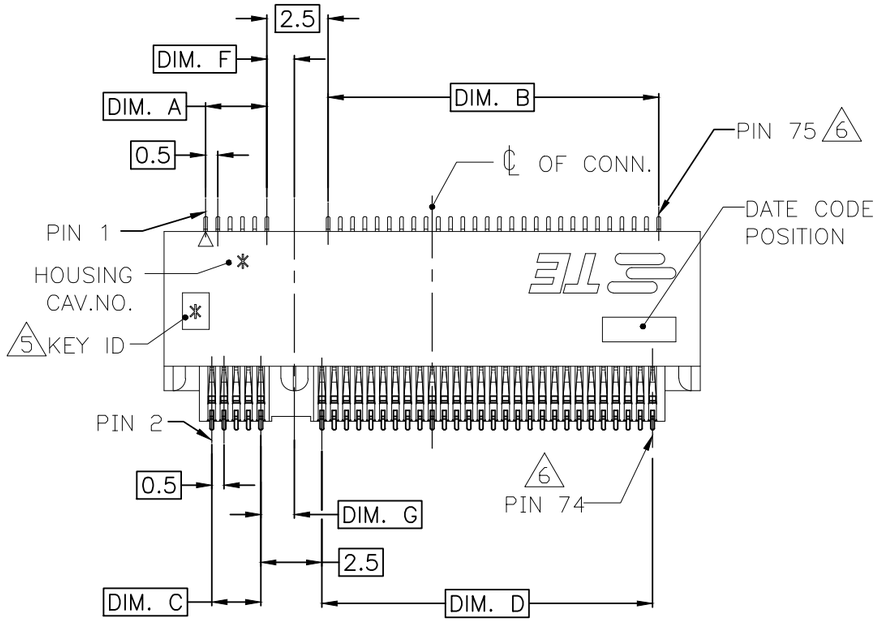
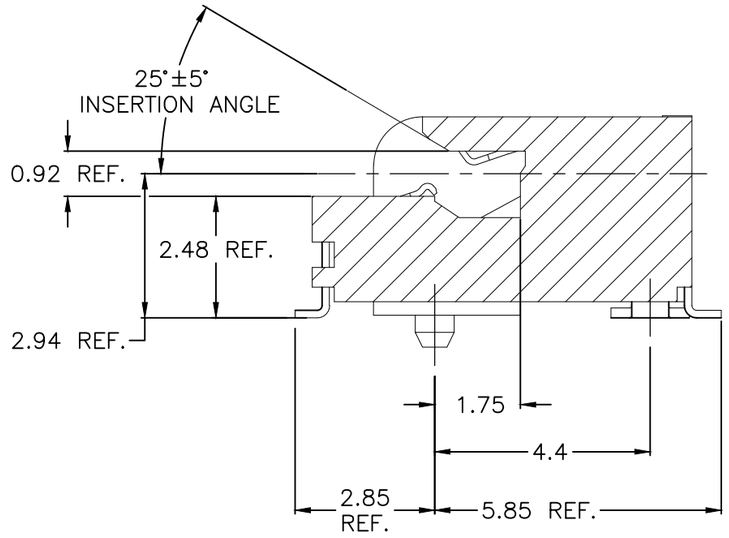
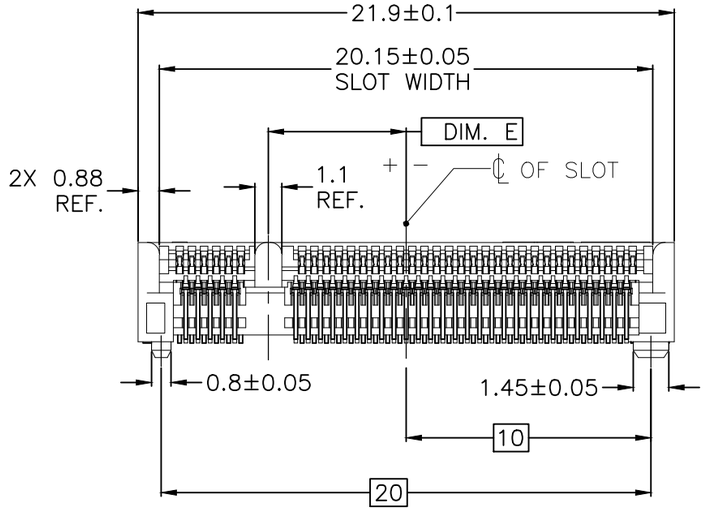
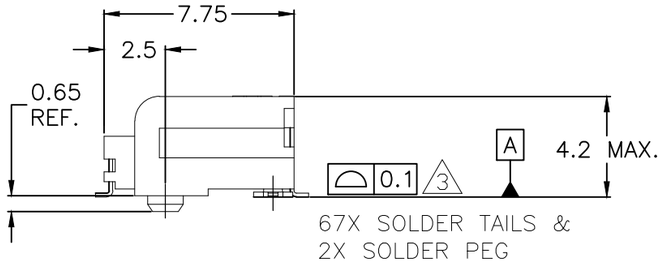
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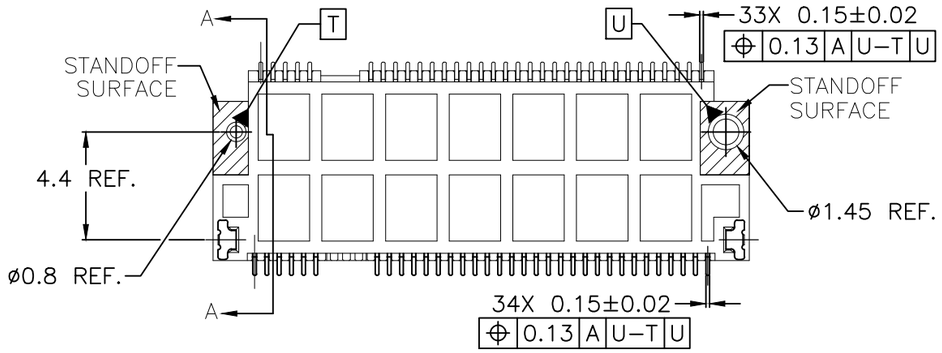
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B3	REVISED PER ECR-19-000415	27SEP2019	E.Z	W.H











NOTES:

1. MATERIAL:
1.1 HOUSING : HIGH TEMPERATURE THERMOPLASTIC UL94V-0, COLOR: BLACK.
1.2 CONTACT: COPPER ALLOY.
1.3 SOLDER PEG: STAINLESS STEEL.

2. FINISH:
2.1 CONTACT: UNDERCOAT NICKEL 50u'' min.
ALL OVER;
MATING AREA: GOLD PLATING, THE THICKNESS SEE TABLE LIST;
SOLDERABLE AREA: GOLDFLASH.

2.2 SOLDER PEG: UNDERCOAT: NICKEL 50u'' min.
ALL OVER
SOLDERABLE AREA: MATTE TIN 100u'' min.

3. COPLANARITY: 0.10mm MAX.(BEFORE SOLDERING).

4. ACCEPTED MODULE BASED ON INDUSTRY STD

5. KEY ID, "*" IS A CAPTICAL LETTER PER THE PART NO.

6. THE PIN NO. DEFINITIONS ARE ACCORDING TO PCB FOOTPRINT, THE ACTUAL PIN QUANTITY IS ONLY 67 POS. FOR KEY TAKING OUT 8 POS.

7. THE PRODUCT IS RoHS COMPLIANT,
BR 900PPM MAX., CL 900PPM MAX.
BR+CL 1500 PPM MAX.

8. MINUS MEANS ℄ OF KEY IS ON THE RIGHT SIDE OF CONN. ℄ IN PAGE 1.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± 0.30
1 PLC ± 0.30
2 PLC ± 0.20
3 PLC ± 0.10
4 PLC ± -
ANGLES ± 3°

MATERIAL -

FINISH -

DWN	SIMON WU	9OCT2012
CHK	SIMON LI	9OCT2012
APVD	COREL WANG	9OCT2012
PRODUCT SPEC	SEE TABLE	
APPLICATION SPEC	114-115006	
WEIGHT	0.64 G	

TE Connectivity Ltd.

NAME: M.2(NGFF) MINI CARD MOUNTING TYPE 0.50mm PITCH 67 POS. 4.2mm HEIGHT FOR DOUBLE SIDED MODULE

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2199230	-

CUSTOMER DRAWING | SCALE 4:1 | SHEET 1 OF 4 | REV B3

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

8

M	108–115042	50u'' MIN.	1.125	1.375	–6.125	1.5	14.0	2.0	14.0	1–2199230–7
		30u'' MIN.								1–2199230–6
		15u'' MIN.								1–2199230–5
		10u'' MIN.								1–2199230–4
	108–115049	GOLD FLASH								1–2199230–3
A	108–115042	10u'' MIN.	1.375	1.125	6.625	14.5	1.0	14.5	1.5	1–2199230–2
E					2.625	10.5	5.0	10.5	5.5	1–2199230–1
B					5.625	13.5	2.0	13.5	2.5	1–2199230–0
A	108–115042	30u'' MIN.			6.625	14.5	1.0	14.5	1.5	2199230–9
		15u'' MIN.								2199230–8
	108–115049	GOLD FLASH								2199230–7
E	108–115042	30u'' MIN.			2.625	10.5	5.0	10.5	5.5	2199230–6
B					5.625	13.5	2.0	13.5	2.5	2199230–5
E		15u'' MIN.			2.625	10.5	5.0	10.5	5.5	2199230–4
B					5.625	13.5	2.0	13.5	2.5	2199230–3
E	108–115049	GOLD FLASH			2.625	10.5	5.0	10.5	5.5	2199230–2
B					5.625	13.5	2.0	13.5	2.5	2199230–1
KEY ID.	PRODUCT SPEC.	GOLD SPEC.	DIM. G	DIM. F	DIM. E	DIM. D	DIM. C	DIM. B	DIM. A	PART NO.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± 0.30
1 PLC ± 0.30
2 PLC ± 0.20
3 PLC ± 0.10
4 PLC ± –
ANGLES ± 3°

MATERIAL –

FINISH –

DWN SIMON WU 9OCT2012
CHK SIMON LI 9OCT2012
APVD COREL WANG 9OCT2012
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

CUSTOMER DRAWING

TE Connectivity Ltd.

NAME
M.2(NGFF) MINI CARD MOUNTING TYPE
0.50mm PITCH 67 POS. 4.2mm HEIGHT
FOR DOUBLE SIDED MODULE

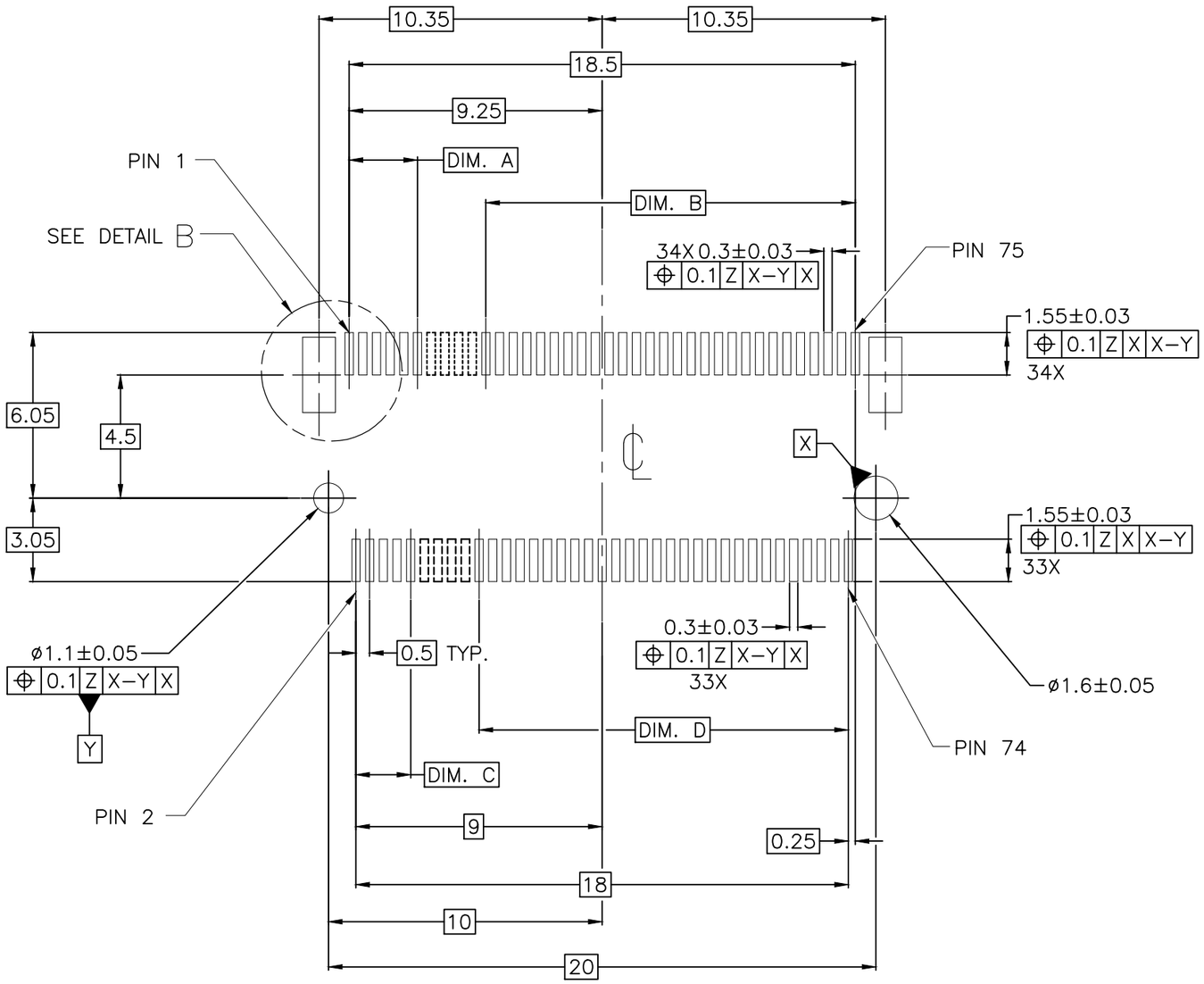
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A3	00779	C-2199230	—

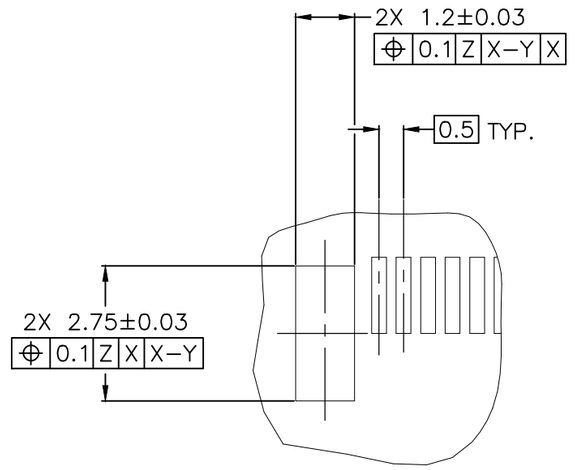
SCALE	SHEET	REV
4:1	2 OF 4	B3

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—





DETAIL B
SCALE 8:1

RECOMMEDNED 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.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± 0.30
1 PLC ± 0.30
2 PLC ± 0.20
3 PLC ± 0.10
4 PLC ± –
ANGLES ± 3°

MATERIAL –
FINISH –

DWN SIMON WU 9OCT2012
CHK SIMON LI 9OCT2012
APVD COREL WANG 9OCT2012
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

CUSTOMER DRAWING

TE Connectivity Ltd.

NAME
M.2(NGFF) MINI CARD MOUNTING TYPE
0.50mm PITCH 67 POS. 4.2mm HEIGHT
FOR DOUBLE SIDED MODULE

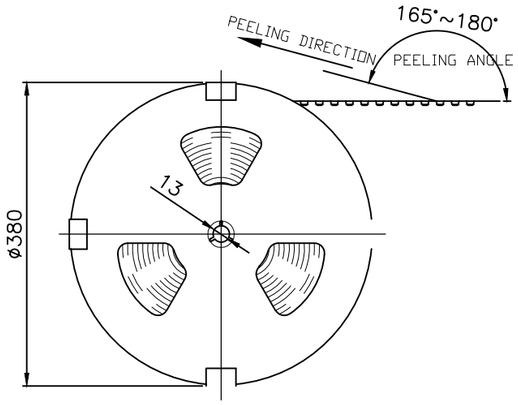
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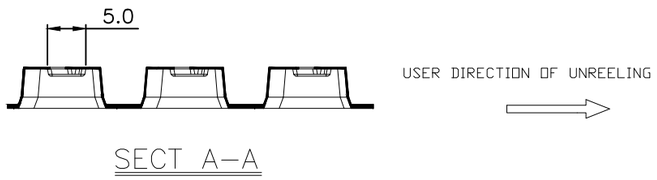
SCALE	SHEET	REV
5:1	3 OF 4	B3

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

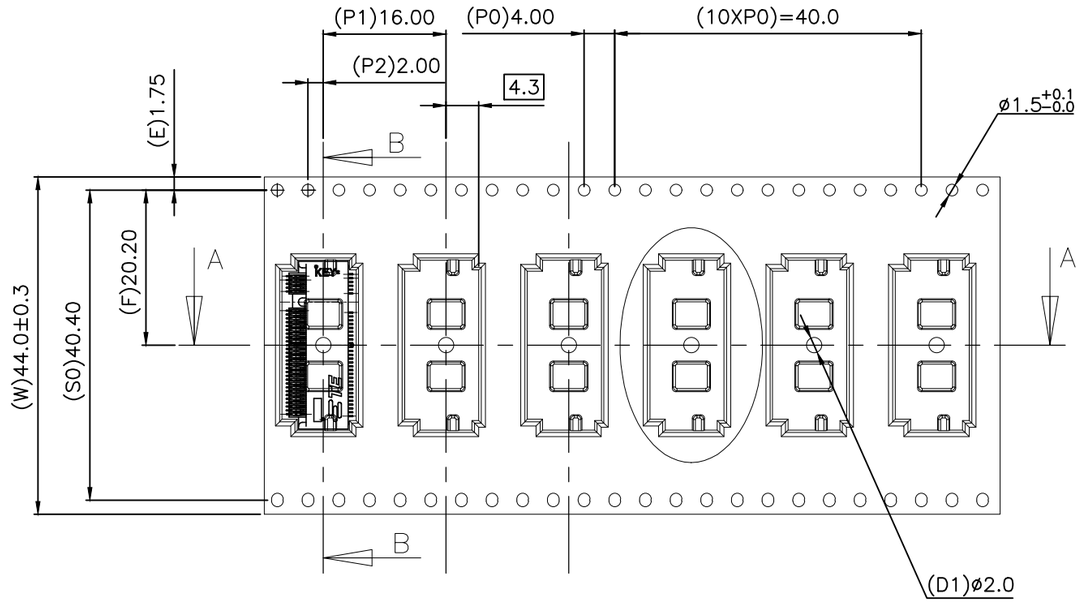


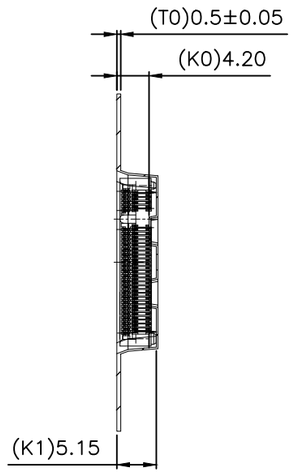


SECT A–A

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 1000PCS PER REEL.





SECT B–B

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SIMON WU 9OCT2012	TE Connectivity Ltd.
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 0.30; 1 PLC ± 0.30; 2 PLC ± 0.20; 3 PLC ± 0.10; 4 PLC ± –; ANGLES ± 3°	CHK SIMON LI 9OCT2012	NAME M.2(NGFF) MINI CARD MOUNTING TYPE 0.50mm PITCH 67 POS. 4.2mm HEIGHT FOR DOUBLE SIDED MODULE
		APVD COREL WANG 9OCT2012	
		PRODUCT SPEC –	
		APPLICATION SPEC –	SIZE A3 / CAGE CODE 00779 / DRAWING NO C-2199230 / RESTRICTED TO –
MATERIAL –	FINISH –	WEIGHT –	
		CUSTOMER DRAWING	SCALE N/A / SHEET 4 OF 4 / REV B3

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TE Connectivity:

SMW73R0JT TE50BR39J U5254-000005-030PA 1903112-2 3631B101LL 1-962915-1 175977-2 1969656-1 917696-1 CRGCQ2010J3K3 ROX05SJ18R SBCHE154R7K 2005330-1 2380312-2 MPT100C18RF SBCHE64R7K 1393431-1 2310537-1 3430B2F51RTDF RH73H2A40MKTN 2-292161-3 936348-1 141991-2 1743455-2 2834055-1 1-794222-0 2377783-2 3-1393225-0 650075-000 CPF0402B37K4E1