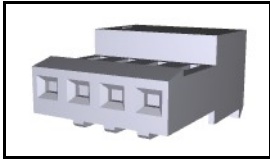


640441-4 Product Details

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640441-4

TE Internal Number: 640441-4

 Active

[View 3D PDF](#)

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

Not EU RoHS or ELV Compliant (Find RoHS Compliant Alternates)

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 \(43\)](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

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Documentation & Additional Information

Product Drawings:

- [MTA-100 CONNECTOR ASSEMBLY, 24 AWG, STANDARD](#) (PDF, English)

Catalog Pages/Data Sheets:

- [MTA, CST-100 II, SL-156 and AMP Economy Power \(EP\) C...](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- [MTA 100 Connector](#) (PDF, English)

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version N)
- [3D Model](#) (IGES, Version N)
- [3D Model](#) (STEP, Version N)

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)
- [Mating Products \(43\)](#)

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

Product Type Features:

- [Product Line](#) = MTA-100
- Product Type = Connector
- Connector Type = Connector Assembly
- PCB Mount Retention = Without
- PCB Mount Alignment = Without
- [Connector Design](#) = Closed End
- Wire/Cable Type = Discrete Wire
- Sealed = No
- CSA File Number = LR7189

Mechanical Attachment:

- Contact Retention = With
- Mating Retention Type = Locking Ramp
- [Panel Mount Retention](#) = Without
- Contact Retention Type = Locking Lance

Housing Features:

- Connector Style = Receptacle
- Centerline (mm [in]) = 2.54 [0.100]
- Housing Style = Standard
- Housing Material = Nylon - GF
- Housing Color = White
- [Mating Alignment](#) = Without

Configuration Features:

- [Number of Positions](#) = 4
- [Backwall/Post Interruption\(s\)](#) = Without
- Strain Relief = With
- Number of Rows = 1

Industry Standards:

- [RoHS/ELV Compliance](#) = Not ELV/RoHS compliant
- [Lead Free Solder Processes](#) = Not relevant for lead

Electrical Characteristics:

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

Termination Features:

- Wire/Cable Size (mm²) = 0.2
- Wire/Cable Size (AWG) = 24
- Termination Method to Wire/Cable = IDC

Body Features:

- Wire Type = Stranded
- Mating Retention = With
- Cable Exit Angle = 90°
- Assembly Integration Feature = Without

Contact Features:

- Contact Type = Socket
- **Contact Base Material** = Copper Alloy
- **Contact Plating, Mating Area, Material** = Bright Tin Lead
- Contact Layout = In-Line
- Multiple Contact Types = Without
- Contact Plating, Mating Area, Thickness (µm [µin]) = 2.03 - 5.08 [80 - 200]

free process

- Agency/Standard = CSA, UL
- UL Rating = Recognized
- CSA Rating = Certified
- UL File Number = E28476
- UL Flammability Rating = UL 94V-2

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 [0.060]
- For Use With = MTA .100 Headers & MTA .100 IDC Posted Connectors

Operation/Application:

- Application Use = Wire-to-Post

Packaging Features:

- Packaging Method = Bag
- Packaging Quantity = 500

Other:

- Series = MTA
- Brand = AMP

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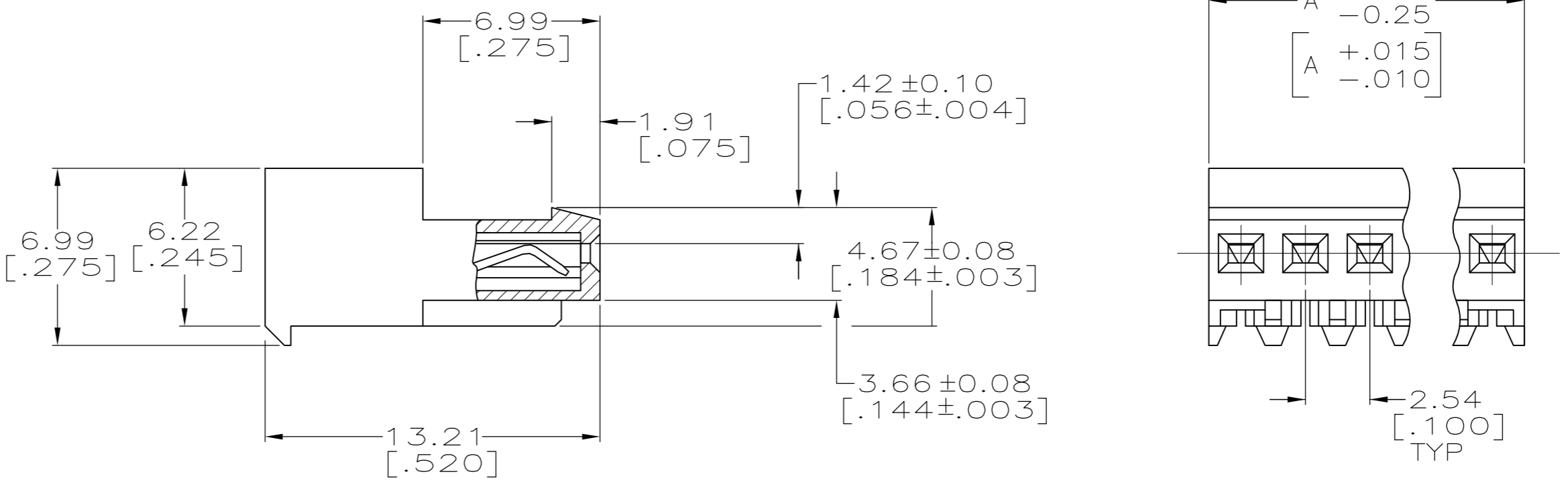
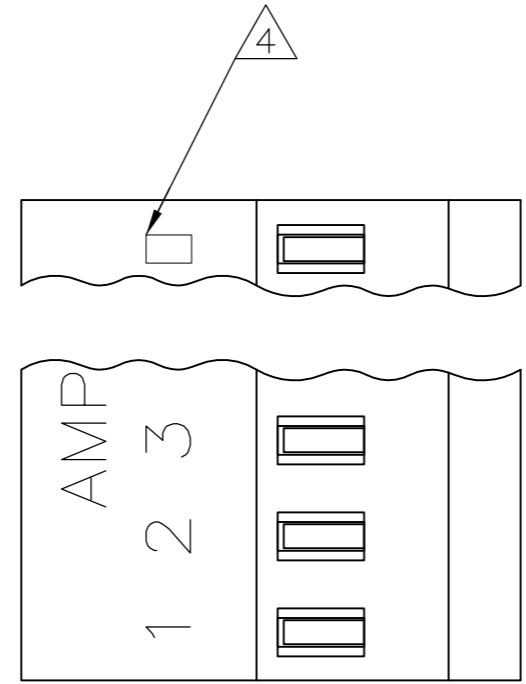
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LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
CM	00	N2	REVISED PER ECO-11-004587	11MAR11	RK HMR

YES	DIM A	NO. OF CIRCUITS	PART NO.
YES	71.12[2.800]	28	5-640441-8
YES	68.58[2.700]	27	5-640441-7
YES	66.04[2.600]	26	5-640441-6
YES	63.50[2.500]	25	5-640441-5
YES	60.96[2.400]	24	5-640441-4
YES	58.42[2.300]	23	5-640441-3
YES	55.88[2.200]	22	5-640441-2
YES	53.34[2.100]	21	5-640441-1
YES	50.80[2.000]	20	5-640441-0
YES	48.26[1.900]	19	4-640441-9
YES	45.72[1.800]	18	4-640441-8
YES	43.18[1.700]	17	4-640441-7
YES	40.64[1.600]	16	4-640441-6
YES	38.10[1.500]	15	4-640441-5
YES	35.56[1.400]	14	4-640441-4
YES	33.02[1.300]	13	4-640441-3
YES	30.48[1.200]	12	4-640441-2
YES	27.94[1.100]	11	4-640441-1
YES	25.40[1.000]	10	4-640441-0
YES	22.86[.900]	9	3-640441-9
YES	20.32[.800]	8	3-640441-8
YES	17.78[.700]	7	3-640441-7
YES	15.24[.600]	6	3-640441-6
YES	12.70[.500]	5	3-640441-5
YES	10.16[.400]	4	3-640441-4
YES	7.62[.300]	3	3-640441-3
YES	5.08[.200]	2	3-640441-2
NO	71.12[2.800]	28	2-640441-8
NO	68.58[2.700]	27	2-640441-7
NO	66.04[2.600]	26	2-640441-6
NO	63.50[2.500]	25	2-640441-5
NO	60.96[2.400]	24	2-640441-4
NO	58.42[2.300]	23	2-640441-3
NO	55.88[2.200]	22	2-640441-2
NO	53.34[2.100]	21	2-640441-1
NO	50.80[2.000]	20	2-640441-0
NO	48.26[1.900]	19	1-640441-9
NO	45.72[1.800]	18	1-640441-8
NO	43.18[1.700]	17	1-640441-7
NO	40.64[1.600]	16	1-640441-6
NO	38.10[1.500]	15	1-640441-5
NO	35.56[1.400]	14	1-640441-4
NO	33.02[1.300]	13	1-640441-3
NO	30.48[1.200]	12	1-640441-2
NO	27.94[1.100]	11	1-640441-1
NO	25.40[1.000]	10	1-640441-0
NO	22.86[.900]	9	640441-9
NO	20.32[.800]	8	640441-8
NO	17.78[.700]	7	640441-7
NO	15.24[.600]	6	640441-6
NO	12.70[.500]	5	640441-5
NO	10.16[.400]	4	640441-4
NO	7.62[.300]	3	640441-3
NO	5.08[.200]	2	640441-2
LEADFREE	DIM A	NO. OF CIRCUITS	PART NO.

SUPERCEDED BY 5-640441-8
 SUPERCEDED BY 5-640441-7
 SUPERCEDED BY 5-640441-6
 SUPERCEDED BY 5-640441-5
 SUPERCEDED BY 5-640441-3
 SUPERCEDED BY 5-640441-1



- 1 MATERIAL: CONNECTOR - NYLON UL94V-2 (WHITE).
 CONTACTS - 0.30[.012] THICK COPPER ALLOY BRIGHT TIN-LEAD .00203[.000080] MIN THICKNESS FOR 640441-2 THRU 2-640441-8.
 MATTE WHISKER MITIGATED TIN .00203[.000080] MIN THICKNESS OVER NICKEL UNDERPLATE FOR 3-640441-2 THRU 5-640441-8.
- 2. CONTACTS ACCEPT 24 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.
- 7 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

METRIC

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S. CARPENTER 09JUN2003	TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK D. BOSSI 09JUN2003		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D. BOSSI 09JUN2003	NAME MTA-100 CONNECTOR ASSEMBLY, 24 AWG, STANDARD	
0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 0.13 [.005] 4 PLC ±		PRODUCT SPEC 108-1050	SIZE A2	
MATERIAL 1		FINISH 1	CAGE CODE 00779	DRAWING NO 640441
			RESTRICTED TO -	REVISION N2
CUSTOMER DRAWING			SCALE 5:1	SHEET 1 of 1