

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

© COPYRIGHT

BY TYCO ELECTRONICS CORPORATION.

ALL RIGHTS RESERVED.

LOC

DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	G	REV PER ECO-07-003708	21FEB07	KW	DB
	G1	REVISED PER ECO-10-000443	15JAN10	KK	AEG

YES

71.12

[2.800]

28

5-643815-8

YES

68.58

[2.700]

27

5-643815-7

YES

66.04

[2.600]

26

5-643815-6

YES

63.50

[2.500]

25

5-643815-5

YES

60.96

[2.400]

24

5-643815-4

YES

58.42

[2.300]

23

5-643815-3

YES

55.88

[2.200]

22

5-643815-2

YES

53.34

[2.100]

21

5-643815-1

YES

50.80

[2.000]

20

5-643815-0

YES

48.26

[1.900]

19

4-643815-9

YES

45.72

[1.800]

18

4-643815-8

YES

43.18

[1.700]

17

4-643815-7

YES

40.64

[1.600]

16

4-643815-6

YES

38.10

[1.500]

15

4-643815-5

YES

35.56

[1.400]

14

4-643815-4

YES

33.02

[1.300]

13

4-643815-3

YES

30.48

[1.200]

12

4-643815-2

YES

27.94

[1.100]

11

4-643815-1

YES

25.40

[1.000]

10

4-643815-0

YES

22.86

[.900]

9

3-643815-9

YES

20.32

[.800]

8

3-643815-8

YES

17.78

[.700]

7

3-643815-7

YES

15.24

[.600]

6

3-643815-6

YES

12.70

[.500]

5

3-643815-5

YES

10.16

[.400]

4

3-643815-4

YES

7.62

[.300]

3

3-643815-3

YES

5.08

[.200]

2

3-643815-2

NO

71.12

[2.800]

28

2-643815-8

SUPERSEDED BY 5-643815-8

NO

68.58

[2.700]

27

2-643815-7

SUPERSEDED BY 5-643815-7

NO

66.04

[2.600]

26

2-643815-6

SUPERSEDED BY 5-643815-6

NO

63.50

[2.500]

25

2-643815-5

SUPERSEDED BY 5-643815-5

NO

60.96

[2.400]

24

2-643815-4

NO

58.42

[2.300]

23

2-643815-3

SUPERSEDED BY 5-643815-3

NO

55.88

[2.200]

22

2-643815-2

SUPERSEDED BY 5-643815-2

NO

53.34

[2.100]

21

2-643815-1

SUPERSEDED BY 5-643815-1

NO

50.80

[2.000]

20

2-643815-0

NO

48.26

[1.900]

19

1-643815-9

SUPERSEDED BY 4-643815-9

NO

45.72

[1.800]

18

1-643815-8

SUPERSEDED BY 4-643815-8

NO

43.18

[1.700]

17

1-643815-7

NO

40.64

[1.600]

16

1-643815-6

NO

38.10

[1.500]

15

1-643815-5

SUPERSEDED BY 4-643815-5

NO

35.56

[1.400]

14

1-643815-4

NO

33.02

[1.300]

13

1-643815-3

SUPERSEDED BY 4-643815-3

NO

30.48

[1.200]

12

1-643815-2

SUPERSEDED BY 4-643815-2

NO

27.94

[1.100]

11

1-643815-1

NO

25.40

[1.000]

10

1-643815-0

NO

22.86

[.900]

9

643815-9

NO

20.32

[.800]

8

643815-8

NO

17.78

[.700]

7

643815-7

NO

15.24

[.600]

6

643815-6

NO

12.70

[.500]

5

643815-5

NO

10.16

[.400]

4

643815-4

NO

7.62

[.300]

3

643815-3

NO

5.08

[.200]

2

643815-2

LEADFREE

DIM A

NO. OF CIRCUITS

PART NO.

AMP

1

2

3

1

2

3

4

6.99
[.275]

6.22
[.245]

6.99
[.275]

0.48±0.08
[.019±.003]

1.91
[.075]

2.54±0.05
[.100±.002]

1.42±0.10
[.056±.004]

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 (BLUE).
CONTACTS - 0.30[.012] THICK COPPER ALLOY
BRIGHT TIN-LEAD .00203[.000080] MIN THICKNESS
FOR 643815-2 THRU 2-643815-8.
MATTE WHISKER MITIGATED TIN .00203[.000080] MIN THICKNESS
OVER NICKEL UNDERPLATE FOR 3-643815-2 THRU 5-643815-8.

2.

CONTACTS ACCEPT 26 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

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ± 0.13 [.005]
4 PLC ±
ANGLES ±
FINISH 1

MATERIAL 1

DWN
S. CARPENTER 11JUN2003

CHK
D. BOSSI 11JUN2003

APVD
D. BOSSI 11JUN2003

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,
26 AWG, STANDARD

SIZE
A2

CAGE CODE
00779

DRAWING NO
C=643815

RESTRICTED TO
-

SCALE
5:1

SHEET
1 of 1

REV
G1

643815

AMP 1471-9 REV 31MAR2000