LOC	DIST			REVISIONS			
CM	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			J2	REVISED PER ECO-11-004587	11MAR11	RK	HMR

643814

LEADFREE	DIM A	NO. OF CIRCUITS	PART NO.	
YES	71.12[2.800]	28	5-643814-8	
YES	68.58[2.700]	27	5-643814-7	
YES	66.04[2.600]	26	5-643814-6	
YES	63.50[2.500]	25	5-643814-5	
YES	60.96[2.400]	24	5-643814-4	
YES	58.42[2.300]	23	5-643814-3	
YES	55.88[2.200]	22	5-643814-2	
YES	53.34[2.100]	21	5-643814-1	
YES	50.80[2.000]	20	5-643814-0	
YES	48.26[1.900]	19	4-643814-9	
YES	45.72[1.800]	18	4-643814-8	
YES	43.18[1.700]	17	4-643814-7	
YES	40.64[1.600]	16	4-643814-6	
YES	38.10[1.500]	15	4-643814-5	
YES	35.56[1.400]	14	4-643814-4	
YES	33.02[1.300]	13	4-643814-3	
YES	30.48[1.200]	12	4-643814-2	
YES	27.94[1.100]	11	4-643814-1	
YES	25.40[1.000]	10	4-643814-0	
YES	22.86[.900]	9	3-643814-9	
YES	20.32[.800]	8	3-643814-8	
YES	17.78[.700]	7	3-643814-7	
YES	15.24[.600]	6	3-643814-6	
YES	12.70[.500]	5	3-643814-5	
YES	10.16[.400]	4	3-643814-4	
YES	7.62[.300]	3	3-643814-3	
YES	5.08[.200]	2	3-643814-2	
NO	71.12[2.800]	28	2-643814-8	SUPERSEDED BY 5-643814-8 /7\
NO	68.58[2.700]	27	2-643814-7	SUPERSEDED BY 5-643814-7 /7\
NO	66.04[2.600]	26	2-643814-6	SUPERSEDED BY 5-643814-6 /7\
NO	63.50[2.500]	25	2-643814-5	
NO	60.96[2.400]	24	2-643814-4	SUPERSEDED BY 5-643814-4 /7\
NO	58.42[2.300]	23	2-643814-3	SUPERSEDED BY 5-643814-3 /7\
NO	55.88[2.200]	22	2-643814-2	SUPERSEDED BY 5-643814-2 /7\
NO	53.34[2.100]	21	2-643814-1	SUPERSEDED BY 5-643814-1 /7\
NO	50.80[2.000]	20	2-643814-0	
NO	48.26[1.900]	19	1-643814-9	SUPERSEDED BY 4-643814-9 /7\
NO	45.72[1.800]	18	1-643814-8	
NO	43.18[1.700]	17	1-643814-7	SUPERSEDED BY 4-643814-7 /7\
NO	40.64[1.600]	16	1-643814-6	
NO	38.10[1.500]	15	1-643814-5	
NO	35.56[1.400]	14	1-643814-4	
NO	33.02[1.300]	13	1-643814-3	
NO	30.48[1.200]	12	1-643814-2	
NO	27.94[1.100]	11	1-643814-1	
NO	25.40[1.000]	10	1-643814-0	
NO	22.86[.900]	9	643814-9	
NO	20.32[.800]	8	643814-8	
NO	17.78[.700]	7	643814-7	
NO	15.24[.600]	6	643814-6	
NO	12.70[.500]	5	643814-5	
NO	10.16[.400]	4	643814-4	
NO	7.62[.300]	3	643814-3	
NO	5.08[.200]	2	643814-2	
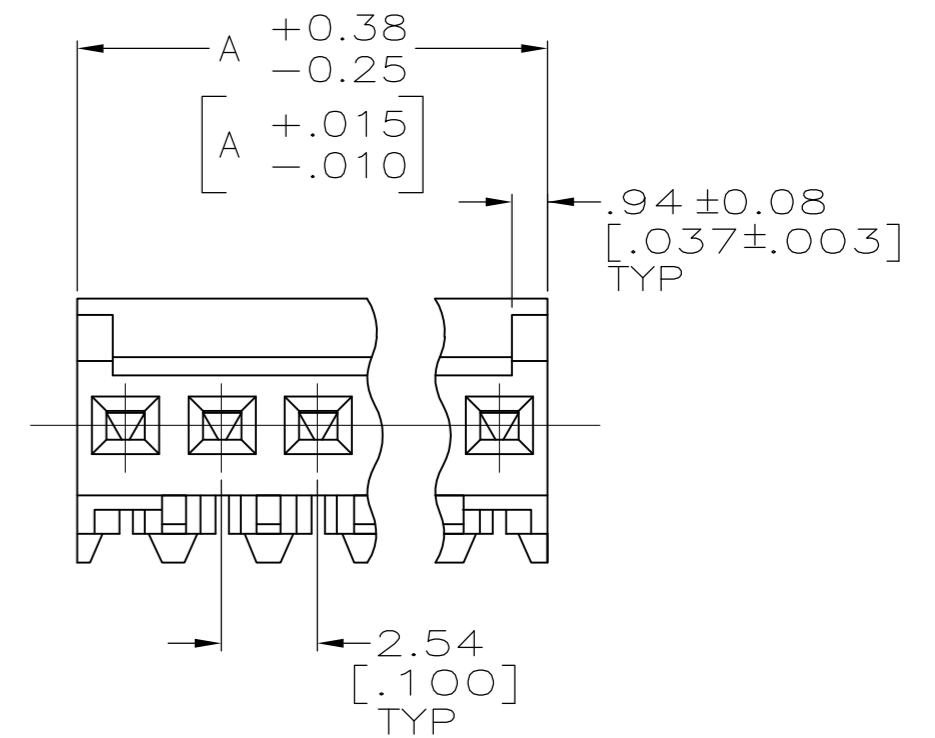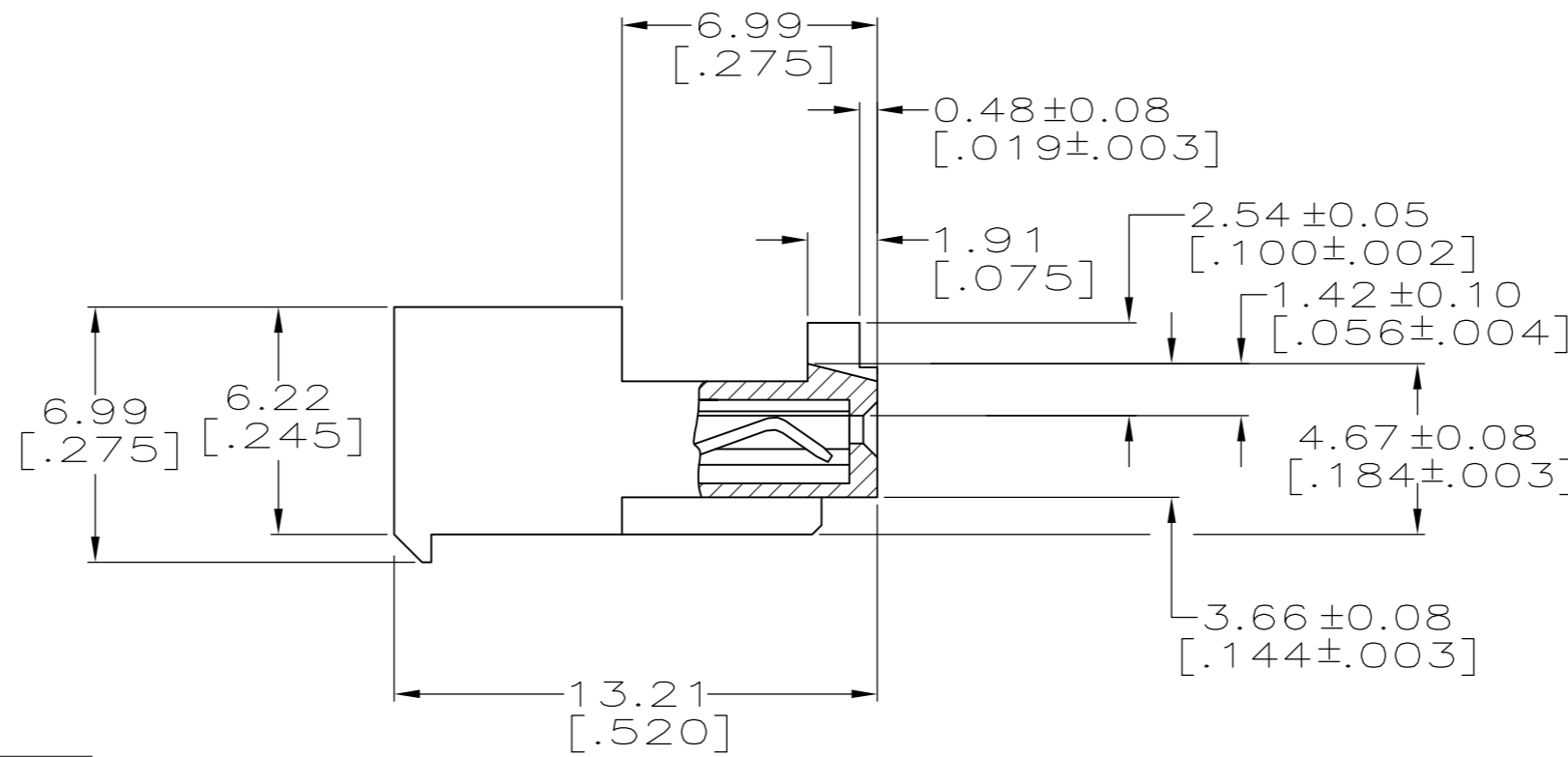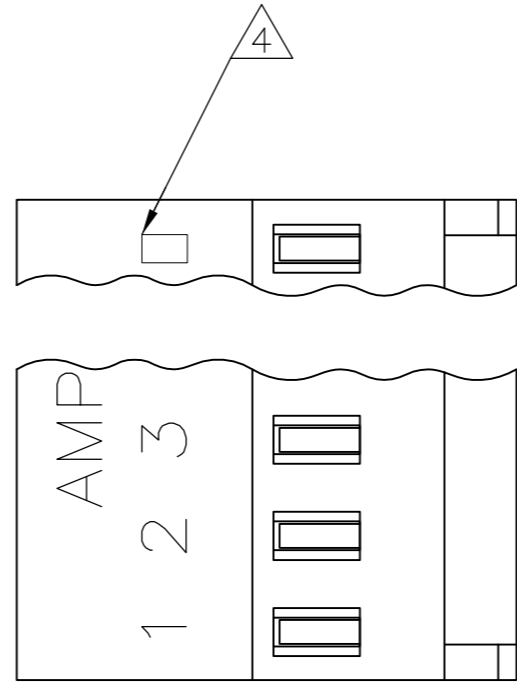
/4\

AMP
1 2 3

6.99 [.275]
0.48±0.08 [.019±.003]
2.54±0.05 [.100±.002]
1.91 [.075]
1.42±0.10 [.056±.004]
6.99 [.275]
6.22 [.245]
4.67±0.08 [.184±.003]
3.66±0.08 [.144±.003]
13.21 [.520]

A +0.38 / -0.25
[A +.015 / -.010]
.94±0.08 [.037±.003] TYP
2.54 [.100] TYP

/1\ MATERIAL: CONNECTOR – NYLON UL94V-2 (WHITE).
CONTACTS – 0.30[.012] THICK COPPER ALLOY
BRIGHT TIN-LEAD .00203[.000080] MIN THICKNESS
FOR 643814-2 THRU 2-643814-8.
MATTE WHISKER MITIGATED TIN .00203[.000080] MIN THICKNESS
OVER NICKEL UNDERPLATE FOR 3-643814-2 THRU 5-643814-8.

2. CONTACTS ACCEPT 24 AWG WIRE WITH 1.52[.060] MAX
INSULATION DIAMETER.

3. CONTACTS MUST ACCEPT 0.64±0.03[.025]
POST AND REMAIN LOCKED IN POSITION.

/4\ IDENTIFICATION NUMBER FOR LAST CIRCUIT MAY
NOT APPEAR ON ALL ASSEMBLIES.

5. DIMENSIONS IN BRACKETS ARE IN INCHES.

6. HOUSING FEATURES ARE: CLOSED END WITH
LOCKING RAMP AND WITH POLARIZING TAB.

/7\ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING
PER D.RENAUD/D.SINISI

THIS DRAWING IS A CONTROLLED DOCUMENT.	DWN S. CARPENTER	11JUN2003		
	CHK D. BOSSI	11JUN2003	≡TE	TE Connectivity
DIMENSIONS: mm [INCHES]	APVD D. BOSSI	11JUN2003	NAME	
TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC 108-1050		MTA-100 CONNECTOR ASSEMBLY, 24 AWG, STANDARD	
0 PLC ± / 1 PLC ± / 2 PLC ± / 3 PLC ± 0.13 [.005] / 4 PLC ± / ANGLES ±	APPLICATION SPEC 114-1019			
MATERIAL /1\ FINISH /1\	WEIGHT		SIZE A2 / CAGE CODE 00779 / DRAWING NO C-643814	RESTRICTED TO —
	CUSTOMER DRAWING		SCALE 5:1 / SHEET 1 of 1	REV J2

METRIC

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[TE Connectivity](#):
  [3-643814-8](#)