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LOC		DIST		REVISIONS					
CM		00		P	LTR	DESCRIPTION	DATE	DWN	APVD
				K		REVISED PER ECR-20-000541	15MAY2020	PC	SW

1 MATERIAL: CONNECTOR - NYLON UL94V-2 (RED) .  
 CONTACTS - 0.30[.012] THICK COPPER ALLOY BRIGHT  
 TIN-LEAD .00203[.000080] MIN THICKNESS FOR 643813-2  
 THRU 2-643813-8. MATTE WHISKER MITIGATED TIN .00203[.000080] MIN  
 THICKNESS OVER NICKEL UNDERPLATE FOR 3-643813-2 THRU 5-643813-8.

2 CONTACTS ACCEPT 22 AWG WIRE WITH 1.52[.060] MAX  
 INSULATION DIAMETER.

3 CONTACTS MUST ACCEPT 0.64±0.03[.025±.001]  
 POST AND REMAIN LOCKED IN POSITION.

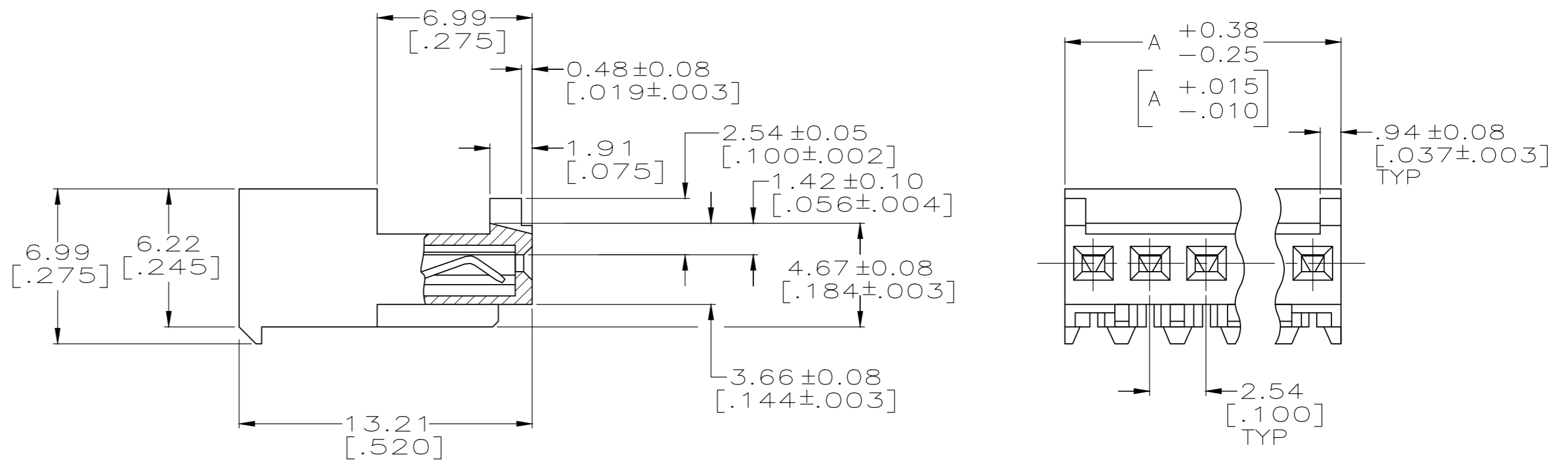
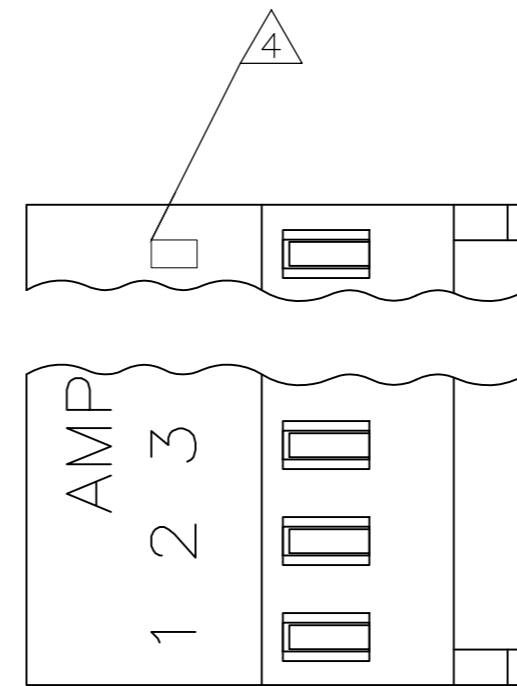
4 IDENTIFICATION NUMBER FOR LAST CIRCUIT MAY  
 NOT APPEAR ON ALL ASSEMBLIES.

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

8 OBSOLETE PARTS



LEADFREE	DIM A	NO. OF CIRCUITS	PART NO.	
YES	71.12[2.800]	28	5-643813-8	
YES	68.58[2.700]	27	5-643813-7	
YES	66.04[2.600]	26	5-643813-6	
YES	63.50[2.500]	25	5-643813-5	
YES	60.96[2.400]	24	5-643813-4	
YES	58.42[2.300]	23	5-643813-3	
YES	55.88[2.200]	22	5-643813-2	
YES	53.34[2.100]	21	5-643813-1	
YES	50.80[2.000]	20	5-643813-0	
YES	48.26[1.900]	19	4-643813-9	
YES	45.72[1.800]	18	4-643813-8	
YES	43.18[1.700]	17	4-643813-7	
YES	40.64[1.600]	16	4-643813-6	
YES	38.10[1.500]	15	4-643813-5	
YES	35.56[1.400]	14	4-643813-4	
YES	33.02[1.300]	13	4-643813-3	
YES	30.48[1.200]	12	4-643813-2	
YES	27.94[1.100]	11	4-643813-1	
YES	25.40[1.000]	10	4-643813-0	
YES	22.86[.900]	9	3-643813-9	
YES	20.32[.800]	8	3-643813-8	
YES	17.78[.700]	7	3-643813-7	
YES	15.24[.600]	6	3-643813-6	
YES	12.70[.500]	5	3-643813-5	
YES	10.16[.400]	4	3-643813-4	
YES	7.62[.300]	3	3-643813-3	
YES	5.08[.200]	2	3-643813-2	
NO	71.12[2.800]	28	2-643813-8	SUPERSEDED BY 5-643813-8
NO	68.58[2.700]	27	2-643813-7	SUPERSEDED BY 5-643813-7
NO	66.04[2.600]	26	2-643813-6	OBSOLETE
NO	63.50[2.500]	25	2-643813-5	SUPERSEDED BY 5-643813-5
NO	60.96[2.400]	24	2-643813-4	SUPERSEDED BY 5-643813-4
NO	58.42[2.300]	23	2-643813-3	SUPERSEDED BY 5-643813-3
NO	55.88[2.200]	22	2-643813-2	SUPERSEDED BY 5-643813-2
NO	53.34[2.100]	21	2-643813-1	SUPERSEDED BY 5-643813-1
NO	50.80[2.000]	20	2-643813-0	SUPERSEDED BY 5-643813-0
NO	48.26[1.900]	19	1-643813-9	SUPERSEDED BY 4-643813-9
NO	45.72[1.800]	18	1-643813-8	SUPERSEDED BY 4-643813-8
NO	43.18[1.700]	17	1-643813-7	SUPERSEDED BY 4-643813-7
NO	40.64[1.600]	16	1-643813-6	SUPERSEDED BY 4-643813-6
NO	38.10[1.500]	15	1-643813-5	SUPERSEDED BY 4-643813-5
NO	35.56[1.400]	14	1-643813-4	SUPERSEDED BY 4-643813-4
NO	33.02[1.300]	13	1-643813-3	SUPERSEDED BY 4-643813-3
NO	30.48[1.200]	12	1-643813-2	SUPERSEDED BY 4-643813-2
NO	27.94[1.100]	11	1-643813-1	SUPERSEDED BY 4-643813-1
NO	25.40[1.000]	10	1-643813-0	SUPERSEDED BY 4-643813-0
NO	22.86[.900]	9	-643813-9	SUPERSEDED BY 3-643813-9
NO	20.32[.800]	8	-643813-8	SUPERSEDED BY 3-643813-8
NO	17.78[.700]	7	-643813-7	SUPERSEDED BY 3-643813-7
NO	15.24[.600]	6	-643813-6	SUPERSEDED BY 3-643813-6
NO	12.70[.500]	5	-643813-5	SUPERSEDED BY 3-643813-5
NO	10.16[.400]	4	-643813-4	SUPERSEDED BY 3-643813-4
NO	7.62[.300]	3	-643813-3	SUPERSEDED BY 3-643813-3
NO	5.08[.200]	2	-643813-2	SUPERSEDED BY 3-643813-2

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S. CARPENTER 11JUN2003		
DIMENSIONS: mm [INCHES]		CHK D. BOSSI 11JUN2003		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D. BOSSI 11JUN2003	NAME MTA 100 CONNECTOR ASSEMBLY, 22 AWG, STANDARD	
0 PLC ±		PRODUCT SPEC 108-1050	SIZE A2	
1 PLC ±		APPLICATION SPEC 114-1019	CAGE CODE 00779	DRAWING NO C=643813
2 PLC ±		WEIGHT	RESTRICTED TO	
3 PLC ± 0.13 [.005]		CUSTOMER DRAWING	SCALE 5:1	SHEET 1 of 1
4 PLC ±			REV K	
ANGLES ±				
MATERIAL 1	FINISH 1			