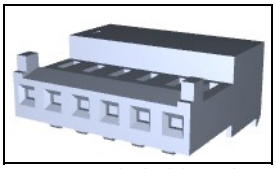
3-643815-6 Product Details



3-643815-6

TE Internal Number: 3-643815-6

Active

View 3D PDF

MTA, CST-100 II, MT-6 and SL Connectors and Headers

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- MTA-100 Product Line
- MTA Series
- Wire-to-Post
- Applies To Wire/Cable
- Connector

View all Features

Quick Links

- Pricing & Availability
- Search for Tooling
- View Mating Products (38)
- Product Feature Selector
- Contact Us About This Product

Add to My Part List | Request Sample | Find Similar Products | Buy Product

Documentation & Additional Information

Product Drawings:
- MTA 100 CONNECTOR ASSEMBLY, 26 AWG, STANDARD (PDF, English)

Catalog Pages/Data Sheets:
- MTA, CST-100 II, SL-156 and AMP Economy Power (EP) C... (PDF, English)

Product Specifications:
- Connector, MTA-100 (PDF, English)

Application Specifications:
- MTA 100 Connector (PDF, English)

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version K)
- 3D Model (IGES, Version K)
- 3D Model (STEP, Version K)

List all Documents

Additional Information:
- Product Line Information

Related Products:
- Tooling
- Mating Products (38)

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Product Line = MTA-100
- Series = MTA
- Product Type = Connector
- Connector Type = Connector Assembly
- Termination Method to Wire/Cable = IDC
- PCB Mount Retention = Without
- PCB Mount Alignment = Without
- Connector Design = Closed End
- Strain Relief = With
- Wire/Cable Type = Discrete Wire
- Sealed = No
- UL File Number = E28476
- CSA File Number = LR7189

Mechanical Attachment:
- Contact Retention = With
- Mating Retention Type = Locking Ramp
- Panel Mount Retention = Without
- Contact Retention Type = Locking Lance

Electrical Characteristics:
- Contact - Rated Current (A) = 5
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 250

Termination Features:
- Wire/Cable Size (mm²) = 0.12 – 0.15
- Wire/Cable Size (AWG) = 26

Body Features:

Housing Features:
- Connector Style = Receptacle
- Centerline (mm [in]) = 2.54 [0.100]
- Housing Style = Standard
- Housing Material = Nylon
- Housing Color = White
- Mating Alignment = With
- Mating Alignment Type = Polarization
- UL Flammability Rating = UL 94V-2

Configuration Features:
- Number of Positions = 6
- Post Number(s) Omitted = None
- Backwall/Post Interruption(s) = Without
- Number of Rows = 1

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- Agency/Standard = CSA, UL
- UL Rating = Recognized
- CSA Rating = Certified

Environmental:
- Operating Temperature (°C [°F]) = -55 – +105 [-67 – +221]

Conditions for Usage:
- Applies To = Wire/Cable
- Accepts Wire Insulation Diameter, Range (mm [in]) = 1.52

- Wire Type = Stranded
- Mating Retention = With
- Cable Exit Angle = 90°
- Underplate Material Thickness (µm [µin]) = 0.762 [30.000]
- Assembly Integration Feature = Without

Contact Features:
- Contact Type = Socket
- Contact Base Material = Copper Alloy
- Contact Plating, Mating Area, Material = Matte Tin
- Contact Layout = In-Line
- Multiple Contact Types = Without
- Contact Plating, Mating Area, Thickness (µm [µin]) = 2.03 – 5.08 [80 – 200]
- Underplate Material = Nickel

[0.060]
- For Use With = MTA .100 Header

Operation/Application:
- Application Use = Wire-to-Post

Packaging Features:
- Packaging Method = Bag
- Packaging Quantity = 500

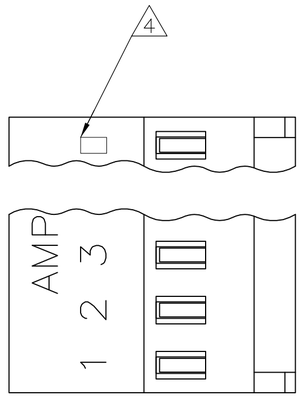
Other:
- Brand = AMP
- Comment = Stripe may run down between ribs

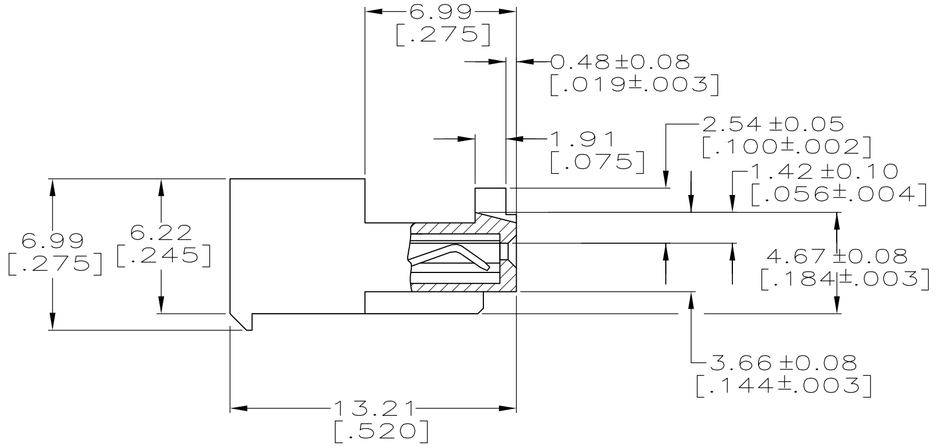
LOC	DIST
CM	00

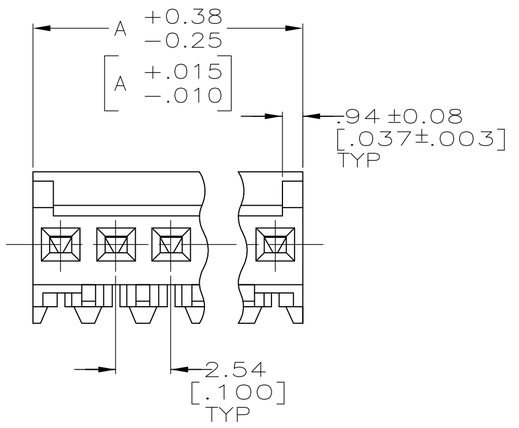
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	H	REVISED PER ECO-12-007492	03AUG12	KH	SM

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 △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
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	
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
NO	40.64[1.600]	16	1-643815-6	
NO	38.10[1.500]	15	~~1-643815-5~~	SUPERSEDED BY 4-643815-5 △7
NO	35.56[1.400]	14	1-643815-4	
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	
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.	







1. MATERIAL: CONNECTOR – NYLON UL94V-2.
   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. BLUE COLOR STRIPE ON HOUSING (NOT SHOWN) MAY RUN DOWN BETWEEN RIBS.

643815

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 ±

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		

TE Connectivity

NAME: MTA 100 CONNECTOR ASSEMBLY, 26 AWG, STANDARD

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-643815	—

CUSTOMER DRAWING | SCALE 5:1 | SHEET 1 OF 1 | REV H