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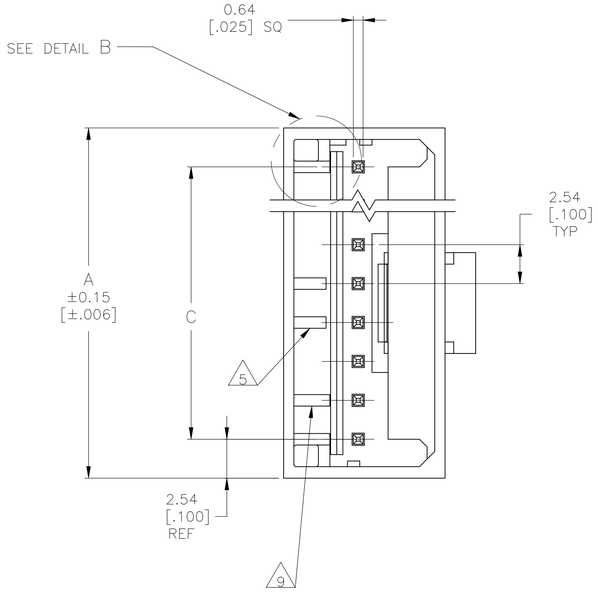
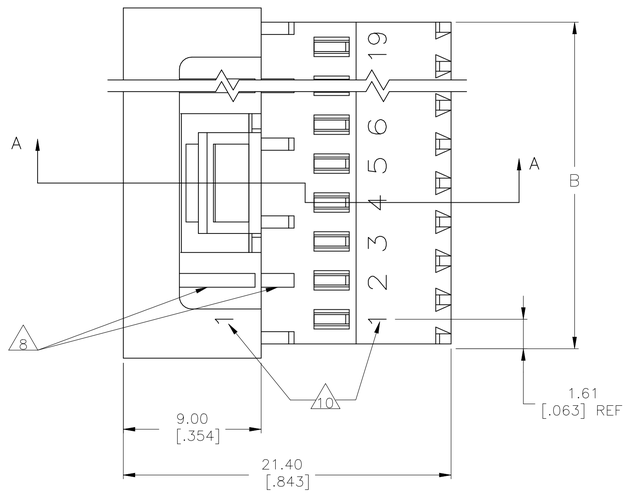
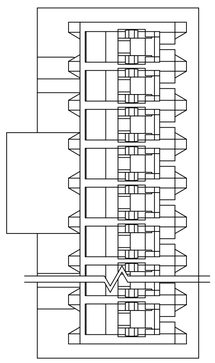
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	N1	REVISED PER ECR-23-181719	06AUG2024	MV	JP







1. MATERIAL:
HOUSING– NYLON UL94V–2 (RED).
CONTACTS– 0.30 [.012] THK COPPER ALLOY
DUAL PLATING : GOLD PLATE AREA, 0.00038 [.000015] GOLD OR 0.00008 [.000003] MIN GOLD FLASH OVER 0.00030 [.000012] PALLADIUM NICKEL, PER TE CONNECTIVITY'S DISCRETION, ONPOST, MATTE TIN 0.00203[.000080] MIN THK 647016–2 THRU 1–647016–9 OR MATTE TIN 0.00203[.000080] MIN THK. FOR 3–647016–2 THRU 4–647016–9 ON WIRE SLOT, WITH NICKEL UNDERPLATE .00127[.000050] MIN THK ALL OVER.

2. CONTACTS ACCEPT 22 AWG (0.3–0.4 mm²) TIN PLATED SOLID,CONCENTRIC FUSED STRANDED, OR CONCENTRIC STRANDED (7 AND 19 STRAND) WIRE WITH 1.52 [.060] MAX INSULATION DIAMETER.

3. MATES WITH STANDARD MTA–100 CONNECTORS:
OF THE SAME CIRCUIT SIZES
WITH SIMILARLY PLATED CONTACTS
WITH POLARIZING TABS–CIRCUIT SIZES 4–19 ONLY
WITHOUT POLARIZING TABS–CIRCUIT SIZES 2 & 3.

DOES NOT MATE WITH MTA–100 CONNECTORS:
WITH POLARIZING TABS–CIRCUIT SIZES 2 & 3 ONLY.
(SEE DETAIL A)
WITH BLOCKED CIRCUITS –ALL CIRCUIT SIZES.
NOT RECOMMENDED FOR MATING WITH MTA–100 CONNECTOR WITHOUT POLARIZING TABS.
CIRCUIT SIZES 4–19.

4. ACCESSORIES:
REPLACEMENT IDC CONTACTS: 647030–2.
COVERS: SEE TABLE

5. QUANTITY OF CENTRALLY POSITIONED RAILS VARIES WITH CIRCUIT SIZE. (SEE TABLE)
LOCATION MAY DIFFER FROM EXAMPLE SHOWN.

6. DIMENSIONS IN BRACKETS ARE IN INCHES.

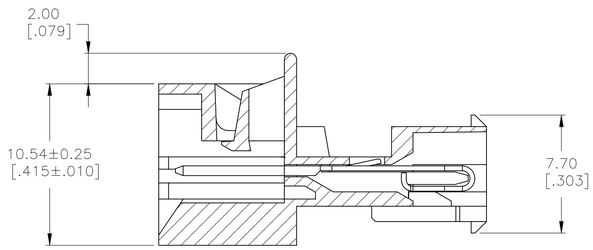
7. SIMILAR SIZED LOCK AND SINGLE TAB USED OR CIRCUITS 4 & 5.

8. QUANTITY OF GUSSET RIBS VARIES WITH CIRCUIT SIZE (SEE TABLE).
LOCATION MAY DIFFER FROM EXAMPLE SHOWN.

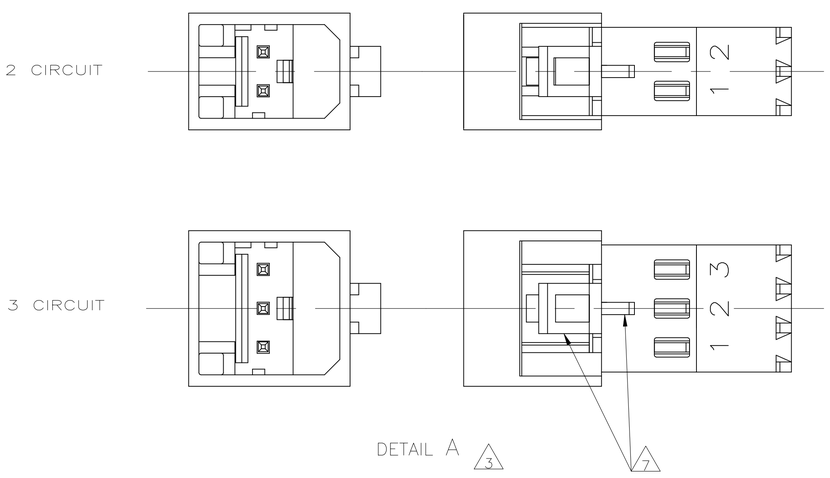
9. INNER END RAIL PAIR NOT PRESENT FOR CIRCUIT SIZES 2 OR 3.

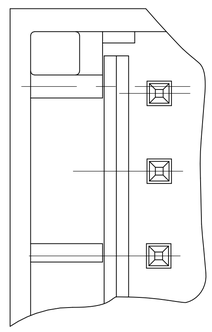
10. CIRCUIT ID MAY APPEAR FULLY NUMBERED OR SHOWING LOCATION 1 ONLY DEPENDING ON CIRCUIT SIZE.

11. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



SECTION A–A





DETAIL B
SCALE 10:1
ALTERNATE CONFIGURATION

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN J. HUFFMAN 31MAR97	TE Connectivity Ltd.	
	CHK R. SWING 31MAR97		
DIMENSIONS: mm [INCHES]	APVD R. WILSON 01APR97	NAME MTA–100 POSTED CONNECTOR ASSEMBLY, CLOSED END, 22 AWG, .000015 GOLD	
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± 0.20 [.007] 3 PLC ± – 4 PLC ± – ANGLES ± –	PRODUCT SPEC —		
	APPLICATION SPEC —	SIZE A1 / CAGE CODE 00779 / DRAWING NO C-647016	RESTRICTED TO —
MATERIAL 1 / FINISH 1	WEIGHT –	SCALE 5:1 / SHEET 1 OF 2	REV N1
	CUSTOMER DRAWING		

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

	1–640642–9	1–643077–9	4	2	45.72	1.800	48.95	1.927	50.80	2.000	19	4–647016–9
	1–640642–8	1–643077–8	4	2	43.18	1.700	46.41	1.827	48.26	1.900	18	4–647016–8
	1–640642–7	1–643077–7	4	2	40.64	1.600	43.87	1.727	45.72	1.800	17	4–647016–7
	1–640642–6	1–643077–6	4	2	38.10	1.500	41.33	1.627	43.18	1.700	16	4–647016–6
	1–640642–5	1–643077–5	4	2	35.56	1.400	38.79	1.527	40.64	1.600	15	4–647016–5
	1–640642–4	1–643077–4	4	2	33.02	1.300	36.25	1.427	38.10	1.500	14	4–647016–4
	1–640642–3	1–643077–3	4	2	30.48	1.200	33.71	1.327	35.56	1.400	13	4–647016–3
	1–640642–2	1–643077–2	2	1	27.94	1.100	31.17	1.227	33.02	1.300	12	4–647016–2
	1–640642–1	1–643077–1	2	1	25.40	1.000	28.63	1.127	30.48	1.200	11	4–647016–1
	1–640642–0	1–643077–0	2	1	22.86	.900	26.09	1.027	27.94	1.100	10	4–647016–0
	640642–9	643077–9	2	1	20.32	.800	23.55	.927	25.40	1.000	9	3–647016–9
	640642–8	643077–8	2	0	17.78	.700	21.01	.827	22.86	.900	8	3–647016–8
	640642–7	643077–7	0	0	15.24	.600	18.47	.727	20.32	.800	7	3–647016–7
	640642–6	643077–6	0	0	12.70	.500	15.93	.627	17.78	.700	6	3–647016–6
	640642–5	643077–5	0	0	10.16	.400	13.39	.527	15.24	.600	5	3–647016–5
	640642–4	643077–4	0	0	7.62	.300	10.85	.427	12.70	.500	4	3–647016–4
	640642–3	643077–3	0	0	5.08	.200	8.31	.327	10.16	.400	3	3–647016–3
OBSOLETE	–	643077–2	0	0	2.54	.100	5.77	.227	7.62	.300	2	~~3–647016–2~~
	1–640642–9	1–643077–9	4	2	45.72	1.800	48.95	1.927	50.80	2.000	19	1–647016–9
SUPERCEDED	1–640642–8	1–643077–8	4	2	43.18	1.700	46.41	1.827	48.26	1.900	18	1–647016–8
	1–640642–7	1–643077–7	4	2	40.64	1.600	43.87	1.727	45.72	1.800	17	1–647016–7
	1–640642–6	1–643077–6	4	2	38.10	1.500	41.33	1.627	43.18	1.700	16	1–647016–6
	1–640642–5	1–643077–5	4	2	35.56	1.400	38.79	1.527	40.64	1.600	15	1–647016–5
	1–640642–4	1–643077–4	4	2	33.02	1.300	36.25	1.427	38.10	1.500	14	1–647016–4
	1–640642–3	1–643077–3	4	2	30.48	1.200	33.71	1.327	35.56	1.400	13	1–647016–3
	1–640642–2	1–643077–2	2	1	27.94	1.100	31.17	1.227	33.02	1.300	12	1–647016–2
	1–640642–1	1–643077–1	2	1	25.40	1.000	28.63	1.127	30.48	1.200	11	1–647016–1
	1–640642–0	1–643077–0	2	1	22.86	.900	26.09	1.027	27.94	1.100	10	1–647016–0
	640642–9	643077–9	2	1	20.32	.800	23.55	.927	25.40	1.000	9	647016–9
	640642–8	643077–8	2	0	17.78	.700	21.01	.827	22.86	.900	8	647016–8
SUPERCEDED	640642–7	643077–7	0	0	15.24	.600	18.47	.727	20.32	.800	7	647016–7
	640642–6	643077–6	0	0	12.70	.500	15.93	.627	17.78	.700	6	647016–6
	640642–5	643077–5	0	0	10.16	.400	13.39	.527	15.24	.600	5	647016–5
	640642–4	643077–4	0	0	7.62	.300	10.85	.427	12.70	.500	4	647016–4
SUPERCEDED	640642–3	643077–3	0	0	5.08	.200	8.31	.327	10.16	.400	3	647016–3
	–	643077–2	0	0	2.54	.100	5.77	.227	7.62	.300	2	647016–2
	DUST COVER	STRAIN RELIEF COVERS	QTY OF GUSSET RIBS (8)	QTY OF CENTRAL RAILS (5)	MM	IN	MM	IN	MM	IN	NO. OF CIRCUITS	PART NO
	(4) ACCESSORIES				C		B		A			

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

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

MATERIAL (1)

FINISH (1)

DWN J. HUFFMAN 31MAR97
CHK R. SWING 31MAR97
APVD R. WILSON 01APR97

PRODUCT SPEC –

APPLICATION SPEC –

WEIGHT –

CUSTOMER DRAWING

TE Connectivity Ltd.

NAME MTA–100 POSTED CONNECTOR ASSEMBLY, CLOSED END, 22 AWG, .000015 GOLD

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A1	00779	C–647016	–

SCALE 1:1 SHEET 2 OF 2 REV N1