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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

CM

00

N

REV PER ECO-07-003705

21FEB07

KW

DB

YES

71.12[2.800]

28

5-640441-8

YES

68.58[2.700]

27

5-640441-7

YES

66.04[2.600]

26

5-640441-6

YES

63.50[2.500]

25

5-640441-5

YES

60.96[2.400]

24

5-640441-4

YES

58.42[2.300]

23

5-640441-3

YES

55.88[2.200]

22

5-640441-2

YES

53.34[2.100]

21

5-640441-1

YES

50.80[2.000]

20

5-640441-0

YES

48.26[1.900]

19

4-640441-9

YES

45.72[1.800]

18

4-640441-8

YES

43.18[1.700]

17

4-640441-7

YES

40.64[1.600]

16

4-640441-6

YES

38.10[1.500]

15

4-640441-5

YES

35.56[1.400]

14

4-640441-4

YES

33.02[1.300]

13

4-640441-3

YES

30.48[1.200]

12

4-640441-2

YES

27.94[1.100]

11

4-640441-1

YES

25.40[1.000]

10

4-640441-0

YES

22.86[.900]

9

3-640441-9

YES

20.32[.800]

8

3-640441-8

YES

17.78[.700]

7

3-640441-7

YES

15.24[.600]

6

3-640441-6

YES

12.70[.500]

5

3-640441-5

YES

10.16[.400]

4

3-640441-4

YES

7.62[.300]

3

3-640441-3

YES

5.08[.200]

2

3-640441-2

NO

71.12[2.800]

28

2-640441-8

NO

68.58[2.700]

27

2-640441-7

NO

66.04[2.600]

26

2-640441-6

NO

63.50[2.500]

25

2-640441-5

NO

60.96[2.400]

24

2-640441-4

NO

58.42[2.300]

23

2-640441-3

NO

55.88[2.200]

22

2-640441-2

NO

53.34[2.100]

21

2-640441-1

NO

50.80[2.000]

20

2-640441-0

NO

48.26[1.900]

19

1-640441-9

NO

45.72[1.800]

18

1-640441-8

NO

43.18[1.700]

17

1-640441-7

NO

40.64[1.600]

16

1-640441-6

NO

38.10[1.500]

15

1-640441-5

NO

35.56[1.400]

14

1-640441-4

NO

33.02[1.300]

13

1-640441-3

NO

30.48[1.200]

12

1-640441-2

NO

27.94[1.100]

11

1-640441-1

NO

25.40[1.000]

10

1-640441-0

NO

22.86[.900]

9

640441-9

NO

20.32[.800]

8

640441-8

NO

17.78[.700]

7

640441-7

NO

15.24[.600]

6

640441-6

NO

12.70[.500]

5

640441-5

NO

10.16[.400]

4

640441-4

NO

7.62[.300]

3

640441-3

NO

5.08[.200]

2

640441-2

LEADFREE

DIM A

NO. OF CIRCUITS

PART NO.

AMP

1 2 3

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 (WHITE).
CONTACTS - 0.30[.012] THICK COPPER ALLOY
BRIGHT TIN-LEAD .00203[.000080] MIN THICKNESS
FOR 640441-2 THRU 2-640441-8.
MATTE WHISKER MITIGATED TIN .00203[.000080] MIN THICKNESS
OVER NICKEL UNDERPLATE FOR 3-640441-2 THRU 5-640441-8.

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.

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

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

1

MATERIAL

1

DWN
S. CARPENTER 09JUN2003

CHK
D. BOSSI 09JUN2003

APVD
D. BOSSI 09JUN2003

PRODUCT SPEC
108-1050

APPLICATION SPEC
114-1019

WEIGHT

CUSTOMER DRAWING

tyco
Electronics

Tyco Electronics Corporation
Harrisburg, PA 17105-3608

NAME

MTA-100 CONNECTOR ASSEMBLY,
24 AWG, STANDARD

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=640441

RESTRICTED TO
-

SCALE
5:1

SHEET
1 of 1

REV
N

AMP 1471-9 REV 31MAR2000

2D