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## 4-640426-2 Product Details

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**4-640426-2**

TE Internal Number: 4-640426-2

Active

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

Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- MTA-156 Product Line
- MTA Series
- Wire-to-Post
- Applies To Wire/Cable
- Connector

[View all Features](#)

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Documentation & Additional Information	
<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">MTA 156 CONNECTOR ASSEMBLY, 18 AWG, STANDARD</a> (PDF, English)</li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">MTA, CST-100 II, SL-156 and AMP Economy Power (EP) C...</a> (PDF, English)</li> </ul> <p><b>Product Specifications:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">System, Connector/Header, MTA 156</a> (PDF, English)</li> </ul> <p><b>Application Specifications:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">MTA 156 Connectors</a> (PDF, English)</li> </ul> <p><b>Instruction Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>CAD Files: (CAD Format &amp; Compression Information)</b></p> <ul style="list-style-type: none"> <li>• <a href="#">2D Drawing</a> (DXF, Version J)</li> <li>• <a href="#">3D Model</a> (IGES, Version J)</li> <li>• <a href="#">3D Model</a> (STEP, Version J)</li> </ul>	<p><b>Additional Information:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Product Line Information</a></li> </ul> <p><b>Related Products:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Tooling</a></li> <li>• <a href="#">Mating Products (35)</a></li> </ul>

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p><b>Product Type Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Product Line</a> = MTA-156</li> <li>• Series = MTA</li> <li>• Product Type = Connector</li> <li>• Connector Type = Connector Assembly</li> <li>• Termination Method to Wire/Cable = IDC</li> <li>• PCB Mount Retention = Without</li> <li>• PCB Mount Alignment = Without</li> <li>• <a href="#">Connector Design</a> = Closed End</li> <li>• Strain Relief = With</li> <li>• Wire/Cable Type = Discrete Wire</li> <li>• Sealed = No</li> <li>• UL File Number = E28476</li> <li>• CSA File Number = LR7189</li> </ul> <p><b>Mechanical Attachment:</b></p> <ul style="list-style-type: none"> <li>• Contact Retention = With</li> <li>• Mating Retention Type = Locking Ramp</li> <li>• <a href="#">Panel Mount Retention</a> = Without</li> <li>• Contact Retention Type = Locking Lance</li> </ul> <p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Contact - Rated Current (A) = 7</li> <li>• Operating Voltage Reference = AC</li> <li>• Operating Voltage (VAC) = 600</li> </ul> <p><b>Termination Features:</b></p> <ul style="list-style-type: none"> <li>• Wire/Cable Size (mm<sup>2</sup>) = 0.8 - 0.9</li> <li>• Wire/Cable Size (AWG) = 18</li> </ul> <p><b>Body Features:</b></p>	<p><b>Housing Features:</b></p> <ul style="list-style-type: none"> <li>• Connector Style = Receptacle</li> <li>• Centerline (mm [in]) = 3.96 [0.156]</li> <li>• Housing Style = Standard</li> <li>• Housing Material = Nylon 6/6</li> <li>• Housing Color = White</li> <li>• <a href="#">Mating Alignment</a> = Without</li> <li>• UL Flammability Rating = UL 94V-2</li> </ul> <p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Number of Positions</a> = 12</li> <li>• <a href="#">Post Number(s) Omitted</a> = None</li> <li>• <a href="#">Backwall/Post Interruption(s)</a> = Without</li> <li>• Number of Rows = 1</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">RoHS/ELV Compliance</a> = RoHS compliant, ELV compliant</li> <li>• <a href="#">Lead Free Solder Processes</a> = Not relevant for lead free process</li> <li>• RoHS/ELV Compliance History = Always was RoHS compliant</li> <li>• Agency/Standard = CSA, UL</li> <li>• UL Rating = Recognized</li> <li>• CSA Rating = Certified</li> </ul> <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>• Operating Temperature (°C [°F]) = -55 - +105 [-67 - +221]</li> </ul> <p><b>Conditions for Usage:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Applies To</a> = Wire/Cable</li> <li>• Accepts Wire Insulation Diameter, Range (mm [in]) = 2.41 [0.095]</li> </ul>

- Wire Type = Stranded
- Mating Retention = With
- Cable Exit Angle = 90°
- Underplate Material Thickness ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 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 ( $\mu\text{m}$  [ $\mu\text{in}$ ]) = 2.03 - 5.08 [80 - 200]
- Underplate Material = Nickel

- For Use With = MTA .156 Header

**Operation/Application:**

- Application Use = Wire-to-Post

**Packaging Features:**

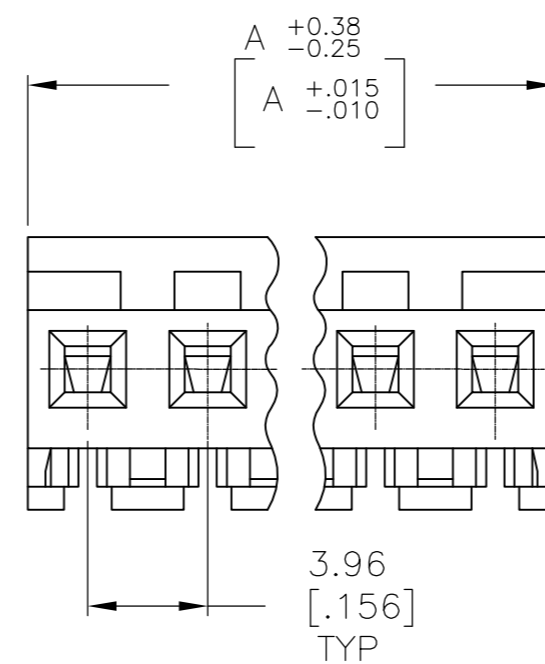
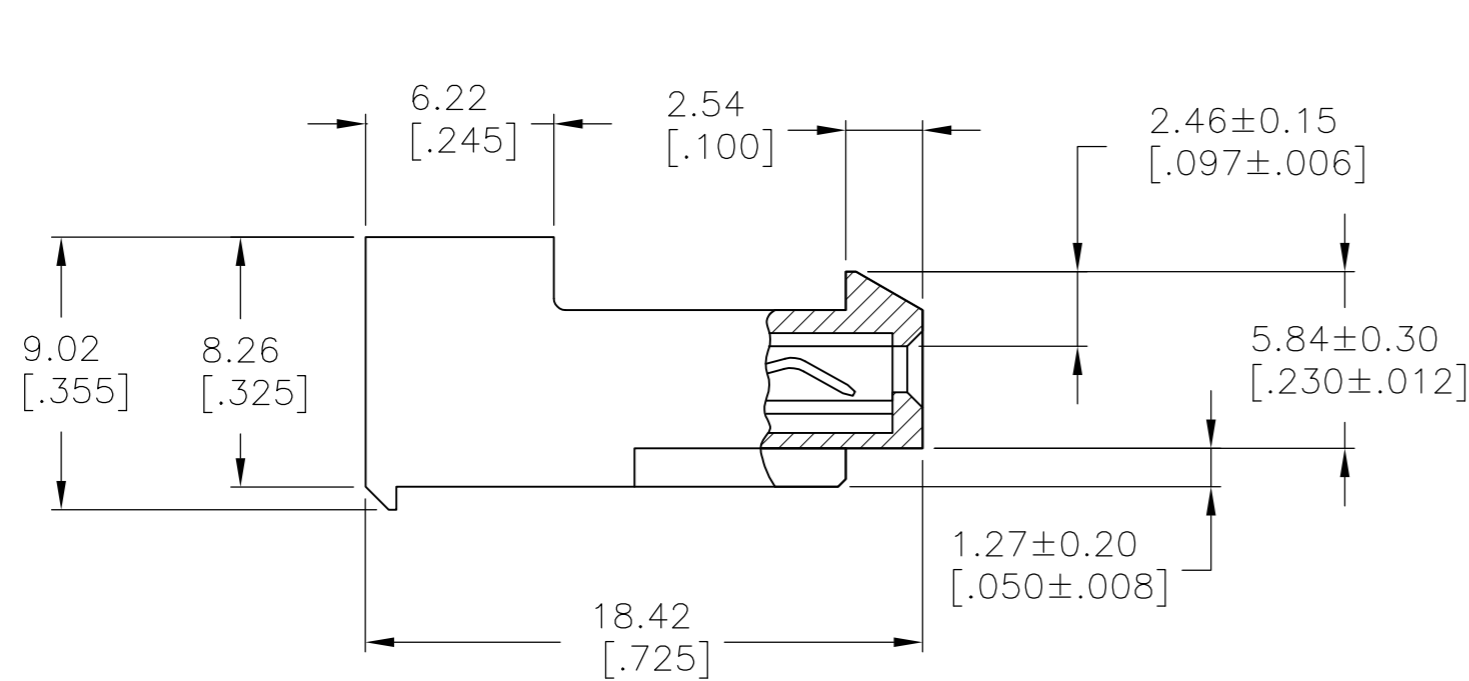
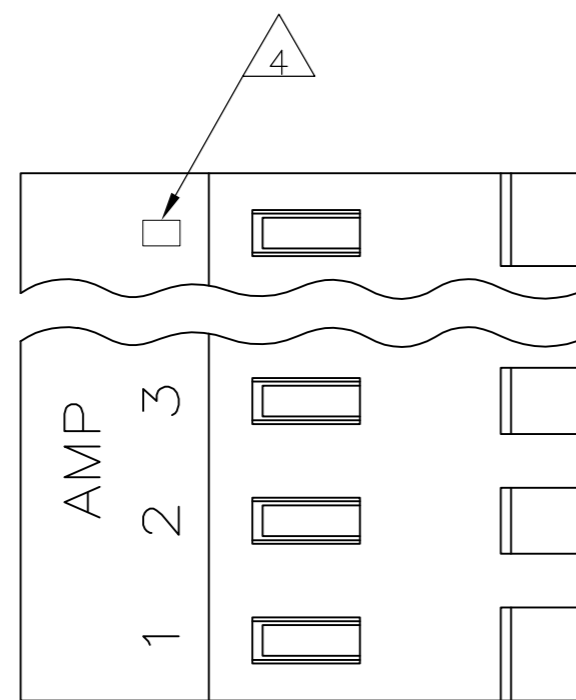
- Packaging Method = Box
- Packaging Quantity = 250

**Other:**

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

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LOC	DIST	REVISIONS					
CM	OO	P	LTR	DESCRIPTION	DATE	DWN	APVD
		N		REVISED PER ECO-12-007609	03AUG12	KH	SM



95.10[3.744]	24	5-640426-4
91.13[3.588]	23	5-640426-3
87.17[3.432]	22	5-640426-2
83.21[3.276]	21	5-640426-1
79.25[3.120]	20	5-640426-0
75.29[2.964]	19	4-640426-9
71.32[2.808]	18	4-640426-8
67.36[2.652]	17	4-640426-7
63.40[2.496]	16	4-640426-6
59.44[2.340]	15	4-640426-5
55.47[2.184]	14	4-640426-4
51.51[2.028]	13	4-640426-3
47.55[1.872]	12	4-640426-2
43.59[1.716]	11	4-640426-1
39.62[1.560]	10	4-640426-0
35.66[1.404]	9	3-640426-9
31.70[1.248]	8	3-640426-8
27.74[1.092]	7	3-640426-7
23.77[.936]	6	3-640426-6
19.81[.780]	5	3-640426-5
15.85[.624]	4	3-640426-4
11.89[.468]	3	3-640426-3
7.92[.312]	2	3-640426-2
95.10[3.744]	24	2-640426-4
91.13[3.588]	23	2-640426-3
87.17[3.432]	22	2-640426-2
83.21[3.276]	21	2-640426-1
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15.85[.624]	4	640426-4
11.89[.468]	3	640426-3
7.92[.312]	2	640426-2
DIM A	NO. OF CIRCUITS	PART NO.

- 1 MATERIAL: CONNECTOR - NYLON UL94-V2  
CONTACTS - 0.30 [.012] THICK COPPER ALLOY (BRIGHT TIN-LEAD 0.00203 [.000080] MIN. THICK FOR CONTACTS 640426-2 THRU 2-640426-4). (MATTE WHISKER MITIGATED TIN PLATE 0.00203 [.000080] MIN. THICKNESS OVER NICKEL UNDERPLATE FOR CONTACTS 3-640426-2 THRU 5-640426-4).
- 2 CONTACTS ACCEPT 18 AWG WIRE WITH 2.41 [.095] MAX INSULATION DIAMETER.
- 3 CONTACTS MUST ACCEPT 1.14±0.03 [.045±.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.
- 7 OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI
- 8 ORANGE COLOR STRIPE ON HOUSING (NOT SHOWN) MAY RUN DOWN BETWEEN RIBS.

- 7 SUPERSEDED BY 5-640426-3
- 7 SUPERSEDED BY 5-640426-1
- 7 SUPERSEDED BY 4-640426-9
- 7 SUPERSEDED BY 4-640426-7

**METRIC**

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN S. CARPENTER 26JUN2003																
DIMENSIONS: mm [INCHES]		CHK D. BOSSI 26JUN2003																
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D. BOSSI 26JUN2003	NAME MTA 156 CONNECTOR ASSEMBLY, 18 AWG, STANDARD															
<table border="1"> <tr><td>0 PLC</td><td>± -</td></tr> <tr><td>1 PLC</td><td>± -</td></tr> <tr><td>2 PLC</td><td>± -</td></tr> <tr><td>3 PLC</td><td>± 0.13 [.005]</td></tr> <tr><td>4 PLC</td><td>± -</td></tr> <tr><td>ANGLES</td><td>± -</td></tr> </table>		0 PLC	± -	1 PLC	± -	2 PLC	± -	3 PLC	± 0.13 [.005]	4 PLC	± -	ANGLES	± -	PRODUCT SPEC 108-1051	SIZE A2	CAGE CODE 00779	DRAWING NO C-640426	RESTRICTED TO -
0 PLC	± -																	
1 PLC	± -																	
2 PLC	± -																	
3 PLC	± 0.13 [.005]																	
4 PLC	± -																	
ANGLES	± -																	
MATERIAL 1		FINISH 1	WEIGHT -		SCALE 4:1	SHEET 1 OF 1	REV N											
CUSTOMER DRAWING																		