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LOC

DIST

CM00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	V	REV PER ECO-07-003709	21FEB07	KW	DB
	V1	REVISED PER ECO-10-000443	15JAN10	KK	AEG

YES	71.12	[2.800]	28	5-640443-8
YES	68.58	[2.700]	27	5-640443-7
YES	66.04	[2.600]	26	5-640443-6
YES	63.50	[2.500]	25	5-640443-5
YES	60.96	[2.400]	24	5-640443-4
YES	58.42	[2.300]	23	5-640443-3
YES	55.88	[2.200]	22	5-640443-2
YES	53.34	[2.100]	21	5-640443-1
YES	50.80	[2.000]	20	5-640443-0
YES	48.26	[1.900]	19	4-640443-9
YES	45.72	[1.800]	18	4-640443-8
YES	43.18	[1.700]	17	4-640443-7
YES	40.64	[1.600]	16	4-640443-6
YES	38.10	[1.500]	15	4-640443-5
YES	35.56	[1.400]	14	4-640443-4
YES	33.02	[1.300]	13	4-640443-3
YES	30.48	[1.200]	12	4-640443-2
YES	27.94	[1.100]	11	4-640443-1
YES	25.40	[1.000]	10	4-640443-0
YES	22.86	[.900]	9	3-640443-9
YES	20.32	[.800]	8	3-640443-8
YES	17.78	[.700]	7	3-640443-7
YES	15.24	[.600]	6	3-640443-6
YES	12.70	[.500]	5	3-640443-5
YES	10.16	[.400]	4	3-640443-4
YES	7.62	[.300]	3	3-640443-3
YES	5.08	[.200]	2	3-640443-2
NO	71.12	[2.800]	28	2-640443-8
NO	68.58	[2.700]	27	2-640443-7
NO	66.04	[2.600]	26	2-640443-6
NO	63.50	[2.500]	25	2-640443-5
NO	60.96	[2.400]	24	2-640443-4
NO	58.42	[2.300]	23	2-640443-3
NO	55.88	[2.200]	22	2-640443-2
NO	53.34	[2.100]	21	2-640443-1
NO	50.80	[2.000]	20	2-640443-0
NO	48.26	[1.900]	19	1-640443-9
NO	45.72	[1.800]	18	1-640443-8
NO	43.18	[1.700]	17	1-640443-7
NO	40.64	[1.600]	16	1-640443-6
NO	38.10	[1.500]	15	1-640443-5
NO	35.56	[1.400]	14	1-640443-4
NO	33.02	[1.300]	13	1-640443-3
NO	30.48	[1.200]	12	1-640443-2
NO	27.94	[1.100]	11	1-640443-1
NO	25.40	[1.000]	10	1-640443-0
NO	22.86	[.900]	9	640443-9
NO	20.32	[.800]	8	640443-8
NO	17.78	[.700]	7	640443-7
NO	15.24	[.600]	6	640443-6
NO	12.70	[.500]	5	640443-5
NO	10.16	[.400]	4	640443-4
NO	7.62	[.300]	3	640443-3
NO	5.08	[.200]	2	640443-2
LEADFREE	DIM A	NO. OF CIRCUITS	PART NO.	

7

7

7

SUPERCEDED BY 5-640443-8

SUPERCEDED BY 5-640443-7

SUPERCEDED BY 5-640443-6

SUPERCEDED BY 5-640443-5

SUPERCEDED BY 5-640443-4

SUPERCEDED BY 5-640443-3

SUPERCEDED BY 5-640443-2

SUPERCEDED BY 5-640443-1

SUPERCEDED BY 5-640443-0

SUPERCEDED BY 4-640443-9

SUPERCEDED BY 4-640443-7

AMP

1

2

3

4

6.99
[.275]

6.22
[.245]

13.21
[.520]

6.99
[.275]

1.91
[.075]

1.42±0.10
[.056±.004]

4.67±0.08
[.184±.003]

3.66±0.08
[.144±.003]

A +0.38
-0.25
[A +.015
-.010]

2.54
[.100]
TYP

1

MATERIAL: CONNECTOR – NYLON UL94V-2 (GREEN).
CONTACTS – 0.30[.012] THICK COPPER ALLOY
BRIGHT TIN-LEAD .00203[.000080] MIN THICKNESS
FOR 640443-2 THRU 2-640443-8.
MATTE WHISKER MITIGATED TIN .00203[.000080] MIN THICKNESS OVER
NICKEL UNDERPLATE FOR 3-640443-2 THRU 5-640443-8.

2. CONTACTS ACCEPT 28 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.

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ± 0.13 [.005]

4 PLC ±

ANGLES ±

FINISH 1

MATERIAL 1

CUSTOMER DRAWING

DWN S. CARPENTER 11JUN2003

CHK D. BOSSI 11JUN2003

APVD D. BOSSI 11JUN2003

PRODUCT SPEC 108-1050

APPLICATION SPEC 114-1019

WEIGHT

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME MTA-100 CONNECTOR ASSEMBLY,
28 AWG, STANDARD

SIZE A2 CAGE CODE 00779 DRAWING NO C-640443 RESTRICTED TO -

SCALE 5:1 SHEET 1 OF 1 REV V1

AMP 1471-9 REV 31MAR2000