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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

CM

00

N

REVISED PER ECR-20-000727

22MAY2020

PC

SW

1

MATERIAL: CONNECTOR - NYLON UL94V-2 (GREEN).
CONTACTS - 0.30[.012] THICK COPPER ALLOY
BRIGHT TIN-LEAD .00203[.000080] MIN THICKNESS
FOR 643816-2 THRU 2-643816-8.
MATTE WHISKER MITIGATED TIN .00203[.000080] MIN
THICKNESS OVER NICKEL UNDERPLATE FOR 3-643816-2
THRU 5-643816-8.

2

CONTACTS ACCEPT 28 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

YES

71.12[2.800]

28

5-643816-8

YES

68.58[2.700]

27

5-643816-7

YES

66.04[2.600]

26

5-643816-6

YES

63.50[2.500]

25

5-643816-5

YES

60.96[2.400]

24

5-643816-4

YES

58.42[2.300]

23

5-643816-3

YES

55.88[2.200]

22

5-643816-2

YES

53.34[2.100]

21

5-643816-1

YES

50.80[2.000]

20

5-643816-0

YES

48.26[1.900]

19

4-643816-9

YES

45.72[1.800]

18

4-643816-8

YES

43.18[1.700]

17

4-643816-7

YES

40.64[1.600]

16

4-643816-6

YES

38.10[1.500]

15

4-643816-5

YES

35.56[1.400]

14

4-643816-4

YES

33.02[1.300]

13

4-643816-3

YES

30.48[1.200]

12

4-643816-2

YES

27.94[1.100]

11

4-643816-1

YES

25.40[1.000]

10

4-643816-0

YES

22.86[.900]

9

3-643816-9

YES

20.32[.800]

8

3-643816-8

YES

17.78[.700]

7

3-643816-7

YES

15.24[.600]

6

3-643816-6

YES

12.70[.500]

5

3-643816-5

YES

10.16[.400]

4

3-643816-4

YES

7.62[.300]

3

3-643816-3

YES

5.08[.200]

2

3-643816-2

NO

71.12[2.800]

28

2-643816-8

SUPERCEDED

7

NO

68.58[2.700]

27

2-643816-7

SUPERCEDED

7

NO

66.04[2.600]

26

2-643816-6

SUPERCEDED

7

NO

63.50[2.500]

25

2-643816-5

SUPERCEDED

7

NO

60.96[2.400]

24

2-643816-4

SUPERCEDED

7

NO

58.42[2.300]

23

2-643816-3

SUPERCEDED

7

NO

55.88[2.200]

22

2-643816-2

SUPERCEDED

7

NO

53.34[2.100]

21

2-643816-1

SUPERCEDED

7

NO

50.80[2.000]

20

2-643816-0

SUPERCEDED

7

NO

48.26[1.900]

19

1-643816-9

SUPERCEDED

7

NO

45.72[1.800]

18

1-643816-8

SUPERCEDED

7

NO

43.18[1.700]

17

1-643816-7

SUPERCEDED

7

NO

40.64[1.600]

16

1-643816-6

SUPERCEDED

7

NO

38.10[1.500]

15

1-643816-5

SUPERCEDED

8

NO

35.56[1.400]

14

1-643816-4

SUPERCEDED

8

NO

33.02[1.300]

13

1-643816-3

SUPERCEDED

7

NO

30.48[1.200]

12

1-643816-2

SUPERCEDED

8

NO

27.94[1.100]

11

1-643816-1

SUPERCEDED

8

NO

25.40[1.000]

10

1-643816-0

SUPERCEDED

8

NO

22.86[.900]

9

643816-9

SUPERCEDED

7

NO

20.32[.800]

8

643816-8

SUPERCEDED

8

NO

17.78[.700]

7

643816-7

SUPERCEDED

8

NO

15.24[.600]

6

643816-6

SUPERCEDED

8

NO

12.70[.500]

5

643816-5

SUPERCEDED

8

NO

10.16[.400]

4

643816-4

SUPERCEDED

8

NO

7.62[.300]

3

643816-3

SUPERCEDED

8

NO

5.08[.200]

2

643816-2

SUPERCEDED

8

LEADFREE

DIM A

NO. OF CIRCUITS

PART NO.

4

3

2

1

AMP

1

2

3

6.99
[.275]

6.22
[.245]

13.21
[.520]

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]

A

+0.38
-0.25

A

+0.015
-0.010

.94±0.08
[.037±.003]
TYP

2.54
[.100]
TYP

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ± 0.13 [0.005]

4 PLC ±

ANGLES ±

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

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

TE

TE Connectivity

NAME

MTA 100 CONNECTOR ASSEMBLY,
28 AWG, STANDARD

SIZE
A2

CAGE CODE
00779

DRAWING NO
643816

RESTRICTED TO
-

SCALE
5:1

SHEET
1 of 1

REV
N

1471-9 (3/11)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-643816-2](#)