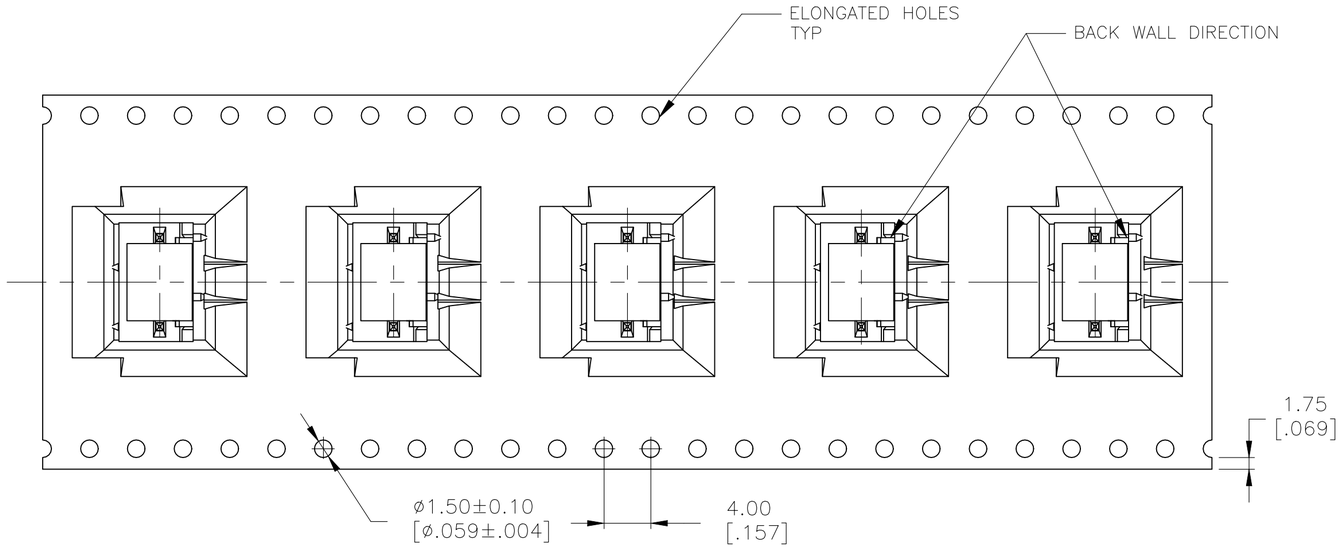
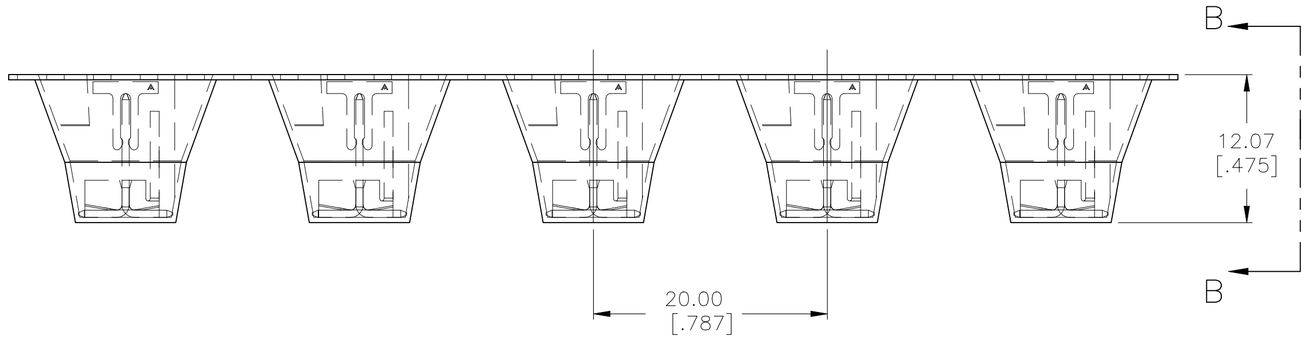
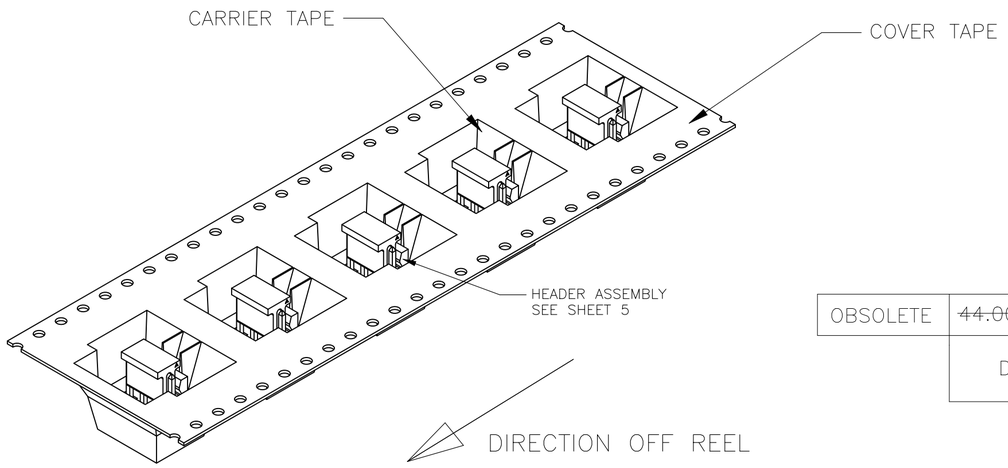
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	C1	REVISED PER ECR-24-214952	23JUL2024	AN	JP







1. MATERIAL:
HEADER– NYLON 4/6, HIGH TEMPERATURE, UL94V–0
POST: COPPER ALLOY
CAVITY CARRIER TAPE: BLACK CONDUCTIVE POLYCARBONATE
COVER TAPE: POLYESTER FILM TAPE.

2. FINISH:
HOUSING: COLOR, BLACK
POST: GOLD PLATED.

3. POSTS TO WITHSTAND 13 NEWTONS [3 LBS] MIN AXIAL FORCE IN THIS DIRECTION WITHOUT DISLODGING, BEFORE SOLDERING.

4. POSTS SOLDERTAILS MUST COMPLY WITH AMP SOLDERABILITY SPEC 109–11–2.

5. MEASURED AT –A–

6. APPLIES WHEN HEADER IS HELD STRAIGHT.

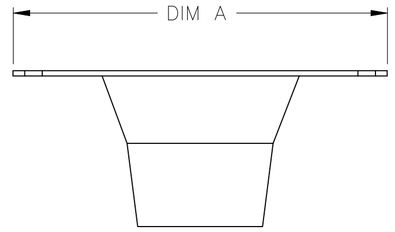
7. COORDINATE DIMENSION APPLIES FROM CENTER OF ACTUAL FEATURE.

8. DIMENSIONS APPLY TO THE COMPONENT SIDE OF BOARD.

9. MAXIMUM TEMPERATURE EXPOSURE DURING REFLOW SOLDERING NOT TO EXCEED 280°C [536°F]

10. HEADERS ARE SUPPLIED ON A 330.2mm [13 INCH] DIAMETER REEL,WITH 225 PARTS PER REEL. THE CAVITY CARRIER TAPE HOLDS 1 PART PER POCKET,ORIENTED AS SHOWN.

11. AMP LOGO,UL AND CSA TRADEMARKS TO APPEAR ON THIS SURFACE.



OBSOLETE	~~44.00 [1.732]~~	~~972366-5~~	~~1706504-8~~	~~147117-5~~	~~7~~	~~3-647168-7~~	~~3-1744163-7~~
	DIM "A"	COVER TAPE	CARRIER TAPE	PICK & PLACE CAP	NO. OF POSITIONS	HEADER ASSEMBLY	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .015
4 PLC ± –
ANGLES ± 1°

MATERIAL –
FINISH –

DWN jr ruth 30MAR11
CHK SAM MACE 30MAR11
APVD SAM MACE 30MAR11
PRODUCT SPEC 108–1050
APPLICATION SPEC 114–1019
WEIGHT –

TE Connectivity Ltd.

NAME MTA–100 HEADER ASSY, SURFACE MOUNT, FRICTION LOCK, TAPE LOADED W/CAP
–

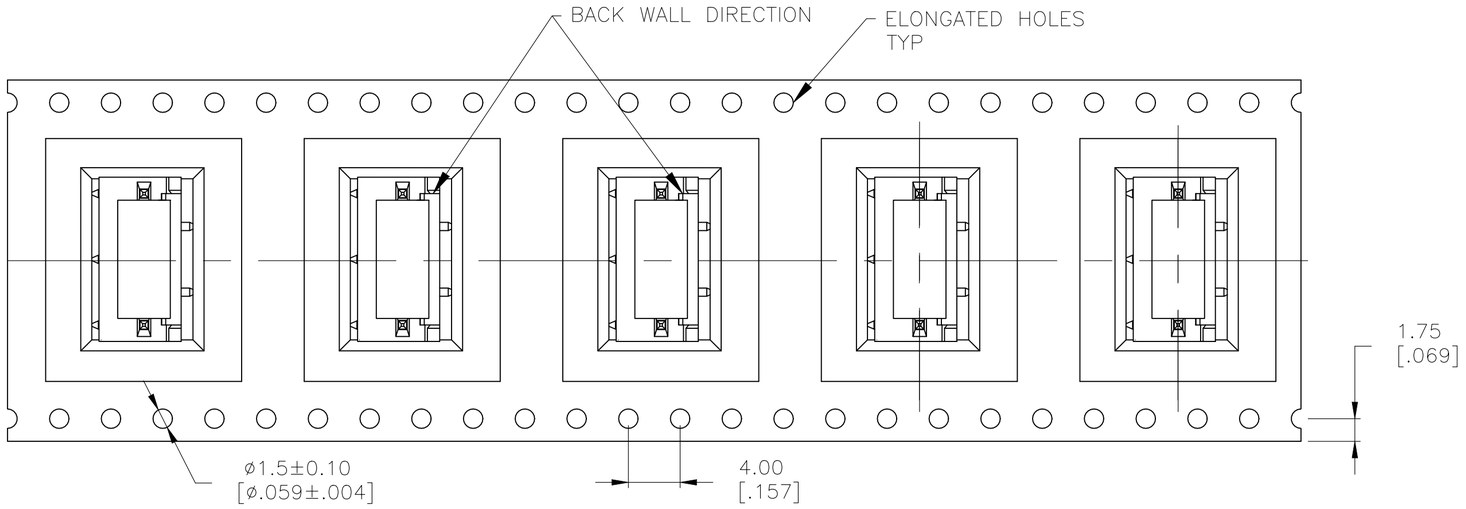
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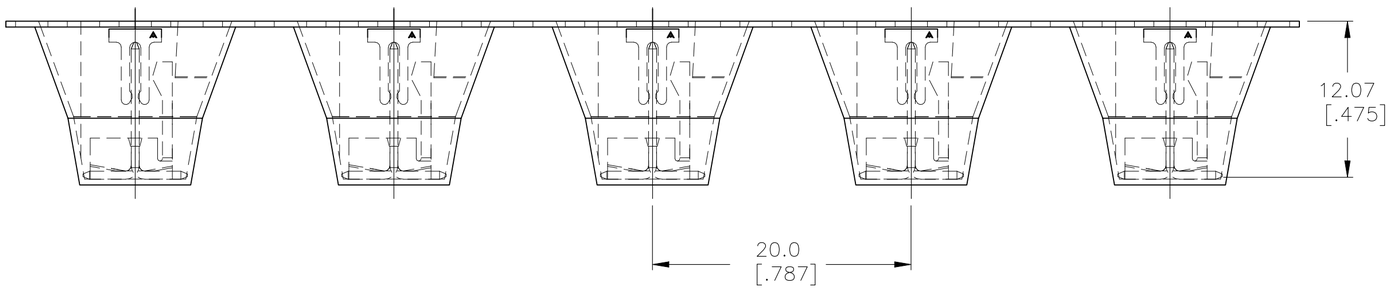
CUSTOMER DRAWING | SCALE 3:1 | SHEET 1 OF 7 | REV C1

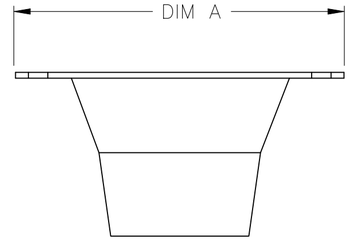
1744163

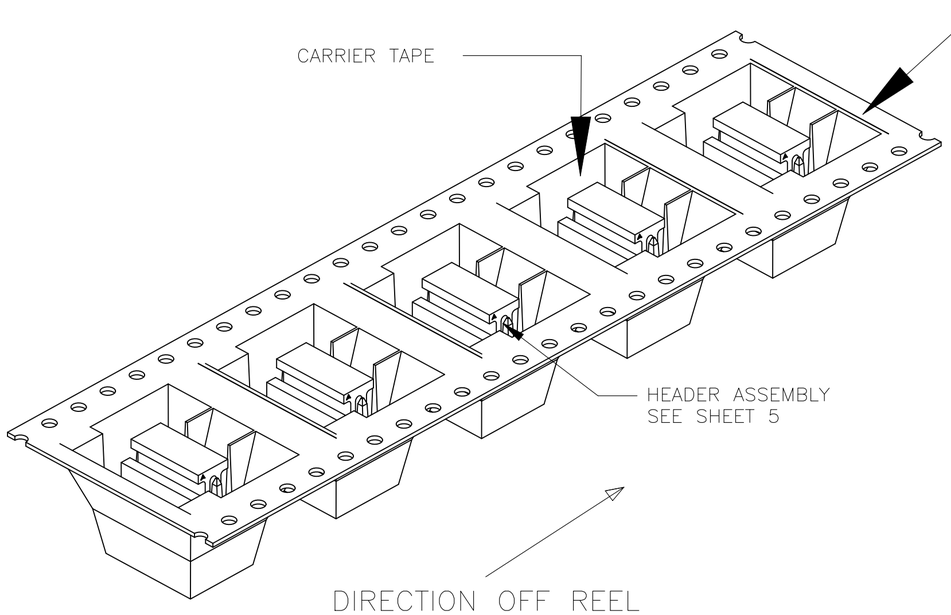
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—









32.00 [1.260]	972366-4	1706504-4	147117-5	4	3-647168-4	3-1744163-4
DIM "A"	COVER TAPE	CARRIER TAPE	PICK & PLACE CAP	NO. OF POSITIONS	HEADER ASSEMBLY	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .015
4 PLC ± –
ANGLES ± 1°

MATERIAL –

FINISH –

DWN jr ruth 30MAR11
CHK SAM MACE 30MAR11
APVD SAM MACE 30MAR11
PRODUCT SPEC 108-1050
APPLICATION SPEC 114-1019
WEIGHT

TE Connectivity Ltd.

NAME MTA-100 HEADER ASSY, SURFACE MOUNT, FRICTION LOCK, TAPE LOADED W/CAP
–

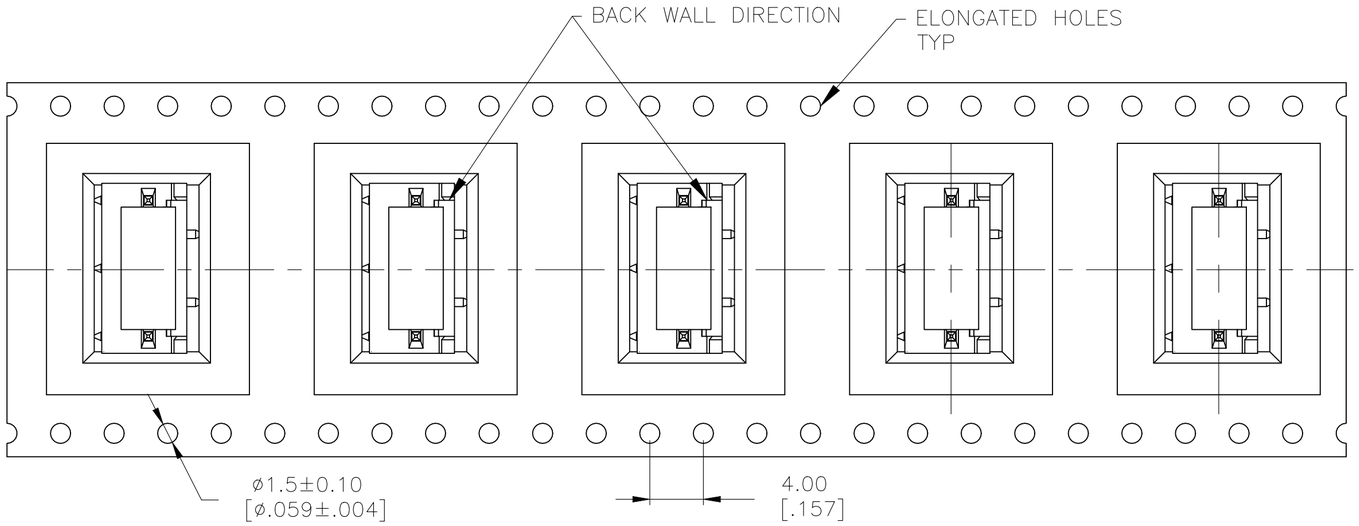
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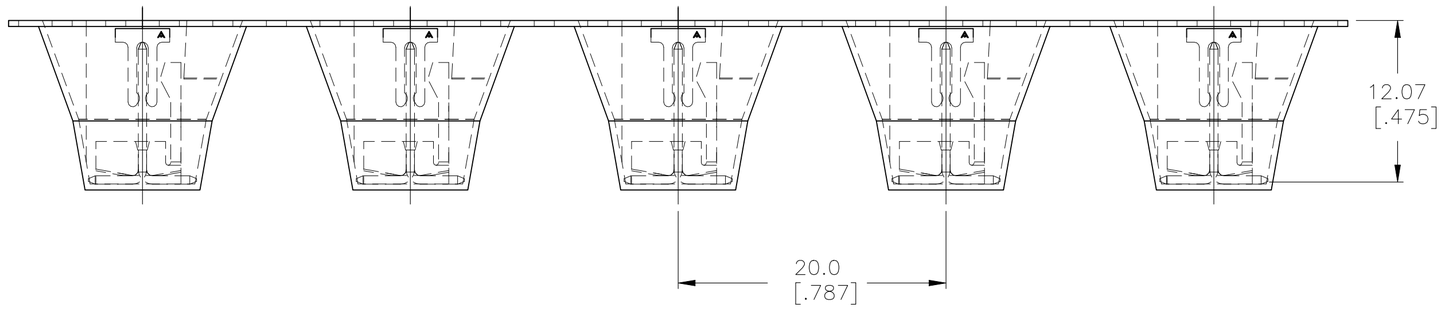
CUSTOMER DRAWING | SCALE 3:1 | SHEET 2 OF 7 | REV C1

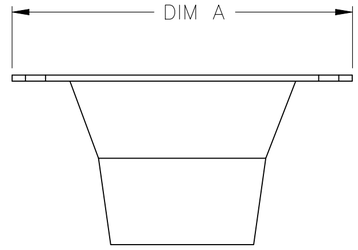
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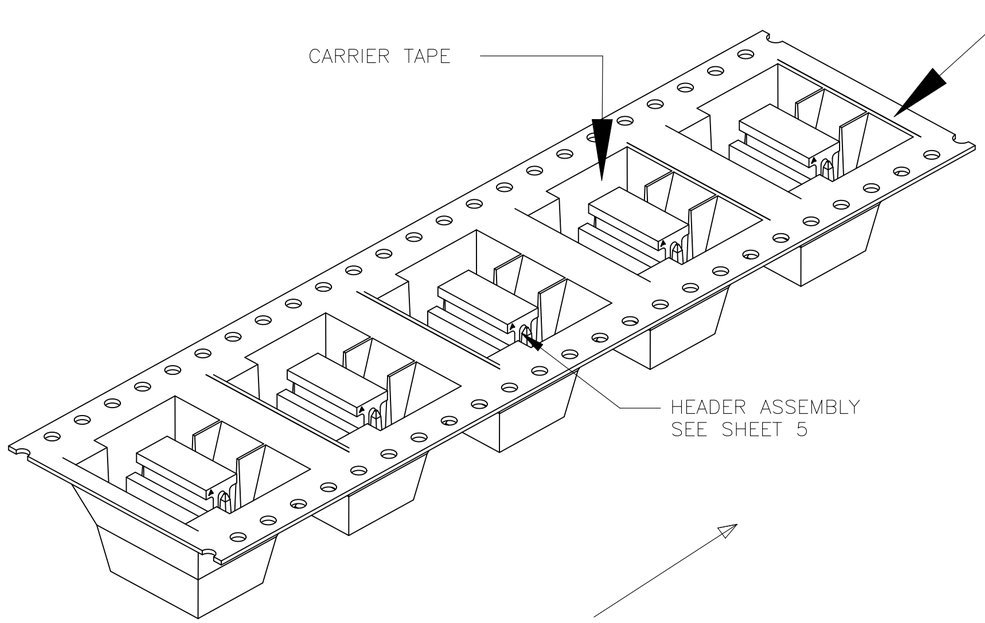
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—









24.00 [0.945]	972366-3	1706504-3	147117-5	3	3-647168-3	3-1744163-3
DIM "A"	COVER TAPE	CARRIER TAPE	PICK & PLACE CAP	NO. OF POSITIONS	HEADER ASSEMBLY	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .015
4 PLC ± –
ANGLES ± 1°

MATERIAL –

FINISH –

DWN jr ruth 30MAR11
CHK SAM MACE 30MAR11
APVD SAM MACE 30MAR11
PRODUCT SPEC 108-1050
APPLICATION SPEC 114-1019
WEIGHT

TE Connectivity Ltd.

NAME MTA-100 HEADER ASSY, SURFACE MOUNT, FRICTION LOCK, TAPE LOADED W/CAP –

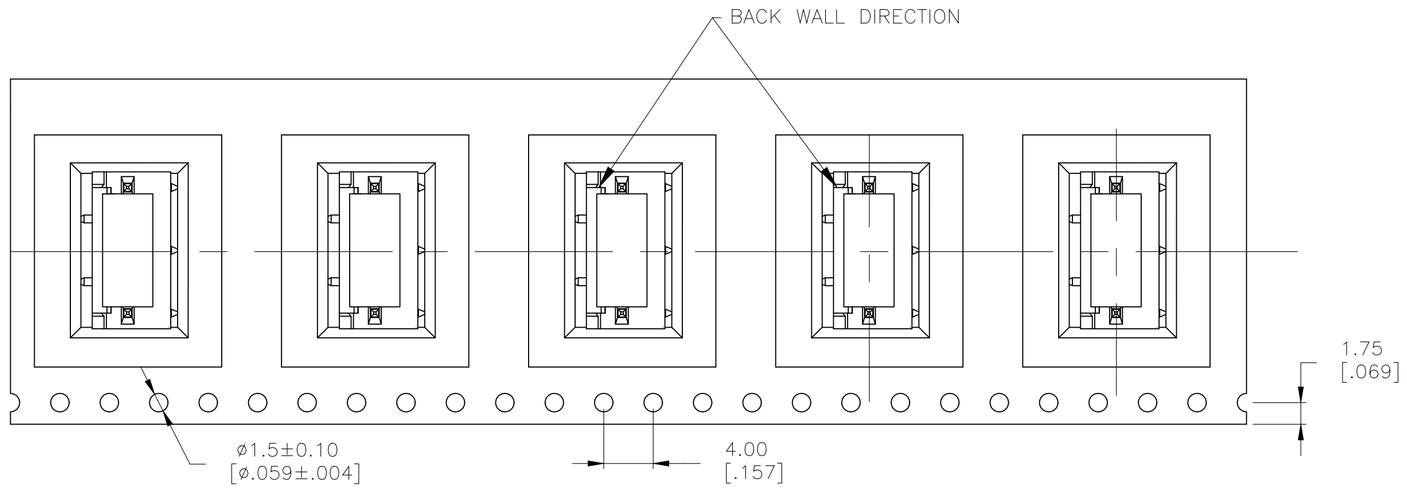
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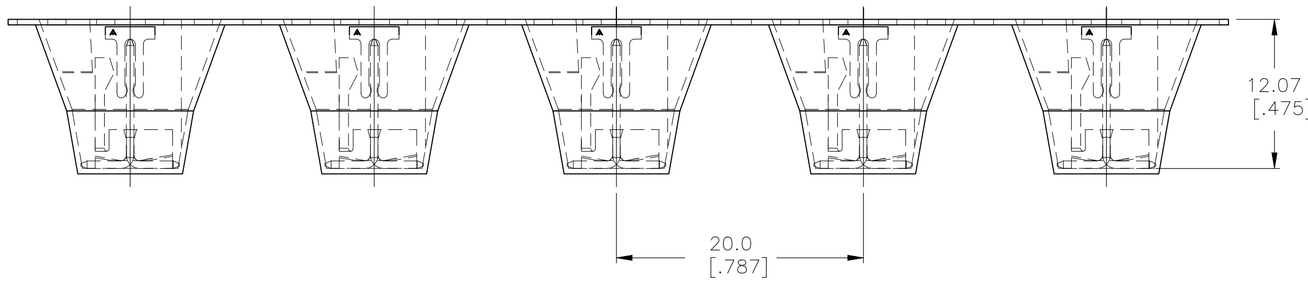
CUSTOMER DRAWING | SCALE 3:1 | SHEET 3 OF 7 | REV C1

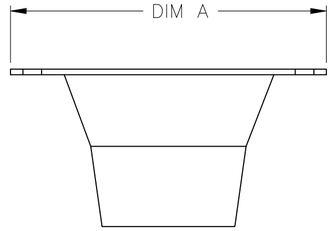
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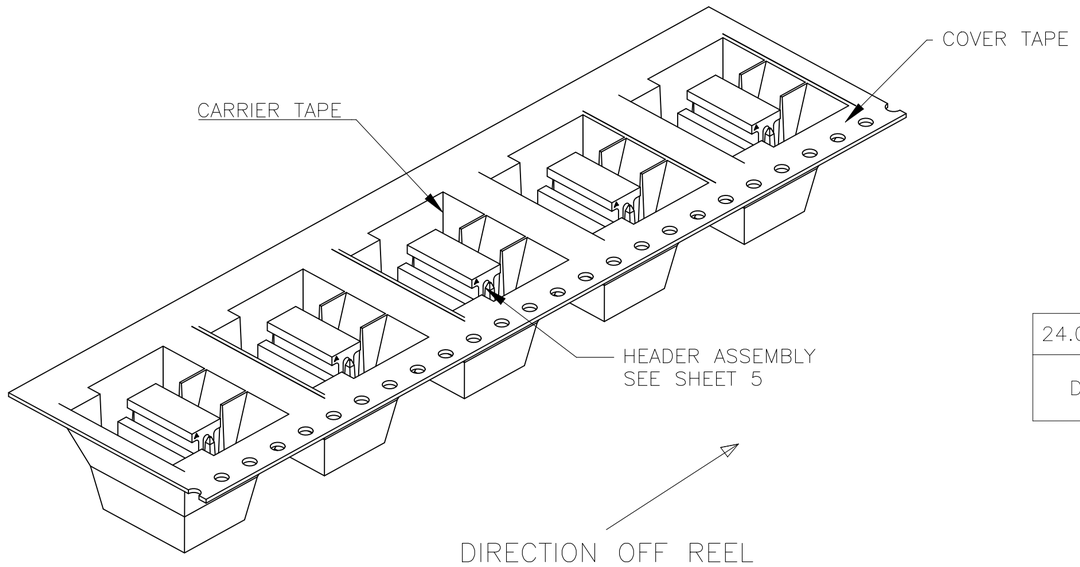
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—









24.00 [.945]	972366-3	1706504-2	147117-5	2	3-647168-2	3-1744163-2
DIM "A"	COVER TAPE	CARRIER TAPE	PICK & PLACE CAP	NO. OF POSITIONS	HEADER ASSEMBLY	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .015
4 PLC ± –
ANGLES ± 1°

MATERIAL –

FINISH –

DWN jr ruth 30MAR11
CHK SAM MACE 30MAR11
APVD SAM MACE 30MAR11
PRODUCT SPEC 108-1050
APPLICATION SPEC 114-1019
WEIGHT

TE Connectivity Ltd.

NAME MTA-100 HEADER ASSY, SURFACE MOUNT, FRICTION LOCK, TAPE LOADED W/CAP
–

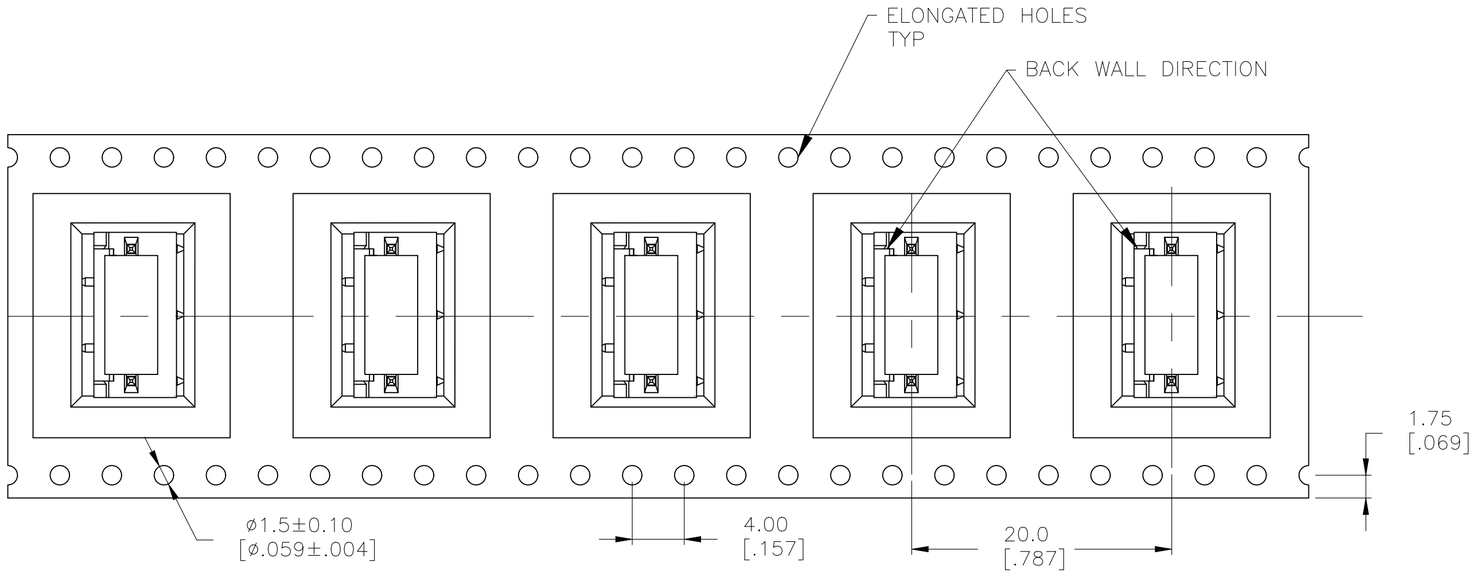
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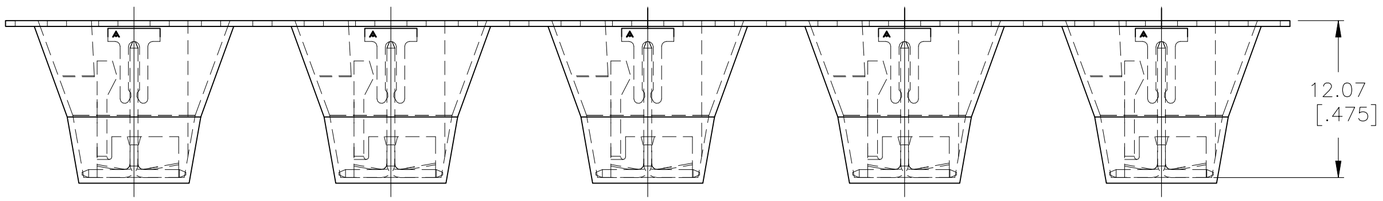
CUSTOMER DRAWING | SCALE 3:1 | SHEET 4 OF 7 | REV C1

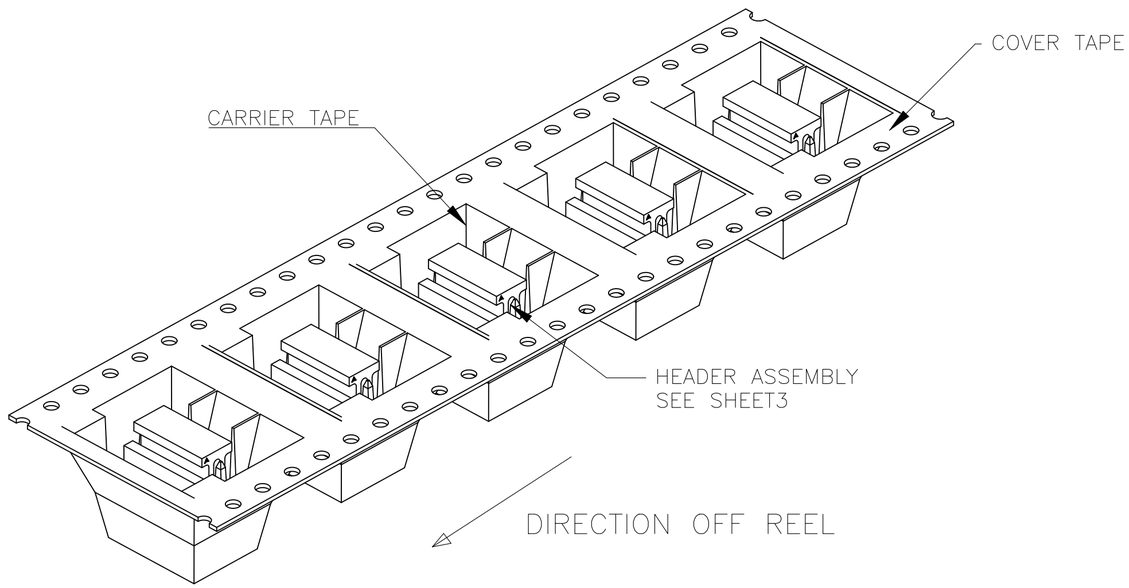
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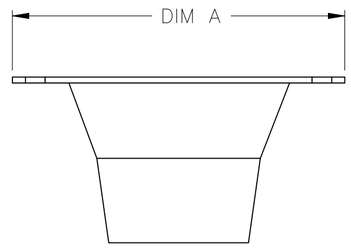
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—









32.00 [1.260]

32.00 [1.260]	5	3-647168-5	3-1744163-5
DIM "A"	NO. OF POSITIONS	HEADER ASSEMBLY	PART NO

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .015
4 PLC ± –
ANGLES ± 1°

MATERIAL –

FINISH –

DWN jr ruth 30MAR11
CHK SAM MACE 30MAR11
APVD SAM MACE 30MAR11
PRODUCT SPEC 108-1050
APPLICATION SPEC 114-1019
WEIGHT

TE Connectivity Ltd.

NAME MTA-100 HEADER ASSY, SURFACE MOUNT, FRICTION LOCK, TAPE LOADED W/CAP
–

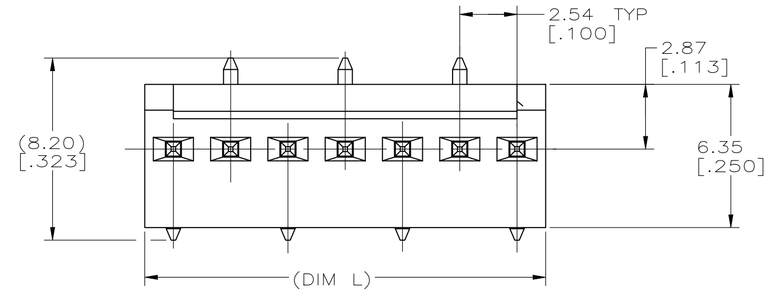
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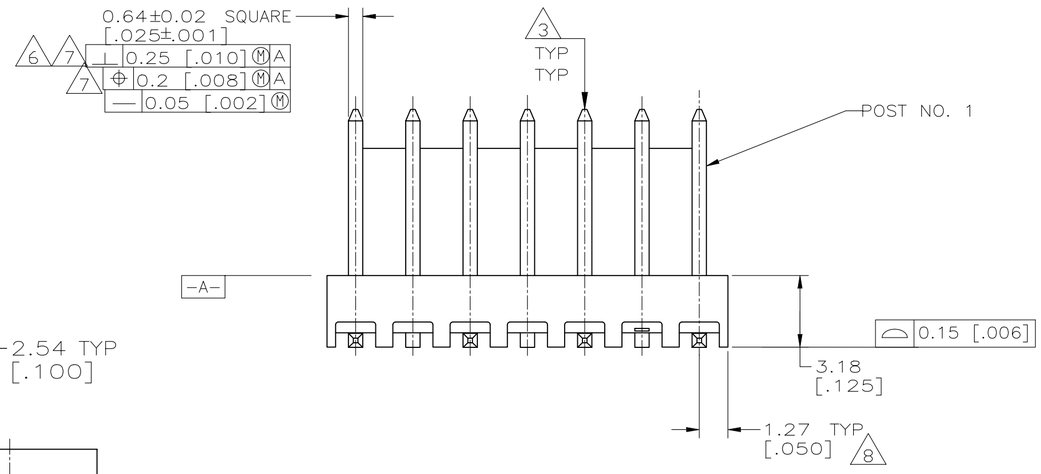
CUSTOMER DRAWING | SCALE 3:1 | SHEET 5 OF 7 | REV C1

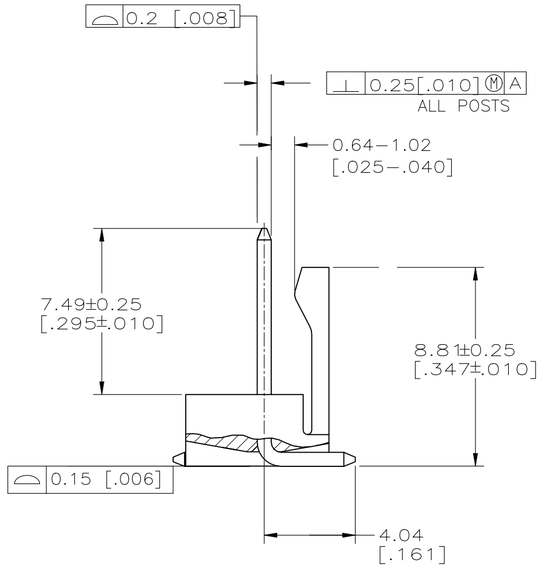
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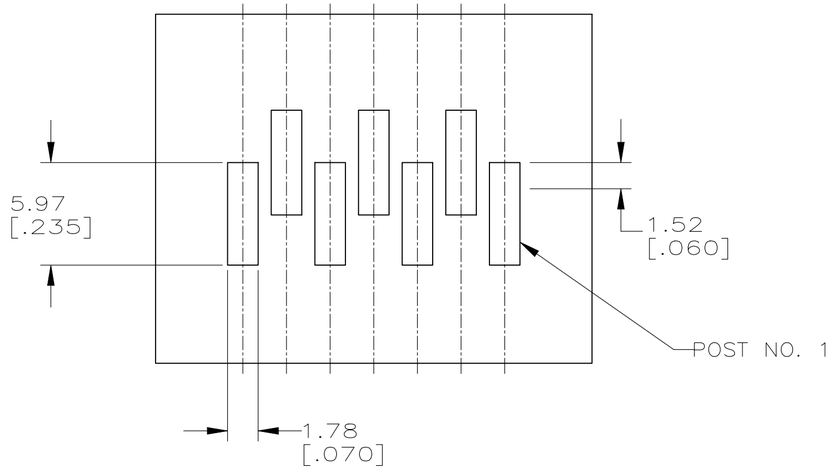
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—









RECOMMENDED P.C. BOARD LAYOUT 9
FOR USE WITH 0.25 [.010] THICK STENCIL
SCALE 5:1

HEADER ASSEMBLY

DIM "L"	NO OF POSITION	HEADER ASSEMBLY	PART NO
12.70 [.500]	5	3–647168–5	3–1744163–5
5.08 [.200]	2	3–647168–2	3–1744163–2
~~17.78 [.700]~~	~~7~~	~~3–647168–7~~	~~3–1744163–7~~
10.16[.400]	4	3–647168–4	3–1744163–4
7.62 [.300]	3	3–647168–3	3–1744163–3

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DIMENSIONS: mm [INCHES]

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± –
3 PLC ± .015
4 PLC ± –
ANGLES ± 1°

MATERIAL –
FINISH –

DWN jr ruth 30MAR11
CHK SAM MACE 30MAR11
APVD SAM MACE 30MAR11
PRODUCT SPEC 108–1050
APPLICATION SPEC 114–1019
WEIGHT

TE Connectivity Ltd.

NAME MTA–100 HEADER ASSY, SURFACE MOUNT, FRICTION LOCK, TAPE LOADED W/CAP
–

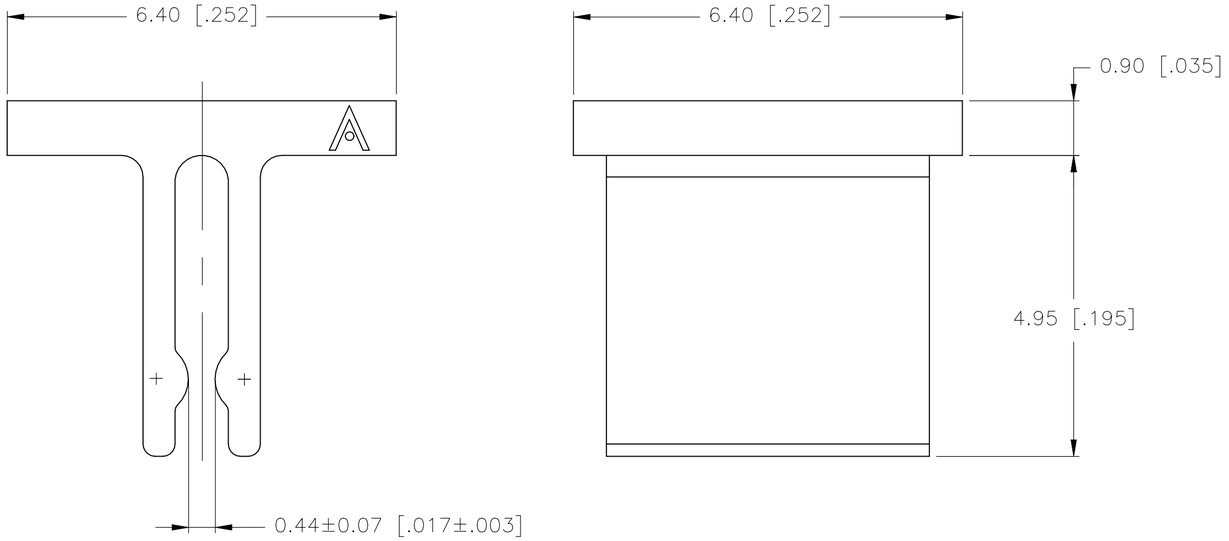
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CUSTOMER DRAWING | SCALE 3:1 | SHEET 6 OF 7 | REV C1

1744163

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



CAP FOR HEADER

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DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± – ; 2 PLC ± 0.40[.015] ; 3 PLC ± – ; 4 PLC ± – ; ANGLES ± 1°	CHK SAM MACE 30MAR11	NAME MTA–100 HEADER ASSY, SURFACE MOUNT, FRICTION LOCK, TAPE LOADED W/CAP –
		APVD SAM MACE 30MAR11	
		PRODUCT SPEC 108–1050	
		APPLICATION SPEC 114–1019	SIZE A2 · CAGE CODE 00779 · DRAWING NO C-1744163 · RESTRICTED TO —
MATERIAL –	FINISH –	WEIGHT	
		CUSTOMER DRAWING	SCALE 3:1 · SHEET 7 OF 7 · REV C1

1744163

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