

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

C

B

A

	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	NO	71.12[2.800]	28	2-643815-8 SUPERSEDED BY 5-643815-8
	NO	68.58[2.700]	27	2-643815-7 SUPERSEDED BY 5-643815-7
	NO	66.04[2.600]	26	2-643815-6 SUPERSEDED BY 5-643815-6
	NO	63.50[2.500]	25	2-643815-5 SUPERSEDED BY 5-643815-5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 OBSOLETE
	NO	58.42[2.300]	23	2-643815-3 SUPERSEDED BY 5-643815-3
	NO	55.88[2.200]	22	2-643815-2 SUPERSEDED BY 5-643815-2
	NO	53.34[2.100]	21	2-643815-1 SUPERSEDED BY 5-643815-1
	NO	50.80[2.000]	20	2-643815-0 SUPERSEDED BY 5-643815-0
	NO	48.26[1.900]	19	1-643815-9 SUPERSEDED BY 4-643815-9
	NO	45.72[1.800]	18	1-643815-8 SUPERSEDED BY 4-643815-8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 OBSOLETE
	NO	40.64[1.600]	16	1-643815-6 SUPERSEDED BY 4-643815-6
	NO	38.10[1.500]	15	1-643815-5 SUPERSEDED BY 4-643815-5
	NO	35.56[1.400]	14	1-643815-4 SUPERSEDED BY 4-643815-4
	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 SUPERSEDED BY 4-643815-1
	NO	25.40[1.000]	10	1-643815-0 SUPERSEDED BY 4-643815-0
	NO	22.86[.900]	9	643815-9 SUPERSEDED BY 3-643815-9
	NO	20.32[.800]	8	643815-8 SUPERSEDED BY 3-643815-8
	NO	17.78[.700]	7	643815-7 SUPERSEDED BY 3-643815-7
	NO	15.24[.600]	6	643815-6 SUPERSEDED BY 3-643815-6
	NO	12.70[.500]	5	643815-5 SUPERSEDED BY 3-643815-5
	NO	10.16[.400]	4	643815-4 SUPERSEDED BY 3-643815-4
	NO	7.62[.300]	3	643815-3 SUPERSEDED BY 3-643815-3
	NO	5.08[.200]	2	643815-2 SUPERSEDED BY 3-643815-2
	LEADFREE	DIM A	NO. OF CIRCUITS	PART NO.

4

3

2

1

1

2

3

AMP

1

2

3

6.99
[.275]

6.22
[.245]

6.99
[.275]

13.21
[.520]

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 +.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 ±

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

TE Connectivity

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 J

1471-9 (1/15)