLC</td><td>± -</td></tr> <tr><td>ANGLES</td><td>± 3°</td></tr> </table>		0 PLC			± 0.30	1 PLC	± 0.30	2 PLC	± 0.20	3 PLC	± 0.10	4 PLC	± -	ANGLES
0 PLC	± 0.30													
1 PLC	± 0.30													
2 PLC	± 0.20													
3 PLC	± 0.10													
4 PLC	± -													
ANGLES	± 3°													
MATERIAL		FINISH	M.2(NGFF)MINI CARD MOUNTING TYPE 0.50mm PITCH 67 POS 3.2mm H DOUBLE SIDED MODULE											
-		-	SIZE	RESTRICTED TO										
-		-	A3	-										
-		-	CAGE CODE	00779										
-		-	DRAWING NO	C-2199119										
-		-	SCALE	5:1										
-		-	SHEET	3 OF 5										
-		-	REV	E										
CUSTOMER DRAWING														

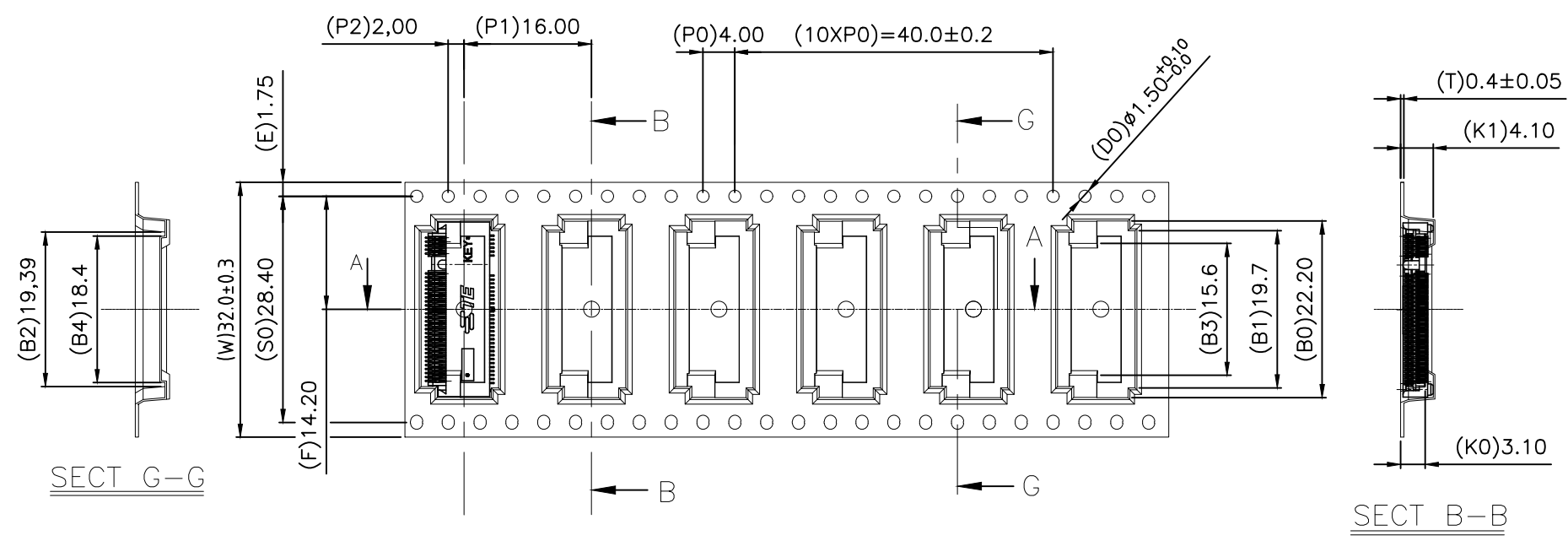
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



NOTES: (APPLIED TO CURRENT SHEET)

1. THE DIRECTION OF EACH CONNECTOR ON A EMBOSS IS REFERRED TO THIS DRAWING.
2. GENERAL TOLERANCE: ±0.5, ±3°
3. PACKAGED IN EMBOSS TAPE AND PLASTIC RELL 1200PCS PER REEL.



SECT G-G

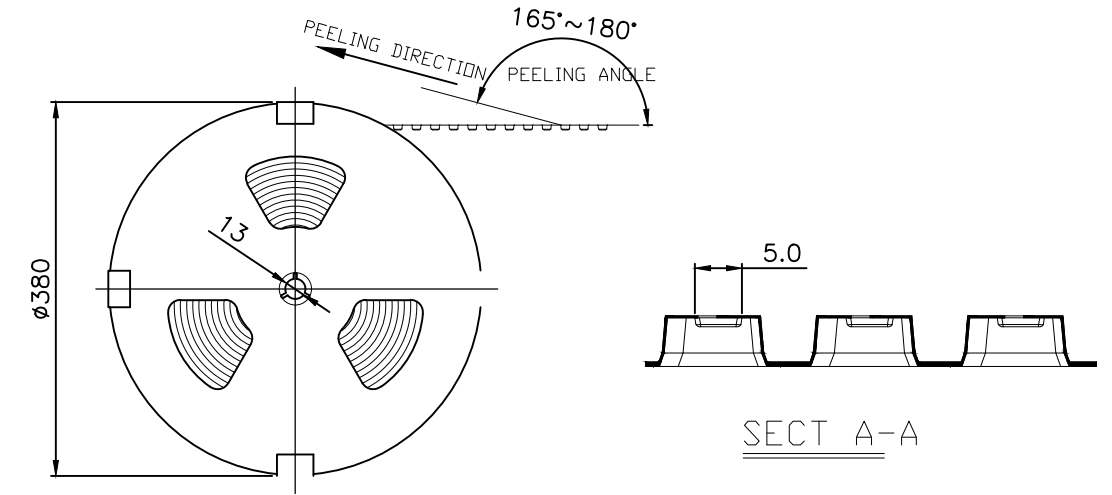
SECT B-B

M	1-2199119-6
	1-2199119-5
	1-2199119-4
	1-2199119-3
A	1-2199119-2
E	1-2199119-1
B	1-2199119-0
A	2199119-9
	2199119-8
	2199119-7
E	2199119-6
B	2199119-5
E	2199119-4
B	2199119-3
E	2199119-2
B	2199119-1
KEY ID.	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SIMON WU 90CT2012	TE Connectivity			
DIMENSIONS: mm		CHK SIMON LI 90CT2012				
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD COREL WANG 90CT2012	NAME			
0 PLC ± 0.30 1 PLC ± 0.30 2 PLC ± 0.20 3 PLC ± 0.10 4 PLC ± - ANGLES ± 3°		PRODUCT SPEC	M.2(NGFF)MINI CARD MOUNTING TYPE 0.50mm PITCH 67 POS 3.2mm H DOUBLE SIDED MODULE			
MATERIAL - FINISH -		APPLICATION SPEC	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
		WEIGHT	A3	00779	C-2199119	-
CUSTOMER DRAWING			SCALE N/A	SHEET 4 of 5	REV E	

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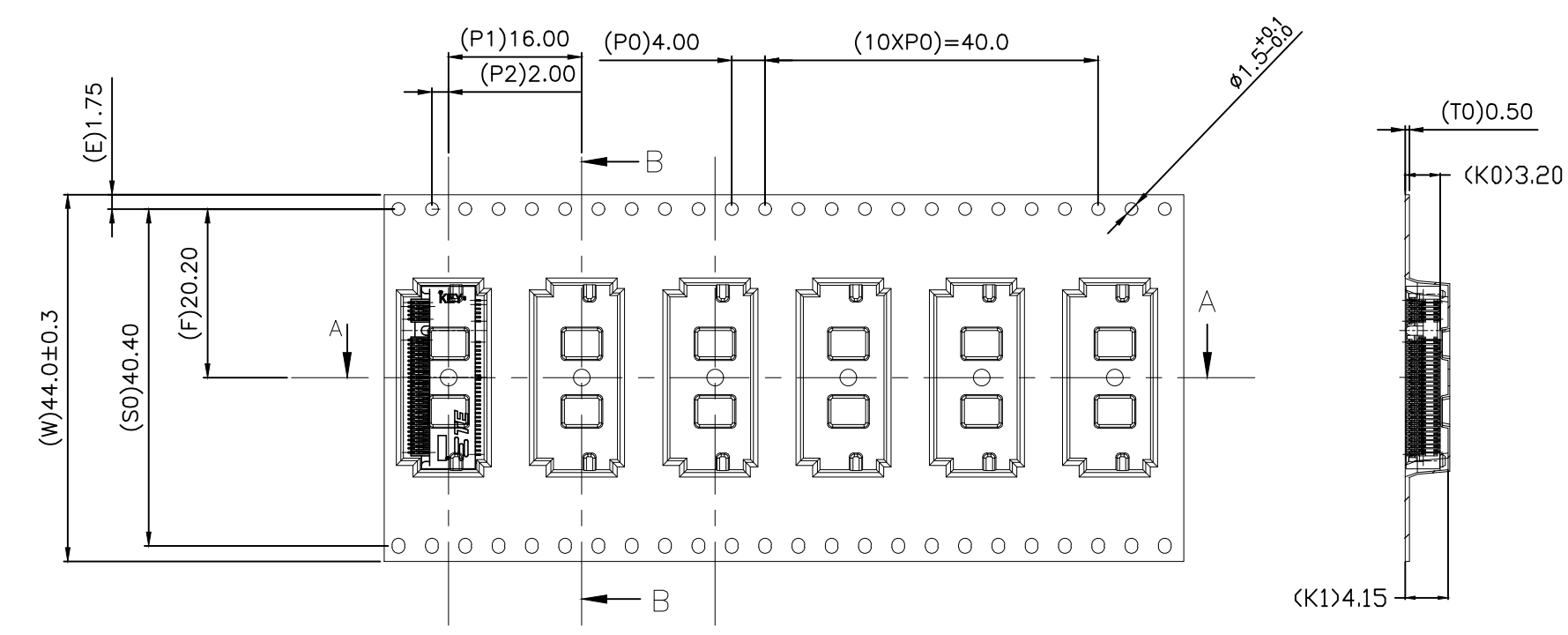
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



NOTES: (APPLIED TO CURRENT SHEET)

1. THE DIRECTION OF EACH CONNECTOR ON A EMBOSS IS REFERRED TO THIS DRAWING.
2. GENERAL TOLERANCE:  $\pm 0.5$ ,  $\pm 3^\circ$
3. PACKAGED IN EMBOSS TAPE AND PLASTIC RELL 1200PCS PER REEL.

USER DIRECTION OF UNREELING  $\rightarrow$



USER DIRECTION OF UNREELING  $\rightarrow$

SECT B-B  
N.I.S

B	3-2199119-1
KEY ID.	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	SIMON WU	90CT2012	<b>TE Connectivity</b>								
DIMENSIONS: mm		CHK	SIMON LI	90CT2012				NAME M.2(NGFF)MINI CARD MOUNTING TYPE 0.50mm PITCH 67 POS 3.2mm H DOUBLE SIDED MODULE					
		APVD	COREL WANG	90CT2012							SIZE A3		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC						CAGE CODE	00779	DRAWING NO			
0 PLC $\pm 0.30$ 1 PLC $\pm 0.30$ 2 PLC $\pm 0.20$ 3 PLC $\pm 0.10$ 4 PLC $\pm -$ ANGLES $\pm 3^\circ$		APPLICATION SPEC			RESTRICTED TO	-							
MATERIAL		WEIGHT			CUSTOMER DRAWING			SCALE	N/A	SHEET	5 OF 5	REV	E