

4

3

2

1

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	J	REVISED PER ECR-20-000725	20MAY2020	PC	SW

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±.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

D

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

C

YES	71.12[2.800]	28	4-643815-8
YES	68.58[2.700]	27	4-643815-7
YES	66.04[2.600]	26	4-643815-6
YES	63.50[2.500]	25	4-643815-5
YES	60.96[2.400]	24	4-643815-4
YES	58.42[2.300]	23	4-643815-3
YES	55.88[2.200]	22	4-643815-2
YES	53.34[2.100]	21	4-643815-1
YES	50.80[2.000]	20	4-643815-0
YES	48.26[1.900]	19	3-643815-9
YES	45.72[1.800]	18	3-643815-8
YES	43.18[1.700]	17	3-643815-7
YES	40.64[1.600]	16	3-643815-6
YES	38.10[1.500]	15	3-643815-5
YES	35.56[1.400]	14	3-643815-4
YES	33.02[1.300]	13	3-643815-3
YES	30.48[1.200]	12	3-643815-2
YES	27.94[1.100]	11	3-643815-1
YES	25.40[1.000]	10	3-643815-0
YES	22.86[.900]	9	2-643815-9
YES	20.32[.800]	8	2-643815-8
YES	17.78[.700]	7	2-643815-7
YES	15.24[.600]	6	2-643815-6
YES	12.70[.500]	5	2-643815-5
YES	10.16[.400]	4	2-643815-4
YES	7.62[.300]	3	2-643815-3
YES	5.08[.200]	2	2-643815-2

B

NO	71.12[2.800]	28	2-643815-8	SUPERSEDED BY 5-643815-8	7
NO	68.58[2.700]	27	2-643815-7	SUPERSEDED BY 5-643815-7	7
NO	66.04[2.600]	26	2-643815-6	SUPERSEDED BY 5-643815-6	7
NO	63.50[2.500]	25	2-643815-5	SUPERSEDED BY 5-643815-5	7
NO	60.96[2.400]	24	2-643815-4	OBSOLETE	7
NO	58.42[2.300]	23	2-643815-3	SUPERSEDED BY 5-643815-3	7
NO	55.88[2.200]	22	2-643815-2	SUPERSEDED BY 5-643815-2	7
NO	53.34[2.100]	21	2-643815-1	SUPERSEDED BY 5-643815-1	7
NO	50.80[2.000]	20	2-643815-0	SUPERSEDED BY 5-643815-0	8
NO	48.26[1.900]	19	1-643815-9	SUPERSEDED BY 4-643815-9	7
NO	45.72[1.800]	18	1-643815-8	SUPERSEDED BY 4-643815-8	7
NO	43.18[1.700]	17	1-643815-7	OBSOLETE	7
NO	40.64[1.600]	16	1-643815-6	SUPERSEDED BY 4-643815-6	8
NO	38.10[1.500]	15	1-643815-5	SUPERSEDED BY 4-643815-5	7
NO	35.56[1.400]	14	1-643815-4	SUPERSEDED BY 4-643815-4	8
NO	33.02[1.300]	13	1-643815-3	SUPERSEDED BY 4-643815-3	7
NO	30.48[1.200]	12	1-643815-2	SUPERSEDED BY 4-643815-2	7
NO	27.94[1.100]	11	1-643815-1	SUPERSEDED BY 4-643815-1	8
NO	25.40[1.000]	10	1-643815-0	SUPERSEDED BY 4-643815-0	8
NO	22.86[.900]	9	643815-9	SUPERSEDED BY 3-643815-9	8
NO	20.32[.800]	8	643815-8	SUPERSEDED BY 3-643815-8	8
NO	17.78[.700]	7	643815-7	SUPERSEDED BY 3-643815-7	8
NO	15.24[.600]	6	643815-6	SUPERSEDED BY 3-643815-6	8
NO	12.70[.500]	5	643815-5	SUPERSEDED BY 3-643815-5	8
NO	10.16[.400]	4	643815-4	SUPERSEDED BY 3-643815-4	8
NO	7.62[.300]	3	643815-3	SUPERSEDED BY 3-643815-3	8
NO	5.08[.200]	2	643815-2	SUPERSEDED BY 3-643815-2	8

A

LEADFREE	DIM A	NO. OF CIRCUITS	PART NO.
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4

3

2

1

AMP

1 2 3

6.99
[.275]

6.22
[.245]

1.91
[.075]

0.48±0.08
[.019±.003]

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm [INCHES]

0 PLC ±

1 PLC ±

2 PLC ±

3 PLC ± 0.13 [005]

4 PLC ±

ANGLES ±

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

1

MATERIAL

1

FINISH

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 Connectivity

NAME
MTA 100 CONNECTOR ASSEMBLY,
26 AWG, STANDARD

SIZE
A2

CAGE CODE
00779

DRAWING NO
643815

RESTRICTED TO
-

SCALE
5:1

SHEET
1 of 1

REV
J

1471-9 (1/15)

Mouser Electronics

Authorized Distributor

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